

Cable Percussive Borehole Log

BOREHOLE REFERENCE
CP210
Sheet 1 of 2

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 22/03/2022 - 30/03/2022
Location: Newton Heath	Contractor: Geotron Ltd	Co-ords: E387715.21 N400419.73
Project No. : LD10385	Drilling Equipment: Dando 2500	Level : 85.90m AoD

Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 19.00m
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Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.00 – 0.50	B					Recovered as dark grey, mottled black, orange and green, very sandy, slightly clayey GRAVEL with occasional cobble sized fragments of red brick. Gravel is angular of fine to coarse red brick, concrete, fabric and glass. Occasional plastic bag fragments, roots and rootlets. CMG	
		1.00 – 1.50	B		0.90	85.00		Recovered as soft, dark brown, sandy / ashy, gravelly CLAY with occasional cobble sized metal fragments. Gravel is angular to subrounded of fine to coarse red brick, metal, plastic, glass and mixed lithologies. Occasional roots and rootlets. CMG	1
		1.50	SPT(S)	N=10 (2,4/2,2,3,3)	1.20	84.70		Recovered as dark brown, mottled reddish brown, very sandy / ashy, clayey, angular, fine to coarse GRAVEL of red brick, concrete, sandstone and mudstone. Driller notes large compacted red bricks. CW	2
		2.00 – 3.00	B		1.95	83.95		Recovered as soft to firm, dark brown to dark grey, mottled orange and red, sandy, gravelly CLAY with rare cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse red brick, concrete, sandstone, mudstone and mixed lithologies. CMG	3
		3.00	SPT(S)	N=6 (1,1/2,2,1,1)					
		3.50 – 4.20	B						4
		4.50	SPT(S)	N=8 (1,1/2,2,2,2)					5
		5.50 – 6.00	B		5.50	80.40		Recovered as (medium dense) brown SAND with occasional cobble sized inclusions of firm, dark grey, mottled greenish grey, slightly gravelly, sandy clay. Gravel is angular to subrounded of fine to coarse sandstone, mudstone and mixed natural lithologies. GGT	6
		6.00	SPT(S)	N=12 (1,2/2,2,4,4)					
		6.50 – 7.00	B		6.70	79.20		Recovered as soft to firm, brown, slightly sandy, slightly gravelly CLAY. Gravel is angular to subrounded of medium to coarse mixed natural lithologies. CGT	7
		7.50	SPT(S)	N=21 (1,4/4,4,6,7)	7.50	78.40		Firm to stiff, dark brown, slightly sandy, slightly gravelly CLAY. Gravel is angular to subrounded of medium to coarse mixed natural lithologies. CGT	8
		8.00 – 9.00	B						
		9.00	SPT(S)	50 (4,8/25 for 0mm)	9.10	76.80		9.00m - 9.45m : Recovered as reddish brown and orangish brown between 9.00m and 9.45m. Dense, yellowish brown, slightly clayey, medium to coarse SAND. Driller notes blowing sands. GGT	9
		9.30 – 10.00	B						

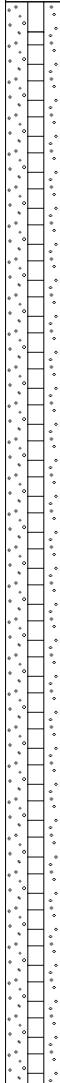
Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
19.00m	200mm	17.50m	200mm	8.50m	9.00m	00:40						0.00m	10.00m	PLAIN	
				9.30m	10.00m	01:00						10.00m			
				9.00m	12.00m	03:10						17.00m			
				15.50m	16.00m	01:00									
				16.00m	17.00m	01:00									
				18.00m	19.00m	01:15									

Remarks
Inspection pit hand dug to 1.20m bgl.
Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
Borehole terminated as target depth achieved and / or no significant sand lenses encountered at depth.

Cable Percussive Borehole Log

BOREHOLE REFERENCE
CP210
Sheet 2 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 22/03/2022 - 30/03/2022	
Location: Newton Heath		Contractor: Geotron Ltd		Co-ords: E387715.21 N400419.73	
Project No. : LD10385		Drilling Equipment: Dando 2500		Level : 85.90m AoD	
Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 19.00m	

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		10.00	B					Dense, yellowish brown, slightly clayey, medium to coarse SAND. Driller notes blowing sands. GGT	10
		10.50	SPT(S)	N=43 (6,8/10,9,10,14)					11
		12.00	SPT(S)	N=60 (6,7/10,15,25,10)					12
		12.50 – 13.00	B						13
		13.50	SPT(S)	N=47 (6,7/10,15,10,12)					14
		15.00	SPT(S)	N=48 (5,15/12,16,10,10)					15
		16.50	SPT(S)	N=23 (6,5/4,8,5,6)					16
		17.00 – 17.50	B		16.75	69.15		Driller notes soft, brown, sandy CLAY with hints of coal. CGT	17
		17.50 – 18.00	B		17.00	68.90		Driller notes stiff, dark brown, sandy CLAY. CGT	
		18.00	SPT(S)	15 (25,35/15 for 22.5mm)	17.50	68.40		Driller notes very stiff boulder CLAY. CGT	18
					19.00	66.90		End of Borehole at 19.00m	19

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
19.00m	200mm	17.50m	200mm	8.50m 9.30m 9.00m 15.50m 16.00m 18.00m	9.00m 10.00m 12.00m 16.00m 17.00m 19.00m	00:40 01:00 03:10 01:00 01:00 01:15						0.00m 10.00m	10.00m 17.00m	PLAIN SLOTTED	

Remarks
Inspection pit hand dug to 1.20m bgl.
Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
Borehole terminated as target depth achieved and / or no significant sand lenses encountered at depth.

Project Name: Ten Acres Lane

Client: NUVU Developments Ltd

Date: 28/10/2020

Location: Newton Heath

Contractor: Geotron UK

Co-ords: E387525.00 N400419.00

Project No. : LD10385

Drilling Equipment:

Level : 83.57m AoD

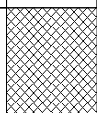
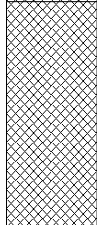
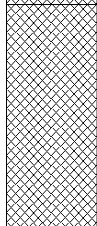
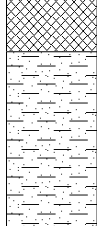
Logged By
ZH

Checked By
JC

Approved By
MP

SPT Energy Ratio
65%

Final Depth
5.00

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.50 – 0.60	ES	0.00ppmv	0.35	83.22		Recovered as soft, dark grey, mottled orange brown, slightly gravelly CLAY with frequent rootlets. Gravel is subangular to subrounded of fine to coarse red brick, plastic, suspected clinker, sandstone and mixed lithologies. TF	1
		0.50						Recovered as stiff, orangish brown and light grey mottled, slightly gravelly CLAY with occasional rootlets. Gravel is subangular to subrounded of fine to coarse coal, sandstone, grit stone, mudstone and crystalline rock. CMG	
		0.70	HSV	80kPa					
		0.70	HSV	85kPa					
		0.70	HSV	88kPa					
		1.00	SPT()	N=20 (4,4/4,5,5,6)	1.10	82.47		Minimal recovery. Recovered material comprises stiff to very stiff, brown, slightly sandy, gravelly CLAY. Gravel is subangular to subrounded of fine to coarse red mottled and grey mudstone, sandstones, gritstone and coal. CMG	2
		1.40	HSV	110kPa					
		1.40	HSV	80kPa					
		1.40	HSV	95kPa					
		2.00	SPT()	N=37 (5,7/9,8,9,11)	2.00	81.57		Firm, slightly wet, brown, slightly gravelly, sandy CLAY. Gravel is subangular to subrounded of fine to coarse mixed lithologies. Sand is fine to medium. CGT	3
					2.65	80.92		Brown (occasionally multicoloured) SAND. GGT	
		3.00	SPT()	N=9 (3,4/3,2,2,2) 0.00ppmv	3.00	80.57		Soft, brown, slightly sandy, silty CLAY. Sand is fine. CGT	
		3.40 – 3.42	ES		3.42	80.15		Partial recovery. Recovered material comprises dark brown, slightly gravelly, slightly clayey SAND. Gravel is subangular to subrounded of fine to medium mixed lithologies. GGT	4
		4.00	SPT()	N=17 (2,3/4,4,4,5)					

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 28/10/2020
Location: Newton Heath	Contractor: Geotron UK	Co-ords: E387525.00 N400419.00
Project No. : LD10385	Drilling Equipment:	Level : 83.57m AoD

Logged By ZH	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00
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Instali. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT()	N=17 (3,3/3,4,5,5)	5.00	78.57		Partial recovery. Recovered material comprises dark brown, slightly gravelly, slightly clayey SAND. Gravel is subangular to subrounded of fine to medium mixed lithologies. GGT End of Borehole at 5.00m	5
									6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 23/10/2020
Location: Newton Heath	Contractor: Geotron	Co-ords: E387864.77 N400331.94
Project No. : LD10385	Drilling Equipment: WS rig	Level : 84.70m AoD

Logged By JC	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00
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Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.60			0.60	84.10		Recovered as brown, very sandy/ashy, very clayey, angular to subrounded, fine to coarse GRAVEL of red brick and sandstone. GMG	1
		1.00	SPT()	N=3 (1,1/1,1,0,1)	1.00	83.70		Recovered as firm, dark brown, slightly gravelly sandy CLAY. Gravel is angular to subrounded of fine to medium red brick, concrete and mixed lithologies. CMG	
		1.80			1.80	82.90		Recovered as firm, brown and grey mottled, slightly sandy, slightly gravelly CLAY. Gravel is angular to subrounded of fine to coarse mixed lithologies. Slight hydrocarbon odour. CMG	
		2.00	SPT()	N=1 (1,1/1,0,0,0)	2.00	82.70		Recovered as reddish brown, angular, fine to coarse GRAVEL of red brick. Possible smashed brick. GMG	2
		2.10			2.10	82.60		Firm to stiff, brown and grey mottled, slightly gravelly, silty CLAY. Gravel is subangular to subrounded of fine to medium mixed lithologies. CGT	
		2.50		1.00ppmv				Soft, wet, black CLAY. Strong hydrocarbon odour. CGT	
		2.80							3
		2.80 - 2.90	ES		2.90	81.80		Firm to stiff, brown and grey mottled, slightly gravelly, silty CLAY. Gravel is subangular to subrounded fine to medium mixed lithologies. CGT	
		3.00	SPT()	N=23 (3,4/5,5,6,7)					
		3.50			3.50	81.20		Partial recovery. Recovered material comprises soft, wet, black CLAY. Strong hydrocarbon odour. CGT	4
		4.00	SPT()	N=20 (2,3/4,4,6,6)					
		4.40			4.40	80.30		Minimal recovery. Recovered material comprises soft, wet, black CLAY. CGT	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 23/10/2020
Location: Newton Heath	Contractor: Geotron	Co-ords: E387864.77 N400331.94
Project No. : LD10385	Drilling Equipment: WS rig	Level : 84.70m AoD

Logged By JC	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00
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Instali. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT()	N=11 (4,4/2,3,3,3)	5.00	79.70		Minimal recovery. Recovered material comprises soft, wet, black CLAY. CGT End of Borehole at 5.00m	5
									6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 23/10/2020
Location: Newton Heath	Contractor: Geotron	Co-ords: E387291.28 N400150.68
Project No. : LD10385	Drilling Equipment: WS rig	Level : 77.00m AoD

Logged By ZH	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00
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Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.15	76.85		Soft, dark brown, slightly gravelly, sandy CLAY with abundant roots and rootlets. Sand is fine to medium. Gravel is subangular to subrounded of fine to medium red mudstone and black shale.	1
					0.40	76.60		TF Black, sandy, subangular to subrounded, fine to coarse GRAVEL of suspected clinker and slag.	
					0.55	76.45		CWV Recovered as 80% gravel to cobble sized fragments of medium strong, orangish brown, fine to coarse grained sandstone, and 20% dark brown, stained black in places, sandy, slightly clayey, subangular to subrounded, fine to coarse GRAVEL of suspected clinker, red brick, brown coarse grained sandstone and orangish brown, fine to coarse sandstone. Hydrocarbon odour.	
		0.85 – 0.87	ES		0.85	76.15		GMG 0.41m - 0.43m : Singular cobble sized fragment of suspected slag.	
		1.00	SPT()	N=5 (2,2/2,1,1,1)	1.00	76.00		Recovered as 80% gravel to cobble sized fragments of red brick; 10% gravel to cobble sized inclusions of soft to firm, black, slightly sandy, very gravelly CLAY; and 10% black, sandy, subangular to subrounded, fine to coarse GRAVEL of suspected clinker and red brick.	
					1.30	75.70		GMG	
					1.50	75.50		Minimal recovery. Recovered material comprises 50% purplish red to black, slightly sandy, subangular to subrounded, fine to coarse GRAVEL of suspected slag; 40% gravel sized inclusions of firm, purplish red CLAY; and 10% gravel sized inclusions of soft, white CLAY.	
								CW	
		2.00	SPT()	N=0 (0,1/0,0,0,0)				Recovered as 70% wet, black, sandy, slightly clayey GRAVEL; 20% cobble sized fragments of suspected clinker and 10% gravel sized inclusions of soft brown CLAY. Gravel is subangular to subrounded of fine to coarse suspected clinker and slag (90%), ceramics (5%) and mixed lithologies (5%). Hydrocarbon odour.	
								CW	
								Very soft, wet, brown, slightly sandy, gravelly CLAY. Sand is fine to medium. Gravel is subangular to subrounded of fine to coarse suspected clinker and slag, timber and mixed lithologies. Slight hydrocarbon odour.	2
								GMG	
								Minimal recovery. Recovered material comprises dark brown, stained black in places, slightly sandy, subangular to subrounded, fine to coarse GRAVEL of suspected slag, suspected clinker, red mudstone, gritstone, shell and concrete. Hydrocarbon odour.	
								CW	
		3.00	SPT()	N=0 (1,0/0,0,0,0)	2.90	74.10		Soft, wet, brown, slightly gravelly, sandy CLAY. Sand is fine to medium. Gravel is subangular to subrounded of fine to medium suspected clinker, mudstone and pebbles.	
					3.00	74.00		GMG	
								Dark brown, stained black in places, slightly sandy, subangular to subrounded, fine to coarse GRAVEL of suspected slag, suspected clinker, red mudstone, grit stone, shell, concrete. Hydrocarbon odour.	
		3.40 – 3.45	ES		3.40	73.60		CW	
		3.41 – 3.45						Firm to stiff, wet, brown, stained dark grey, slightly sandy, slightly gravelly CLAY. Gravel is subangular to subrounded of fine to coarse mixed natural lithologies. Hydrocarbon odour.	
								CGT	
								3.72m - 5.00m : No longer wet and stiff.	4
								4.00m - 4.50m : Gravel lens, possibly material dropped down from above.	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 23/10/2020
Location: Newton Heath	Contractor: Geotron	Co-ords: E387291.28 N400150.68
Project No. : LD10385	Drilling Equipment: WS rig	Level : 77.00m AoD

Logged By ZH	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00
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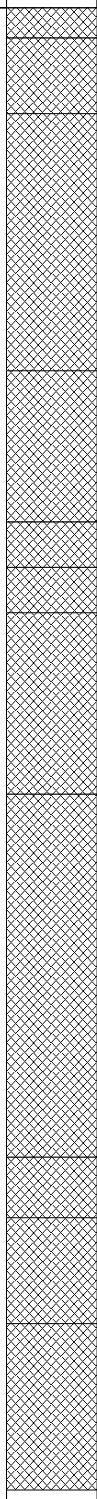
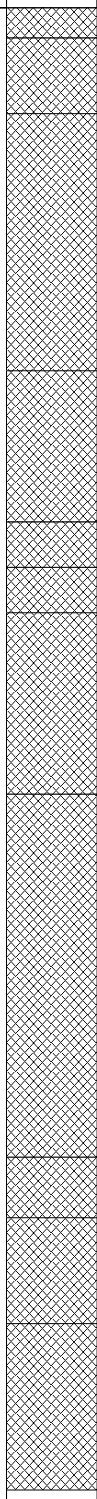
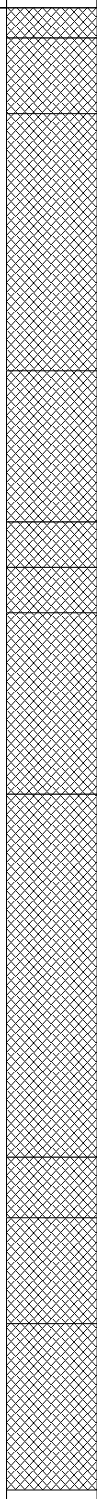
Instali. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT()	N=50 (4,6/7,11,20,12)	5.00	72.00		Firm to stiff, wet, brown, stained dark grey, slightly sandy, slightly gravelly CLAY. Gravel is subangular to subrounded of fine to coarse mixed natural lithologies. Hydrocarbon odour. CGT End of Borehole at 5.00m	5
									6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks
 Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 28/10/2020
Location: Newton Heath	Contractor: Geotron UK	Co-ords: E387725.75 N400184.91
Project No. : LD10385	Drilling Equipment:	Level : 81.09m AoD

Logged By ZH	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00
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Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		1.00	SPT()	N=12 (4,4/3,4,3,2)	0.10	80.99		Recovered as 70% soft, organic, dark brown, slightly gravelly, sandy CLAY; 30% roots and rootlets (up to 5cm diameter). Sand is fine to medium. Gravel is angular to subrounded of fine to coarse pebbles, glass, red brick, gritstone and quartz. TF	1
					0.35	80.74		Recovered as 25% wood fragments (tree branches, fence fragments); 25% soft, orangish brown, slightly sandy, slightly gravelly CLAY; 20% paper; 15% dark brown, slightly gravelly fine to medium SAND; 10% cobble sized glass fragments; 5% plastic (wrappers); 5% roots and rootlets. Gravel is subangular to subrounded of fine to coarse gritstone, suspected slag, wood, paper, red brick, plastic and grey fabric. Sand is fine to medium. DW	
					1.20	79.89		Partial recovery. Recovered material comprises 65% multicoloured GRAVEL; 20% dark brown, fine to medium SAND; 15% cobble sized red brick fragments. Gravel is subangular to subrounded of fine to coarse red brick (55%), slate (30%), mudstone (10%) and sandstone (5%). GMG	
					1.70	79.39		Recovered as soft, dark brown and dark grey in places, slightly sandy, very gravelly CLAY. Gravel is subangular of fine to coarse orangish brown sandstone (20%), red brick (15%), glass (15%), wood (15%), grey gritstone (15%), coarse grained sandstone (10%) and mixed lithologies (10%). Sand is fine to medium. CMG	
					1.85	79.24		Recovered as subangular to subrounded, fine to coarse GRAVEL of greyish green sandstone. GMG	
		2.00	SPT()	N=4 (2,1/1,1,1,1)	2.00	79.09		Recovered as soft, dark brown stained black in places, slightly sandy, gravelly CLAY. Sand is fine. Gravel is subangular to subrounded of fine to coarse mixed lithologies (75%), mudstone (15%) and suspected clinker (10%). CMG	2
					2.60	78.49		Recovered as very soft, wet, brown, slightly gravelly, sandy CLAY. Gravel is subangular to subrounded of fine to coarse shell, coal, crystalline rocks, siltstone, sandstone and red brick. CMG	
								Recovered as brown, slightly sandy, slightly clayey, angular to subrounded, fine to coarse GRAVEL of glass (20%), orangish brown, coarse grained sandstone (10%), red brick (10%), greenish grey, fine grained sandstone (10%) and concrete (5%). GMG	
								3.31m - 3.33m : No longer sandy but becoming silty.	
								3.54m - 3.60m : Slightly sandy lens.	
		4.00	SPT()	N=8 (2,1/2,2,2,2)	3.80	77.29		Recovered as soft, brown, slightly sandy, slightly gravelly, CLAY. Gravel is subangular to subrounded of fine to coarse glass (10%), wood (10%) and mixed natural lithologies (80%). CMG	4
					4.00	77.09		Recovered as brown, slightly sandy, subangular to subrounded, fine to coarse GRAVEL of red brick, timber fragments and rounded pebbles of mixed lithologies. GMG	
					4.35	76.74		Minimal recovery. Recovered material comprises soft, brown, slightly sandy (in places), slightly gravelly CLAY. Gravel is angular to rounded of fine to coarse glass (10%), wood (10%), red brick (10%), suspected clinker (5%) and mixed natural lithologies (65%). Sand is fine to medium. CMG	
		4.72 - 5.00	ES					4.72m - 5.00m : Stained dark grey and black with a slight hydrocarbon odour.	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top 0.00m 1.00m	Base 1.00m 2.00m	Pipe Type PLAIN SLOTTED	Diameter

Remarks
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS104
Sheet 2 of 2

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 28/10/2020
Location: Newton Heath	Contractor: Geotron UK	Co-ords: E387725.75 N400184.91
Project No. : LD10385	Drilling Equipment:	Level : 81.09m AoD

Logged By ZH	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00
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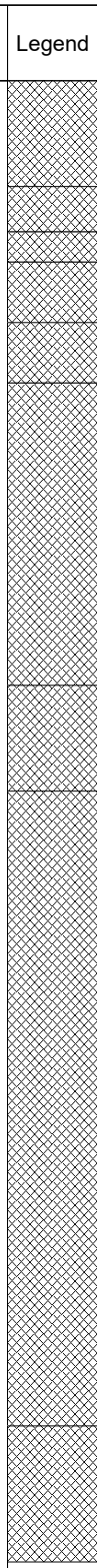
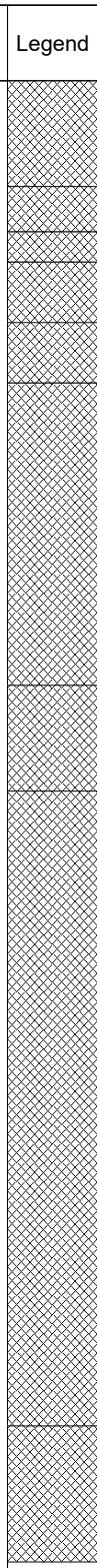
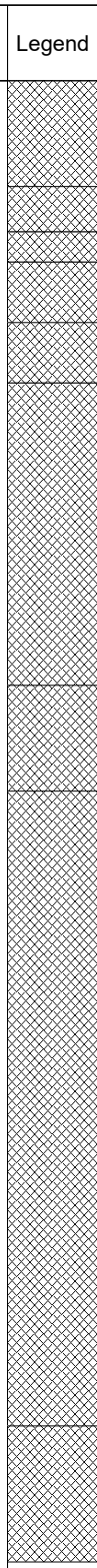
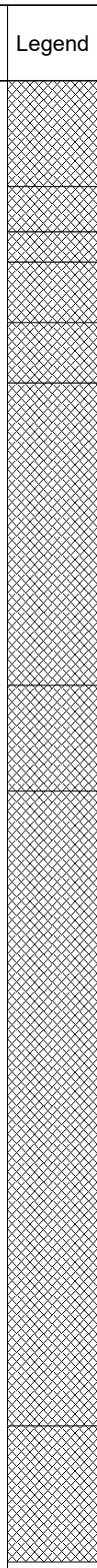
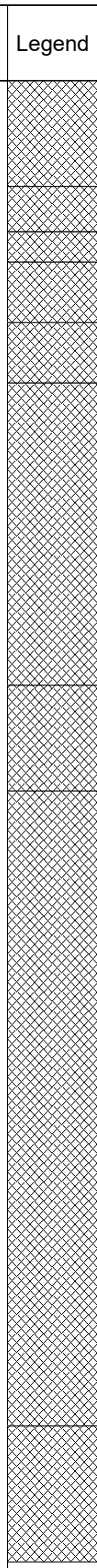
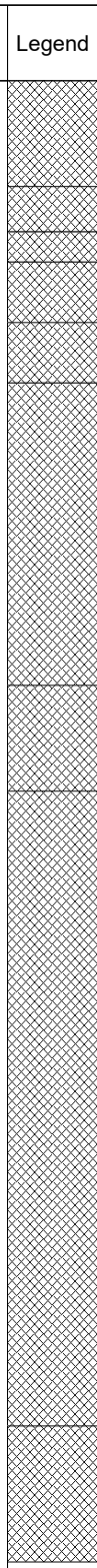
Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00 5.00	SPT()	N=10 (2,2/3,2,2,3) 0.10ppmv	5.00	76.09		Minimal recovery. Recovered material comprises soft, brown, slightly sandy (in places), slightly gravelly CLAY. Gravel is angular to rounded of fine to coarse glass (10%), wood (10%), red brick (10%), suspected clinker (5%) and mixed natural lithologies (65%). Sand is fine to medium. CMG End of Borehole at 5.00m	5
									6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 23/10/2020
Location: Newton Heath	Contractor: Geotron UK	Co-ords: E387629.00 N400147.00
Project No. : LD10385	Drilling Equipment: WS rig	Level : 81.34m AoD

Logged By ZH	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00
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Install. Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale	
		Depth (m)	Type	Results						
		1.00	SPT()	N=4 (2,1/2,2,0,0)	1.00	80.34		Recovered as 80% brown, slightly sandy, clayey GRAVEL; 15% roots and rootlets; 5% cobble sized timber fragments. Gravel is subrounded to subangular of fine to coarse red brick, suspected clinker, timber, sandstone, gritstone and glass GMG	1	
								Stiff, black, mottled grey and light grey in places, gravelly CLAY. Gravel is angular to subrounded of fine to coarse quartz, timber, red brick, plastic sheeting, ceramic and sandstone. Acrid odour. CMG		
								Recovered as a single cobble sized timber fragment. GMG		
								Recovered as 45% black, very clayey SAND; 25% cobble sized concrete fragments; 25% cobble sized red brick fragments; 5% cobble sized timber fragments. Slight hydrocarbon odour. GMG		
		2.00	SPT()	N=18 (1,0/2,6,4,6)	2.00	79.34		Soft, brown, mottled light grey and stained black in places, slightly gravelly, sandy CLAY. Sand is fine to medium. Gravel is subangular to subrounded of fine to medium crystalline rock, mudstone and mixed lithologies CMG	2	
								Minimal recovery. Recovered material comprises 80% very soft, wet, black, slightly sandy, slightly gravelly CLAY; 10% cobble sized timber fragments; 10% cobble sized plastic fragments. Gravel is fine to medium of mixed lithologies. Slight hydrocarbon odour with oil staining. CMG		
		2.50 2.50 – 2.60	ES			2.35	78.99		Recovered as 70% wet, black, sandy, slightly clayey GRAVEL; 20% plastic (bags and sheeting); 10% cobble sized timber fragments. Gravel is subangular to subrounded of fine to coarse red brick, concrete, suspected clinker/slag, sandstone, mudstone and an unknown hard, white substance white and hard substance. Oil staining. GMG	3
		3.00	SPT()	N=7 (0,1/2,1,2,2)						4
		4.00	SPT()	N=6 (2,2/2,1,1,2)						
4.60 – 4.70	ES			4.45	76.89		Recovered as 60% soft, brown, slightly gravelly, sandy CLAY; 20% cobble sized red brick fragments; 10% cobble sized timber fragments; 10% cobble sized plastic fragments. Sand is fine to medium. Gravel is angular to subrounded of fine to coarse timber, glass, red brick, white sandstone, purple slate, mudstone and gritstone. Hydrocarbon odour. CMG			

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top 0.00m 1.00m	Base 1.00m 2.00m	Pipe Type PLAIN SLOTTED	Diameter

Remarks
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS105
Sheet 2 of 2

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 23/10/2020
Location: Newton Heath	Contractor: Geotron UK	Co-ords: E387629.00 N400147.00
Project No. : LD10385	Drilling Equipment: WS rig	Level : 81.34m AoD

Logged By ZH	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00
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Instali. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT()	N=6 (1,1/1,1,2,2)	5.00	76.34		Recovered as 60% soft, brown, slightly gravelly, sandy CLAY; 20% cobble sized red brick fragments; 10% cobble sized timber fragments; 10% cobble sized plastic fragments. Sand is fine to medium. Gravel is angular to subrounded of fine to coarse timber, glass, red brick, white sandstone, purple slate, mudstone and gritstone. Hydrocarbon odour. CMG End of Borehole at 5.00m	5
									6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 28/10/2020
Location: Newton Heath	Contractor: Geotron UK	Co-ords: E387526.00 N400076.00
Project No. : LD10385	Drilling Equipment:	Level : 79.70m AoD

Logged By ZH	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00
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Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.10	79.60		Soft, brown, slightly sandy, CLAY with frequent roots and rootlets. Sand is fine. TF	1
					0.50	79.20		Damp, organic, brown, slightly gravelly, fine to coarse SAND with coarse gravel size inclusions of firm, brown, slightly gravelly, clay. Gravel is subangular to subrounded of fine to coarse gritstone, grey sandstone, mudstone and mixed lithologies. GGT	
					0.90	78.80		Soft to firm, brown, slightly gravelly CLAY. Gravel is subangular to rounded of fine to coarse mixed lithologies. CGT	
		1.00	SPT()	N=5 (0,0/1,1,1,2)				Minimal recovery. Recovered material comprises wet, brown, clayey, fine to medium SAND. GGT	2
					1.55	78.15		Partial recovery. Recovered material comprises soft to firm, brown, slightly gravelly, sandy CLAY. Gravel is subangular to subrounded of fine to coarse mixed lithologies. CGT	
		2.00	SPT()	N=5 (1,1/1,1,1,2)	2.00	77.70		Wet, brown, slightly gravelly, slightly clayey to clayey, fine to coarse SAND. Gravel is subangular to subrounded of fine to coarse mixed lithologies. GGT	
		2.72 – 2.78	ES	0.00ppmv	2.70	77.00		Wet, brownish grey, slightly gravelly, very sandy CLAY. Gravel is subangular to subrounded of fine to coarse mixed lithologies. Slight odour. CGT	
		2.72			2.80	76.90		Multicoloured, gravelly, fine to coarse SAND. Gravel is subangular to subrounded of fine to coarse sandstone, crystalline rock and mudstone. GGT	3
		3.00	SPT()	N=15 (2,2/3,3,4,5)				Partial recovery. Recovered material comprises multicoloured, slightly gravelly, slightly clayey, fine to coarse SAND. Gravel is subangular to rounded of fine to coarse mixed lithologies. GGT	
		4.00	SPT()	N=13 (2,2/2,3,4,4)	3.70	76.00		Partial recovery. Recovered material comprises multicoloured, slightly gravelly, slightly clayey, fine to coarse SAND. Gravel is subangular to rounded of fine to coarse mixed lithologies. GGT	
		4.00		0.10ppmv					4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 28/10/2020
Location: Newton Heath	Contractor: Geotron UK	Co-ords: E387526.00 N400076.00
Project No. : LD10385	Drilling Equipment:	Level : 79.70m AoD

Logged By ZH	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00
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Instali. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT()	N=13 (1,2/3,3,3,4)	5.00	74.70		Partial recovery. Recovered material comprises multicoloured, slightly gravelly, slightly clayey, fine to coarse SAND. Gravel is subangular to rounded of fine to coarse mixed lithologies. GGT End of Borehole at 5.00m	5
									6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 23/10/2020
Location: Newton Heath	Contractor: Geotron	Co-ords: E387855.53 N400468.07
Project No. : LD10385	Drilling Equipment: WS rig	Level : 85.69m AoD

Logged By JC	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00
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Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.20	85.49		Recovered as soft, dark brown, sandy CLAY with abundant tree roots (10mm diameter) and rootlets. TF	1
					0.30	85.39		Recovered as brown and dark reddish brown, sandy, clayey, angular, fine to coarse GRAVEL of red brick. GMG	
					0.70	84.99		Recovered as stiff, brown, slightly gravelly SILT. Gravel is angular to rounded of fine to medium red brick, coal and sandstone. CMG	
		1.00	SPT()	N=3 (0,0/1,0,1,1)	1.20	84.49		Minimal recovery. Recovered material comprises soft, dark brown, orange brown and grey mottled, slightly gravelly, silty CLAY. Gravel is angular to subrounded of fine to medium red brick and mixed lithologies. CMG	
		1.40 1.40 – 1.50 1.40	ES	1.50ppmv	1.70	83.99		Recovered as very soft, dark brown, gravelly CLAY. Gravel is angular to subrounded of fine to medium red brick. Slight hydrocarbon staining and odour. CMG	
		2.00	SPT()	N=16 (1,2/3,4,4,5)	2.00	83.69		Recovered as firm, light green mottled grey CLAY. CMG	
					2.80	82.89		Minimal recovery. Recovered material comprises wet, slightly gravelly, fine to medium SAND. Gravel is angular of fine red brick. GMG	
		3.00	SPT()	N=36 (4,6/7,7,10,12)	3.80	81.89		Partial recovery. Recovered material comprises firm to stiff, dark brown mottled grey, slightly gravelly, silty CLAY. Gravel is angular to subrounded of fine to medium mixed lithologies. CGT	
		4.00	SPT()	N=31 (4,6/6,7,8,10)	4.20	81.49		Recovery is of stronger materials, weaker materials not recovered. Recovered material comprises firm to stiff, brown, slightly gravelly, silty CLAY. Gravel is angular to subrounded of fine mudstone and mixed lithologies. CGT	
								Firm to stiff, wet, brown, slightly gravelly, silty CLAY. Gravel is angular to subrounded of fine mudstone and mixed lithologies. CGT	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS107
Sheet 2 of 2

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 23/10/2020
Location: Newton Heath	Contractor: Geotron	Co-ords: E387855.53 N400468.07
Project No. : LD10385	Drilling Equipment: WS rig	Level : 85.69m AoD

Logged By JC	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00
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Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT()	N=21 (3,3/4,5,6,6)	5.00	80.69		Firm to stiff, wet, brown, slightly gravelly, silty CLAY. Gravel is angular to subrounded of fine mudstone and mixed lithologies. CGT End of Borehole at 5.00m	5
									6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 23/10/2020
Location: Newton Heath	Contractor: Geotron	Co-ords: E387829.99 N400456.96
Project No. : LD10385	Drilling Equipment: WS RIG	Level : 85.29m AoD

Logged By JC	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00
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Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.30			0.30	84.99		Recovered as soft, dark brown, slightly sandy, slightly gravelly CLAY with tree roots and rootlets. Gravel is angular to subrounded of fine to coarse mixed lithologies. TF	1
		0.70			0.70	84.59		Recovered as dark brown, clayey, very gravelly, medium SAND. Gravel is angular of fine to coarse red brick. GMG	
		0.80 – 0.90	ES	5.40ppmv	0.90	84.39		Recovered as black, clayey, gravelly SAND/ASH. Gravel is angular to rounded of fine coal. CW	
		1.00	SPT()	N=4 (0,0/1,1,1,1)	1.00	84.29		Recovered as cobble sized fragments of brick. Possible smashed brick. GMG	
								Recovered as soft, slightly gravelly, sandy CLAY. Gravel is angular of fine to coarse red brick, concrete and mixed lithologies. CMG	
					1.40	83.89		Recovered as firm, dark brown, mottled grey, slightly gravelly, silty CLAY with occasional roots (10mm diameter). Gravel is angular to subrounded of fine to medium red brick and mixed lithologies. CMG	
		2.00	SPT()	N=12 (1,2/2,2,4,4)					
					2.30	82.99		Firm, dark brown mottled grey, slightly sandy, gravelly CLAY. Gravel is subangular to subrounded of fine mixed lithologies. CGT	
					2.60	82.69		Stiff, dark brown mottled grey, slightly sandy, gravelly CLAY. Gravel is subangular to subrounded of fine mixed lithologies. CGT	
		3.00	SPT()	N=15 (1,3/2,4,4,5)	3.00	82.29		Soft, wet, dark brown mottled light orange brown, sandy CLAY. CGT	
					3.40	81.89		Stiff, dark brown mottled, slightly silty, slightly gravelly CLAY. Gravel is angular to rounded of fine to medium mixed lithologies. CGT	3
		4.00	SPT()	N=31 (5,6/6,7,9,9)	4.00	81.29		Soft to firm, wet, greenish brown, slightly gravelly, sandy CLAY. Gravel is angular to subrounded of fine to medium mixed lithologies. CGT	
					4.60	80.69		Stiff, dark brown mottled, slightly gravelly, silty CLAY. Gravel is angular to rounded of fine to medium mixed lithologies. CGT	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top 0.00m 1.00m	Base 1.00m 2.00m	Pipe Type PLAIN SLOTTED	Diameter

Remarks
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 23/10/2020
Location: Newton Heath	Contractor: Geotron	Co-ords: E387829.99 N400456.96
Project No. : LD10385	Drilling Equipment: WS RIG	Level : 85.29m AoD

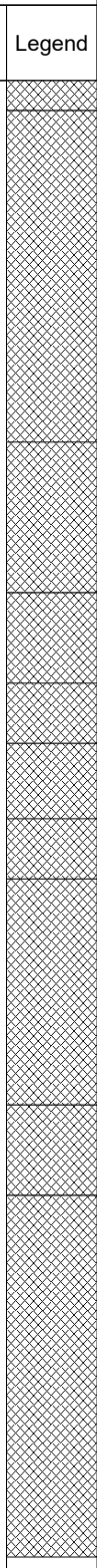
Logged By JC	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00
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Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT()	N=39 (6,8/8,9,10,12)	5.00	80.29		Stiff, dark brown mottled, slightly gravelly, silty CLAY. Gravel is angular to rounded of fine to medium mixed lithologies. CGT End of Borehole at 5.00m	5
									6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 28/10/2020	
Location: Newton Heath		Contractor: Geotron		Co-ords: E387283.25 N400277.24	
Project No. : LD10385		Drilling Equipment:		Level : 77.95m AoD	
Logged By ZH	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00	

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.10	77.85		Firm, brown, gravelly CLAY with occasional rootlets. Gravel is angular to subrounded of fine to coarse suspected clinker (20%), mudstone (20%), red brick (10%) and mixed lithologies. TF Recovered as 90% brown and black, sandy, angular to subrounded GRAVEL of suspected slag and clinker; and 10% cobble sized fragments of suspected clinker. CW	1
		0.90		0.00ppmv					
		1.00	SPT()	N=24 (1,2/8,6,4,6)					
					1.20	76.75		Stiff, brown and grey mottled, stained black, slightly sandy/ ashy, slightly gravelly CLAY. Gravel is subangular to rounded of fine to coarse red brick (25%), suspected clinker (20%), timber (10%) and mixed lithologies (45%). CMG 1.36m - 1.48m : Singular cobble sized fragment of red brick.	
					1.70	76.25		Partial recovery. Recovered material comprises black, subangular to subrounded, fine to coarse GRAVEL of suspected clinker. CW	
		2.00	SPT()	N=11 (1,1/2,2,3,4)	2.00	75.95		Stiff, brown, slightly gravelly CLAY. Gravel is subangular to subrounded of fine to coarse mixed lithologies. CMG	2
					2.20	75.75		2.00m - 2.21m : Hydrocarbon odour. Black, sandy, subangular, fine to coarse GRAVEL of mixed lithologies. Hydrocarbon staining. GMG	
		2.35		0.80ppmv	2.45	75.50		2.40m - 2.45m : Strong hydrocarbon odour. Stiff, brown, slightly gravelly CLAY. Gravel is subangular to subrounded of fine to coarse mixed lithologies. CMG	
		2.60 - 2.70	ES		2.65	75.30		Brown, stained black in places, sandy, slightly clayey, subangular to rounded, fine to coarse GRAVEL of suspected clinker (20%), metal (10%), timber (10%) and mixed lithologies (60%). CW	
		3.00	SPT()	N=32 (5,6/6,7,9,10)					3
		3.40		0.70ppmv	3.40	74.55		Stiff, wet, brown, heavily stained black, slightly gravelly CLAY. Gravel is subangular to subrounded of fine to coarse mixed lithologies. CMG	
		3.65 - 3.75	ES		3.70	74.25		Wet, black, slightly sandy, subangular to subrounded, fine to coarse GRAVEL of mixed lithologies. Hydrocarbon odour. GMG	
		4.00	SPT()	N=17 (4,5/5,4,4,4)					

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Log printed on 13/09/2022 at 14:09

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS109
Sheet 2 of 2

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 28/10/2020
Location: Newton Heath	Contractor: Geotron	Co-ords: E387283.25 N400277.24
Project No. : LD10385	Drilling Equipment:	Level : 77.95m AoD

Logged By ZH	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00
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Instali. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT()	N=15 (3,3/4,3,4,4)	5.00	72.95		Wet, black, slightly sandy, subangular to subrounded, fine to coarse GRAVEL of mixed lithologies. Hydrocarbon odour. GMG End of Borehole at 5.00m	5
									6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 23/10/2020
Location: Newton Heath	Contractor: Geotron	Co-ords: E387430.53 N400122.02
Project No. : LD10385	Drilling Equipment: WS rig	Level : 79.20m AoD

Logged By ZH	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00
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Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.35 0.35 – 0.40	ES		0.30	78.90		Recovered as orangish brown, sandy, angular to subangular, fine to coarse GRAVEL of suspected slag and clinker. CW	1
					0.50	78.70		Recovered as black, sandy/ashy, angular to subangular, fine to coarse GRAVEL of suspected clinker and slag. White spirit and hydrocarbon odour. CW	
					0.60	78.60		0.30m - 0.35m : Cemented.	
		0.80	HSV	48kPa				Soft, dark grey and light grey, slightly sandy, slightly gravelly CLAY. Gravel is subangular of fine to coarse red brick and concrete. Slight hydrocarbon odour. CMG	
		0.80	HSV	52kPa				Firm to stiff, grey and yellowish brown, slightly sandy, slightly gravelly CLAY. Gravel is subangular to rounded of fine to medium mixed lithologies. CGT	
		0.80	HSV	56kPa				1.00m - 2.30m : Becoming firm reddish brown mottled grey with occasional grey fine to medium sand lenses (>1cm thick).	
		1.00	SPT()	N=11 (1,2/2,2,3,4)					
		2.00	SPT()	N=5 (1,1/0,1,2,2)	2.30	76.90		Grey, clayey, fine to medium SAND. GGT	
					2.70	76.50		2.60m - 2.70m : Becoming very clayey.	
		3.00	SPT()	N=14 (2,2/3,3,4,4)				Minimal recovery. Recovered material comprises soft, greyish brown, sandy CLAY. CGT	
		4.00	SPT()	N=16 (2,3/3,4,4,5)					

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.



Level : 79.20m AoD

Final Depth	5.00
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Scale

End of Borehole at 5.00m

9-

Installation

File Type	Dis...
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Log printed on 13/09/2022 at 14:09

Project Name: Ten Acres Lane

Client: NUVU Developments Ltd

Date: 23/10/2020

Location: Newton Heath

Contractor: Geotron

Co-ords: E387380.00 N400349.00

Project No. : LD10385

Drilling Equipment: WS rig

Level : 79.80m AoD

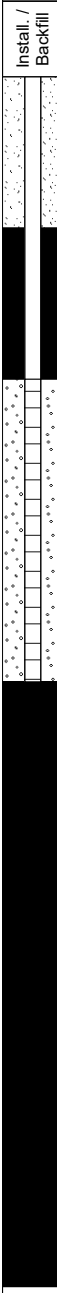
Logged By
ZH

Checked By
JC

Approved By
MP

SPT Energy Ratio
65%

Final Depth
4.00

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.90 0.90 – 0.95 1.00	ES SPT()	N=8 (4,3/2,2,2,2)				MADE GROUND: Recovered as grey and orangish brown, slightly sandy, angular to subrounded, fine to coarse GRAVEL of suspected slag, suspected clinker, brick, concrete, sandstone. Sand is fine to coarse of ash. GMG	1
		2.00	SPT()	N=1 (1,0/0,1,0,0)	2.00	77.80		Soft, dark brown, sandy CLAY. Sand is fine. CGT	2
		2.90 2.90 2.90 3.00	HSV HSV HSV SPT()	102kPa 110kPa 98kPa N=35 (5,5/7,8,9,11)	2.75	77.05		Firm occasionally stiff, reddish brown and grey, slightly gravelly, slightly sandy CLAY. Gravel is subangular to subrounded of fine to medium mixed natural lithologies including sandstone and mudstone. Sand is fine to coarse. CGT	3
		3.80 3.80 3.80 4.00	HSV HSV HSV SPT()	110kPa 112kPa 120kPa N=20 (3,3/3,5,6,6)	4.00	75.80		End of Borehole at 4.00m	4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 23/10/2020
Location: Newton Heath	Contractor: Geotron UK	Co-ords: E387912.00 N400392.00
Project No. : LD10385	Drilling Equipment:	Level : 85.00m AoD

Logged By ZH	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 4.00
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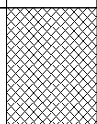
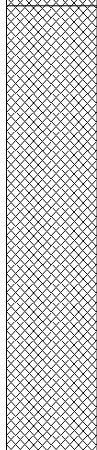
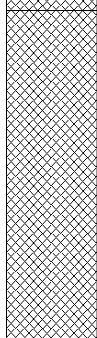
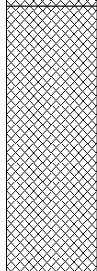
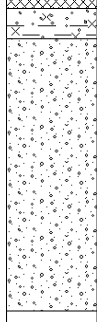
Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.15			84.85		Recovered as 50% roots and rootlets; 25% soft, brown, slightly sandy CLAY; 10% glass fragments; 5% plastic (wrapper); 5% ceramic; 5% wood fragments (twigs and branches). Sand is fine to medium. TF	1	
		0.60			84.40		Recovered as 70% compact dark brown and grey, slightly clayey, sandy, fine to coarse GRAVEL of red brick, suspected clinker/ slag and mudstone; 20% cobble sized fragments of red brick, suspected clinker/ slag and mudstone. Sand is fine to medium. CW		
		0.85 0.85 – 0.90 1.00	ES SPT()	N=12 (1,2/2,3,3,4)			Recovered as 70% soft to firm, brown mottled light grey and orange brown, slightly sandy, silty CLAY; 20% old roots and rootlets and 10% subrounded cobbles of sandstone. CMG		
		2.00	SPT()	N=22 (5,5/5,5,6,6)	1.80	83.20		Recovered as stiff, brown mottled light grey and pink, slightly gravelly CLAY. Gravel is subangular to subrounded of fine to coarse red mudstone/ marl, gritstone, red sandstone) CMG	2
		2.50	HSV	95kPa				3	
		2.75	HSV	65kPa					
		3.00 3.00	HSV SPT()	130kPa N=24 (5,6/5,5,6,8)					
		3.50	HSV	70kPa			4		
		3.75	HSV	75kPa					
		4.00 4.00	HSV SPT()	50kPa N=31 (4,4/6,9,9,7)	4.00	81.00		End of Borehole at 4.00m	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top 0.00m 1.00m	Base 1.00m 2.00m	Pipe Type PLAIN SLOTTED	Diameter

Remarks
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Log printed on 13/09/2022 at 14:09

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 23/10/2020
Location: Newton Heath	Contractor: Geotron	Co-ords: E387933.06 N400343.71
Project No. : LD10385	Drilling Equipment: WS rig	Level : 84.66m AoD

Logged By JC	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00
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Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.40	84.26		Recovered as firm to stiff, dark brown to brown, slightly gravelly, sandy CLAY with occasional tree roots (10mm) and rootlets. Gravel is angular to rounded of fine to medium red brick. TF 0.20m - 0.25m : Some cobble sized fragments of brick.	1
								Recovered as dark reddish brown to black, very sandy/ ashy, angular to rounded, fine to coarse GRAVEL of red brick, suspected slag and suspected clinker. CW	
		1.00	SPT()	N=3 (2,2/2,1,0,0)					
		1.50 1.50 1.50	ES	8.40ppmv					
		2.00	SPT()	N=20 (2,3/4,4,6,6)	1.90	82.76		Recovered as stiff to very stiff, dark brown mottled grey, slightly gravelly, silty CLAY. Gravel is subangular to subrounded of fine to medium mixed lithologies. CMG	2
		3.00	SPT()	N=29 (4,5/6,6,8,9)	3.00	81.66		Minimal recovery. Recovered material comprises wet, very sandy, angular to subrounded, fine to coarse GRAVEL of red brick, concrete and mixed lithologies. GMG	3
		4.00	SPT()	N=24 (3,4/4,6,7,7)	3.90 4.00	80.76 80.66		Stiff to very stiff, dark brown mottled grey, slightly gravelly, silty CLAY. Gravel is subangular to subrounded of fine to medium mixed lithologies. CGT Wet, sandy, subrounded, fine to medium GRAVEL of mixed lithologies. GGT	4
					4.90	79.76			

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.



Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS119
Sheet 2 of 2

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 23/10/2020
Location: Newton Heath	Contractor: Geotron	Co-ords: E387933.06 N400343.71
Project No. : LD10385	Drilling Equipment: WS rig	Level : 84.66m AoD

Logged By JC	Checked By JC	Approved By MP	SPT Energy Ratio 65%	Final Depth 5.00
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Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT()	N=31 (5,6/7,8,8,8)	5.00	79.66		Minimal recovery. Recovered material comprises wet, brown, clayey SAND. GGT End of Borehole at 5.00m	5
									6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane

Client: NUVU Developments Ltd

Date: 20/10/2020

Location: Newton Heath

Contractor: Geotron

Co-ords: E387816.31 N400271.84

Project No. : LD10385

Drilling Equipment:

Level : 82.42m AoD

Logged By
EG & ZH

Checked By
JC

Approved By
MP

SPT Energy Ratio
%

Final Depth	5.00
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Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.30	82.12		Recovered as soft, brown, slightly sandy, slightly gravelly CLAY with frequent rootlets. Gravel is angular to subrounded of fine to coarse brick, concrete, suspected slag, and sandstone. TF	1
					0.50	81.92		Recovered as dark grey to black, gravelly, clayey, fine to medium SAND. Gravel is angular to subrounded of fine to coarse of red brick, timber, coal, glass and sandstone. GMG	
					0.95	81.47		0.48m - 0.95m : A single iron nail (4cm in length). Recovered as firm, grey, gravelly CLAY. Gravel is subangular of fine to coarse siltstone, mudstone and ironstone. CMG	
								Recovery is of stronger materials, weaker materials not recovered. Recovered material comprises stiff, brown, slightly sandy, slightly gravelly CLAY with occasional coarse gravel sized pockets of soft, sandy clay. Gravel is angular to subrounded of fine to coarse brick, coal, sandstone, mudstone and suspected clinker. Sand is fine to medium. CMG	2
								1.60m : Becoming soft.	
								1.90m - 1.95m : Band of slightly clayey, very sandy, angular to subangular GRAVEL of brick.	
									3
								2.80m : Becoming firm.	
					3.80	78.62		Recovered as soft, brown, slightly sandy, slightly gravelly CLAY. Gravel is angular to rounded of fine to coarse suspected slag, red brick, suspected clinker, coal and crystalline rocks. Sand is fine to medium. CMG	4
					4.20	78.22		3.90m - 4.20m : Sandy. 4.00m : A single cobble of iron stone.	
					4.50	77.92		Recovered as 40% subangular to subrounded, fine to medium GRAVEL of suspected clinker, mudstone and coal with frequent gravel sized inclusions of soft, white clay, soft, brown, slightly sandy, slightly gravelly CLAY and black, clayey, fine to medium SAND. Gravel is angular to rounded of fine to coarse suspected slag, red brick, suspected clinker, coal and crystalline rocks. GMG	
					4.90	77.52		Recovered as greyish white, slightly clayey, sandy, angular to subangular, fine to coarse GRAVEL of possible chalk/ lime (90%), brick (5%) and suspected clinker (5%). GMG	

[illegible]

Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 20/10/2020
Location: Newton Heath	Contractor: Geotron	Co-ords: E387816.31 N400271.84
Project No. : LD10385	Drilling Equipment:	Level : 82.42m AoD

Logged By EG & ZH	Checked By JC	Approved By MP	SPT Energy Ratio %	Final Depth 5.00
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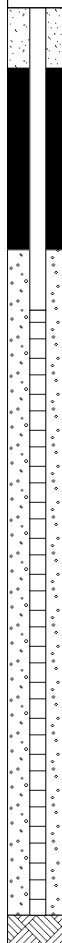
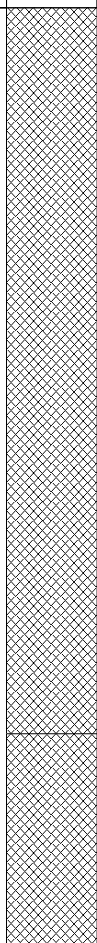
Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					5.00	77.42		Firm, light orangish brown, slightly sandy, gravelly CLAY. Gravel is subangular of fine to coarse light orangish brown mudstone/marl. CGT End of Borehole at 5.00m	5
									6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	

Remarks
 Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 22/04/2022
Location: Newton Heath	Contractor: Geotron Ltd	Co-ords: E387505.28 N400241.60
Project No. : LD10385	Drilling Equipment: Competitor Dart	Level : 82.56m AoD

Logged By LT	Checked By JC	Approved By MP	SPT Energy Ratio %	Final Depth 3.10
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Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		2.80 – 3.00	ES		2.40	80.16		Recovered as brown and orange mottled, sandy, clayey GRAVEL with occasional cobble sized fragments of red brick and concrete. Gravel is angular to subangular of fine to coarse red brick and concrete. GMG 1.00m - 2.00m : Minimal recovery between 1.00m and 2.00m. 1.50m : Cloth fragments at 1.50m.	1
					3.10	79.46		Recovered as brown and orange mottled, gravelly SAND. Gravel is subangular of fine to coarse red brick. Hydrocarbon odour. GMG 2.60m : Becoming wet from 2.60m. 2.80m : Stained black with occasional rotten timber fragments and wire from 2.80m.	3
								End of Borehole at 3.10m	4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
3.10m	115mm	3.00m	115mm									0.00m 1.00m	1.00m 3.00m	PLAIN SLOTTED	50mm 50mm

Remarks
 Inspection pit hand dug to 1.20m bgl.
 Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
 Terminated due to refusal at 3.1m.
 Log printed on 13/09/2022 at 14:09

Project Name: Ten Acres Lane

Client: NUVU Developments Ltd

Date: 14/04/2022

Location: Newton Heath

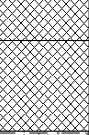
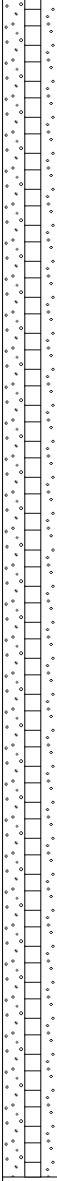
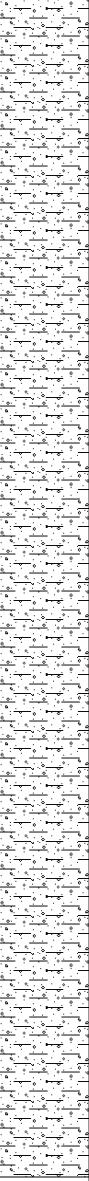
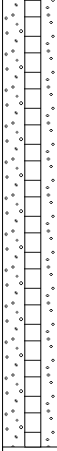
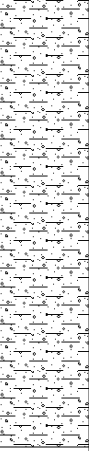
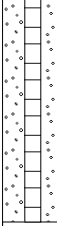
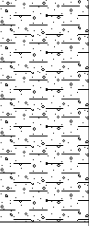
Contractor: Geotron Ltd

Co-ords: E387658.07 N400142.01

Project No. : LD10385

Drilling Equipment: Competitor Dart

Level : 80.63m AoD

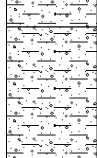
Logged By MS		Checked By JC		Approved By MP		SPT Energy Ratio 67%		Final Depth 5.45	
Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.30			0.30	80.33		Recovered as soft, dark brown, sandy, gravelly CLAY with frequent roots / rootlets and rare cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse mixed lithologies.	1
		0.50	ES		0.50			Recovered as dark grey, mottled reddish brown, sandy / ashy, angular to subrounded, fine to coarse GRAVEL of red brick, plastic, timber and mixed lithologies.	
		0.70			0.70	79.93		0.60m - 0.70m : Recovered with occasional cobble sized fragments of red brick between 0.60m and 0.70m.	
		1.00	SPT(C)	N=11 (1,2/3,3,3)	1.00	79.63		Recovered as dark brown and grey mottled, slightly gravelly, sandy CLAY. Gravel is angular to subrounded of fine to coarse mixed lithologies.	
		2.00	SPT(C)	N=18 (2,3/3,4,5,6)				Firm, light brown and reddish brown mottled, slightly sandy, slightly gravelly CLAY. Gravel is angular to subrounded of fine to coarse mixed natural lithologies.	2
		3.00	SPT(C)	N=31 (6,6/7,7,8,9)				CGT	
		4.00	SPT(C)	N=18 (3,6/3,5,4,6)					3
									4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	2.00m	115mm									0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	50mm 50mm

Remarks

Inspection pit hand dug to 1.20m bgl.
Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
Terminated as target depth achieved.

Project Name: Ten Acres Lane				Client: NUVU Developments Ltd				Date: 14/04/2022			
Location: Newton Heath				Contractor: Geotron Ltd				Co-ords: E387658.07 N400142.01			
Project No. : LD10385				Drilling Equipment: Competitor Dart				Level : 80.63m AoD			
Logged By MS		Checked By JC		Approved By MP		SPT Energy Ratio 67%		Final Depth 5.45			

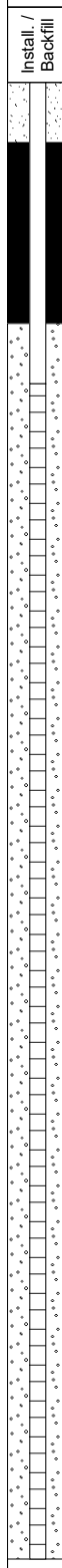
Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT(C)	N=14 (1,1/2,3,4,5)	5.00	75.63		Firm, light brown and reddish brown mottled, slightly sandy, slightly gravelly CLAY. Gravel is angular to subrounded of fine to coarse mixed natural lithologies. CGT	5
					5.45	75.18		No recovery due to the use of SPT cone. Possibly firm, light brown and reddish brown mottled, slightly sandy, slightly gravelly CLAY as above. CGT	
							End of Borehole at 5.45m		

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	2.00m	115mm									0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	50mm 50mm

Remarks
Inspection pit hand dug to 1.20m bgl.
Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
Terminated as target depth achieved.

Log printed on 13/09/2022 at 14:09

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 14/04/2022	
Location: Newton Heath		Contractor: Geotron Ltd		Co-ords: E387598.84 N400193.38	
Project No. : LD10385		Drilling Equipment: Competitor Dart		Level : 82.44m AoD	
Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 5.45	

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.50			0.50	81.94		Recovered as soft, dark brown and grey mottled, sandy / ashy, gravelly CLAY. Gravel is angular to subrounded of fine to coarse red brick, timber and mixed lithologies. CMG	
		1.00	SPT(C)	N=4 (1,3/2,0,1,1)				Recovered as dark grey, very gravelly, very clayey SAND / ASH with frequent cobble sized fragments of concrete. Gravel is angular to subangular of fine to coarse red brick, mudstone, plastic, glass and metal. GMG	1
		2.00	SPT(C)	N=3 (4,2/0,1,1,1)	2.00	80.44		Recovered as dark grey and reddish brown mottled, sandy, slightly clayey, angular to subrounded, fine to coarse GRAVEL of red brick and mixed lithologies. GMG	2
		3.00	SPT(C)	N=4 (3,1/2,1,0,1)					3
		4.00	SPT(C)	N=25 (3,1/3,8,7,7)	3.50	78.94		Recovered as soft, dark grey to black, sandy / ashy, gravelly CLAY. Gravel is angular to subrounded of fine to coarse red brick, plastic, metal and mixed lithologies. Occasional plastic bag fragments. Strong hydrocarbon odour. CMG	4
		4.50	ES						

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm									0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	50mm 50mm

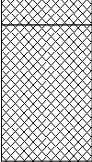
Remarks
 Inspection pit hand dug to 1.20m bgl.
 Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
 Terminated as target depth achieved.

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS303
Sheet 2 of 2

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 14/04/2022
Location: Newton Heath	Contractor: Geotron Ltd	Co-ords: E387598.84 N400193.38
Project No. : LD10385	Drilling Equipment: Competitor Dart	Level : 82.44m AoD

Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 5.45
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Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT(C)	N=17 (3,4/3,5,4,5)	5.00	77.44		Recovered as soft, dark grey to black, sandy / ashy, gravelly CLAY. Gravel is angular to subrounded of fine to coarse red brick, plastic, metal and mixed lithologies. Occasional plastic bag fragments. Strong hydrocarbon odour. CMG	5
					5.45	77.00		No recovery due to the use of the SPT cone. Possibly soft, dark grey to black, sandy / ashy, gravelly CLAY as above. CMG	
								End of Borehole at 5.45m	
									6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm									0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	50mm 50mm

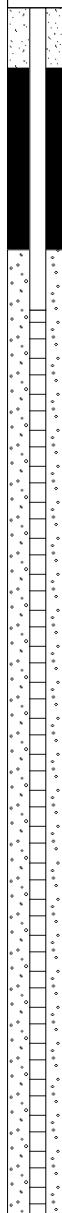
Remarks
Inspection pit hand dug to 1.20m bgl.
Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
Terminated as target depth achieved.

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS304
Sheet 1 of 1

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 22/04/2022
Location: Newton Heath	Contractor: Geotron Ltd	Co-ords: E387623.38 N400358.02
Project No. : LD10385	Drilling Equipment: Competitor Dart	Level : 84.84m AoD

Logged By LT	Checked By JC	Approved By MP	SPT Energy Ratio %	Final Depth 4.00
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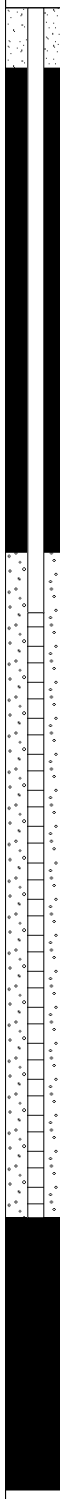
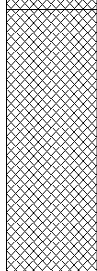
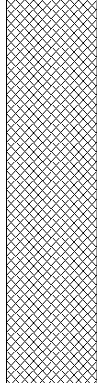
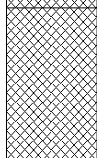
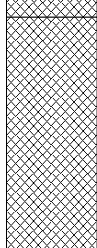
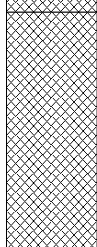
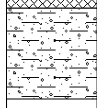
Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		1.50 – 2.00	ES		0.40	84.44		Recovered as firm to stiff, brown and light brown mottled, slightly sandy, slightly gravelly CLAY. Gravel is subrounded of fine to coarse red brick and mixed lithologies. CMG	1
								Recovered as dark grey, gravelly, clayey, fine to medium SAND / ASH. Gravel is subangular of fine to coarse red brick, glass, plastic and mixed lithologies. GMG	
					1.30	83.54		Recovered as dark grey, slightly gravelly SAND / ASH. Gravel is angular of medium glass and mixed lithologies. Slight hydrocarbon and putrid odour. GMG	2
					2.20	82.64		Recovered as firm, greyish brown, slightly sandy, gravelly CLAY. Gravel is subangular of fine to coarse red brick, sandstone and concrete. Sand is fine to medium. Slight hydrocarbon odour. CMG	3
								2.80m : Cobble sized red brick fragment at 2.80m.	
					3.45	81.39		Recovered as dark grey, slightly gravelly SAND / ASH. Gravel is subangular of fine to coarse glass. Hydrocarbon and putrid odour. GMG	4
								3.80m : Cobble sized fragment of rotten wood at 3.80m.	
								3.90m : Cobble sized yellow sponge fragment at 3.90m.	
					4.00	80.84		End of Borehole at 4.00m	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
4.00m	115mm	4.00m	115mm									0.00m 1.00m	1.00m 4.00m	PLAIN SLOTTED	50mm 50mm

Remarks
Inspection pit hand dug to 1.20m bgl.
Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
Terminated as target depth achieved.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 11/04/2022
Location: Newton Heath	Contractor: Geotron Ltd	Co-ords: E387356.61 N400244.68
Project No. : LD10385	Drilling Equipment: Competitor Dart	Level : 78.92m AoD

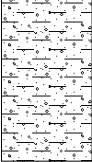
Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 5.45
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Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.30			0.30	78.62		Recovered as dark grey, mottled red brown, sandy, slightly clayey, angular to subrounded, fine to coarse GRAVEL of suspected slag, suspected clinker, sandstone, red brick and mudstone. CW	1
		1.00	SPT(S)	N=1 (1,0/0,0,0,1)				Recovered as dark grey to black, very sandy / ashy, angular to subrounded, fine to coarse GRAVEL of suspected slag, suspected clinker and occasional mixed natural lithologies and red brick. CW	
		2.00	SPT(S)	N=1 (1,0/0,0,0,1)				1.20m - 2.45m : Ash content increases altering colour to a mottled cream.	2
		2.45			2.45	76.47		Recovered as soft, dark grey to black, mottled white, sandy / ashy, slightly gravelly CLAY. Gravel is angular to subrounded, fine to coarse of suspected slag, suspected clinker and occasional mixed natural lithologies. CMG	3
		3.00	SPT(S)	N=2 (1,0/0,0,1,1)	3.00	75.92		Recovered as soft, dark brown to reddish brown, slightly sandy, gravelly CLAY. Gravel is angular to subangular, fine to medium of sandstone, suspected clinker, mudstone and frequent red brick. CMG	
		3.80			3.80	75.12		Recovered as dark grey to black, sandy / ashy, slightly clayey angular to subangular, fine to coarse GRAVEL of suspected clinker, suspected slag, red brick and occasional mixed natural lithologies. CW	4
		4.00	SPT(S)	N=6 (1,0/1,2,3,0)				Soft, dark grey to brown, slightly gravelly, sandy CLAY. Gravel is angular to subrounded, fine to coarse of mudstone and sandstone. CGT	
		4.60			4.60	74.32			

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm									0.00m 2.00m	2.00m 4.00m	PLAIN SLOTTED	50mm 50mm

Remarks
Inspection pit hand dug to 1.20m bgl.
Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
Terminated as target depth achieved.

Project Name: Ten Acres Lane				Client: NUVU Developments Ltd				Date: 11/04/2022							
Location: Newton Heath				Contractor: Geotron Ltd				Co-ords: E387356.61 N400244.68							
Project No. : LD10385				Drilling Equipment: Competitor Dart				Level : 78.92m AoD							
Logged By MS		Checked By JC		Approved By MP		SPT Energy Ratio 67%				Final Depth 5.45					

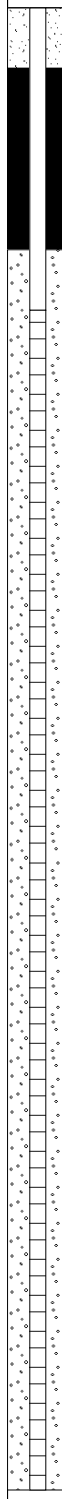
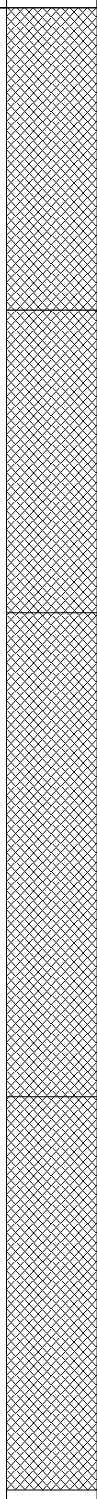
Instali. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT(S)	N=21 (3,4/5,4,6,6)	5.45	73.47	 Soft, dark grey to brown, slightly gravelly, sandy CLAY. Gravel is angular to subrounded, fine to coarse of mudstone and sandstone. CGT	5	
		End of Borehole at 5.45m						6	
								7	
								8	
								9	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm									0.00m 2.00m	2.00m 4.00m	PLAIN SLOTTED	50mm 50mm

Remarks
 Inspection pit hand dug to 1.20m bgl.
 Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
 Terminated as target depth achieved.

Log printed on 13/09/2022 at 14:09

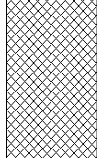
Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 13/04/2022	
Location: Newton Heath		Contractor: Geotron Ltd		Co-ords: E387603.71 N400136.08	
Project No. : LD10385		Drilling Equipment: Competitor Dart		Level : 81.10m AoD	
Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 5.45	

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		1.00	SPT(C)	N=46 (4,12/26,11,4,5)	1.00	80.10		Recovered as grey, mottled brown, red, green and orange, slightly sandy / ashy, slightly clayey, angular to subrounded, fine to coarse GRAVEL of red brick, glass, potential asbestos containing material, concrete, wood and fabric. GMG <i>0.80m - 1.00m : Cobble sized fragments of grey concrete and red brick.</i>	1
		2.00	SPT(C)	N=2 (4,0/0,1,0,1)	2.00	79.10		Recovered as soft, dark grey, mottled reddish brown, slightly sandy / ashy, slightly gravelly CLAY. Gravel is angular to subrounded of fine to coarse wood fragments, fabric, plastic sheets, red brick, plaster board. HW	2
		3.00	SPT(C)	N=9 (1,1/1,2,2,4)				Recovered as dark brown to black, slightly sandy / ashy, angular to subrounded, fine to coarse GRAVEL of red brick, wood, fabric and plastic. HW <i>2.00m - 2.70m : No recovery.</i>	3
		4.00	SPT(C)	N=1 (3,2/0,0,0,1)	3.60	77.50		Recovered as soft to firm, greyish brown, slightly gravelly, sandy CLAY. Gravel is angular to subrounded of fine to medium mixed natural lithologies and red brick with rare wood and plastic. CMG <i>4.45m - 5.00m : Brown. Gravel of mixed natural lithologies.</i>	4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm									0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	50mm 50mm

Remarks
 Inspection pit hand dug to 1.20m bgl.
 Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
 1.0m drilled at first location with SPT taken at 1.0m - Made ground so hard it broke the SPT Split Spoon. CPT used instead.
 Terminated as target depth achieved.
Log printed on 13/09/2022 at 14:09

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 13/04/2022	
Location: Newton Heath		Contractor: Geotron Ltd		Co-ords: E387603.71 N400136.08	
Project No. : LD10385		Drilling Equipment: Competitor Dart		Level : 81.10m AoD	
Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 5.45	

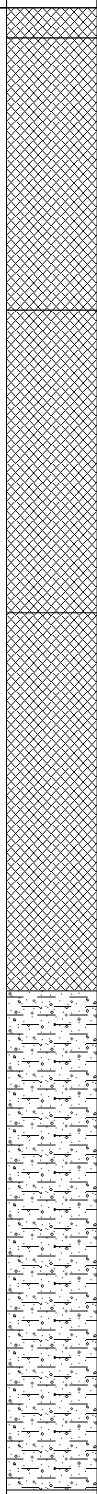
Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT(C)	N=9 (1,0/2,1,3,3)	5.45	75.65		Recovered as soft to firm, greyish brown, slightly gravelly, sandy CLAY. Gravel is angular to subrounded of fine to medium mixed natural lithologies and red brick with rare wood and plastic. CMG 5.00m - 5.45m : No recovery from CPT.	5
								End of Borehole at 5.45m	6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm									0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	50mm 50mm

Remarks
Inspection pit hand dug to 1.20m bgl.
Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
1.0m drilled at first location with SPT taken at 1.0m - Made ground so hard it broke the SPT Split Spoon. CPT used instead.
Terminated as target depth achieved.
Log printed on 13/09/2022 at 14:09

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 12/04/2022
Location: Newton Heath	Contractor: Geotron Ltd	Co-ords: E387569.18 N400107.93
Project No. : LD10385	Drilling Equipment: Competitor Dart	Level : 80.99m AoD

Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 5.45
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Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.10			0.10	80.89		Recovered as soft, dark brown, slightly gravelly, sandy CLAY. Gravel is angular to subrounded of fine to coarse mudstone, sandstone, red brick, wood fragments and metal fragments. TF Recovered as soft, dark brown to grey, mottled orange and brown, slightly sandy / ashy, slightly gravelly CLAY. Gravel is angular to subrounded of fine to coarse of suspected slag, suspected clinker, red brick and occasional mixed natural lithologies. CMG 0.80m - 1.00m : Cobbles of red brick and concrete.	1
		1.00	SPT(S)	N=6 (3,3/2,1,2,1)	1.00	79.99		Recovered as dark grey, sandy, angular to subangular, fine to coarse GRAVEL of red brick, concrete and wood fragments with occasional cobble sized fragments of red brick and concrete. GMG 1.90m - 2.00m : Gravel of chip board fragments.	
		2.00	SPT(S)	N=10 (2,1/2,2,3,3)	2.00	78.99		Recovered as soft, dark grey to dark brown, slightly sandy / ashy, slightly gravelly CLAY with occasional pockets of fine to medium gravel. Gravel is angular to subrounded of fine to coarse red brick, suspected slag, suspected clinker and mixed natural lithologies. CGT 2.00m - 2.45m : No recovery.	
		3.00	SPT(S)	N=12 (1,3/2,4,3,3)	3.25	77.74		Soft, brown to grey, slightly sandy, slightly gravelly CLAY. Gravel is angular to subrounded, fine to coarse of mixed natural lithologies. CGT	
		4.00	SPT(S)	N=10 (2,1/2,2,3,3)					4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm									0.00m 1.00m	1.00m 3.00m	PLAIN SLOTTED	50mm 50mm

Remarks
Inspection pit hand dug to 1.20m bgl.
Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
Terminated as target depth achieved.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 12/04/2022
Location: Newton Heath	Contractor: Geotron Ltd	Co-ords: E387569.18 N400107.93
Project No. : LD10385	Drilling Equipment: Competitor Dart	Level : 80.99m AoD

Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 5.45
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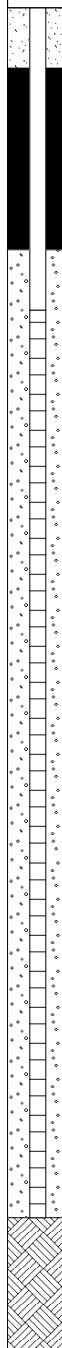
Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT(S)	N=11 (2, 1/2, 3, 3, 3)				Soft, brown to grey, slightly sandy, slightly gravelly CLAY. Gravel is angular to subrounded, fine to coarse of mixed natural lithologies. CGT	5
					5.45	75.54		End of Borehole at 5.45m	6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm									0.00m 1.00m	1.00m 3.00m	PLAIN SLOTTED	50mm 50mm

Remarks
 Inspection pit hand dug to 1.20m bgl.
 Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
 Terminated as target depth achieved.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 21/04/2022
Location: Newton Heath	Contractor: Geotron Ltd	Co-ords: E387815.34 N400316.82
Project No. : LD10385	Drilling Equipment: Competitor Dart	Level : 84.80m AoD

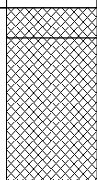
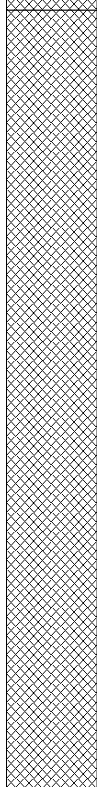
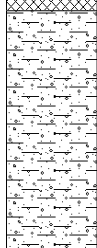
Logged By LT	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 4.45
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Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.45			0.45	84.35		Recovered as soft, dark grey, slightly sandy, slightly gravelly CLAY with a single cobble of red brick, rare plastic food wrappers and rope. Gravel is subangular, fine to coarse of red brick. CMG	1
		1.00	SPT(C)	N=3 (1,1/0,1,1,1)	1.25	83.55		Recovered as firm, brown and yellowish brown, slightly gravelly, sandy CLAY. Gravel is subangular of fine to coarse brick and sandstone. CMG 0.80m : Cobble sized red brick.	
		2.00	SPT(C)	N=0 (1,2/0,0,0,0)				Recovered as brown, slightly gravelly, clayey, fine to medium SAND. Gravel is subangular of fine to coarse red brick. GMG 2.00m - 3.00m : Poor recovery. Wet. 2.20m : Cobble sized red brick.	2
		3.00	SPT(C)	N=4 (0,0/1,1,1,1)	3.00	81.80		Soft, grey, stained dark grey, sandy CLAY with slight hydrocarbon odour. Sand is fine. Odour and staining possibly associated with groundwater. CGT	3
		4.00	SPT(C)	N=7 (3,4/1,2,2,2)	4.45	80.35		4.00m - 4.45m : No recovery from CPT.	4
								End of Borehole at 4.45m	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
4.00m	115mm	4.00m	115mm									0.00m 1.00m	1.00m 4.00m	PLAIN SLOTTED	50mm 50mm

Remarks
Inspection pit hand dug to 1.20m bgl.
Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
Terminated at 4.0m due to issues with the rig.

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 12/04/2022	
Location: Newton Heath		Contractor: Geotron Ltd		Co-ords: E387410.52 N400217.64	
Project No. : LD10385		Drilling Equipment: Competitor Dart		Level : 80.01m AoD	
Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 5.45	

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.10			0.10	79.91		Recovered as brown to orange, angular, coarse GRAVEL of wood chippings. GMG	1
		0.60			0.60	79.41		Recovered as light brown, mottled yellow, reddish brown and grey, very sandy, angular to subrounded, fine to coarse GRAVEL of red brick and sandstone with occasional suspected slag and suspected clinker. CW	
		1.00	SPT(S)	N=17 (7,5/3,5,5,4)				Recovered as soft, dark grey and dark brown, mottled reddish brown, slightly gravelly, sandy / ashy CLAY. Gravel is angular to subangular of fine to coarse suspected slag and suspected clinker with occasional red brick and mixed natural lithologies. CMG	
		2.00	SPT(S)	N=4 (1,0/0,1,1,2)				1.70m - 1.90m : Black and grey colour. 2.00m : Slight hydrocarbon odour. 2.50m - 2.70m : Increased ash content altering colour to mottled cream and ashy white.	
		3.00	SPT(S)	N=0 (3,1/0,0,0,0)					3
		3.20			3.20	76.81		Soft, dark brown to dark grey, slightly sandy, slightly gravelly CLAY. Gravel is subangular to rounded of fine to coarse mixed natural lithologies. CGT	
		4.00	SPT(S)	N=13 (2,3/2,4,3,4)	4.00	76.01		Soft to firm, dark brown and grey to reddish brown, slightly sandy, slightly gravelly CLAY with occasional pockets of dark grey, sandy gravel of mudstone. Gravel is angular to subrounded of fine to coarse mixed natural lithologies. CGT	4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm									0.00m 2.00m	2.00m 4.00m	PLAIN SLOTTED	50mm 50mm

Remarks
Inspection pit hand dug to 1.20m bgl.
Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
Terminated as target depth achieved.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 12/04/2022
Location: Newton Heath	Contractor: Geotron Ltd	Co-ords: E387410.52 N400217.64
Project No. : LD10385	Drilling Equipment: Competitor Dart	Level : 80.01m AoD

Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 5.45
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Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT(S)	N=24 (3,4/4,6,6,8)				Soft to firm, dark brown and grey to reddish brown, slightly sandy, slightly gravelly CLAY with occasional pockets of dark grey, sandy gravel of mudstone. Gravel is angular to subrounded of fine to coarse mixed natural lithologies. CGT	5
					5.45	74.56		End of Borehole at 5.45m	6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm									0.00m 2.00m	2.00m 4.00m	PLAIN SLOTTED	50mm 50mm

Remarks
 Inspection pit hand dug to 1.20m bgl.
 Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
 Terminated as target depth achieved.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 13/04/2022
Location: Newton Heath	Contractor: Geotron Ltd	Co-ords: E387590.29 N400157.46
Project No. : LD10385	Drilling Equipment: Competitor Dart	Level : 81.45m AoD

Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 4.45
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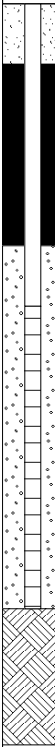
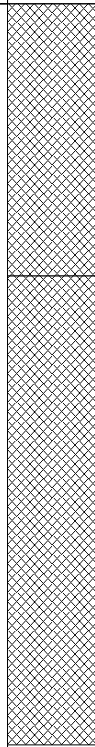
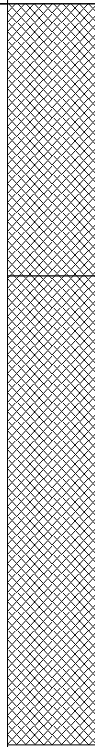
Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.30	81.15		Recovered as dark brown to grey, sandy, gravelly CLAY. Gravel is angular to rounded of fine to coarse wood, red brick, plastic, tyres, metal and mixed natural lithologies. GMG	
								Recovered as dark brown to grey, stained black, sandy, gravelly CLAY with frequent cobble sized fragments of red brick. Gravel is angular to subangular of fine to coarse red brick, wood and plastic bags. CMG	
		1.00	SPT(C)	N=1 (0,1/0,0,1,0)					1
		2.00	SPT(C)	N=32 (5,3/13,11,5,3)					2
					2.80	78.65		Dark grey to brown, sandy, gravelly CLAY. Gravel is angular to subrounded, medium to coarse of red brick, wood and plastic bags. CMG	3
		3.00	SPT(C)	N=7 (4,7/0,1,0,6)					
		4.00	SPT(S)	N=4 (3,2/2,1,0,1)				4.00m - 4.45m : No recovery from CPT.	4
					4.45	77.00		End of Borehole at 4.45m	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
4.00m	115mm	4.00m	115mm									0.00m 1.00m	1.00m 4.00m	PLAIN SLOTTED	50mm 50mm

Remarks
Inspection pit hand dug to 1.20m bgl.
Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
Terminated as target depth achieved.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 13/04/2022
Location: Newton Heath	Contractor: Geotron Ltd	Co-ords: E387576.27 N400181.47
Project No. : LD10385	Drilling Equipment: Competitor Dart	Level : 82.21m AoD

Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 2.45
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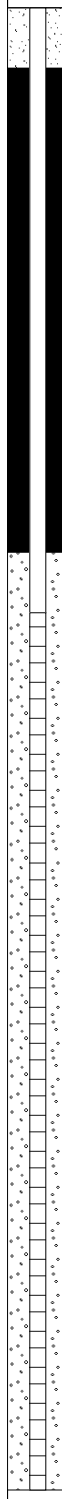
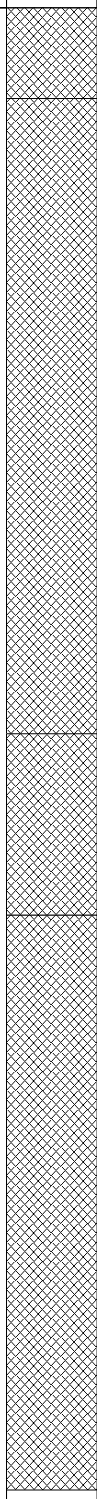
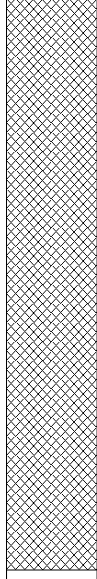
Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale	
		Depth (m)	Type	Results						
		1.00	SPT(C)	N=13 (2,4/2,3,2,6)	0.90	81.31		Recovered as dark grey to brown, mottled red, white and orange, slightly sandy / ashy, gravelly CLAY with occasional cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse mixed natural lithologies, red brick, wood, plastic bags and fibreglass. CMG <i>0.65m - 0.90m : Cobble of medium grained sandstone.</i>	1	
		2.00	SPT(C)	N=3 (2,1/0,0,0,3)	2.45	79.76		Recovered as soft, reddish brown to grey, sandy, gravelly CLAY. Gravel is angular to subrounded of fine to coarse mixed natural lithologies, red brick and plastic. CMG <i>1.60m : Frequent gravel sized fragments of glass.</i> <i>2.00m - 2.45m : No recovery from CPT.</i>	2	
		End of Borehole at 2.45m								3
										4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
2.00m	115mm	2.00m	115mm									0.00m 1.00m	1.00m 2.00m	PLAIN SLOTTED	50mm 50mm

Remarks
Inspection pit hand dug to 1.20m bgl.
Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
Terminated at 2.45m due to casing not being straight.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 14/04/2022
Location: Newton Heath	Contractor: Geotron Ltd	Co-ords: E387677.19 N400199.80
Project No. : LD10385	Drilling Equipment: Competitor Dart	Level : 86.73m AoD

Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 5.45
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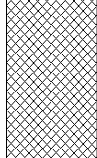
Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.30			0.30	86.43		Recovered as soft, dark brown, sandy, gravelly CLAY with frequent cobble sized fragments of red brick, concrete and plastic bags. Gravel is angular to subrounded of fine to coarse red brick, mixed natural lithologies, plastic, metal and ceramics. CMG	
		1.00	SPT(C)	N=2 (1,0/1,0,0,1)				Recovered as soft grey to brown, mottled red, cream and black, sandy, gravelly CLAY with occasional cobble sized fragments of concrete. Gravel is angular to subrounded of fine to coarse red brick, mixed natural lithologies, plastic and concrete. CMG	
		2.00	SPT(C)	N=23 (7,6/8,5,7,3)					
		2.40			2.40	84.33		Recovered as soft, reddish brown, sandy CLAY with occasional cobble sized pockets of stiff, slightly gravelly, sandy clay. Gravel is angular to subrounded of fine to coarse sandstone and red brick. CMG	
		3.00	SPT(C)	N=4 (2,2/1,1,1,1)	3.00	83.73		Recovered as soft to firm, reddish brown to grey, slightly gravelly, sandy CLAY. Gravel is angular to subrounded of fine to coarse mixed natural lithologies and red brick. CMG	
		4.00	SPT(C)	N=1 (1,0/0,0,0,1)					

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm									0.00m 2.00m	2.00m 5.00m	PLAIN SLOTTED	50mm 50mm

Remarks
 Inspection pit hand dug to 1.20m bgl.
 Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
 Terminated as target depth achieved.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 14/04/2022
Location: Newton Heath	Contractor: Geotron Ltd	Co-ords: E387677.19 N400199.80
Project No. : LD10385	Drilling Equipment: Competitor Dart	Level : 86.73m AoD

Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 5.45
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Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT(S)	N=0 (1,1/0,0,0,0)	5.45	81.28		Recovered as soft to firm, reddish brown to grey, slightly gravelly, sandy CLAY. Gravel is angular to subrounded of fine to coarse mixed natural lithologies and red brick. CMG 5.00m - 5.45m : No recovery from CPT.	5
								End of Borehole at 5.45m	6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm									0.00m 2.00m	2.00m 5.00m	PLAIN SLOTTED	50mm 50mm

Remarks
 Inspection pit hand dug to 1.20m bgl.
 Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
 Terminated as target depth achieved.

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 21/04/2022	
Location: Newton Heath		Contractor: Geotron Ltd		Co-ords: E387777.55 N400318.26	
Project No. : LD10385		Drilling Equipment: Competitor Dart		Level : 85.82m AoD	
Logged By LT	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 4.45	

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		1.00	SPT(C)	N=19 (1,1/2,2,7,8)	1.60	84.22		Recovered as firm, greyish brown, gravelly CLAY with occasional cobble sized fragments of red brick and concrete. Gravel is subangular of fine to coarse brick, sandstone and concrete. CMG	1
		2.00	SPT(C)	N=17 (3,5/4,5,4,4)	2.70	83.12		Recovered as stiff, brown and greyish brown, slightly sandy, gravelly CLAY with a single cobble sized fragment of red brick. Gravel is subangular of fine to coarse red brick, mixed natural lithologies and rare suspected clinker. CMG	2
		3.00	SPT(C)	N=8 (4,3/2,2,2,2)				Recovered as grey and dark grey, slightly sandy, angular to subangular, fine to coarse GRAVEL of mudstone and coal. CS	3
		4.00	SPT(C)	N=11 (3,2/2,2,2,5)	4.45	81.36		3.50m : Reddish brown gravel of burnt shale.	4
								End of Borehole at 4.45m	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
4.00m	115mm	4.00m	115mm									0.00m 1.00m	1.00m 4.00m	PLAIN SLOTTED	50mm 50mm

Remarks
Inspection pit hand dug to 1.20m bgl.
Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
Terminated at 4.0m due to issues with the rig.

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 22/04/2022	
Location: Newton Heath		Contractor: Geotron Ltd		Co-ords: E387616.54 N400341.16	
Project No. : LD10385		Drilling Equipment: Competitor Dart		Level : 84.79m AoD	
Logged By	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 4.45	

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.30	84.49		Driller notes very hard Made Ground.	
								Driller notes very hard Made Ground.	
		1.00	SPT(C)	N=46 (2,2/9,20,10,7)	1.00	83.79		Driller notes very hard Made Ground.	1
		2.00	SPT(C)	N=12 (2,3/5,3,2,2)	2.00	82.79		Driller notes Made Ground.	2
		3.00	SPT(C)	N=4 (1,2/1,1,1,1)	3.00	81.79		Driller notes Made Ground.	3
		4.00	SPT(C)	N=9 (2,1/3,2,2,2)					4
					4.45	80.34		End of Borehole at 4.45m	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
4.00m	115mm	4.00m	115mm									0.00m 1.00m	1.00m 4.00m	PLAIN SLOTTED	50mm 50mm

Remarks
Inspection pit hand dug to 1.20m bgl.
Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
Terminated as target depth achieved.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 22/04/2022
Location: Newton Heath	Contractor: Geotron Ltd	Co-ords: E387532.69 N400293.02
Project No. : LD10385	Drilling Equipment: Competitor Dart	Level : 83.41m AoD

Logged By LT	Checked By JC	Approved By MP	SPT Energy Ratio %	Final Depth 4.00
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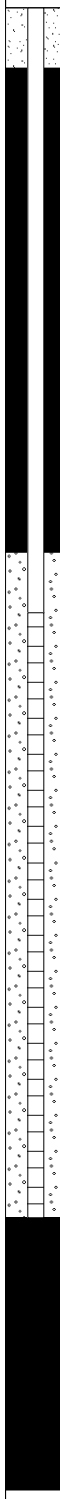
Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					1.80	81.61		Recovered as firm, dark brown, slightly sandy, gravelly CLAY with occasional cobble sized fragments of brick, sandstone, concrete and mudstone. Gravel is subangular of fine to coarse brick, concrete and sandstone. CMG 0.50m : Frequent cobble sized fragments of the above.	1
					2.40	81.01		Recovered as dark grey and brown, slightly gravelly SAND with occasional ashy horizons. Gravel is subangular of fine to coarse brick and glass. GMG 2.00m - 3.00m : Poor recovery due to sandstone cobble.	2
								Recovered as brown and orange, sandy, angular to subangular COBBLES of brick and sandstone with occasional glass and plastic fragments. Sand is fine. DW 3.00m - 4.00m : Poor recovery.	3
					4.00	79.41		End of Borehole at 4.00m	4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
4.00m	115mm	4.00m	115mm									0.00m 1.00m	1.00m 4.00m	PLAIN SLOTTED	50mm 50mm

Remarks
 Inspection pit hand dug to 1.20m bgl.
 Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
 Terminated as target depth achieved.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 11/04/2022
Location: Newton Heath	Contractor: Geotron Ltd	Co-ords: E387410.00 N400290.62
Project No. : LD10385	Drilling Equipment: Competitor Dart	Level : 80.09m AoD

Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 5.45
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Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.10			0.10	79.99		Recovered as soft, dark grey to brown, slightly gravelly, sandy CLAY. Gravel is angular to subrounded of fine to coarse mixed natural lithologies, red brick and suspected slag. TF Recovered as dark grey to black, mottled orangish brown, gravelly, slightly clayey SAND / ASH. Gravel is angular to subangular of fine to coarse suspected slag and suspected clinker with occasional red brick and mixed natural lithologies. CW	1
		1.00	SPT(S)	N=1 (1,0/0,0,0,1)	1.45	78.64		Recovered as soft, red to reddish brown, mottled ashy cream and dark grey, slightly sandy / ashy, gravelly CLAY. Gravel is angular to subangular of fine to coarse suspected slag, suspected clinker and occasional red brick. CMG	
		2.00	SPT(S)	N=1 (1,0/0,0,1,0)	1.70	78.39		Recovered as soft, dark grey to brown, sandy/ ashy, gravelly CLAY. Gravel is angular to subangular of fine to coarse suspected slag, suspected clinker with occasional red brick and glass. CMG	2
		3.00	SPT(S)	N=1 (1,0/1,0,0,0)	3.00	77.09		2.80m - 2.90m : Band of firm, dark brown to reddish brown, slightly sandy / ashy, slightly gravelly clay. Recovered as reddish brown, mottled grey and brown, sandy, angular to subangular, fine to coarse GRAVEL of mudstone and sandstone with occasional suspected slag. CW 3.00m : Lense of dark grey, damp, sandy, slightly clayey angular to subrounded, fine to coarse gravel of suspected slag and suspected clinker. 3.00m - 3.45m : No recovery from CPT.	3
		4.00	SPT(S)	N=13 (1,2/3,3,3,4)	3.80	76.29		Recovered as soft to firm, dark brown to grey, sandy, gravelly CLAY. Gravel is angular to subangular of fine to coarse suspected slag and suspected clinker. CMG 4.20m - 4.45m : Reddish brown. Gravel is angular to subrounded of fine to coarse mixed natural lithologies. 4.45m - 5.00m : Mottled reddish brown. Occasional gravel of red brick and mixed natural lithologies.	4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm									0.00m 2.00m	2.00m 4.00m	PLAIN SLOTTED	50mm 50mm

Remarks
Inspection pit hand dug to 1.20m bgl.
Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
Terminated as target depth achieved.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 11/04/2022
Location: Newton Heath	Contractor: Geotron Ltd	Co-ords: E387410.00 N400290.62
Project No. : LD10385	Drilling Equipment: Competitor Dart	Level : 80.09m AoD

Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 5.45
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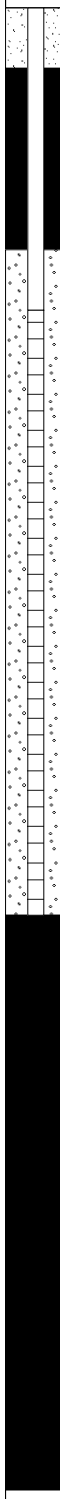
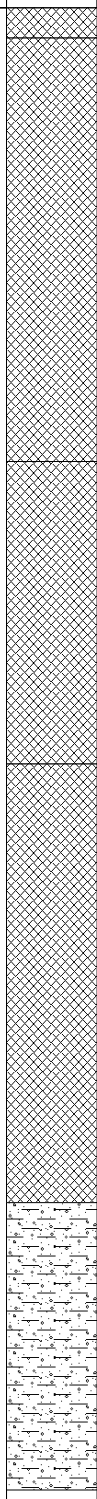
Instali. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT(S)	N=23 (4,4/4,6,6,7)				Recovered as soft to firm, dark brown to grey, sandy, gravelly CLAY. Gravel is angular to subangular of fine to coarse suspected slag and suspected clinker. CMG	5
					5.45	74.64		End of Borehole at 5.45m	6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm									0.00m 2.00m	2.00m 4.00m	PLAIN SLOTTED	50mm 50mm

Remarks
 Inspection pit hand dug to 1.20m bgl.
 Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
 Terminated as target depth achieved.

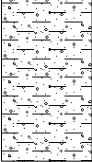
Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 11/04/2022
Location: Newton Heath	Contractor: Geotron Ltd	Co-ords: E387376.44 N400295.16
Project No. : LD10385	Drilling Equipment: Competitor Dart	Level : 79.44m AoD

Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 5.45
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Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.10			0.10	79.34		Recovered as soft, dark brown to dark grey, sandy, gravelly CLAY with frequent roots and rootlets. Gravel is angular to rounded of fine to coarse sandstone and mudstone. TF Recovered as dark brown to dark grey, sandy / ashy, slightly clayey, angular to subrounded, fine to coarse GRAVEL of suspected slag and suspected clinker with occasional sandstone, mudstone and brick. CW 0.30m - 1.50m : Mottled orange and red.	1
		1.00	SPT(S)	N=3 (1,0/0,1,1,1)	1.50	77.94		Recovered as soft, dark brown to dark grey, slightly gravelly, slightly sandy / ashy CLAY. Gravel is angular to subangular of fine to coarse suspected slag and suspected clinker with occasional mixed natural lithologies. CMG 1.80m - 1.90m : Dark grey to black, mottled ashy white, sandy / ashy, angular to subangular, fine to coarse gravel of suspected slag and suspected clinker. 1.90m - 2.25m : Gravel includes occasional red brick and glass.	
		2.00	SPT(S)	N=1 (1,0/1,0,0,0)	2.50	76.94		Recovered as dark grey to black, mottled reddish brown, slightly sandy / ashy, slightly clayey, angular to subrounded, fine to coarse GRAVEL of suspected slag and suspected clinker with occasional mixed natural lithologies and red brick. Occasional coarse gravel sized pockets of medium to coarse, reddish brown weathered suspected slag. CW 3.45m - 3.95m : Much of material washed out.	
		3.00	SPT(S)	N=6 (0,0/1,1,2,2)	3.95	75.49		Soft, reddish brown to brown, slightly sandy, slightly gravelly CLAY. Gravel is subangular to subrounded of fine to medium mixed natural lithologies. CGT	
		4.00	SPT(S)	N=15 (2,2/3,3,4,5)					4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm									0.00m 1.00m	1.00m 3.00m	PLAIN SLOTTED	50mm 50mm

Remarks
Inspection pit hand dug to 1.20m bgl.
Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
Terminated as target depth achieved.

Project Name: Ten Acres Lane				Client: NUVU Developments Ltd				Date: 11/04/2022							
Location: Newton Heath				Contractor: Geotron Ltd				Co-ords: E387376.44 N400295.16							
Project No. : LD10385				Drilling Equipment: Competitor Dart				Level : 79.44m AoD							
Logged By MS		Checked By JC		Approved By MP		SPT Energy Ratio 67%				Final Depth 5.45					
Instali. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description				Scale			
		Depth (m)	Type	Results											
		5.00	SPT(S)	N=16 (3,3/3,4,4,5)	5.45	73.99		Soft, reddish brown to brown, slightly sandy, slightly gravelly CLAY. Gravel is subangular to subrounded of fine to medium mixed natural lithologies. CGT				5			
End of Borehole at 5.45m												6			
												7			
												8			
												9			
Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm									0.00m 1.00m	1.00m 3.00m	PLAIN SLOTTED	50mm 50mm
Remarks Inspection pit hand dug to 1.20m bgl. Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%). Terminated as target depth achieved.															
Log printed on 13/09/2022 at 14:09															

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 12/04/2022	
Location: Newton Heath		Contractor: Geotron Ltd		Co-ords: E387363.25 N400209.53	
Project No. : LD10385		Drilling Equipment: Competitor Dart		Level : 78.64m AoD	
Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 5.45	

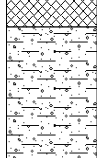
Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.10			0.10	78.54		Recovered as soft, dark brown to dark grey, sandy, gravelly CLAY with frequent roots and rootlets. Gravel is angular to rounded of fine to coarse sandstone and mudstone. TF	
		1.00	SPT(S)	N=24 (1,1/1,1,7,15)				Recovered as soft to firm, dark grey to black, slightly gravelly, sandy / ashy CLAY. Gravel is angular to subrounded of fine to coarse suspected slag and suspected clinker with occasional brick. CMG	1
		2.00	SPT(S)	N=0 (1,0/0,0,0,0)	2.00	76.64		1.90m : Strong hydrocarbon odour and slight oily sheen. Recovered as soft to firm, dark grey, slightly gravelly, sandy CLAY. Gravel is angular to subrounded of fine to coarse suspected slag and suspected clinker with occasional mixed natural lithologies. CMG	2
		2.80			2.80	75.84		2.50m - 2.80m : Mottled light grey and ashy.	
		3.00	SPT(S)	N=0 (1,0/0,0,0,0)				Recovered as dark brown, mottled reddish brown, slightly gravelly, sandy CLAY. Gravel is angular to subrounded of fine to coarse sandstone and mudstone. CMG	3
		4.00	SPT(S)	N=3 (1,0/1,1,0,1)				2.80m - 5.00m : Frequent lenses of dark grey, medium gravel of suspected slag and suspected clinker. 3.30m : Water has oily sheen with strong hydrocarbon odour.	
		4.45			4.45	74.19		Recovered as dark grey, slightly gravelly, sandy / ashy CLAY. Gravel is angular to subangular of fine to coarse suspected slag and suspected clinker with occasional mudstone and red brick. CMG	4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm									0.00m 2.00m	2.00m 5.00m	PLAIN SLOTTED	50mm 50mm

Remarks
 Inspection pit hand dug to 1.20m bgl.
 Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
 Terminated as target depth achieved.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 12/04/2022
Location: Newton Heath	Contractor: Geotron Ltd	Co-ords: E387363.25 N400209.53
Project No. : LD10385	Drilling Equipment: Competitor Dart	Level : 78.64m AoD

Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 5.45
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Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT(S)	N=18 (0,0/0,7,7,4)	5.00	73.64		Recovered as dark grey, slightly gravelly, sandy / ashy CLAY. Gravel is angular to subangular of fine to coarse suspected slag and suspected clinker with occasional mudstone and red brick. CMG	5
					5.45	73.19		Dark grey to reddish brown, slightly gravelly, sandy CLAY. Gravel is angular to subrounded of fine to coarse mixed natural lithologies. CMG End of Borehole at 5.45m	6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm									0.00m 2.00m	2.00m 5.00m	PLAIN SLOTTED	50mm 50mm

Remarks
Inspection pit hand dug to 1.20m bgl.
Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
Terminated as target depth achieved.

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 11/04/2022	
Location: Newton Heath		Contractor: Geotron Ltd		Co-ords: E387349.80 N400260.00	
Project No. : LD10385		Drilling Equipment: Competitor Dart		Level : 79.00m AoD	
Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 5.45	

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.30			0.30	78.70		Recovered as dark grey to black, sandy / ashy, angular to subrounded, fine to coarse GRAVEL of suspected clinker, suspected slag and mudstone with occasional roots and rootlets. TF	1
		0.70			0.70	78.30		Recovered as dark grey, mottled reddish brown and light grey, sandy / ashy, angular to subrounded, fine to coarse GRAVEL of suspected clinker, suspected slag and mudstone. CW	
		1.00	SPT(S)	N=5 (1,1/0,0,3,2)				Recovered as soft to firm, dark grey to black, mottled reddish brown, slightly gravelly, slightly sandy / ashy, CLAY. Gravel is angular to subrounded of fine to coarse suspected clinker, suspected slag and glass. CMG	
		2.00	SPT(S)	N=0 (1,0/0,0,0,0)				1.80m - 1.90m : Horizon of dark grey, mottled orangish brown, sandy / ashy, angular to subrounded, fine to coarse gravel of suspected slag and suspected clinker with occasional mudstone and red brick.	
		2.50			2.50	76.50		Recovered as wet, light grey to cream, slightly gravelly, slightly clayey SAND / ASH. Gravel is angular to subrounded of fine to coarse suspected clinker and suspected slag. CW	
		3.00	SPT(S)	N=1 (1,0/0,0,0,1)				2.80m - 3.45m : Dark grey, mottled dark brown.	3
		4.00	SPT(S)	N=13 (3,2/3,3,3,4)					
		4.20			4.20	74.80		Recovered as soft to firm, wet, grey to brown, mottled reddish brown, slightly gravelly, slightly sandy / ashy CLAY. Gravel is angular to subrounded of fine to coarse suspected slag, suspected clinker and sandstone. CMG	
		4.75			4.75	74.25		4.45m - 4.75m : Material washed out. Recovered as brown to dark grey, sandy, slightly clayey / silty, angular to subrounded, fine to coarse GRAVEL of red brick, suspected slag, suspected clinker and occasional mudstone. CW	4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm												

Remarks
Inspection pit hand dug to 1.20m bgl.
Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
Terminated as target depth achieved.

Project Name: Ten Acres Lane	Client: NUVU Developments Ltd	Date: 11/04/2022
Location: Newton Heath	Contractor: Geotron Ltd	Co-ords: E387349.80 N400260.00
Project No. : LD10385	Drilling Equipment: Competitor Dart	Level : 79.00m AoD

Logged By MS	Checked By JC	Approved By MP	SPT Energy Ratio 67%	Final Depth 5.45
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Instal. / Back fill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT(S)	N=14 (1,3/2,4,3,5)	5.45	73.55		Recovered as brown to dark grey, sandy, slightly clayey / silty, angular to subrounded, fine to coarse GRAVEL of red brick, suspected slag, suspected clinker and occasional mudstone. CW 5.00m - 5.20m : Soft, reddish brown, slightly sandy, slightly gravelly CLAY. Gravel is angular to subrounded of fine to medium sandstone and mudstone.	5
								End of Borehole at 5.45m	6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
5.00m	115mm	5.00m	115mm												

Remarks
 Inspection pit hand dug to 1.20m bgl.
 Approximate percentage by volume quantifiers as follows; rare (<5%), occasional (5-20%), frequent (20-40%) and abundant (>40%).
 Terminated as target depth achieved.

Trial Pit Log

TRIAL PIT REFERENCE

TP101

Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 08/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387604.00 N400160.00	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 3.20m
Logged By LT	Checked By JC	Approved By MP	Level 81.96m AoD	4.40m 1.30m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.20			0.20	81.76		Dark brown, silty, very clayey, fine SAND. TF	1
		0.50	ES					Recovered as 60% cobble sized red brick fragments (some cemented together); 30% brown, gravelly, clayey, fine to coarse SAND; 5% plastic material including sheeting; 5% timber beams (up to 2m long). Gravel is subangular to subrounded fine to coarse brick and concrete. DW	
		1.00			1.00	80.96		Recovered as 60% grey, very sandy, very clayey GRAVEL; 25% whole and half red bricks and cobble sized concrete paving slab fragments; 5% cobble to boulder sized suspected slag fragments; 5% metal and plastic pipes; 5% cloth and other plastic items including rubbish bags. Gravel is angular to subangular of fine to coarse brick, concrete and mixed lithologies HW	
		1.50	ES					1.00m : 1 No. Concrete block (1.0m x 0.6m x 0.5m).	
								1.90m : Fast ingress of water with strong odour of white spirit and rotten egg.	2
								2.20m : Plastic items include tubes, polystyrene boxes, and food wrappers.	3
					3.20	78.76		Base of Excavation at 3.20m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

General Remarks

Terminated due to water in excavation. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP102
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 08/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387592.30 N400197.24	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions : 5.20m	Final Depth: 3.30m
Logged By LT	Checked By JC	Approved By MP	Level 82.60m AoD	1.70m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.20			0.20	82.40		Firm, dark brown, slightly sandy, silty CLAY. Sand is fine. TF	1
		0.50	ES					Recovered as 80% firm, brown, slightly sandy, gravelly CLAY; 10% whole and half red bricks; 10% cobble sized concrete slabs fragments. Gravel is subangular to subrounded of fine to coarse of mixed lithologies. CMG	
		1.00			1.00	81.60		Recovered as 45% light brown, very sandy, very clayey GRAVEL; 35% cobble sized fragments of red brick; 10% metal sheets, bars and tools, 5% plastic bags, pipes and cables; 5% timber pieces (up to 2m length). Gravel is angular to subangular of fine to coarse mixed lithologies. DW	
		1.60	ES						
		2.50			2.50	80.10		2.40m : Vitreous sheen on water surface with strong rotten egg odour and weak white spirit odour. Recovered as 40% whole and half red bricks; 20% metal sheets, bars and tools; 20% timber pieces (up to 2m length); 10% plastic bags, pipes and cables; 5% light brown, very sandy, very clayey GRAVEL; and 5% wooden boards. Gravel is angular to subangular of fine to coarse mixed lithologies. DW	
		3.30			3.30	79.30		Base of Excavation at 3.30m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks

General Remarks
Terminated due to multiple collapses of the excavation walls. Unstable from 1.5m. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

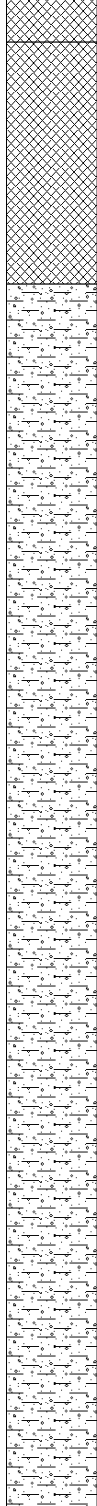
Trial Pit Log

TRIAL PIT REFERENCE

TP103

Sheet 1 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 16/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire Ltd		Co-ords: E387898.72 N400401.14	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 5.30m
Logged By ZH	Checked By JC	Approved By MP	Level 84.72m AoD	3.70m 3.00m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.60 – 1.80 0.60	B HSV	67kPa	0.15	84.57		Recovered as soft, dark brown, slightly sandy, slightly gravelly CLAY with abundant roots and rootlets. Gravel is angular to subrounded of fine to coarse red brick and plastic. Sand is fine. TF Recovered as 45% cobble to boulder sized inclusions of soft to stiff, light brown mottled orangish brown and light grey, slightly sandy, slightly gravelly CLAY; 40% whole and half red brick; 10% roots and rootlets; and 5% plastic and rubber fragments. Gravel is angular to rounded of fine to coarse red brick, mudstone, crystalline rocks and rounded pebbles. DW <i>0.50m - 0.96m : In the northern side of the excavation clay comes in at 0.5m. In the southwestern side of the excavation clay comes in at 0.96m.</i>	1
		1.80	HSV	68kPa	0.95	83.77		Firm to stiff, light brown mottled light grey and orangish brown in places, slightly sandy, slightly gravelly CLAY. Gravel is angular to rounded of fine to coarse gritstone, white sandstone, mudstone, coal, red sandstone and crystalline rocks. Sand is fine. CGT <i>0.96m : Fast ingress of water from rounded brick structure, in the southwestern side of the excavation.</i>	
		4.50 – 5.30 4.60	B HSV	110kPa				<i>4.50m - 5.30m : Become very stiff to hard and no longer mottled orangish brown and light grey.</i>	

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks
 Terminated due to maximum reach of the machine. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP103
Sheet 2 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 16/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire Ltd		Co-ords: E387898.72 N400401.14	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 5.30m
Logged By ZH	Checked By JC	Approved By MP	Level 84.72m AoD	3.70m 3.00m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					5.30	79.42		Firm to stiff, light brown mottled light grey and orangish brown in places, slightly sandy, slightly gravelly CLAY. Gravel is angular to rounded of fine to coarse gritstone, white sandstone, mudstone, coal, red sandstone and crystalline rocks. Sand is fine. CGT Base of Excavation at 5.30m	6
									7
									8
									9

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

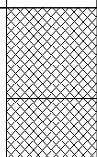
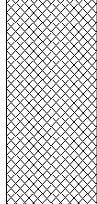
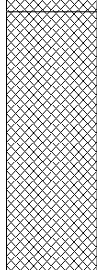
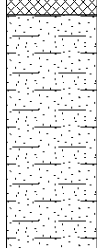
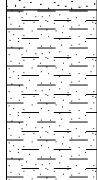
General Remarks

Terminated due to maximum reach of the machine. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP104
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 09/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387525.00 N400404.00	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 3.50m
Logged By ZH	Checked By JC	Approved By MP	Level 83.88m AoD	4.30m 1.30m	Orientation °

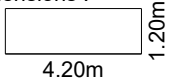
Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.30	83.58		Recovered as 60% cobble to boulder sized inclusions of soft, brown, slightly sandy, gravelly CLAY; 10% cobble sized red brick and concrete fragments; 10% cobble sized ceramic fragments; 10% tree roots; and 10% other materials including glass, timber and plastic. Gravel is angular to subrounded fine to coarse red brick, slate, concrete, sandstone and mixed lithologies. TF	1
					1.20	82.68		Recovered as 40% cobble to boulder sized fragments of red brick, concrete and paving slabs; 20% brown, sandy, angular to rounded, fine to coarse GRAVEL of mixed lithologies; 15% cobble sized inclusions of stiff, brown CLAY; 10% wooden fencing; 10% metal pipes; 5% other materials including fabric, glass and nails. DW	
		1.80 1.80	ES		2.10	81.78		Recovered as 40% cobble to boulder sized inclusions of soft, wet, grey, gravelly CLAY; 20% cobble sized timber fragments; 10% cobble sized metal fragments; 10% cobble sized red brick and concrete fragments; 10% cobble sized inclusions of damp, light grey, slightly clayey, fine to coarse SAND; 10% cobble to boulder sized inclusions of soft, orangish brown, slightly gravelly CLAY. DW <i>1.20m : Water seeping from southern edge of pit.</i> <i>1.80m : 2.20m : Collapse of eastern face of the excavation.</i>	2
					2.90	80.98		Wet, light brown, slightly clayey, fine to medium SAND. GGT <i>2.10m : Rapid ingress of water from NNW corner of the excavation.</i>	
					3.50	80.38		Firm, brown, slightly sandy CLAY. CGT	
								Base of Excavation at 3.50m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable at 3.5m bgl.						

General Remarks
Terminated due to instability. Unstable from 3.5m.
Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP105
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 08/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387476.10 N400327.90	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 3.00m
Logged By ZH	Checked By JC	Approved By MP	Level 83.01m AoD		Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.00 – 0.60	ES					Recovered as 40% soft, orangish brown, slightly sandy, gravelly CLAY; 30% whole and half red bricks; 10% cobble and boulder sized concrete, paving slab and chimney pot fragments; 10% metal bars and ceramic bowls; 5% plastic pipes and black bin bags; and 5% roots and rootlets. Gravel is angular to subrounded of fine to coarse mixed lithologies. HW <i>0.50m - 2.00m : Collapse of the eastern face of the excavation.</i>	1
		0.60	ES		0.60	82.41		Recovered as 40% firm, dark grey, slightly sandy, gravelly CLAY; 20% whole and half red bricks; 10% boulders sized concrete fragments (0.49m x 0.2m x 0.3m); 10% plastic cement bags, pipes and wrappers; 10% metal pieces including old engine parts, drinks cans, hooks; 10% timber including laths and fencing panels. Gravel is subangular to rounded fine to coarse red brick, suspected clinker and mixed lithologies. DW	
					0.90	82.11		Recovered as 50% reddish brown, sandy GRAVEL; 20% whole and half red bricks, 15% plastic fragments including crates; 10% metal bars; and 5% wooden fencing fragments. Gravel is angular to subangular of fine to coarse mudstone, suspected clinker and mixed lithologies. DW	
					1.20	81.81		Recovered as 60% damp, light brown, fine to coarse SAND; 20% cobbles sized sandstone and concrete fragments; 20% gravel to boulder sized inclusions of soft, orangish brown, slightly gravelly CLAY. Gravel is subrounded of fine to coarse mixed lithologies. GMG	
					1.40	81.61		Brown, fine to coarse SAND. GGT	
					3.00	80.01		Base of Excavation at 3.00m	3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks

General Remarks
Achieved target depth. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP107
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 09/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387524.00 N400340.00	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 4.70m
Logged By LT	Checked By JC	Approved By MP	Level 83.91m AoD	4.10m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.20	83.71		Recovered as 40% tree roots; 30% stiff, orangish brown CLAY; 30% cobble sized red brick and concrete fragments. TF	
					0.70	83.21		Recovered as 50% cobble to boulder sized fragments of red brick, concrete and paving slabs; 20% brown, slightly sandy, slightly clayey GRAVEL; 10% plastic sheeting; 10% metal including paint cans and tins; 5% fabric materials; 5% cobble sized ceramic fragments. Gravel is angular to subrounded of fine to coarse mixed lithologies. DW <i>0.50m - 1.70m : Multiple collapses of excavation.</i>	1
					1.70	82.21		Recovered as 25% cobbles to boulder sized fragments of red brick and concrete, 20% cobble sized metal fragments (including pipe; 3m long x 50mm diameter); 20% cobble sized ceramic fragments; 20% miscellaneous objects including shoes, polystyrene, plastic sheeting, fabric, foam; and 5% dark brown, slightly clayey, angular to subrounded, fine to coarse GRAVEL of mixed lithologies. HW	2
					3.20	80.71		Recovered as 70% firm, dark brown CLAY; 20% miscellaneous items including glass, plastic, red brick and concrete; 10% cobble to boulder sized timber fragments (including large pieces in-situ). CMG	3
					4.00	79.91		Recovered as 70% damp, black, gravelly, slightly clayey, fine to coarse SAND; 20% cobble to boulder sized fragments of red brick, concrete, plastic and metal; 10% miscellaneous items including metal rods and plastic sheeting. Gravel is subangular to subrounded of fine to coarse concrete, slate, suspected slag, suspected clinker and mixed lithologies. Slight odour. DW	4
					4.70	79.21		Recovered as 40% boulders sized concrete fragments; 30% timber fragments (up to 1.2m in length); 20% wet, black, slightly sandy, slightly clayey GRAVEL of red brick, ceramic and mixed lithologies. Black staining noted. DW	
								Base of Excavation at 4.70m	

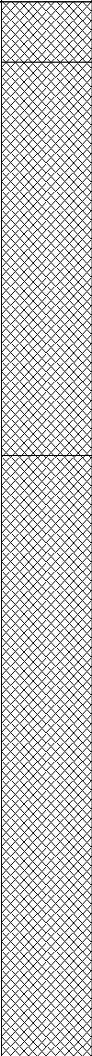
Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

General Remarks
Achieved target depth. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP108
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 07/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E897373.10 N400339.60	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 3.50m
Logged By LT	Checked By JC	Approved By MP	Level 79.50m AoD	4.80m 1.40m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.20	79.30		Firm, dark brown, slightly sandy, silty CLAY with frequent rootlets. TF	1
								Recovered as 80% firm, dark brown, slightly sandy, slightly gravelly CLAY; 15% whole and half red bricks and cobble sized concrete fragments; 5% cobble sized ceramic fragments. Gravel is subangular of fine to coarse red brick and coal. CMG	
		1.00	ES						
		1.20	HSV	29kPa					
		1.20	HSV	40kPa					
		1.20	HSV	56kPa					
					1.50	78.00		Recovered as 80% soft, dark grey, slightly gravelly, silty CLAY; 10% cobble sized timber fragments; 5% metal tins; 5% whole and half red bricks. Gravel is subangular of fine to coarse coal. Slight hydrocarbon odour. CMG	
		2.00	ES					1.50m : Slight seepage of water on southern face of the excavation.	
		2.20	HSV	10kPa				2.20m : Water ingress from northern face of the excavation. Strong hydrocarbon (tar) odour.	
		2.20	HSV	12kPa					
		2.20	HSV	24kPa					
		2.30	ES						
		3.20	HSV	100kPa					
		3.20	HSV	120kPa					
		3.20	HSV	120kPa					
					3.50	76.00		Base of Excavation at 3.50m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks

General Remarks
Achieved target depth. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE

TP109

Sheet 1 of 1

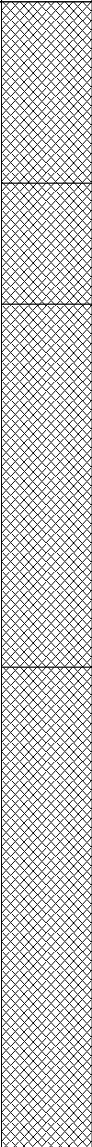
Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 08/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire Ltd		Co-ords: E387416.00 N400271.00	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 1.20m
Logged By ZH	Checked By JC	Approved By MP	Level 80.06m AoD	3.90m 3.10m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		1.10 1.10	ES	0.00ppmv	0.20 0.60 0.80 1.20	79.86 79.46 79.26 78.86		Brown, slightly gravelly, slightly clayey SAND with abundant rootlets. Gravel is angular to subangular of fine to medium mixed lithologies. TF Recovered as 50% black, slightly sandy, slightly clayey GRAVEL; 20% boulders sized orangish brown sandstone fragments fused with thin plastic sheet; 10% whole and half red brick; 10% plastic; and 10% cobble sized hard, white, suspected chalk fragments. Gravel is angular to subrounded of suspected clinker, red brick and suspected white chalk. CW Recovered as 70% soft, white, slightly sandy, slightly gravelly CLAY; and 30% cobble sized inclusions of hard, white, suspected chalk. Gravel is subangular to subrounded of fine to medium suspected chalk. CMG Recovered as 30% light grey, slightly sandy, slightly clayey, angular to rounded, fine to coarse GRAVEL of suspected clinker; 30% light grey, slightly sandy, slightly clayey GRAVEL; 20% cobble to boulder sized inclusions of firm, brown, slightly sandy, slightly gravelly CLAY; and 20% cobble to boulder sized red brick and concrete fragments. Gravel is subangular to subrounded of fine to coarse metal (30%), plastic (20%), wood (10%), and mixed lithologies (40%). CW Base of Excavation at 1.20m	1 2 3 4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks
 Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 19/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire Ltd		Co-ords: E387503.81 N400237.16	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 3.80m
Logged By ZH	Checked By JC	Approved By MP	Level 82.83m AoD	3.80m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.60 – 2.20	ES		0.60	82.23		Black, silty, clayey fine to medium SAND with frequent rootlets. TF <i>0.00m - 1.20m : Collapse of northern wall.</i>	1
		1.20		1.80ppmv	1.00	81.83		Recovered as 30% reinforced concrete pillars (2.0m x 0.2m x 0.2m) and slabs (1.2m x 0.6m x 0.2m); 15% whole and half red brick; 15% cobble sized inclusions of dark brown, slightly gravelly, sandy CLAY; 10% roots and rootlets; 5% cobble sized plastic fragments; 5% rubber soles; 5% cobble sized ceramic fragments; 5% cobble sized glass fragments; 5% cobbles sized metal fragments; 5% cobbles sized grey pumice fragments. Sand is fine to medium. Gravel is subangular to subrounded of fine to coarse red brick, concrete, timber and suspected clinker. DW <i>0.80m : Slight putrid odour.</i>	
					2.20	80.63		Recovered as 20% metal (old fridge and cooker, wire, fencing, tinfoil); 20% plastic (strips, wrappers, toys, sheeting, bags); 15% wood (fence posts and fragments); 15% loose, brown, slightly sandy, clayey GRAVEL; 10% cobble to boulders sized black, tarmacadam fragments; 5% rubber (piping); 5% fabric; 5% roots and rootlets; and 5% cobbles to boulder sized concrete fragments. Gravel is angular to subrounded of fine to coarse red brick, concrete, glass, wood, tarmac, slate and sandstone. HW	
		3.10 – 3.40	ES					Recovered as 20% metal (pipes, sheets, bars); 15% wooden planks; 15% tyres; 10% sandstone boulders (1.2m x 0.6m x 0.7m); 10% whole and half red brick; 10% cobbles to boulder sized concrete fragments; 10% tree fragments (branches and twigs); 10% wet, stained black, slightly sandy, very clayey GRAVEL; 5% glass bottles; and 5% polystyrene. Gravel is subangular to subrounded of fine to coarse mixed lithologies. DW <i>2.20m : Singular metal drum-like object, stained black with hydrocarbon odour.</i> <i>2.20m - 2.22m : Hard digging; layer of red bricks.</i> <i>2.20m - 3.80m : All stained black with oily sheen. Multiple collapses of excavation walls.</i> <i>3.10m : Fast ingress of water. Water is dark grey with oily sheen and brown frothy scum. Hydrocarbon odour.</i>	
		3.30		13.80ppmv				<i>3.50m - 3.55m : Increase in paving slabs.</i> <i>3.60m - 3.65m : Increase in metal sheets.</i>	3
					3.80	79.03		Base of Excavation at 3.80m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable	None					

General Remarks

Terminated due to multiple collapses of excavation walls. Dimensions given in length x width x depth.
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE

TP111

Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 08/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387581.00 N400151.00	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 3.10m
Logged By LT	Checked By JC	Approved By MP	Level 81.91m AoD	4.80m 1.60m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.15			0.15	81.76		Firm, dark brown, slightly sandy silty CLAY. TF	1
		0.60	ES					Recovered as 80% whole and half red bricks, cobble sized breeze blocks and concrete; 15% brown, sandy clayey, angular to subangular, fine to coarse GRAVEL of concrete and red brick; 5% cobble sized timber fragments. DW 0.40m - 4.10m : Unstable.	
		1.50	ES					1.60m : 2 No. 2m long pieces of reinforced concrete. 1.70m : 2 No. 2m long pieces of reinforced concrete with re-bar. 1.80m : 1 No. metal box (1m x 2m x 1m), broken with white spirit odour.	
		1.90			1.90	80.01		Recovered as 50% boulder sized concrete and slag fragments; 25% cobble to boulder sized inclusions of brown, slightly gravelly sandy CLAY; 10% timbers beams (up to 1m length); 10% whole and half red brick and cobble sized paving slab fragments; 5% polystyrene and plastic sheeting. Gravel is subangular of fine to coarse red brick. DW 1.90m - 3.10m : Hard digging. 2.30m : Ingress of water with strong odour of rotten egg.	2
		3.10			3.10	78.81		Base of Excavation at 3.10m	3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable from 0.4m bgl.						

General Remarks
 Terminated due to multiple collapses of excavation walls. Unstable from 2.5m bgl.
 Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE

TP112

Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 08/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387604.00 N400190.00	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 4.30m
Logged By LT	Checked By JC	Approved By MP	Level 82.32m AoD	5.10m	Orientation °

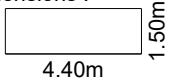
Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.20			0.20	82.12		Firm, dark brown, slightly sandy, silty CLAY with frequent rootlets. Sand is fine. TF	1
		0.50	ES		0.65	81.67		Firm, brown, slightly sandy, slightly gravelly CLAY with frequent roots. Gravel is subangular to subrounded fine to coarse of mixed lithology. Sand is fine to coarse. TF	
		1.80	ES					Recovered as 40% brown, very gravelly, clayey SAND; 10% whole and half red house bricks; 10% glass window fragments and bottles; 10% plastic and metal pipes ; 10% sheet metal and pipes; 10% concrete blocks; 5% plastic bags and tubs; 5% wooden timbers (up to 2m in length). Gravel is subangular to subrounded fine to coarse brick and concrete. DW	
		2.60			2.60	79.72		Recovered as 35% whole and broken red house bricks; 10% glass window fragments and bottles; 10% plastic and metal pipes; 10% sheet metal and pipes; 5% concrete blocks; 5% plastic bags and tubs; 5% wooden timbers (up to 2m in length) in a matrix of 20% brown, clayey SAND. DW <i>2.70m : Water strike with strong rotten egg and slight white spirit odour. Vitreous sheen on surface.</i> <i>3.10m - 4.30m : Frequent large boulders of concrete.</i>	3
		4.30			4.30	78.02		Base of Excavation at 4.30m	4

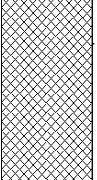
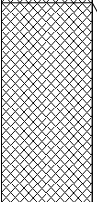
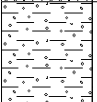
Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks

General Remarks
 Terminated due to multiple collapses of excavation walls. Unstable from 2.5m bgl.
 Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP113
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 13/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387649.80 N400236.30	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 4.00m
Logged By ZH	Checked By JC	Approved By MP	Level 83.90m AoD		Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.40	ES		0.20	83.70		Very soft, dark brown, slightly sandy, slightly gravelly CLAY with frequent rootlets. Gravel is subangular to subrounded of fine to coarse of mixed lithologies. TF	1
								Recovered as 45% brown, slightly sandy, slightly clayey GRAVEL; 15% wet, brown, slightly sandy, slightly gravelly CLAY; 15% plastic (including wrapping, bags and panels); 15% whole and half brick; 5% boulders sized concrete fragments; and 5% boulders sized red brick wall fragments. Gravel is angular to subrounded fine to coarse red brick, glass, wood, metal and sandstone. Rotten egg odour. DW 0.40m : Concrete obstruction in SW face of the excavation.	
					1.40	82.50		Recovered as 80% orange, medium to coarse SAND; 10% whole and half red brick; 10% boulders sized sandstone fragments. GMG	2
					1.60	82.30		Recovered as 25% plastic drums (0.7m x 0.4m), bags of 'sternite' (chemical product), pipes, wrapping; 15% dark brown, slightly sandy, clayey GRAVEL; 15% whole and half red brick; 10% cobbles sized sandstone fragments (stained black); 10% cobble sized timber fragments; 10% metal bars and rods; 5% pieces of fabric; 5% glass bottles; 5% polystyrene. Gravel is subangular to subrounded of fine to coarse red brick, glass, wood, concrete and sandstone. DW	
		3.60 – 4.00	B		3.60	80.30		Stiff to very stiff, slightly sandy, slightly gravelly CLAY with medium cobble content. Cobbles are subrounded of mixed natural lithologies. Gravel is angular to subrounded of fine to medium mixed natural lithologies. CGT	3
		3.70	HSV	120kPa					
		3.70	HSV	90kPa					4
		3.70	HSV	98kPa					
					4.00	79.90		Base of Excavation at 4.00m	

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks

General Remarks
Achieved target depth. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP114
Sheet 1 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 14/10/2020	
Location: Newton Heath		Contractor: John Cooper		Co-ords: E387695.68 N400262.66	
Project No. : LD10385		Excavator:		Dimensions :	Final Depth: 5.10m
Logged By ZH	Checked By JC	Approved By MP	Level 84.50m AoD	4.00m 1.80m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.65 – 0.70	ES					Recovered as 55% boulder sized concrete fragments (0.9mx2.3x1.2m); 20% cobble to boulder sized inclusions of very soft, dark brown, slightly gravelly, silty CLAY; 10% cobble sized red brick, concrete, slate and sandstone fragments; 10% roots and rootlets; 5% plastic, string and cobble sized suspected slag and timber fragments. Gravel is subangular to subrounded of fine to coarse suspected slag, red brick, timber and mixed lithologies. DW	1
		0.90		0.50ppmv	0.90	83.60		Recovered as 50% cobble to boulder sized red brick wall and concrete fragments; 15% metal (wires); 15% plastic (including bottles, plastic sheeting, rubber and HDPE fragments); 10% cobble sized inclusions of firm, brown, slightly gravelly CLAY; 10% cobble sized inclusions of firm, brown, slightly sandy, very gravelly CLAY; 5% cobble sized glass fragments; 5% timber planks. Gravel is subangular to subrounded of fine of coarse red brick, ceramic, glass, timber, suspected slag and sandstone DW <i>0.90m : Foul odour.</i>	
					1.80	82.70			
					2.10	82.40		Recovered as 40% cobble sized fragments of red brick; 30% cobble sized fragments of purple slate; 15% cobble to boulder sized pockets of brown, silty slightly clayey GRAVEL; 5% plastic (sheeting); 5% timber (planks); and 5% ceramic. Gravel is angular to subrounded of fine to coarse red brick, purple slate, glass, wood and ceramic. DW <i>1.80m - 2.20m : Hard digging.</i>	
								Recovered as 20% whole and half red bricks; 20% cobble to boulder sized inclusions of stiff to very stiff, brown, slightly gravelly CLAY; 20% brown, slightly clayey, silty, subangular to subrounded, fine to coarse GRAVEL of red brick, ceramic, glass, timber and mixed lithologies; 10% timber planks; 10% plastic (bottles, bags, sheeting and HDPE fragments); 5% cobble sized slate fragments; 5% paper; 5% cobble sized glass fragments; 5% cobble sized ceramic fragments; 5% cobbles to boulder sized concrete fragments. Gravel is angular to rounded of fine to coarse mixed lithologies. DW	
		3.35 – 3.40 3.40	ES		3.40	81.10		Recovered as 35% cobbles to boulder sized sandstone fragments; 10% soft brown CLAY; 30% orangish brown, black and white in places, fine to coarse SAND; 10% white, coarse SAND; 5% cobble sized slate fragments; 5% timber planks; and 5% plastic (sheets). DW	
		3.55 – 3.60 3.60 3.60 3.60 3.60	ES HSV HSV HSV	38kPa 45kPa 52kPa 0.40ppmv				Soft to firm, brown, stained black, slightly sandy, slightly gravelly CLAY. Gravel is angular to rounded of fine to coarse mixed lithologies. CGT <i>3.40m : Hydrocarbon odour.</i>	

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks
Achieved target depth. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP114
Sheet 2 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 14/10/2020	
Location: Newton Heath		Contractor: John Cooper		Co-ords: E387695.68 N400262.66	
Project No. : LD10385		Excavator:		Dimensions :	Final Depth: 5.10m
Logged By ZH	Checked By JC	Approved By MP	Level 84.50m AoD	4.00m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					5.10	79.40		Soft to firm, brown, stained black, slightly sandy, slightly gravelly CLAY. Gravel is angular to rounded of fine to coarse mixed lithologies. CGT Base of Excavation at 5.10m	6
									7
									8
									9

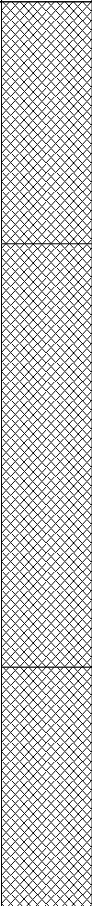
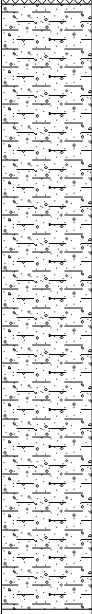
Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks
Achieved target depth. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP115
Sheet 1 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 13/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire Ltd		Co-ords: E387680.00 N400222.00	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 5.20m
Logged By ZH	Checked By JC	Approved By MP	Level 83.20m AoD	3.80m 2.70m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.40 0.40 0.40	ES	0.20ppmv	0.80	82.40		Recovered as 40% brown, slightly sandy, very clayey GRAVEL; 15% roots and rootlets; 15% cobble sized red brick fragments; 10% plastic sheeting; 10% cobble sized timber fragments; and 10% fabric. Gravel is subangular to subrounded of fine to coarse red brick and slate. GMG	1
								Recovered as 30% copper wires with rubber covering (20mm diameter); 30% whole and half red bricks; 10% cobble sized slate and sandstone fragments; 10% loose, brown, slightly sandy, slightly clayey GRAVEL; 5% cobble sized timber fragments; 5% cobble sized glass fragments; 5% cobble sized ceramic fragments; and 5% roots. Gravel is subangular to subrounded of fine to coarse glass, ceramic, red brick and concrete. DW	
								Recovered as 20% brown, slightly sandy GRAVEL; 15% cobble to boulder sized metal fragments (corrugated pipes up to 2m length); 15% whole and half red bricks; 10% boulders sized red brick wall, concrete and sandstone fragments; 10% cobble sized timber fragments; 10% fabric (cloths and clothing); 10% plastic (sheeting and containers); 5% cobble sized ceramic fragments; 5% cobble sized polystyrene and glass fragments. Gravel is angular to rounded of fine to coarse mixed lithologies. HW	
		3.20	HSV	74kPa	3.00	80.20		Firm to stiff, brown, mottled grey, slightly sandy, slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded of mixed natural lithologies. CGT	
		4.80	B						4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks
Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE

TP115

Sheet 2 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 13/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire Ltd		Co-ords: E387680.00 N400222.00	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 5.20m
Logged By ZH	Checked By JC	Approved By MP	Level 83.20m AoD	3.80m 2.70m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					5.20	78.00		Firm to stiff, brown, mottled grey, slightly sandy, slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded of mixed natural lithologies. CGT Base of Excavation at 5.20m	6
									7
									8
									9

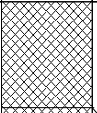
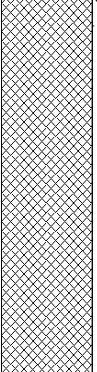
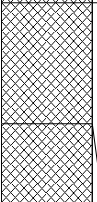
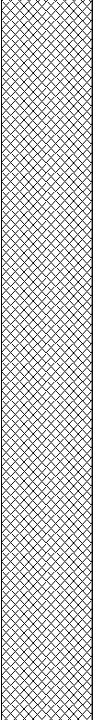
Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks
 Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP116
Sheet 1 of 1

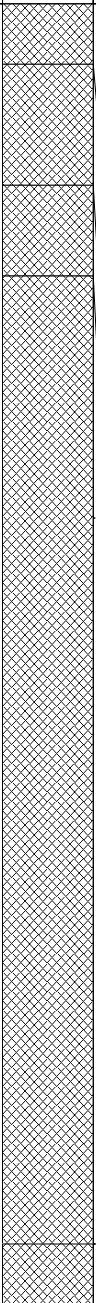
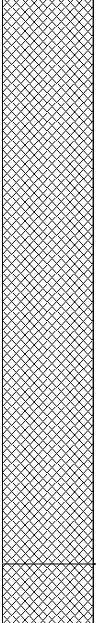
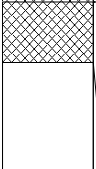
Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 13/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387661.00 N400258.00	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 4.90m
Logged By ZH	Checked By JC	Approved By MP	Level 84.30m AoD	4.30m 1.30m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.35	83.95		Recovered as 40% soft, reddish brown, sandy CLAY; 30% multicoloured, subangular to rounded GRAVEL of mixed natural lithologies; 20% cobbles of mixed natural lithologies; 10% boulders sized crystalline rock fragments. Sand is fine to medium. GMG	1
					1.60	82.70		Recovered as 40% soft, brown, slightly sandy, gravelly CLAY; 20% boulders sized red brick wall fragments; 15% multicoloured, subangular to subrounded, fine to coarse GRAVEL of coal, red brick, wood, ceramic, sandstone, mudstone and mixed lithologies; 5% plastic sheeting and wrapping; 5% metal objects; 5% cobble sized inclusions of soft to firm, brown, mottled light grey, slightly sandy, slightly gravelly CLAY; 5% glass fragments and bottles; 5% fabric; 5% polystyrene. Gravel is angular to subrounded of fine to medium siltstone and mixed lithologies. Sand is fine to medium. DW <i>0.35m - 0.45m : 3 No large boulders (3m x 2.5m x 0.25m), (3.5m x 2.5m x 0.7m), (1.5m x 1m x 0.4m).</i>	
		2.20 2.20	ES		2.00	82.30		Recovered as 20% metal objects including frames, chains and pipes; 15% brown, slightly sandy slightly clayey GRAVEL; Sand is fine to medium; 15% whole and half red brick; 15% plastic sheeting, wrapping and containers; 15% boulder sized concrete red brick fragments; 10% cobble sized timber fragments; 5% cobble sized glass fragments and 5% cobble sized ceramic fragments. Gravel is angular to rounded of fine to coarse slate, timber, coal, red brick, concrete, ceramic and sandstone. DW	2
								Recovered as 15% brown, slightly sandy, slightly clayey GRAVEL; 15% tyres; 15% boulder sized concrete fragments (1m x 0.2m x 0.5m); 15% metal objects including car parts, bars and pipes; 10% plastic sheeting, crates and wrapping; 10% cobbles and boulder sized sandstone fragments; 10% wooden planks and fragments; 10% cobble sized glass and ceramic fragments. Gravel is angular to rounded of fine to coarse slate, wood, coal, red brick, concrete, ceramic and sandstone. Sand is fine to medium. DW	3
								Stiff to very stiff, brown, slightly sandy, slightly gravelly CLAY. Gravel is angular to rounded of fine to medium of mixed lithologies. Sand is fine to medium. CGT <i>4.70m : Slight water ingress from base of made ground.</i>	4
Base of Excavation at 4.90m									

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks

General Remarks
Achieved target depth. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

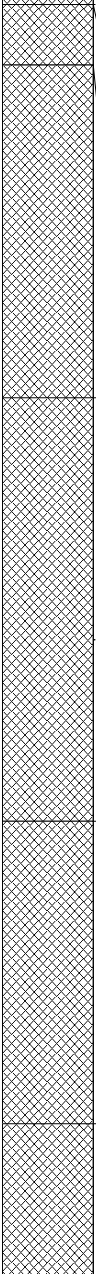
Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 15/10/2020	
Location: Newton Heath		Contractor: Geotron UK		Co-ords: E387808.49 N400448.33	
Project No. : LD10385		Excavator:		Dimensions :	Final Depth: 4.30m
Logged By ZH	Checked By JC	Approved By MP	Level 85.46m AoD	4.00m 1.80m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale	
		Depth (m)	Type	Results						
		1.70 – 1.75 1.70	ES	0.40ppmv	0.20	85.26		Recovered as 55% cobble to boulder sized inclusions of soft to stiff, dark brown, slightly sandy, gravelly CLAY; 10% tree roots; 10% whole and half red brick; 10% plastics (sheeting and bags); 10% cobble sized timber fragments; and 5% boulder sized fragments of concrete (0.5mx0.4mx0.3m). Gravel is angular to rounded of fine to coarse red brick, crystalline rock, wire, wood and mixed lithologies. TF	1	
					0.60	84.86		Recovered as 60% cobble to boulder sized inclusions of very soft to soft, brown, slightly sandy, slightly gravelly CLAY; 15% roots; 10% rounded cobbles of mixed natural lithologies; 5% whole and half red brick; 5% laminate flooring; and 5% cobble sized ceramic fragments. Gravel is angular to rounded of fine to coarse ceramic, red sandstone, crystalline rocks, rounded pebbles and mixed lithologies. CMG		
					0.90	84.56		Recovered as 65% multicoloured, sandy GRAVEL; 20% whole and half red brick; 10% cobble sized inclusions of firm, brown CLAY; and 5% roots and rootlets. Gravel is angular to subrounded of fine to coarse red mudstone, red brick and shale. CS		
								Recovered as 55% cobble to boulder sized inclusions of soft to very soft, wet, reddish brown, stained black, slightly sandy, gravelly CLAY; 15% cobble sized timber fragments; 15% whole and half red brick; 10% roots and rootlets; and 5% cobble sized glass fragments. Gravel is angular to subrounded of fine to coarse glass, wood suspected clinker, red brick, concrete and ceramics. Hydrocarbon odour CMG <u>1.70m : Hydrocarbon odour.</u>		
		3.60		5.00ppmv					2	
			4.20 4.20 – 4.25	ES		4.10	81.36		Recovered 40% cobble and boulder size inclusions of soft to firm, wet, black and dark grey CLAY; 15% cobble sized metal fragments; 10% glass fragments (bottles); 10% cobble sized timber fragments; 10% whole and half red brick; 10% straw; and 5% cobble sized plastic fragments. Very strong hydrocarbon odour. DW <u>4.10m : Fast ingress of water from the western face of the excavation. Hydrocarbon odour.</u>	4
					4.30	81.16				
Base of Excavation at 4.30m										

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable	None					

General Remarks
Terminated due to multiple collapse and water ingress. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Resting water level.

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 15/10/2020	
Location: Newton Heath		Contractor: Geotron UK		Co-ords: E387737.04 N400362.57	
Project No. : LD10385		Excavator:		Dimensions :	Final Depth: 4.50m
Logged By ZH	Checked By JC	Approved By MP	Level 85.85m AoD	4.00m 1.80m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.50 – 0.55 0.50	ES	0.20ppmv	0.30	85.55		Recovered as 45% cobble to boulder sized inclusions of dark brown, slightly sandy, slightly gravelly CLAY; 25% boulder sized PVC door fragments; 20% rootlets and roots (up to 60mm diameter); 5% plastic bin bags; 5% whole and half red brick. Gravel is angular of fine to coarse red brick, shale and mixed lithologies. HW	1 2 3 4
					0.50	85.35		Recovered as 45% multicoloured, slightly sandy GRAVEL; 35% whole and half red bricks; and 20% cobble sized ceramic fragments. Gravel is angular to subangular red brick, ceramic, glass, plastic and mixed lithologies. DW <i>0.30m : Two large boulders (1.2m x 0.2m x 0.7m).</i>	
		1.80 1.80 1.80 1.80	ES	0.60ppmv 0.60ppmv	1.60	84.25		Recovered as 25% black and green, sandy, slightly clayey GRAVEL; 35% cobble sized fragments of sandstone, red brick and light/bright crystalline rock; 5% cobble sized metal fragments; 5% plastic cups; 5% cobble sized ceramic pipe fragments; 5% cobble sized glass fragments; 5% white fabric; 5% cobble sized timber fragments; and 10% cobble size inclusions of stiff, brown, slightly sandy CLAY. Gravel is subangular to subrounded of fine to coarse concrete, red brick, mudstone, glass, ceramics and mixed lithologies. DW	
					3.00	82.85		Recovered as 50% cobbles to boulder sized inclusions of firm, greenish grey and orangish brown, stained dark grey and black, slightly sandy slightly gravelly CLAY; 25% cobble sized inclusions of dark brown CLAY; 10% whole and half red brick; 5% cobble sized hard white and black fragments; 5% cobble size fragments of light weight weak and friable white material; 5% cobble size fragments of angular black friable material with fabric welded to it. Gravel is angular to rounded of fine to coarse red brick, black crystalline rock and mixed lithologies. CMG <i>2.40m : Hydrocarbon odour.</i>	
								Recovered as 40% reddish brown, very gravelly, slightly clayey, fine to coarse SAND; 30% whole and half red bricks; 10% cobble sized inclusions of soft, orangish brown CLAY; 10% boulder sized fragments of timber and red brick wall; 5% plastic; 5% cobble sized fragments of sandstone. Gravel is angular to subrounded of fine to coarse red brick, ceramic and shale. DW	
								4.00	
		4.50	81.35	Base of Excavation at 4.50m					

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks

General Remarks

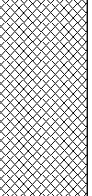
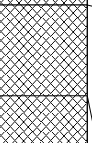
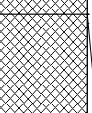
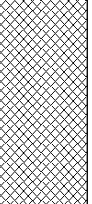
Terminated due to hard digging and lack of room for spoil.
has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Dimensions given in length x width x depth. Logging

Trial Pit Log

TRIAL PIT REFERENCE
TP119
Sheet 1 of 1

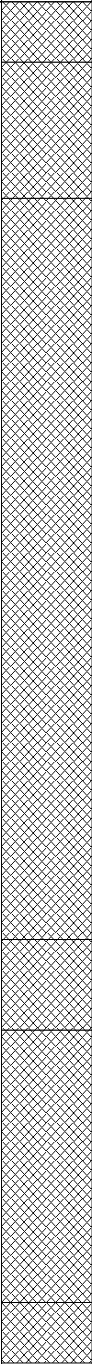
Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 12/10/2020	
Location: Newton Heath		Contractor: Geotron		Co-ords: E387612.00 N400342.00	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 4.00m
Logged By ZH	Checked By JC	Approved By MP	Level 84.88m AoD	3.90m 2.80m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.20	84.68		Firm, dark brown, slightly sandy, slightly gravelly CLAY with abundant roots and rootlets. Gravel is subangular to subrounded of fine mixed lithologies. TF	1
					0.90	83.98		Recovered as 40% whole and half red brick; 30% cobble to boulder sized inclusions of very soft, brown, slightly sandy, gravelly CLAY; 10% boulder sized fragments of red brick wall, concrete (1.1m x 0.4m x 0.1m), and ceramic; 5% plastic (bags, bucket handles, wrappers, wipes); 5% fabric (carpet and clothes); 5% tree roots; and 5% painted wooden flooring. Gravel is angular to subrounded of fine to coarse ceramics, red brick, plastic, wood and round pebbles. HW	
					1.20	83.68		Recovered as 60% cobble to boulder sized inclusions of very soft to firm, friable, brown to dark brown, slightly sandy, gravelly CLAY; 30% whole and half red brick; and 10% plastic (foam, warpers). Gravel is subrounded to subangular of fine to coarse ceramics, red brick and purple slate. Sand is fine to medium. CMG	
		1.70 1.70	ES		1.40	83.48		Recovered as 30% whole and half red brick; 25% boulder sized concrete fragments; 25% cobble to boulder sized inclusions of firm, friable, brown, slightly gravelly, sandy CLAY; and 20% timber planks. Gravel is angular to subrounded of fine to coarse mixed lithologies. DW	
								Recovered as 60% black, slightly gravelly, clayey SAND; 10% cobble sized timber fragments; 10% boulder sized fragments of orangish brown sandstone, red brick wall and concrete; 10% rubber and plastic (tubing, bags, sheeting); and 10% cobble sized inclusions of very soft, black, slightly sandy CLAY. Gravel is angular to subrounded of fine to coarse black glassy rock (40%), ceramic (10%), red brick (5%) and mixed lithologies (45%). Slight organic and hydrocarbon odour. DW	2
								1.40m : Slow ingress of water from the top of the concrete obstruction.	
								1.40m - 1.43m : Concrete obstruction in the northern side of the excavation.	3
					4.00	80.88		Base of Excavation at 4.00m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks
Achieved target depth. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 12/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387647.40 N40371.10	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 4.50m
Logged By ZH	Checked By JC	Approved By MP	Level 85.35m AoD	4.30m 1.50m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.20 – 0.30	B		0.20	85.15		Recovered as firm, dark brown, slightly sandy, slightly gravelly CLAY with frequent roots and rootlets. Gravel is angular to subangular fine to coarse ceramic, red brick, purple slate and mixed lithologies. Sand is fine to medium. TF	
		0.20 – 0.30	B					Recovered as 50% cobble to boulder sized inclusions of soft, brown, slightly sandy, slightly gravelly CLAY; 20% multicoloured, slightly sandy, very clayey, angular to subrounded, fine to coarse GRAVEL of red brick, ceramic, timber, slate, glass and mixed lithologies; 10% glass fragments and bottles; 10% whole and half red brick; 5% plastic sheeting; 5% tree roots. Gravel is angular to rounded of fine to coarse mixed natural lithologies. CMG	
					0.65	84.70		Recovered as cobble to boulder sized concrete fragments. DW	
								1.35m : In N.E and W edge of pit beneath concrete; Recovered as: 50% loose brown slightly clayey subangular slightly clayey GRAVEL of mixed lithologies including ceramic, metal, slag, clinker, slate, red brick and glass; 20% cobbles and boulders of red brick and concrete; 10% pieces of wood and timber; 10% plastic sheeting and wrapping; 10% metal rope, wire and pipes.	
		3.10	ES		3.10	82.25		Recovered as 60% cobble to boulder sized inclusions of soft, wet, dark grey, stained black, slightly sandy, gravelly CLAY; 10% cobble sized fragments of suspected slag; 5% fabrics including clothing; 5% cardboard; 5% wooden planks; 5% plastic sheeting; 5% cobble sized glass fragments; 5% cobble sized ceramic fragments. Gravel is angular to subrounded of fine to coarse sandstone, suspected slag, red brick, slate, suspected clinker and mixed lithologies. Strong hydrocarbon odour. HW	
		3.10			3.40	81.95		Recovered as 25% wooden planks; 20% brown, slightly sandy slightly clayey GRAVEL; 20% cobble sized red brick and concrete fragments; 10% glass bottles and fragments; 10% plastic sheeting; 10% metal sheets and pipes; and 5% fabric material. Gravel is angular to subrounded of fine to coarse red brick, concrete, sandstone and mixed lithologies. DW	
					4.30	81.05		Recovered as cobbles and boulder sized fragments of strong, light pinkish brown, coarse grained SANDSTONE. Difficult to excavate. DW	
					4.50	80.85		Base of Excavation at 4.50m	

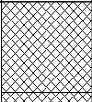
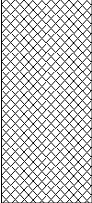
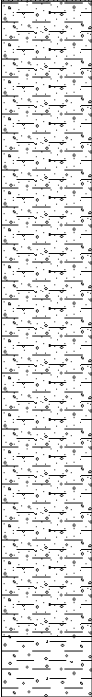
Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks

General Remarks
Terminated due to obstruction. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP121
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 12/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387570.70 N400435.70	
Project No. : LD10385		Excavator:		Dimensions :	Final Depth: 3.30m
Logged By ZH	Checked By JC	Approved By MP	Level 83.72m AoD	4.10m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.30	83.42		Recovered as 60% brown, slightly sandy, clayey GRAVEL; 20% cobble sized ceramic fragments; 10% cobble sized timber fragments; 10% whole and half red brick fragments. Gravel is angular to subangular of fine to coarse mixed lithologies. GMG	1
					1.00	82.72		Recovered as 50% whole and half red brick; 20% reddish brown, sandy GRAVEL; 20% cobble to boulder sized concrete fragments (up to 1.4m x 0.3m x 0.2m) 5% metal bars; 5% cobble sized suspected slag fragments. Gravel is angular to subrounded of fine to coarse glass, timber, sandstone, red brick and concrete. DW 0.80m : Boulder sized plastic sheeting.	
		2.00	B					Firm to stiff, light brown, mottled orangish brown, slightly sandy, slightly gravelly CLAY with medium cobble content. Cobbles are rounded of mixed lithologies. Gravel is angular to subrounded of fine to coarse of mixed lithologies. CGT	
		2.20							
		2.20	ES						
					3.10	80.62		Stiff, grey and brown, sightly sandy, gravelly CLAY. Gravel is angular to subrounded of fine to coarse mixed lithologies. CGT	3
					3.30	80.42		Base of Excavation at 3.30m	4

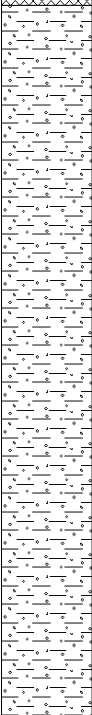
Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

General Remarks
Achieved target depth. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP122
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 07/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387424.70 N400355.00	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 2.60m
Logged By LT	Checked By JC	Approved By MP	Level 80.10m AoD	4.60m 1.30m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.25	79.85		Recovered as firm, dark brown, slightly sandy, silty CLAY. TF	1
		0.50	HSV	74kPa				Stiff, light brown, slightly sandy, slightly gravelly CLAY. Gravel is subangular to subrounded of fine to coarse mudstone, sandstone and coal. CGT	
		0.50	HSV	80kPa					
		0.50	HSV	82kPa					
		1.00	ES					0.80m - 2.60m : Reddish brown gleyed grey.	
		1.40	HSV	80kPa					
		1.40	HSV	80kPa					
		1.40	HSV	92kPa					
		1.70	HSV	72kPa					
		1.70	HSV	92kPa					
		1.70	HSV	98kPa					
		2.00	ES						2
		2.50	HSV	120kPa					3
		2.50	HSV	120kPa	2.60	77.50			
		2.50	HSV	120kPa					
								Base of Excavation at 2.60m	
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

General Remarks
Achieved target depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP123
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 05/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387288.34 N400213.30	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 3.80m
Logged By JC	Checked By JC	Approved By MP	Level 77.54m AoD	3.90m 1.40m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.30	77.24		Recovered as dark grey, slightly clayey, silty, fine to medium SAND with frequent rootlets. TF	1
		0.80	ES					Recovered as 80% dark grey to black, very sandy/ashy GRAVEL; 15% cobble to boulder sized suspected slag fragments; 5% cobble to boulder sized paving slab fragments. Gravel is angular to rounded of fine to coarse suspected clinker and suspected slag. CW	
		1.30	ES		1.10	76.44		Recovered as 80% dark grey to black, very sandy/ashy GRAVEL; 10% boulder sized suspected slag fragments; 10% cobble to boulder sized inclusions of firm to stiff, brown, slightly sandy CLAY with red dye surround. Gravel is angular to rounded of fine to coarse suspected slag, suspected clinker and glass. CW <i>1.40m - 1.80m : Frequent cobble sized inclusions of firm light brown, greyish brown and reddish brown mottled slightly gravelly slightly sandy CLAY. Gravel is subangular to subrounded fine to medium of mixed natural lithologies.</i>	
		1.90	ES		1.80	75.74		Recovered as 70% wet, red, clayey GRAVEL; 10% cobble sized fragments of red brick; 10% cobble sized suspected slag fragments; 10% cobble to boulder sized paving slab fragments. Gravel is angular to rounded of fine to coarse suspected slag and suspected clinker. CW <i>1.80m : Large boulder sized pocket of wet red die (wet, reddish brown clayey gravel).</i>	2
					2.00	75.54		Recovered as wet, red, clayey, angular to rounded, fine to coarse GRAVEL of suspected slag and suspected clinker. CW <i>2.00m : North eastern face of the excavation. Excavation full of water.</i>	
					2.30	75.24		Recovered as 70% wet, sandy GRAVEL; 15% whole and half red brick; 10% boulder sized inclusions of firm to stiff, brown, slightly sandy, slightly gravelly CLAY; 5% cobble to boulder sized paving slab fragments. Gravel is angular to rounded of medium to coarse suspected clinker and suspected slag. CW <i>2.60m : Leather shoe. 2.80m : Oil stain on water. 3.00m : Heavy oil staining on water, and areas of oil upwelling.</i>	3
					3.80	73.74		Base of Excavation at 3.80m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks

General Remarks
Terminated due to collapse and water in excavation. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP124
Sheet 1 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 15/10/2020	
Location: Newton Heath		Contractor: Geotron UK		Co-ords: E387212.28 N400174.38	
Project No. : LD10385		Excavator:		Dimensions :	Final Depth: 5.20m
Logged By ZH	Checked By JC	Approved By MP	Level 76.87m AoD	4.00m 1.80m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale		
		Depth (m)	Type	Results							
		0.25 – 1.45	B		0.21	76.66		Recovered as very soft to soft, brown, slightly gravelly, sandy CLAY with abundant roots and rootlets. Gravel is subangular of fine to medium mixed lithologies. TF	1		
					1.50	75.37		Recovered as 60% black, sandy GRAVEL; 15% cobble sized suspected clinker fragments; 10% cobble sized slate fragments; 5% cobble sized timber fragments; 5% cobble sized ceramic fragments; and 5% cobble sized glass fragments. Gravel is angular to subrounded of fine to coarse suspected slag and suspected clinker. CW			
									Recovered as 50% wet, brown, sandy, very clayey GRAVEL; 15% cobble sized suspected slag and clinker fragments; 10% cobble to boulder sized ceramic fragments; 10% cobble sized slate fragments; 10% cobble sized fragments of red brick; 5% cobble sized glass fragments. Gravel is subangular to subrounded of fine to coarse suspected clinker, red brick, glass and timber. CW	2	
									2.25m : Hard digging. 2.30m - 2.60m : Multiple collapse of walls due to water ingress.		
									Recovered as 70% soft, brown, mottled grey and orangish brown, slightly sandy, slightly gravelly CLAY; 20% cobble sized fragments of red brick; 10% cobble sized glass and ceramic fragments. Gravel is angular to subrounded of fine to coarse black, conchoidal, shiny rock; red sandstone and grit stone. CMG	3	
									2.60m : Fast ingress of water from all sides of the ecavation. 3.00m : Water is a brown clayey colour with no odour.		
										4	
									3.80m : Becoming very stiff.		
				4.90	HSV	115kPa					
				4.90	HSV	135kPa					

Trial Pit Log

TRIAL PIT REFERENCE

TP124

Sheet 2 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 15/10/2020	
Location: Newton Heath		Contractor: Geotron UK		Co-ords: E387212.28 N400174.38	
Project No. : LD10385		Excavator:		Dimensions :	Final Depth: 5.20m
Logged By ZH	Checked By JC	Approved By MP	Level 76.87m AoD	4.00m 1.80m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		4.90	HSV	140kPa	5.20	71.67		Recovered as 70% soft, brown, mottled grey and orangish brown, slightly sandy, slightly gravelly CLAY; 20% cobble sized fragments of red brick; 10% cobble sized glass and ceramic fragments. Gravel is angular to subrounded of fine to coarse black, conchoidal, shiny rock; red sandstone and grit stone. CMG Base of Excavation at 5.20m	6
									7
									8
									9

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable	None					

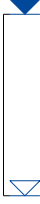
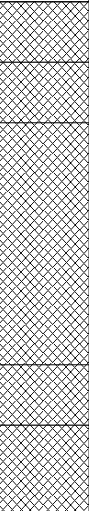
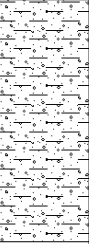
General Remarks

Terminated due to water ingress. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Water resting at 3.6m.

Ingress from base of the pit at 2.3m.

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 16/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire Ltd		Co-ords: E387233.36 N400187.66	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 4.00m
Logged By ZH	Checked By JC	Approved By MP	Level 76.85m AoD	3.80m 2.90m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		2.30 2.30 – 2.50 2.40	ES	0.30ppmv	0.20	76.65		Recovered as 60% firm, dark brownish grey, slightly gravelly CLAY; 20% roots and rootlets; 10% fabric (rugs); 5% cobble sized ceramic fragments; 2.5% cobble sized plastic fragments; and 2.5% cobble sized glass fragments. Gravel is subangular to subrounded of suspected clinker, sandstone, red brick, mudstone, glass, wood and plastic. HW	1
					0.40	76.45		Recovered as 40% black, subangular to subrounded, fine to coarse GRAVEL of suspected clinker; 25% cobble sized sandstone fragments; 20% cobble sized inclusions of soft, yellowish brown CLAY; 10% whole and half red brick; and 5% cobble sized ceramic fragments. CW	
					1.20	75.65		Recovered as 55% black, sandy, subangular to subrounded, fine to coarse GRAVEL of suspected clinker; 10% firm, dark brown, slightly gravelly, sandy, organic CLAY; 10% cobble sized metal fragments; 5% cobble sized glass fragments; 5% roots and rootlets; 5% whole and half red brick; 5% cobble sized inclusions of soft, yellowish brown CLAY; 2.5% plastic (sheeting); and 2.5% cobble sized ceramic fragments. CW	
					1.40	75.45		Recovered as stiff, dark brown, slightly sandy, slightly gravelly CLAY. Gravel is angular to subrounded, fine to coarse mixed lithologies. CMG	
					1.70	75.15		Recovered as 50% cobble sized fragments of red brick; and 40% red, sandy, angular to subrounded, fine to coarse GRAVEL of red brick. DW	
		3.20 – 3.50 3.30	ES	0.30ppmv	3.20	73.65		Recovered as 40% cobble sized fragments of red brick; 35% brown, slightly sandy GRAVEL; 20% cobbles sized fragments of suspected clinker and slag; and 5% cobble sized plastic fragments. Gravel is angular to subrounded, fine to coarse red brick, coal, mudstone and shale. DW	2
								1.70m : Hard digging. 1.70m - 2.40m : Multiple collapses of excavation walls. 1.80m : Slight seepage from southern face of the excavation. 1.90m : Very hard digging. 2.00m : Seepage increased to fast from the base of excavation. 2.30m : Seepage of black fluid from the northern face of the excavation. Hydrocarbon odour and brown foamy scum.	
								Firm to stiff, slightly sandy to sandy in places, slightly gravelly CLAY. Sand is fine. Gravel is fine to medium of shale, red mudstone and red sandstone. Hydrocarbon odour. CGT	
					4.00	72.85		Base of Excavation at 4.00m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable	None					

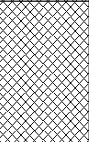
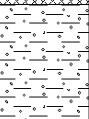
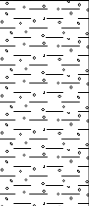
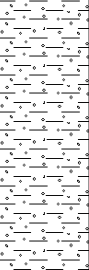
General Remarks

Terminated due to water ingress. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP126
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 08/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387457.60 N400129.30	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 3.60m
Logged By LT	Checked By JC	Approved By MP	Level 79.92m AoD	3.90m 1.40m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.20	79.72		Recovered as firm, dark brown, slightly sandy, silty CLAY. TF	1
		0.50	ES					Recovered as: 80% dark grey, sandy clayey GRAVEL; 10% cobbles to boulder sized slag fragments; 5% cobble sized glass and ceramic fragments; 5% cobble sized timber and metal fragments. Gravel is angular to subangular of fine to coarse suspected slag, suspected clinker and red brick CW	
		0.90 0.90 0.90	HSV HSV HSV	68kPa 72kPa 78kPa	0.70	79.22		Firm, brown and orangish brown, slightly sandy CLAY. CGT	
		1.50	ES		1.10	78.82		Stiff, orangish and grey, slightly sandy, slightly gravelly CLAY. Gravel is subangular to subrounded of fine to coarse sandstone and mudstone. CGT	
		1.90 – 2.10	B					1.80m - 2.40m : Occasional grey sand laminations. 1.80m - 3.60m : Water seepage.	2
		2.20 2.20 2.20	HSV HSV HSV	78kPa 82kPa 94kPa					
		2.60 2.60 2.60 2.70	HSV HSV HSV ES	82kPa 84kPa 90kPa				2.70m - 3.60m : Brown gleyed grey.	
					3.60	76.32		Base of Excavation at 3.60m	4

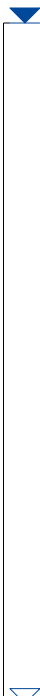
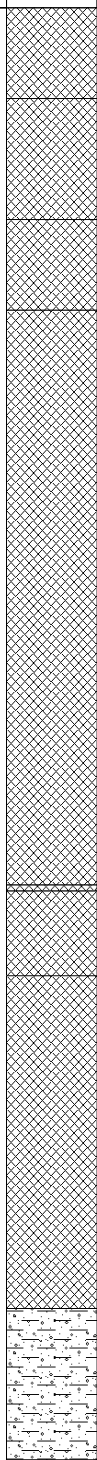
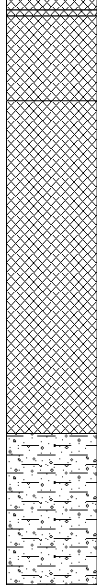
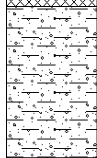
Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

General Remarks
Achieved target depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP127
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 16/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire Ltd		Co-ords: E387369.17 N400198.81	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 4.80m
Logged By ZH	Checked By JC	Approved By MP	Level 78.63m AoD	3.70m 3.00m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		1.20 1.20 1.20	ES	0.30ppmv	0.30 0.70 1.00	78.33 77.93 77.63		Recovered as 80% soft, dark greyish brown, slightly sandy, slightly gravelly CLAY; 10% cobble sized concrete and ceramic fragments; and 10% roots and rootlets. Sand is fine. Gravel is subrounded to subangular of fine to medium mudstone, coal, shale, red brick, concrete and suspected clinker. TF Recovered as 70% light greyish brown, slightly sandy, slightly clayey GRAVEL; 20% cobble sized inclusions of stiff, grey and orangish brown mottled, gravelly CLAY; and 10% roots and rootlets. Gravel is angular to subrounded of red brick, glass, wood, plastic, sandstone, concrete and gritstone. GMG Recovered as 45% dark brown, slightly sandy, clayey GRAVEL; 20% cobble sized fragments of red brick; 15% cobble sized inclusions of stiff, grey and orangish brown mottled, gravelly CLAY; 10% cobbles to boulder sized concrete fragments; 10% roots and rootlets. Gravel is subangular to subrounded of fine to coarse red brick, glass, coal, suspected clinker and sandstone. GMG Recovered as 80% cobbles to boulder sized inclusions of firm, light grey and orangish brown mottled, slightly sandy, slightly gravelly CLAY; 10% cobble sized fragments of red brick; and 10% wet, black, very soft, very gravelly CLAY. Sand is fine. Gravel is fine to coarse of red brick, weathered sandstone, suspected slag, weathered mudstone and crystalline rocks. Hydrocarbon odour. CMG	1
		3.00	HSV	3kPa	2.90 2.92 3.20	75.73 75.71 75.43		Recovered as soft, wet, light brown, very sandy CLAY. CMG 2.91m : Ingress of water increases. Recovered as very soft, light brown, slightly sandy to very sandy in places, slightly gravelly CLAY. Sand is fine. Gravel is subangular to rounded of fine to coarse pebbles, red sandstone and gritstone. CMG Recovered as 80% very soft, light brown, stained black, slightly sandy to very sandy in places, slightly gravelly CLAY; 10% cobble sized fragments of red brick; and 10% cobble sized fragments of glass, plastic and ceramic. Sand is fine. Gravel is subangular to rounded of fine to coarse pebbles, red sandstone and gritstone. CMG	3
		4.30 – 4.80 4.35 4.35 4.50	B ES HSV	0.30ppmv 97kPa	4.30 4.80	74.33 73.83		Stiff to very stiff, brown, slightly sandy in places, slightly gravelly CLAY. Sand is fine. Gravel is subangular to subrounded of fine to coarse mixed natural lithologies. CGT	4
		Base of Excavation at 4.80m							

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

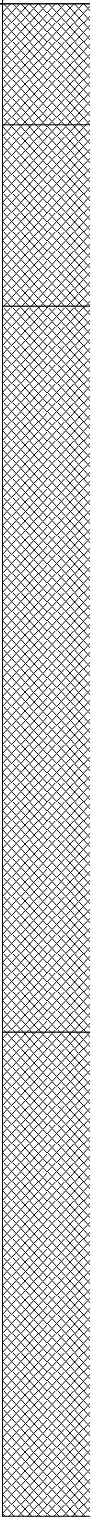
General Remarks
Terminated due to maximum reach of the machine.
approximate volumetric percentage of the various constituents present.

Logging has been undertaken to provide an

Trial Pit Log

TRIAL PIT REFERENCE
TP128
Sheet 1 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 14/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire Ltd		Co-ords: E387810.54 N400261.16	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 5.10m
Logged By ZH	Checked By JC	Approved By MP	Level 82.58m AoD	4.00m 3.00m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.40 – 1.00	B		0.40	82.18		Recovered as 40% dark brown, slightly sandy, clayey GRAVEL; 20% roots and rootlets; 15% cobble sized inclusions of soft, dark brown, slightly gravelly, sandy CLAY; 10% cobble sized fragments of red brick and sandstone; 5% cobble sized fabric cuts; 5% cobble sized timber fragments; and 5% cobble sized plastic fragments. Gravel is angular to subrounded of fine to medium mudstone, red brick and coal. GMG <i>0.00m - 0.70m : Slight seepage from the south eastern face of the excavation.</i>	1
					1.00	81.58		Recovered as 65% black, angular to subangular, fine to coarse GRAVEL of suspected clinker; 20% cobble sized fragments of suspected clinker; 10% cobble sized fragments of sandstone and red brick; and 5% cobble sized timber fragments. Sand is fine. CW	
								Recovered as 90% cobble sized inclusions of soft to firm, slightly gravelly, sandy CLAY; and 10% cobble to boulder fragments of red brick and concrete. Gravel is angular to rounded of fine to coarse mixed lithologies. CMG	
									2
									3
							</		

Trench Support and Comment				Pumping Data		
Pit Stability Stable	Shoring Used None	Remarks		Date	Rate	Remarks

General Remarks

Terminated due to maximum reach of the machine.
approximate volumetric percentage of the various constituents present.

Logging has been undertaken to provide an

Trial Pit Log

TRIAL PIT REFERENCE

TP128

Sheet 2 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 14/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire Ltd		Co-ords: E387810.54 N400261.16	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 5.10m
Logged By ZH	Checked By JC	Approved By MP	Level 82.58m AoD	4.00m 3.00m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					5.10	77.48		Recovered as 75% wet, white and black, slightly clayey, sandy GRAVEL; 15% cobble and boulder sized inclusions of hard, friable, weathered to soft, light whitish brown, slightly sandy, slightly gravelly CLAY. Gravel is angular to subrounded of fine to coarse weathered chalk material. CW Base of Excavation at 5.10m	6
									7
									8
									9

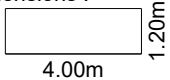
Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks

Terminated due to maximum reach of the machine. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP129
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 14/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire Ltd		Co-ords: E387883.02 N400311.01	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 4.00m
Logged By ZH	Checked By JC	Approved By MP	Level 83.35m AoD		Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.20 – 3.50	B		0.20	83.15		Recovered as firm, dark brown, slightly sandy, gravelly CLAY with frequent roots and rootlets. Gravel is angular to subrounded of fine to coarse of glass, plastics, sandstone and suspected clinker. Sand is fine to medium. TF Recovered as 75% black, slightly sandy GRAVEL; 15% cobble sized fragments of suspected slag and clinker; 5% glass; and 5% metal. Gravel is angular to subrounded of fine to coarse suspected clinker and slag. CW	1
									2
									3
									4
					3.95 4.00	79.40 79.35		3.60m : Moderate ingress of water. Soft, wet, brown, slightly sandy, slightly gravelly CLAY. Gravel is angular to rounded of fine to medium mixed lithologies. Sand is fine. CGT Base of Excavation at 4.00m	

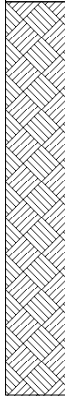
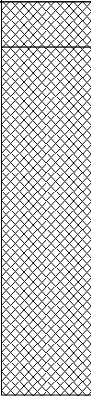
Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable	None					

General Remarks
Terminated due to multiple collapses and ingress of water. provide an approximate volumetric percentage of the various constituents present. Logging has been undertaken to

Trial Pit Log

TRIAL PIT REFERENCE
TP130
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 15/10/2020	
Location: Newton Heath		Contractor: Geotron UK		Co-ords: E387830.94 N400405.79	
Project No. : LD10385		Excavator:		Dimensions :	Final Depth: 1.30m
Logged By ZH	Checked By JC	Approved By MP	Level 85.46m AoD	4.00m 1.80m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.30 0.30 – 0.40 0.30	ES	0.10ppmv	0.15	85.31		Recovered as 50% cobble sized inclusions of stiff, dark brown, slightly sandy, slightly gravelly CLAY; 20% tree roots and rootlets; 15% cobble sized fragments of red brick; 10% cobble sized pockets of orangish brown, gravelly, coarse SAND; 5% plastic wraps. Gravel is subangular to subrounded of glass, red brick, ceramic and mixed lithologies. Sand is fine to medium. TF Recovered as 20% cobble sized fragments of red brick; 20% plastic (wrappers, NPK fertiliser bags); 20% dark brown, sandy, slightly clayey GRAVEL; 15% cobble to boulder sized fragments of concrete (blocks, corners with ceramic tiles from mantle); 15% cobble sized metal fragments; 5% roots; 5% cobble sized bundles of coil. Gravel is angular to subrounded of fine to coarse ceramic, plastic, glass, red brick, concrete and mixed lithologies. DW	1
					1.30	84.16		Base of Excavation at 1.30m	2 3 4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

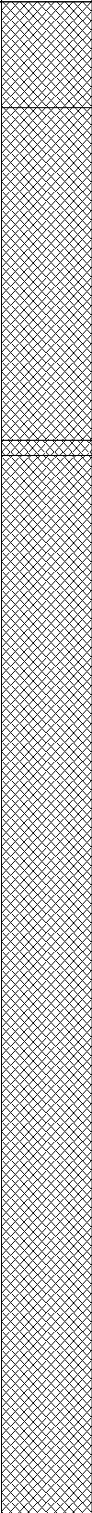
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP131
Sheet 1 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 14/10/2020	
Location: Newton Heath		Contractor: Geotron UK		Co-ords: E387814.82 N400410.94	
Project No. : LD10385		Excavator:		Dimensions :	Final Depth: 5.00m
Logged By ZH	Checked By JC	Approved By MP	Level 85.35m AoD	4.00m 1.80m	Orientation °

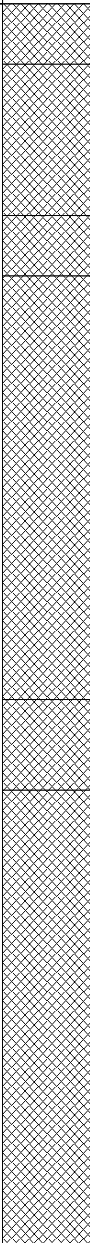
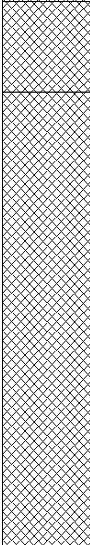
Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.35	85.00		Recovered as 70% light grey, fine to coarse GRAVEL; 25% cobble sized fragments aggregate; 5% cobble sized fragments of ceramic and red brick. Gravel is angular to subrounded of fine to coarse aggregate, red brick, ceramic and mixed lithologies. GMG	1
								Recovered as 50% reddish brown, sandy GRAVEL; 25% cobble sized fragments of black, pyritic blocky, shiny MUDSTONE; 20% cobble sized fragments of red brick; 5% cobble sized sandstone fragments. Gravel is angular to subrounded of fine to coarse mudstone, concrete, red brick, suspected clinker and mixed lithologies. CS	
		2.00 – 5.00	B		1.45 1.50	83.90 83.85		Recovered as stiff, grey, slightly sandy, gravelly CLAY. Gravel is fine to coarse of subangular to subrounded red brick and sandstone. CMG	2
								Recovered as 70% reddish brown, sandy GRAVEL; and 30% cobble sized fragments of reddish brown to black, burnt in places, blocky, thinly bedded mudstone, shale and coal. Gravel is angular to subangular of fine to coarse mudstone, shale and coal. CS <i>2.00m : Frequent suspected slag and clinker, where the pit appears to split into two sections.</i>	
		2.50 – 2.55	ES						3
									4
					5.00	80.35			

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	none					

General Remarks

Terminated due to maximum reach of machinery achieved.
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 19/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire Ltd		Co-ords: E387844.63 N400373.29	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 4.10m
Logged By ZH	Checked By JC	Approved By MP	Level 85.83m AoD	4.10m 3.20m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale			
		Depth (m)	Type	Results								
		0.30 0.30	ES	0.40ppmv	0.20	85.63		Recovered as 55% cobble to boulder sized inclusions of soft, dark brown, slightly sandy, gravelly CLAY; 30% root and rootlets; 10% cobble sized fragments of red brick; and 5% boulder sized concrete fragments. Gravel is subangular to subrounded of fine to coarse mixed lithologies. Sand is fine to medium. TF	1			
					0.70	85.13		Recovered as 40% brown, slightly sandy, very clayey GRAVEL; 20% cobble to boulder sized pockets of damp, orangish brown, gravelly SAND; 15% cobble to boulder sized inclusions of stiff, brown, slightly sandy, slightly gravelly CLAY; 10% cobble sized fragments of red brick; 10% cobble sized sandstone fragments; and 5% cobble sized concrete fragments. Sand is fine to medium. Gravel is subangular to subrounded of fine to coarse red brick, concrete, sandstone, shells and mudstone. GMG				
					0.90	84.93		Recovered as 50% red, subangular to subrounded, fine to coarse, slightly sandy GRAVEL of red brick; 40% cobble sized fragments of red brick; and 10% cobble sized inclusions of stiff, brown, slightly sandy, slightly gravelly CLAY. Gravel is subangular to subrounded of fine to coarse mixed natural lithologies. DW				
								Recovered as 60% grey, slightly sandy GRAVEL; 25% cobble sized fragments of mudstone and siltstone; 10% boulder sized fragments of siltstone and mudstone; and 5% cobble sized fragments of red brick. Gravel is angular to subangular of fine to coarse mudstone siltstone, coal and shale. CS				
		2.60 2.60	ES	0.40ppmv	2.30	83.53		Recovered as 50% dark grey to reddish brown, slightly sandy GRAVEL; 15% cobble sized fragments of siltstone and mudstone; 15% cobble sized fragments of red brick; 15% cobble sized inclusions of soft, brown, mottled orangish brown, slightly sandy, slightly gravelly CLAY; and 5% boulder sized fragments of mudstone and siltstone. Gravel is subangular to subrounded of fine to coarse mudstone, siltstone, coal and sandstone CS		3		
								Recovered as 50% cobble sized inclusions of firm, light brown, mottled orangish brown and light grey, slightly gravelly CLAY; 15% cobble sized fragments of siltstone and mudstone; 15% whole and half red brick; 15% cobble sized inclusions of soft, brown, mottled orangish brown, slightly sandy, slightly gravelly CLAY; and 5% boulder sized fragments of mudstone and siltstone. Gravel is subrounded to subangular of fine to coarse metal (melted soldering iron), red brick, coal, gritstone and siltstone. CS				
								3.50m : Hard digging.				
		3.80 – 4.10 3.80	B HSV	140kPa							4	
							4.10	81.73			Base of Excavation at 4.10m	

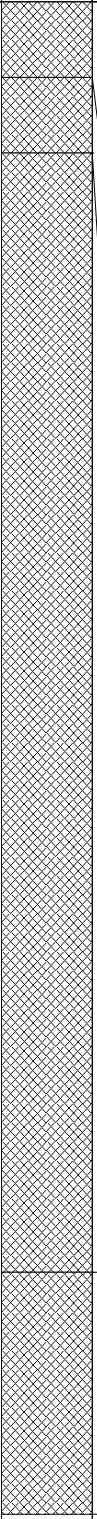
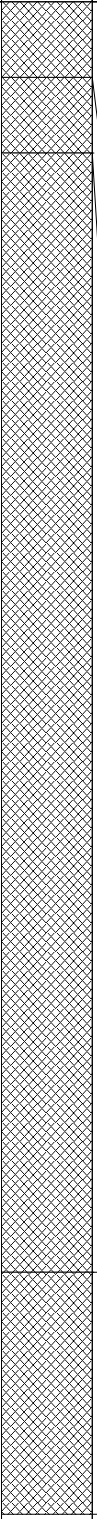
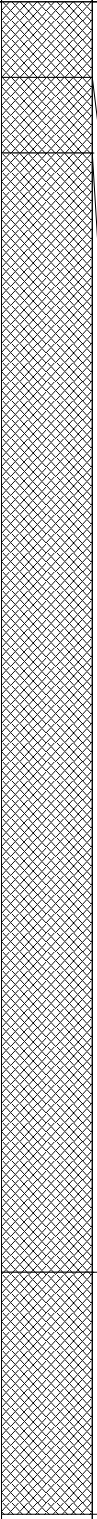
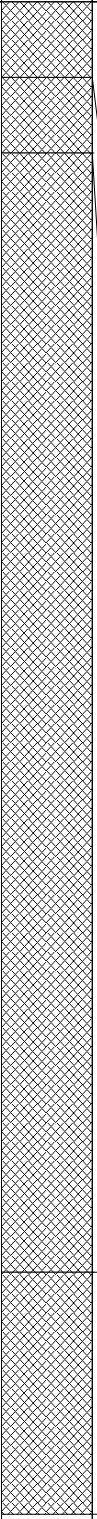
Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks
Terminated due to hard digging. Strata all dipping approximately 20 degrees north west. HSV test max is 140, therefore the HSV result is 140+. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP133
Sheet 1 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 19/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire Ltd		Co-ords: E387781.35 N400390.45	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 5.30m
Logged By ZH	Checked By JC	Approved By MP	Level 86.08m AoD	4.00m 2.00m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.50 – 0.70 0.60	ES	0.20ppmv	0.25 0.50	85.83 85.58		Recovered as 30% dark brown, slightly gravelly, very clayey SAND; 25% roots and rootlets; 20% boulder sized concrete fragments (1.10m x 1.66m x 0.16m); 10% cobble sized fragments of red brick; 10% cobble sized plastic fragments; and 5% cobble sized ceramic fragments. Gravel is angular to subrounded of fine to coarse concrete, red brick, ceramic and mudstone. TF Recovered as 50% light brown, very sandy GRAVEL; 15% cobble sized fragments of red brick; 15% cobble sized plastic fragments; 10% cobble sized ceramic fragments; 5% cobble sized inclusions of stiff, friable, greyish brown, slightly sandy, gravelly CLAY; and 5% roots and rootlets. Gravel is subangular to subrounded of fine to coarse concrete, red brick and sandstone. DW Recovered as 55% dark brownish grey to black GRAVEL; 20% cobble to boulder sized fragments of mudstone, siltstone and shale; 15% cobble sized inclusions of stiff, friable, grey, mottled orangish brown, grey, silty CLAY; 5% cobble sized fragments of red brick; and 5% roots and rootlets. Gravel is angular to subrounded of fine to coarse of mudstone, siltstone, sandstone and coal. CS <i>0.50m - 4.20m : Multiple collapses if excavation walls.</i>	1
		2.40 – 3.20	B		4.20	81.88		Recovered as 65% damp, weathered, slightly clayey GRAVEL; 20% cobble sized fragments of siltstone, mudstone and shale; 10% boulder sized blocky siltstone fragments; and 5% cobble sized fragments of red brick. Gravel is subangular to subrounded of medium to coarse suspected slag, siltstone, mudstone and shale. CS	2
									3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks
Terminated due to maximum reach of the machine. Dimensions given in length x width x depth.
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE

TP133

Sheet 2 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 19/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire Ltd		Co-ords: E387781.35 N400390.45	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 5.30m
Logged By ZH	Checked By JC	Approved By MP	Level 86.08m AoD	4.00m 2.00m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					5.30	80.78		Recovered as 65% damp, weathered, slightly clayey GRAVEL; 20% cobble sized fragments of siltstone, mudstone and shale; 10% boulder sized blocky siltstone fragments; and 5% cobble sized fragments of red brick. Gravel is subangular to subrounded of medium to coarse suspected slag, siltstone, mudstone and shale. CS Base of Excavation at 5.30m	6
									7
									8
									9

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks

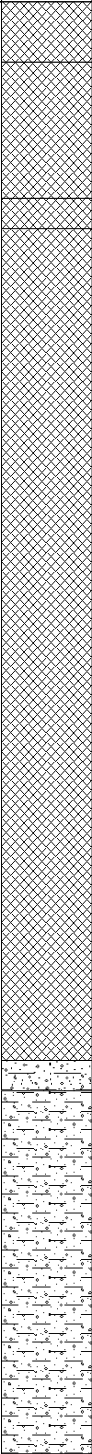
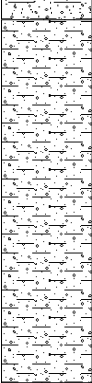
Terminated due to maximum reach of the machine. Dimensions given in length x width x depth.

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP134
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 16/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire Ltd		Co-ords: E387900.85 N400365.09	
Project No. : LD10385		Excavator: Hitachi 123 12T		Dimensions :	Final Depth: 4.80m
Logged By ZH	Checked By JC	Approved By MP	Level 84.61m AoD	3.80m 1.10m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.20 0.20	ES	0.20ppmv	0.20	84.41		Recovered as large boulder sized fragments of whitish brown CONCRETE. CONC	1
		0.75 – 3.50			0.65 0.75	83.96 83.86		Recovered as 20% cobble sized fragments of red brick; 20% greyish brown and black in places, slightly sandy, clayey GRAVEL; 15% cobble sized inclusions of soft to stiff, brown mottled light grey and orangish brown in places, slightly sandy, gravelly CLAY; 10% cobble sized fragments of weathered mudstone and coal; 10% fabric (shoes); 5% metal bars; and 5% plastic bags. Gravel is angular to subrounded of fine to coarse red brick, wood, concrete, coal, glass, mudstone, and sandstone. DW	
		1.20		49kPa				Recovered as 80% yellowish brown, coarse SAND; and 20% cobble sized inclusions of soft, yellowish brown, sandy CLAY. GMG	
								Recovered as 85% cobble to boulder sized inclusions of firm, reddish brown, slightly sandy, slightly gravelly CLAY; and 15% cobble sized fragments of red brick. Gravel is subangular to subrounded of fine to coarse coal, red brick and weathered mudstone. Sand is fine to medium. CMG	
			HSV		3.50 3.60	81.11 81.01		Damp, light brown, slightly clayey, slightly gravelly, fine to coarse SAND. Gravel is angular to subrounded of fine mixed natural lithologies. GGT	4
								Very stiff, brown, slightly sandy, slightly gravelly CLAY with medium cobble content. Cobbles are rounded of a mixed natural lithologies. Gravel is angular to rounded of fine to coarse mixed natural lithologies. Sand is fine. CGT	
		4.20		110kPa					
					4.80	79.81		Base of Excavation at 4.80m	

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks

Achieved target depth.
various constituents present.

Logging has been undertaken to provide an approximate volumetric percentage of the

Trial Pit Log

TRIAL PIT REFERENCE

TP135

Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 15/10/2020	
Location: Newton Heath		Contractor: Geotron UK		Co-ords: E387857.79 N400361.01	
Project No. : LD10385		Excavator:		Dimensions :	Final Depth: 1.25m
Logged By ZH	Checked By JC	Approved By MP	Level 85.12m AoD	4.00m 1.80m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.20 – 0.25	ES		0.25	84.87		Recovered as 60% cobble to boulder sized inclusions of soft to firm, dark brown, slightly sandy, slightly gravelly CLAY; 30% abundant rootlets and roots (up to 5cm diameter); and 10% cobble sized fragments of mudstone and red brick. Gravel is subangular to subrounded of fine to coarse red brick, concrete and mixed lithologies. TF	
		1.20		0.20ppmv	1.20 1.25	83.92 83.87		Recovered as 40% reddish brown, slightly sandy, clayey GRAVEL; 20% cobble sized fragments of red brick; 10% cobble size fragments of concrete; 5% cobbles sized fragments of sandstone; 10% cobble to boulder size inclusions of firm, orangish brown, mottled light grey and dark grey in places, gravelly CLAY; 5% tree roots and rootlets; 5% plastic (sheeting and fragments); 5% wire; 5% cobble sized fragments of slate. Gravel is angular to rounded of fine to coarse red brick, concrete, slate, glass, wood, mudstone and siltstone. DW	1
								Hard CONCRETE obstruction across entire excavation - could not dig through. CONC	
								Base of Excavation at 1.25m	
									2
									3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	none					

General Remarks

Terminated due to concrete obstruction along the entire base of the excavation.
undertaken to provide an approximate volumetric percentage of the various constituents present.

Logging has been

Trial Pit Log

TRIAL PIT REFERENCE
TP136
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 07/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387510.10 N400123.70	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 3.70m
Logged By JC	Checked By JC	Approved By MP	Level 81.01m AoD	3.90m 1.40m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.20	80.81		Recovered as soft, dark brown, slightly gravelly, sandy/ashy CLAY with frequent rootlets. Gravel is angular to subrounded fine to medium glass (10%), ceramic (10%) and mixed lithologies (80%). TF	1
					0.50	80.51		Recovered as 80% dark greyish brown, very sandy/ashy, very clayey GRAVEL; 10% cobble sized timber fragments; 10% cobble sized fragments of red brick. Gravel is angular to subrounded of fine to medium suspected slag (20%), suspected clinker (20%), timber (20%), glass (10%) and mixed lithologies (30%). CW	
		0.80 0.80 0.80 0.80	ES HSV HSV HSV	66kPa 70kPa 74kPa	1.00	80.01		Firm to stiff, light brown and orangish brown mottled, slightly sandy, slightly gravelly CLAY. Gravel is subrounded to subrounded of fine to medium mixed lithologies. CGT	
		1.60 1.60 1.60	HSV HSV HSV	102kPa 82kPa 88kPa				Stiff to very stiff, fissured, brown, mottled grey, slightly sandy, slightly gravelly CLAY. Gravel is subrounded of fine to medium mixed lithologies. Fissures are randomly orientated, extremely close to closely spaced, undulating to stepped smooth, partially open and infilled with firm grey clay. CGT	
		2.10	ES		2.00	79.01		Dark greyish brown, slightly gravelly, medium SAND. Gravel is subangular to rounded fine to medium coal and mixed lithologies. GGT	
		2.30 2.30	B B					2.00m : Boulder sized sand pocket in centre of the excavation. 2.10m : Running sand in southern face of the excavation.	
		2.90 2.90 2.90	HSV HSV HSV	60kPa 66kPa 68kPa	2.70	78.31		Firm, dark brown CLAY with closely spaced thin beds of firm dark brown silty clay with rare plant remains. CGT	
		3.50 3.50 3.50	HSV HSV HSV	70kPa 74kPa 86kPa				2.80m : Running sand in southern face of the excavation.	
					3.70	77.31		Base of Excavation at 3.70m	
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks

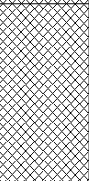
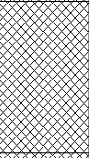
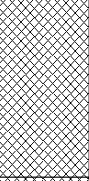
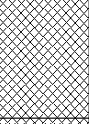
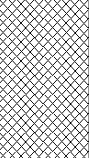
General Remarks
Achieved target depth.
of the various constituents present.

Logging has been undertaken to provide an approximate volumetric percentage

Trial Pit Log

TRIAL PIT REFERENCE
TP137
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 06/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387341.40 N400286.70	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 3.70m
Logged By JC	Checked By JC	Approved By MP	Level 79.07m AoD	3.90m 1.30m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.20	78.87		Recovered as brown, slightly clayey, gravelly, silty coarse SAND with frequent rootlets. Gravel is angular to subrounded fine to medium suspected slag and suspected clinker. TF	1
		0.60	B					Recovered as brown and grey, very sandy/ashy, angular to rounded, fine to coarse GRAVEL of suspected slag (40%), suspected clinker (40%), glass (10%) and brick (10%). CW	
		0.80						Recovered as 40% brown and grey, very sandy/ashy GRAVEL; 30% cobble to boulder sized inclusions of grey, clayey, gravelly SAND/ASH; 20% boulder sized inclusions of firm, brown, mottled light brown, slightly sandy, slightly gravelly CLAY; 10% cobble sized inclusions of soft to hard mortar/paste. Gravel is angular to rounded of fine to coarse, suspected slag (40%), clinker (40%), glass (10%) and brick (10%). CW	
		1.20	ES					Recovered as 40% brown and grey, very sandy GRAVEL; 30% cobble to boulder sized inclusions of dark reddish brown, very sandy/ashy GRAVEL; and 30% cobble to boulder sized inclusions of very soft to firm, white paste. Gravel is angular to rounded of fine to coarse suspected slag (30%), suspected clinker (30%), glass (10%), red brick (10%), slate (10%) and acetate fragments (10%). CW	2
		1.20	ES					Recovered as 40% grey, gravelly, slightly clayey SAND/ASH; 30% cobble to boulder sized inclusions of soft to firm, white paste; 10% cobble sized timber fragments; 10% cobble sized slate fragments; 10% boulder sized inclusions of firm, brown, slightly sandy, slightly gravelly CLAY. Gravel is angular to subrounded of fine to coarse suspected slag (35%), suspected clinker (35%), acetate fragments (20%) and timber (10%). Putrid odour. CW	
		1.50						Recovered as 70% grey, gravelly, slightly clayey SAND/ASH; 30% cobble sized slate fragments; and 10% boulder sized inclusions of firm, brown, slightly sandy, slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse suspected slag (35%), suspected clinker (35%), acetate fragments (20%) and timber (10%). Putrid odour. CW	
		2.00						Recovered as 60% wet, dark grey, sandy, clayey GRAVEL; 20% boulder sized inclusions of firm, brown, slightly sandy, slightly gravelly CLAY; 10% cobble sized timber fragments; and 10% cobble sized slate fragments. Gravel is angular to subrounded fine to coarse suspected slag (35%), suspected clinker (35%), acetate fragments (20%), timber (10%). CW	3
		2.60						Recovered as 60% wet, dark grey, sandy, clayey GRAVEL; 20% boulder sized inclusions of firm, brown, slightly sandy, slightly gravelly CLAY; 10% cobble sized timber fragments; and 10% cobble sized slate fragments. Gravel is angular to subrounded fine to coarse suspected slag (35%), suspected clinker (35%), acetate fragments (20%), timber (10%). CW	
		3.00						Recovered as 60% wet, dark grey, sandy, clayey GRAVEL; 20% boulder sized inclusions of firm, brown, slightly sandy, slightly gravelly CLAY; 10% cobble sized timber fragments; and 10% cobble sized slate fragments. Gravel is angular to subrounded fine to coarse suspected slag (35%), suspected clinker (35%), acetate fragments (20%), timber (10%). CW	
		3.70						Recovered as 60% wet, dark grey, sandy, clayey GRAVEL; 20% boulder sized inclusions of firm, brown, slightly sandy, slightly gravelly CLAY; 10% cobble sized timber fragments; and 10% cobble sized slate fragments. Gravel is angular to subrounded fine to coarse suspected slag (35%), suspected clinker (35%), acetate fragments (20%), timber (10%). CW	4
								Base of Excavation at 3.70m	

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable from 3.0m						

General Remarks
Terminated due to instability. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP138
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 09/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387512.92 N400282.26	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 3.50m
Logged By ZH	Checked By JC	Approved By MP	Level 83.30m AoD	4.70m 1.30m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		1.60	ES	0.10ppmv	0.30	83.00		Recovered as 75% roots and rootlets (up to 20mm diameter); and 25% brown, slightly gravelly, slightly clayey, fine to medium SAND. Gravel is fine to coarse of mixed lithologies. TF	1
					0.80	82.50		Recovered as 40% brown, slightly sandy, clayey GRAVEL; 15% cobble sized fragments of red brick; 15% boulder sized red brick and concrete fragments; 10% wooden flooring; 10% roots; and 10% glass fragments (bottles and reinforced window). Gravel is fine to coarse angular to rounded pebbles, red brick, ceramic, glass and nails. Sand is fine to medium. DW	
					2.10	81.20		Recovered as 30% wooden floor joists with nails; 20% cobble sized fragments of red brick; 10% boulder sized sandstone fragments; 10% metal fragments (temporary bus stop sign); 10% plastic (sheeting, wrappers, bags); 10% dark brown, slightly sandy, very clayey GRAVEL; and 10% cobbles sized fragments of ceramic and mudstone. Gravel is angular subrounded fine to coarse glass, ceramic, red brick and mudstone. DW	
					2.70	80.60		Recovered as 55% plastic bags; 20% painted timber floor boards; 10% cobble sized timber fragments; 10% cobble sized fragments of red brick; 5% brown, angular to subangular, fine to coarse slightly sandy slightly clayey GRAVEL of mixed lithologies. HW	
					3.00	80.30		Recovered as 25% brown, slightly sandy, slightly clayey GRAVEL; 30% plastic (piping, bottles, containers, bags); 15% cobble sized fragments of red brick; 10% glass (windows, bottles); 10% foam; and 10% fabric (insulation)). Gravel is angular to subrounded fine to coarse red brick, glass and timber. HW	
					3.20	80.10		Recovered as 30% plastic sheeting; 20% wooden fencing/ floor boards; 20% boulder sized concrete fragments (1.5m x 0.5m x 0.3m); 20% metal (corrugated, bars); and 10% brown, slightly sandy, slightly clayey, angular to subrounded, fine to coarse GRAVEL of red brick, glass and wood. DW	
					3.50	79.80		Recovered as 45% very soft, wet, dark greyish brown, slightly sandy, very gravelly CLAY; 20% cobble sized inclusions of soft to firm, brown, slightly sandy CLAY; 10% wooden fence fragments; 10% cobble sized glass fragments; 10% fabric; 5% cobble sized metal fragments. Gravel is angular to subrounded of fine to coarse of mixed lithologies. Sand is fine. Slight odour. DW	
					3.20m : Slow ingress of water from the base of the excavation. Base of Excavation at 3.50m				

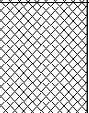
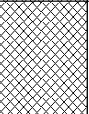
Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

General Remarks
Terminated due to multiple collapses of the excavation walls. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP139
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 05/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387266.18 N400178.30	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 3.50m
Logged By JC	Checked By JC	Approved By MP	Level 77.16m AoD	4.10m 1.40m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.30	ES		0.30	76.86		Recovered as brown, slightly gravelly, silty clayey, fine to medium SAND with frequent rootlets. Gravel is angular to rounded of mixed lithologies. TF	1
		0.50						Recovered as 80% black, very sandy/ashy GRAVEL; and 20% cobble sized fragments of red brick. Gravel is angular to rounded of fine to coarse suspected slag (40%), suspected clinker (40%) and mixed lithologies (20%). CW	
								0.80m : Brick obstruction in western face of the excavation.	
			ES		1.00	76.16		Recovered as 50% black very sandy/ashy GRAVEL; 30% boulder sized inclusions of brown, silty SAND with frequent rootlets; and 20% whole and half red bricks. Gravel is angular to rounded of fine to coarse suspected slag (40%), clinker (40%) and mixed lithologies (20%); CW	2
		1.40			1.40	75.76		Recovered as soft to hard, white, suspected mortar paste. CMG	
		1.60			1.60	75.56		Recovered as black, very sandy/ashy angular to rounded, fine to coarse GRAVEL of suspected slag (40%), clinker (40%) and mixed lithologies (20%). CW	
			ES		2.20	74.96		Recovered as firm, black, slightly sandy CLAY with rare plant remains. Very strong hydrocarbon odour. CMG	3
		2.30			2.30	74.86		Recovered as wet, black, very clayey GRAVEL of suspected slag and suspected clinker. Very strong hydrocarbon odour and heavy iridescent oil staining. CW	
		2.40			2.50	74.66		Recovered as 80% wet, clayey GRAVEL; and 20% cobble sized inclusions of firm, light brown, mottled grey, silty CLAY. Gravel is angular to subrounded of medium to coarse suspected slag (40%), suspected clinker (40%), red brick (10%) and timber (10%). Strong hydrocarbon odour and staining. CW	
					3.20	73.96		Firm, fissured, light grey and brown, silty CLAY. Fissures are randomly orientated, extremely close to close spaced, undulating to stepped smooth, tight to party open and infilled with firm, grey clay. CGT	
					3.50	73.66		Base of Excavation at 3.50m	

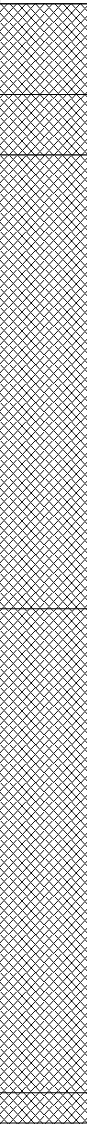
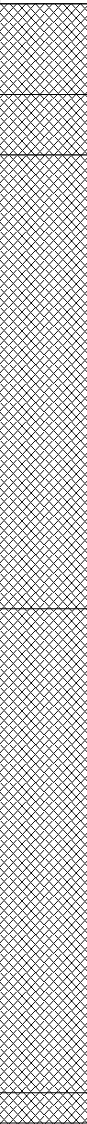
Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks

General Remarks
Achieved target depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP140
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 09/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire Ltd		Co-ords: E387538.92 N400291.54	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 3.70m
Logged By ZH	Checked By JC	Approved By MP	Level 83.80m AoD	2.40m 1.40m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.50 – 1.60	ES	0.10ppmv	0.30	83.50		Recovered as 65% brown, slightly sandy, very clayey GRAVEL; 15% cobble sized fragments of red brick; 10% roots and rootlets; 5% cobble sized plastic fragments; and 5% cloth fragments. Gravel is subangular to subrounded of fine to coarse red brick, red mudstone, purple slate and siltstone. GMG	1
					0.50	83.30		Recovered as 90% damp, brown, slightly gravelly SAND; and 10% cobble sized inclusions of soft to firm, grey CLAY. Gravel is angular to subrounded of medium to coarse purple slate, red ceramic and glass. Sand is fine to coarse. GMG	
					1.00			Recovered as 40% brown, slightly sandy, very clayey GRAVEL; 20% plastic (sheeting, wrappers, pipe); 10% cobble sized fragments of red brick and concrete; 10% boulder sized concrete fragments; 10% metal (bucket, poles, bars, strips); and 10% fabric (carpet, clothing). Gravel is angular to subrounded of fine to coarse red brick, glass, small nails, burnt wood, mudstone and purple slate. DW	
		2.00	81.80			1.70m : A single large concrete boulder (1.3m x 1.2m x 0.5m).			
						1.90m : A single tyre.			
						Recovered as 35% brown, sandy, slightly clayey GRAVEL; 15% wooden fencing; 15% cobble sized red brick and suspected slag fragments; 10% cobbles to boulder sized concrete paving fragments (up to 0.9m length). Gravel is subangular to subrounded of fine to coarse mixed lithologies. DW			
						3.40m : Slow ingress of water from the base of the excavation. The water is clear with no odour.			
		3.60	80.20		Recovered as 30% wooden fencing; 25% wet, dark grey to black, slightly sandy, very clayey GRAVEL; 15% whole and half red brick; 10% boulder sized concrete paving fragments; 10% metal (cans, sheeting, rods); 5% cardboard; 5% plastic (blinds). Gravel is subangular to subrounded of fine to coarse mixed lithologies. Hydrocarbon odour. HW 3.60m : Water is dark grey with an oily sheen, hydrocarbon odour with a foam layer.	4			
		3.70	80.10						
		Base of Excavation at 3.70m							

General Remarks

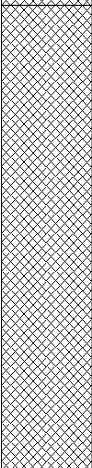
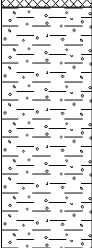
Terminated due to water in pit.
constituents present.

Logging has been undertaken to provide an approximate volumetric percentage of the various

Trial Pit Log

TRIAL PIT REFERENCE
TP141
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 07/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387412.40 N400312.10	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 2.60m
Logged By ZH	Checked By JC	Approved By MP	Level 80.44m AoD	4.10m 1.60m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.25			0.25	80.19		Recovered as dark brown, silty, very clayey, fine SAND with frequent rootlets. TF	1
		0.50	ES					Recovered as 80% dark grey, gravelly, clayey SAND/ASH; and 20% cobble to boulder sized suspected slag fragments. Gravel is subangular of fine to coarse suspected slag, suspected clinker and concrete. CW	
		1.50	ES						
		1.80			1.80	78.64		Stiff, friable, greyish brown, slightly sandy, slightly gravelly CLAY. Gravel is subangular to subrounded of fine to coarse sandstone. CGT	2
		2.10 2.10 2.10	HSV HSV HSV	120kPa 120kPa 120kPa					
		2.50	ES		2.60	77.84		Base of Excavation at 2.60m	3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

General Remarks
Achieved target depth. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP142
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 13/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire Ltd		Co-ords: E387672.00 N400190.00	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 3.80m
Logged By ZH	Checked By JC	Approved By MP	Level 82.50m AoD	3.80m 2.90m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.40	82.10		Recovered as 70% firm, dark brown, slightly sandy, slightly gravelly CLAY; 20% roots and rootlets; and 10% cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse red brick, ceramic, glass, purple slate and pebbles. TF	1
					0.80	81.70		Recovered as 55% cobble sized fragments of red brick; 20% dark brown, slightly sandy, slightly clayey GRAVEL; 15% cobble to boulder sized concrete fragments; and 10% plastic, glass and fabric fragments. Gravel is subangular to subrounded of fine to coarse red brick, ceramic and mixed lithologies. Organic odour. DW	
								Recovered as 20% plastic sheeting; 20% damp, brown, sandy, clayey GRAVEL; 10% boulder sized concrete fragments; 10% cobble sized metal fragments; 5% fabric; 5% glass; 5% whole and half red brick; 5% cobble sized ceramic fragments; 5% sponge; and 5% cobble sized fragments of orangish brown, stained black, coarse grained sandstone. Gravel is subangular to subrounded of fine to coarse red brick, wood, plastic and glass. DW <i>1.20m : Singular prism (1.5m x 0.5m x 0.2m).</i>	
								<i>1.90m : Single large boulder (1.8m x 0.7m x 0.4m).</i>	
		2.70 2.70 2.70	ES	0.00ppmv	2.70	79.80		2.60m : Hard digging due to thin layer of red brick and concrete cobbles. Soft to stiff, wet, slightly sandy, slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded of fine to coarse pebbles, gritstone and red sandstone. CGT <i>2.70m : Slow ingress of water.</i> <i>2.70m - 3.80m : Occasional very sandy lenses.</i> <i>3.00m : Fast ingress of water.</i>	3
					3.80	78.70		Base of Excavation at 3.80m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable	None					

General Remarks

Terminated due to multiple collapses of the excavation walls.
Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP143
Sheet 1 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 15/10/2020	
Location: Newton Heath		Contractor: Geotron UK		Co-ords: E387771.85 N400434.42	
Project No. : LD10385		Excavator:		Dimensions :	Final Depth: 5.40m
Logged By ZH	Checked By JC	Approved By MP	Level 85.42m AoD	4.00m 1.80m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		2.90 – 5.40 2.90 – 5.40	B B		0.10	85.32		Recovered as very soft, dark brown, slightly gravelly, sandy CLAY with frequent roots and rootlets and occasional cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse red brick, timber and mixed lithologies. TF Recovered as 40% brown, slightly sandy, very clayey GRAVEL; 20% cobble to boulder sized inclusions of firm, brown, slightly sandy, slightly gravelly CLAY; 15% plastic (large plastic tubes 5cm in diameter, plastic cards, needles, gloves); 10% whole and half red bricks; 5% cobble sized fragments of hard, black, rough stone; 5% cobble to boulder sized fragments of concrete; 5% glass fragments; and 5% tree roots. Gravel is angular to rounded of fine to coarse red brick, concrete, slate, sandstone, grit stone, shale, timber and mixed lithologies. Sand is fine. HW 0.21m : Singular pipe with tap. Recovered as 60% reddish brown, sandy GRAVEL; 25% whole and half red brick; 10% cobble sized inclusions of stiff, brown, slightly sandy, slightly gravelly CLAY; and 5% roots. Gravel is subrounded to subangular of fine to coarse red brick, timber, concrete, aggregate and mixed lithologies. GMG 0.90m : Hard digging. 0.90m - 1.00m : Large hard yellow plastic object in the southern end of excavation.	1
					0.70	84.72			
					1.15	84.27			
					2.90	82.52		Recovered as 55% grey (sometimes multicoloured), angular to subrounded, fine to coarse GRAVEL of red brick, shale, coal, mudstone, siltstone, suspected clinker; 20% cobble to boulder size inclusions of stiff to very stiff, grey mottled orangish brown, very gravelly, subrounded to subangular CLAY; 10% whole and half red brick; 10% cobble sized fragments of concrete; and 5% tree roots. Gravel is angular to subrounded of fine to coarse coal, shale, ironstone, siltstone and mixed lithologies. CS	2
								Recovered as 60% reddish brown, sandy angular to subangular GRAVEL; 40% cobbles to boulder sized boulders brownish grey, weathered red or orangish brown, siltstone. Gravel is angular of fine to coarse red brick, weathered siltstone and slate. CS	3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks
Terminated due to maximum reach of the machine.
an approximate volumetric percentage of the various constituents present.

Logging has been undertaken to provide

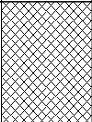
Trial Pit Log

TRIAL PIT REFERENCE

TP143

Sheet 2 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 15/10/2020	
Location: Newton Heath		Contractor: Geotron UK		Co-ords: E387771.85 N400434.42	
Project No. : LD10385		Excavator:		Dimensions :	Final Depth: 5.40m
Logged By ZH	Checked By JC	Approved By MP	Level 85.42m AoD	4.00m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					5.40	80.02		Recovered as 60% reddish brown, sandy angular to subangular GRAVEL; 40% cobbles to boulder sized boulders brownish grey, weathered red or orangish brown, siltstone. Gravel is angular of fine to coarse red brick, weathered siltstone and slate. CS	6
								Base of Excavation at 5.40m	
									7
									8
									9

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks

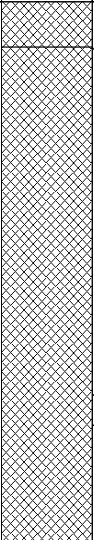
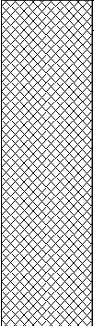
Terminated due to maximum reach of the machine.
an approximate volumetric percentage of the various constituents present.

Logging has been undertaken to provide

Trial Pit Log

TRIAL PIT REFERENCE
TP144
Sheet 1 of 1

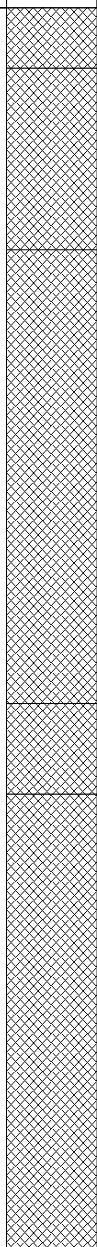
Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 07/10/2020	
Location: Newton Heath		Contractor: Hurts Plant Hire		Co-ords: E387482.60 N400181.10	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 3.10m
Logged By LT	Checked By JC	Approved By MP	Level 81.59m AoD	4.70m 1.70m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.40	ES		0.15	81.44		Recovered as firm, dark brown, slightly sandy, silty CLAY. Sand is fine. TF Recovered as 50% dark grey, gravelly, clayey, fine SAND; 25% cobble sized fragments of red brick; 15% cobble to boulders sized concrete fragments; 10% cobble sized timber, plastic and metal fragments. Gravel is subangular fine to coarse suspected clinker, suspected slag and red brick. Slight eggy odour. CW 1.30m : Broken metal box (0.6m x 0.8m x 0.6m) filled with roof slates and timbers. Slight eggy and white spirit odour. 1.40m : Sides collapsing.	1
					1.80	79.79		Recovered as 40% cobble sized fragments of red brick; 15% cobble sized timber fragments; 10% cobble sized roof slate and felt fragments; 10% metal including pipes, cables and empty metal drums; 10% plastic sheeting; 5% cloth material; 5% plastic wheels, mats and drums; 5% cobble to boulder sized concrete fragments. HW 1.80m - 2.90m : Northern side of pit: Stiff brown slightly gravelly slightly sandy CLAY. 1.90m : Moderate ingress of water causing instability of sides. Creosote and white spirit odour with vitreous sheen.	2
					2.90	78.69		Firm, brown, silty CLAY. CGT	3
					3.10	78.49		Base of Excavation at 3.10m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable from 1.3m bgl.						

General Remarks
Unstable from 1.3m bgl. Dimensions given in length x width x depth. Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 14/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire Ltd		Co-ords: E387858.14 N400301.89	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 4.10m
Logged By ZH	Checked By JC	Approved By MP	Level 83.18m AoD	3.70m 2.80m	Orientation °

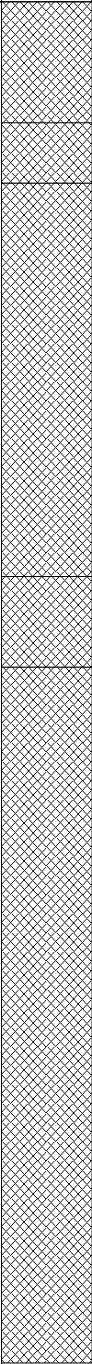
Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.20	82.98		Recovered as 50% dark brown, slightly sandy, clayey GRAVEL; 15% cobble sized fragments of red brick; 15% cobble sized inclusions of firm, brown, slightly sandy, slightly gravelly CLAY; 10% laminate flooring; 10% fabric (clothing); and 5% metal (nails). Gravel is angular to subrounded of fine to coarse red brick, glass, plastic, wood and sandstone. HW	1
					0.80	82.38		Recovered as 35% damp, brown, gravelly, slightly clayey SAND; 20% cobble to boulder sized inclusions of stiff, slightly sandy, slightly gravelly CLAY; 10% cobbles to boulders sized fragments of sandstone and concrete; 10% cobble sized fragments of red brick; 10% cobble sized ceramic fragments; 5% roots and rootlets; 5% metal (wires); 5% glass. Gravel is subangular to subrounded of mixed lithologies. Sand is fine to medium. DW	
								Recovered as 45% cobble to boulder sized inclusions of stiff, brown, slightly gravelly, sandy CLAY; 20% cobble sized timber fragments; 20% cobble sized fragments of cement brick and red brick; 10% metal (large metal pipe); 5% cobble sized slate fragments. Gravel is angular to rounded of fine to coarse concrete, pebbles, gritstone and sandstone. Hydrocarbon odour. DW	
								0.80m - 2.80m : Large collapse of north eastern face of the excavation.	
		2.20	ES	0.60ppmv	2.30	80.88		Recovered as 40% black sludge; 30% glass (bottles); and 30% cobble sized inclusions of soft, white, gravelly CLAY. Gravel is subangular of fine to coarse lime/chalk. DW	
		2.20						2.30m : Slight to moderate seepage of water from the base and south western face of the excavation.	
		2.30			2.60	80.58		2.30m - 4.10m : Water is dark grey to black, shiny/oily with a hydrocarbon odour.	
								Recovered as 20% boulder sized inclusions of stiff, brown CLAY; 20% cobble to boulder sized pockets of black, very clayey GRAVEL; 15% cobbles and boulder sized pockets of brown, fine to medium SAND; 15% cobble sized fragments of red brick; 10% wood (fragments and planks); 10% metal (pipes and bars); 5% cobble sized sandstone fragments; and 5% glass (bottles). Gravel is angular to subrounded of fine to coarse mixed lithologies. DW	
								2.60m - 4.10m : Wet and stained black.	
								3.80m : Fast ingress of water from the northwestern wall.	
		3.80	ES W ES	2.10ppmv	4.10	79.08		Base of Excavation at 4.10m	4
		3.80							
		3.90							

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable	None					

General Remarks
Terminated due to multiple collapses of excavation walls. provide an approximate volumetric percentage of the various constituents present.

Logging has been undertaken to

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 13/10/2020	
Location: Newton Heath		Contractor: John Cooper		Co-ords: E387642.07 N400312.31	
Project No. : LD10385		Excavator:		Dimensions :	Final Depth: 4.50m
Logged By ZH	Checked By JC	Approved By MP	Level 85.11m AoD	4.00m 1.80m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.80 0.80	ES	0.20ppmv	0.40	84.71		Recovered as 30% cobble to boulder sized inclusions of very soft, dark brown, slightly sandy, gravelly CLAY; 15% roots and rootlets; 10% whole and half red brick; 5% cobble sized concrete fragments; 5% timber fragments (up to 15cm in length, 2cm wide); 30% cobble to boulder size inclusions of firm, brown, mottled orange and grey slightly gravelly CLAY; and 5% plastic. Gravel is fine to coarse, subangular to subrounded, fine to coarse of mixed lithologies (slate, sandstones and other) and red brick. CMG Recovered as 25% brown, stained black, very sandy GRAVEL; 20% cobble sized fragments of suspected clinker; 15% cobble sized fragments of red brick; 15% boulder sized fragments of red brick wall and sandstone; 15% cobble sized inclusions of firm, brown, slightly gravelly CLAY; 5% cobble sized timber fragments; 5% cobble sized ceramic fragments. Gravel is subangular to subrounded of fine to coarse sandstone, red brick, ceramic, concrete and mixed lithologies. DW Recovered as 30% black, slightly gravelly SAND; 20% boulders sized fragments of reinforced concrete (rebar 10mm diameter); 10% whole and half red brick; 15% cobble sized yellowish brown, stained black sandstone fragments; 20% cobble sized inclusions of firm, brown, gravelly CLAY; and 5% cobble sized timber fragments. Gravel is angular to subrounded of fine to medium of red bric, concrete and mixed lithologies. DW Recovered as 60% cobble sized fragments of red brick; 30% cobble to boulder sized concrete fragments; and 10% reddish brown, angular to subangular, fine to coarse GRAVEL of red brick and concrete. DW <u>1.90m - 2.20m : Very hard digging.</u> Recovered as 35% damp, black, very gravelly SAND; 10% cobble sized plastic fragments (hard plastic lining, sheeting, wrapping, polystyrene); 10% cobble sized fragments of siltstone and slate; 10% cobble sized inclusions of soft brown, mottled grey and orange CLAY; 10% cobble sized ceramic fragments; 10% cobbles to boulder sized fragments of suspected slag; 5% fabric (cloth/ clothing); 5% cobble sized fragments of glass and bottles; 5% cobble sized timber fragments. Gravel is angular to subangular of fine to coarse mixed lithologies. DW <u>4.20m - 4.30m : Slightly stagnant odour.</u>	1
					0.60	84.51			
					1.90	83.21			
					2.20	82.91			
		4.30 4.30 4.30	ES	1.10ppmv	4.50	80.61		Base of Excavation at 4.50m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

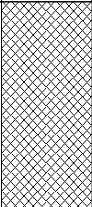
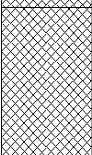
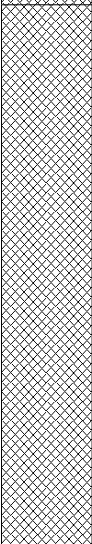
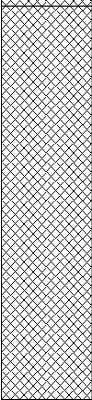
General Remarks
Terminated due to concrete obstruction.
provide an approximate volumetric percentage of the various constituents present.

Logging has been undertaken to

Trial Pit Log

TRIAL PIT REFERENCE
TP147
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 12/10/2020	
Location: Newton Heath		Contractor: Geotron		Co-ords: E387673.10 N400332.00	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 4.30m
Logged By ZH	Checked By JC	Approved By MP	Level 85.28m AoD	4.30m 1.30m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		3.30	ES		0.70	84.58		Recovered as 75% cobble to boulder sized inclusions of soft to firm, brown, slightly sandy, gravelly CLAY; 5% roots and rootlets; 5% rounded cobbles; 5% plastic sheeting; 5% various metal objects. Gravel is subangular to subrounded of fine to coarse red brick, siltstone, slate, metal, ceramic and mixed lithologies. CMG	1
					1.20	84.08		Recovered as 80% cobble sized fragments of red brick; 10% concrete boulder fragments; 10% cobble to boulder sized inclusions of firm, slightly sandy, gravelly CLAY. DW	
					3.00	82.28		Recovered as 40% multicoloured, slightly sandy slightly clayey GRAVEL; 15% cobble sized fragments of red brick; 15% wooden planks; 10% boulders sized sandstone fragments; 10% cobble sized ceramic fragments; 10% metal bars. Gravel is subangular of fine to coarse red brick, mudstone and mixed lithologies. DW <i>2.20m : Red brick wall (1.6m x 0.4m x 0.6m).</i> <i>2.30m : A singular 0.5m diameter x1.0m long ceramic pipe.</i> <i>2.90m - 3.10m : Layer of plastic sheeting.</i>	3
					4.30	80.98		Recovered as 50% cobble to boulder sized inclusions of firm, brown, slightly sandy, gravelly CLAY; 15% cobble sized fragments of red brick; 10% plastic sheeting; 10% boulder sized concrete fragments; 10% cobble sized inclusions of firm, greenish brown, sandy CLAY; 5% glass fragments. Gravel is subangular to subrounded of fine to coarse of red brick, concrete, sandstone and ceramics. Slight hydrocarbon odour. DW <i>3.30m : Singular metal spring.</i>	
								Base of Excavation at 4.30m	

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks

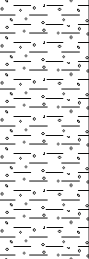
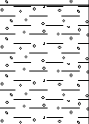
General Remarks
Achieved target depth.
volumetric percentage of the various constituents present.

Logging has been undertaken to provide an approximate

Trial Pit Log

TRIAL PIT REFERENCE
TP148
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 07/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387486.40 N400150.80	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 3.20m
Logged By JC	Checked By JC	Approved By MP	Level 81.17m AoD	4.10m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.20			0.20	80.97		Recovered as soft, dark brown, slightly sandy, silty CLAY with frequent rootlets and occasional gravel. Gravel is subangular to subrounded fine to medium red brick and mixed lithologies. TF	1
		0.40	ES		0.50	80.67		Recovered as 90% black, very sandy/ash GRAVEL; and 10% whole bricks. Gravel is angular to rounded, fine to medium GRAVEL of suspected slag (40%), suspected clinker (40%), timber (10%) and red brick (10%). CW	
		1.00	ES					Firm, light brown mottled light grey, slightly sandy, slightly gravelly CLAY. Gravel is subrounded to well rounded fine to medium of mixed lithologies CGT	
		1.10	HSV	62kPa					
		1.10	HSV	70kPa					
		1.10	HSV	72kPa					
		1.40			1.40	79.77		Firm to stiff, fissured, brown, slightly sandy, slightly gravelly CLAY. Gravel is subrounded fine to medium coal, mudstone, sandstone and mixed lithologies. Fissures are randomly orientated, extremely closely spaced, undulating to stepped smooth, partially open and infilled with firm grey silty clay. CGT	2
		1.60	B						
		1.60	B						
		1.70	HSV	70kPa					
		1.70	HSV	72kPa	1.80	79.37		Stiff, dark brown mottled grey CLAY with rare gravel. Gravel is subangular to well rounded fine to medium of mixed lithologies. CGT	
		2.30	HSV	74kPa				2.20m - 2.50m : Boulder sized pocket of wet dark grey silty fine sand in eastern edge of pit.	
		2.30	HSV	88kPa				2.30m : Slight ingress of water from eastern edge of pit, with running sands falling into pit.	
		2.30	HSV	90kPa					
		3.00			3.00	78.17		Firm to stiff, dark brown CLAY. CGT	3
		3.20	HSV	50kPa	3.20	77.97		Base of Excavation at 3.20m	4
		3.20	HSV	52kPa					
		3.20	HSV	62kPa					

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

General Remarks
Achieved target depth.
volumetric percentage of the various constituents present.

Logging has been undertaken to provide an approximate

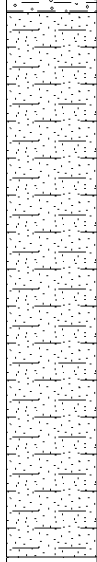
Trial Pit Log

TRIAL PIT REFERENCE

TP149

Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 08/10/2020	
Location: Newton Heath		Contractor: Hurt Plant Hire		Co-ords: E387404.10 N400162.80	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 3.30m
Logged By LT	Checked By JC	Approved By MP	Level 79.36m AoD	4.30m 1.40m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.15	79.21		Recovered as firm, dark greyish brown, slightly sandy, silty CLAY. TF	1
		0.50	ES					Recovered as 60% grey and orangish brown, slightly sandy, clayey GRAVEL; 20% cobble to boulder sized suspected slag fragments; 10% cobbles sized timber fragments; 10% cobble sized fragments of red brick. Gravel is subangular to subrounded of fine to coarse suspected clinker and suspected slag. CW <i>0.50m : Water seepage from eastern face.</i>	
					1.00	78.36		Soft to firm, grey and light brown, slightly gravelly, sandy CLAY. Gravel is subangular to subrounded fine to coarse sandstone, mudstone and coal. CGT	
		1.20	HSV	22kPa					
		1.20	HSV	26kPa					
		1.20	HSV	28kPa					
		1.40	HSV	62kPa					
		1.40	HSV	70kPa					
		1.40	HSV	72kPa	1.50	77.86		<i>1.40m - 1.50m : Orange and grey, firm to stiff.</i>	
		1.60	ES					Grey and brown, gravelly, silty, very clayey, fine to coarse SAND. Gravel is subangular to subrounded of fine to coarse mudstone and sandstone. GGT	
		2.50	HSV	62kPa					
		2.50	HSV	76kPa					
		2.50	HSV	78kPa					
		2.70	ES						
		2.90	HSV	82kPa					
		2.90	HSV	84kPa					
		2.90	HSV	88kPa					
		3.00	HSV	100kPa					
		3.00	HSV	108kPa					
		3.00	HSV	112kPa					
		3.30	HSV	110kPa	3.30	76.06			
		3.30	HSV	120kPa					
		3.30	HSV	120kPa				Base of Excavation at 3.30m	

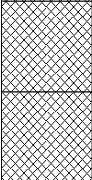
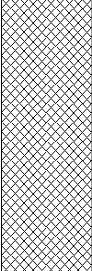
Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks

General Remarks Achieved target depth. percentage of the various constituents present.						
Logging has been undertaken to provide an approximate volumetric						

Trial Pit Log

TRIAL PIT REFERENCE
TP150
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 12/10/2020	
Location: Newton Heath		Contractor: Geotron		Co-ords: E387646.00 N400422.00	
Project No. : LD10385		Excavator: Hitachi 12T		Dimensions :	Final Depth: 4.30m
Logged By ZH	Checked By JC	Approved By MP	Level 85.73m AoD	4.40m 1.40m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.20	85.53		Recovered as very soft, wet, dark brown, slightly sandy, slightly gravelly CLAY with frequent rootlets. TF	1
					0.50	85.23		Recovered as 40% cobble to boulder sized inclusions of soft, dark brown, slightly gravelly slightly sandy CLAY; 15% plastic bags filled with orangish brown, fine to coarse sand; 15% cobble sized fragments of red brick; 10% boulder sized concrete fragments; 10% tree roots; 10% black wire. Gravel is angular to subrounded of fine to coarse red brick, glass, ceramic, suspected slag and mixed lithologies. DW	
					1.70	84.03		Recovered as 50% dark brown, black and reddish brown slightly gravelly slightly clayey SAND; 15% boulder sized fragments of orangish brown sandstone; 10% cobble sized fragments of red brick; 10% cobble sized, greenish grey, suspected slag fragments; 10% pieces of metal; and 5% plastic items. Gravel is angular to subrounded of fine to coarse mixed lithologies. DW	
		2.20 2.20	ES					Recovered as 60% damp, black and dark grey, very gravelly, slightly clayey SAND; 15% cobble sized inclusions of firm, brown and grey, sandy CLAY; 15% cobble sized orangish sandstone fragments; 10% cobble sized fragments of greenish black, crystalline suspected slag. Gravel is angular to subrounded of fine to coarse mixed lithologies. GMG	2
									3
									4
					4.30	81.43		Base of Excavation at 4.30m	

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks

General Remarks

Terminated due to collapse.

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE

TP201

Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 26/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387741.58 N400431.94	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 3.90m
Logged By JP	Checked By JC	Approved By MP	Level 85.75m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
								Recovered as 55% soft, dark brown, slightly sandy, gravelly CLAY; 40% cobble sized fragments of red brick, concrete, sandstone, ceramic and metal pipe; and 5% plastic bags. Gravel is angular to subrounded of fine to coarse red brick, slate, glass, suspected slag and mixed lithologies. CMG 0.20m : Metal bar (1.0m x 0.05m x 0.04m) at 0.20m.	1
		2.60 – 3.00	B		2.20	83.55		Recovered as 90% dark grey, sandy / ashy, angular fine to coarse GRAVEL of burnt siltstone, coal and mudstone; and 10% cobble sized fragments of mudstone. CS 2.60m - 3.00m : Recovered as orange between 2.60m and 3.00m.	2
					3.90	81.85		Base of Excavation at 3.90m	3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable from 2.60m	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP202
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 26/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387771.30 N400436.48	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 2.50m
Logged By JP	Checked By JC	Approved By MP	Level 85.43m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		1.30	ES		0.20	85.23		Recovered as soft, dark brown, slightly sandy, gravelly CLAY. Gravel is angular to subrounded of fine to coarse red brick, macadam and concrete. TF	1
					0.85	84.58		Recovered as 70% stiff, dark brown, slightly sandy, gravelly CLAY; 20% cobble sized fragments of red brick, and 10% cobble sized fragments of concrete. Gravel is angular to subrounded of fine to coarse red brick, concrete and macadam. CMG	
					1.10	84.33		Recovered as 70% cobble sized fragments of red brick, and 30% soft, dark brown, sandy, gravelly CLAY. Gravel is angular to subangular of fine to coarse red brick. DW	
					1.60	83.83		Recovered as soft to firm, dark grey, slightly sandy CLAY with organic odour. RNG	
		2.00 2.00 – 2.50	B B		2.50	82.93		Recovered as firm, light brown, slightly sandy CLAY. Sand is fine. CGT	2
								Base of Excavation at 2.50m	3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP203
Sheet 1 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 05/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387691.93 N400363.87	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 5.50m
Logged By MS	Checked By JC	Approved By MP	Level 86.10m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		1.00	ES		0.20	85.90		Recovered as 80% soft, brown to dark grey, slightly gravelly, sandy CLAY with frequent rootlets; 10% cobble sized fragments of red brick, and 10% cobble sized fragments of concrete. Gravel is angular to subrounded of fine to coarse red brick, timber and mixed lithologies TF Recovered as 65% dark brown to grey, mottled cream, orange and red, very gravelly, very clayey SAND / ASH; 15% cobble sized fragments of red brick, 15% cobble sized fragments of concrete, and 5% cobble sized fragments of wooden boards. Gravel is angular to subrounded of fine to coarse red brick, timber and mixed lithologies. DW 0.20m - 1.80m : Difficult to excavate between 0.20m and 1.80m. 0.60m : Plastic pipe (0.25m x 0.50m) at 0.60m.	1
		2.90	ES		1.80	84.30		Recovered as 60% dark grey to black, gravelly, very clayey SAND / ASH; 15% cobble sized fragments of red brick; 10% cobble sized fragments of wooden board; 5% cobble sized fragments of plastic bags and pipes; 5% cobble sized fragments of metal sheeting; and 5% cobble sized fragments of metal pipes. Gravel is angular to subrounded of fine to coarse mixed lithologies. Hydrocarbon odour noted. DW 1.80m : Frequent collapses of long side walls at 1.80m. 2.20m : Rare boulders of concrete (0.50m x 0.50m x 0.25m) at 2.20m.	2
		3.20			3.20	82.90		Recovered as 65% dark grey to black, very gravelly, very clayey SAND / ASH; 10% cobble sized fragments of red brick, 5% cobble sized fragments of concrete, 5% cobble sized fragments of wood, 5% cobble sized fragments of fibre glass sheeting, 5% cobble sized bundles of plastic and metal wire, and 5% fabrics. Gravel is angular to subrounded of fine to coarse red brick, plastic, timber and mixed lithologies. Hydrocarbon odour noted. DW 3.50m : Reinforced concrete boulder (1.00m x 0.25m x 0.25m) at 3.50m.	3
		5.00	ES						4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable from 1.80m.	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present. Dimensions generally provided in length x width x depth.

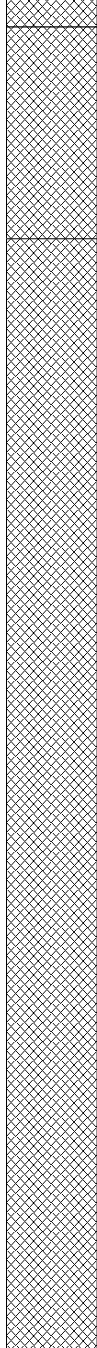
Trial Pit Log

TRIAL PIT REFERENCE

TP204

Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 09/05/2022	
Location: Newton Heath		Contractor: TPH		Co-ords: E387682.91 N400410.88	
Project No. : LD10385		Excavator: Doosan 3CX		Dimensions :	Final Depth: 4.50m
Logged By	Checked By JC	Approved By MP	Level 85.71m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.90	ES		0.10	85.61		Recovered as dark grey to black, very gravelly, clayey SAND with frequent rootlets. Gravel is subangular to subrounded of fine to medium red brick, suspected clinker, ceramics and mixed lithologies. TF Recovered as 85% reddish brown to dark grey, very sandy, clayey GRAVEL; and 15% cobble sized fragments of red brick. Gravel is angular to subangular of fine to coarse red brick, concrete, ceramic and mixed lithologies. GMG	1
					0.80	84.91		Recovered as firm to stiff, light brown and grey mottled, stained dark grey and black, slightly sandy, slightly gravelly CLAY. Gravel is angular to subangular of fine to medium red brick and mixed lithologies. CMG 0.80m : Large timber beam at 0.80m. Stained black with strong hydrocarbon odour. 1.50m : Frequent black bin liners and occasional cobble sized fragments of rubber matting and tubing at 1.50m. Stained black with strong hydrocarbon odour. 1.60m : Large concrete boulder (0.6m x 0.4m x 0.2m) at 1.60m. 1.80m : Frequent large cobble to boulder sized fragments of corrugated roofing at 1.80m. 2.00m : Occasional cobble sized fragments of rubber tyres at 2.00m. 2.20m : Large timber beam (1.5m x 0.2m x 0.2m) at 2.20m. 2.40m : Boulder sized bundle of rolled up mesh metal fencing at 2.40m. 2.60m : Large boulder sized tree stump at 2.60m. 2.70m : Groundwater seepage at 2.70m.	
		2.50 2.50 2.50	B B ES		4.50	81.21		Base of Excavation at 4.50m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP205
Sheet 2 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 05/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387721.78 N400404.37	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 5.20m
Logged By MS	Checked By JC	Approved By MP	Level 85.90m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					5.20	80.70		Recovered as 65% grey, reddish brown and black, very gravelly, very clayey SAND / ASH with frequent bands of yellowish brown fine to medium sand; 10% cobble sized fragments of red brick, 10% boulders sized bundles of wire, 5% cobble sized fragments of wood, 5% rubber tubing, and 5% cobble sized fragments of plastic. Gravel is angular to subrounded of fine to coarse red brick, metal and mixed lithologies. GMG Base of Excavation at 5.20m	6
									7
									8
									9

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present. Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE

TP206

Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 09/05/2022	
Location: Newton Heath		Contractor: TPH		Co-ords: E387770.94 N400232.92	
Project No. : LD10385		Excavator: Doosan 3CX		Dimensions :	Final Depth: 2.00m
Logged By JC	Checked By JC	Approved By MP	Level 82.26m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		1.00 1.00 1.00	B B ES		0.10	82.16		Recovered as dark grey, gravelly, very clayey SAND with frequent rootlets. Gravel is angular to subrounded of fine to coarse mixed lithologies. TF Recovered as 60% dark grey to reddish brown, very gravelly, slightly clayey, fine to medium SAND; 20% cobble sized red brick fragments; 5% plastic bags / sheeting; 5% glass bottles; 5% cobble sized fabric fragments; 5% cobble sized timber fragments. Gravel is angular to subrounded of fine to coarse red brick, timber, ceramic, slate, glass and mixed lithologies. HW 0.50m : Plastic bag full of cobble sized fragments of glass fibre insulation matting at 0.50m. 0.60m : Plastic standpipe (50mm diameter) at 0.60m. 0.70m : Bag of ammonium nitrate fertilizer, a single paint can and occasional cobble sized crumpled metal fragments at 0.70m. 1.20m : Large concrete boulder (0.8m x 0.4m x 0.2m) at 1.20m. 1.30m : A single pair of rubber boots and occasional boulder sized bundles of fabric threads at 1.30m. 1.40m : Broken ceramic sink at 1.40m. Firm, light brown and grey mottled, stained black, slightly sandy, slightly gravelly CLAY. Gravel is subangular to subrounded of fine to coarse mixed natural lithologies. Hydrocarbon odour. RNG Soft to firm, light brown and grey mottled, slightly sandy CLAY. CGT	1
					1.50	80.76			
					1.70	80.56			
					2.00	80.26		Base of Excavation at 2.00m	2
									3
									4

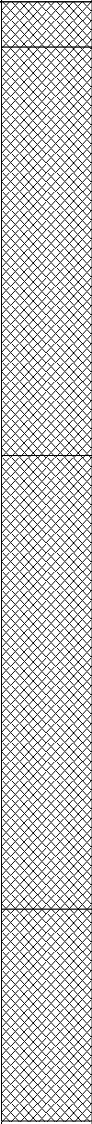
Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

General Remarks
 Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
 Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP207
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 09/05/2022	
Location: Newton Heath		Contractor: TPH		Co-ords: E387705.61 N400304.19	
Project No. : LD10385		Excavator: Doosan 3CX		Dimensions :	Final Depth: 3.70m
Logged By JC	Checked By JC	Approved By MP	Level 85.33m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.15	85.18		Recovered as soft, dark brown, slightly gravelly, sandy CLAY with frequent rootlets. Gravel is angular to subrounded of fine to coarse mixed lithologies. TF Recovered as 75% dark grey, gravelly, very clayey SAND; 15% cobble sized fragments of red brick; and 10% cobble sized fragments of concrete. Gravel is angular to subrounded of fine to coarse red brick, slate, concrete and mixed lithologies. DW	1
					1.50	83.83		Recovered as 50% greyish brown to light brown, gravelly, very clayey, fine to medium SAND; 20% cobble sized fragments of timber; 10% cobble sized fragments of red brick; 10% cobble sized fragments of fabric; and 10% plastic bags / sheeting. Gravel is angular to subrounded of fine to coarse red brick, ceramic, timber, plastic, glass and mixed lithologies. HW	2
		3.00 3.00 3.00	B B ES		3.00	82.33		Recovered as 50% greyish brown to light brown, very sandy, very clayey GRAVEL; 20% cobble sized fragments of timber; 10% cobble sized fragments of red brick; 10% cobble sized fragments of fabric; and 10% plastic bags / sheeting. Gravel is angular to subrounded of fine to coarse red brick, ceramic, timber, plastic, glass and mixed lithologies. HW <i>3.20m : Occasional cobble to boulder sized bundles of rope / thread and carpet fragments at 3.20m.</i> <i>3.50m : A single shopping basket, occasional light bulbs and occasional cobble sized polystyrene fragments at 3.50m.</i> <i>3.60m : Frequent cobble to boulder sized rusted metal fragments at 3.60m.</i>	3
					3.70	81.63		Base of Excavation at 3.70m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable						

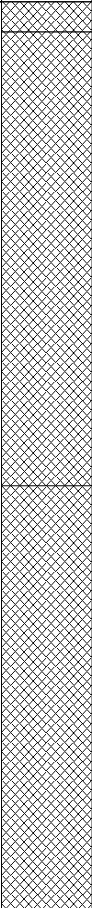
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP208
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 09/05/2022	
Location: Newton Heath		Contractor: TPH		Co-ords: E387737.84 N400297.69	
Project No. : LD10385		Excavator: Doosan 3CX		Dimensions :	Final Depth: 3.00m
Logged By JC	Checked By JC	Approved By MP	Level 88.57m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.10	88.47		Recovered as dark greyish brown, gravelly, clayey SAND with frequent rootlets. Gravel is angular to subrounded of fine to coarse mixed lithologies. TF Recovered as 85% dark brownish grey, very gravelly, very clayey SAND; and 15% cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse red brick, ceramic, concrete and mixed lithologies. GMG 0.40m : Two large concrete boulders (0.3m x 0.2m x 0.2m) at 0.40m 0.50m : Frequent fabric strips at 0.50m.	1
					1.60	86.97		1.50m : Frequent boulder sized fragments of concrete at 1.50m. Possible large concrete obstruction. Recovered as 50% light brown, becoming dark greyish brown, very sandy GRAVEL; 10% plastic bag / sheeting, 10% cobble sized fragments of fabric; 10% cobble sized fragments of red brick; 10% cobble sized fragments of concrete; 10% cobble sized fragments of timber. Gravel is angular to subrounded of fine to coarse red brick, timber, slate, concrete and mixed lithologies. Acid / putrid odour. HW 1.60m : Large concrete boulder (0.6m x 0.1m x 0.1m) with metal stanchion (1.5m x 0.1m x 0.1m) at 1.60m. 1.70m : HDPE plastic piping (70mm diameter) at 1.70m. 2.50m : Occasional cobble to boulder sized metal fragments at 2.50m. 2.70m : Frequent timber beams / laths at 2.70m.	2
					3.00	85.57		Base of Excavation at 3.00m	3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Multiple collapses from 2.50m.						

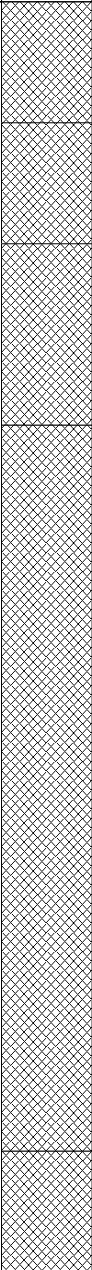
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present. Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP209
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 26/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387723.34 N400270.60	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 4.20m
Logged By JP	Checked By JC	Approved By MP	Level 85.99m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		2.50	ES		0.40	85.59		Recovered as soft, dark brown, slightly sandy, slightly gravelly CLAY with frequent roots and rootlets. Gravel is subangular to subrounded of fine to coarse mixed lithologies and red brick. TF	1
					0.80	85.19		Recovered as 80% soft, dark brown, slightly sandy, gravelly CLAY with occasional roots and rootlets; and 20% cobble sized fragments of red brick, concrete and plastic bags. Gravel is angular to rounded of fine to coarse red brick and mixed lithologies. CMG	
					1.40	84.59		Recovered as firm to stiff, light grey, mottled light brown, slightly sandy CLAY. Sand is fine. RNG	
								Recovered as 60% dark brown to light brown, very gravelly SAND; 40% cobble sized fragments of red brick, concrete, wood, metal pipe, metal sheeting, and plastic bags. Gravel is angular to subangular of fine to coarse red brick, glass, concrete, paper, polystyrene, wood and plastic DW <i>1.80m : Rubber tubing (5m in length) at 1.80m.</i> <i>2.30m : Rubber coated cables (5mm x 2mm) with abundant plastic bags at 2.30m.</i>	
					3.80	82.19		Recovered as COBBLES of red brick with frequent plastic bags, glass bottles, wooden board and cobble sized metal fragments DW	4
					4.20	81.79		Base of Excavation at 4.20m	

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP210
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 26/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387720.85 N400221.58	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 4.30m
Logged By LT	Checked By JC	Approved By MP	Level 82.50m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.90	ES					Recovered as 35% cobble sized fragments of red brick, 20% dark greyish brown, gravelly SAND; 15% glass bottles; 10% boulder sized fragments of red brick and concrete; 5% plastic bag and wrappers; 5% plastic tubs and bottles; 5% cobble to boulder sized fragments of decomposed timbers; 5% blue plastic bags filled with rubble. Gravel is subangular of fine to coarse brick and concrete. HW	1
		2.10	ES		1.75	80.75		Recovered as firm to stiff, dark brown, greyish brown and orange mottled, slightly sandy, gravelly CLAY with occasional cobbles of subangular brick. Gravel is subangular of brick. Sand is fine. RNG	2
									3
					4.30	78.20		Base of Excavation at 4.30m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present. Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP211
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 26/05/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387760.64 N400273.54	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 4.30m
Logged By LT	Checked By JC	Approved By MP	Level 88.14m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
								Recovered as 40% brown, gravelly SAND; 40% cobble to boulder sized fragments of red brick, brick walls, concrete slabs; and 20% plastic wrappers, plastic and rubble bags. Gravel is subangular of fine to coarse brick, concrete and sandstone. DW	1
		1.80 1.80 1.80 – 2.20	B ES B		1.60	86.54		Recovered as soft, dark grey, slightly sandy, gravelly CLAY. Gravel is subangular of fine to coarse brick, suspected slag and suspected clinker. Putrid and metallic odours. CMG	2
					3.80	84.34		Recovered as brown, silty, very clayey fine to medium SAND with decomposed plant remains. GGT	3
					4.10	84.04		Recovered as very stiff, brown, slightly sandy, slightly gravelly CLAY. Gravel is subangular of fine to coarse mixed natural lithologies. Sand is fine to medium. CGT	4
					4.30	83.84		Base of Excavation at 4.30m	

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

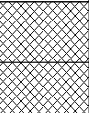
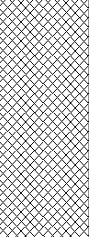
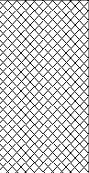
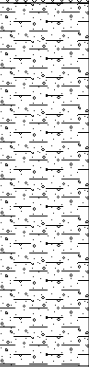
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present. Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP212
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 21/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387504.45 N400172.98	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 4.50m
Logged By MS	Checked By JC	Approved By MP	Level 81.87m AoD	E m	Orientation °

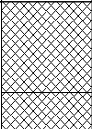
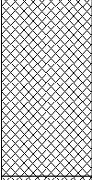
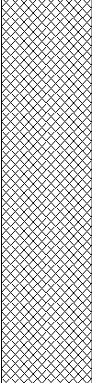
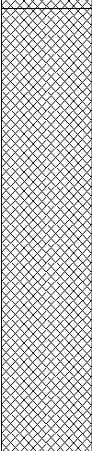
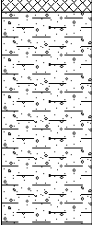
Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.20			0.20	81.67		Recovered as 85% soft, dark grey to brown, sandy, gravelly CLAY; 10% cobble sized fragments of red brick; 5% cobble sized fragments of wood and timber. Gravel is angular to subrounded of fine to coarse suspected slag, suspected clinker, red brick and mixed lithologies. TF	1
		1.50	ES		1.50			Recovered as 65% dark grey to brown, very gravelly, very clayey SAND / ASH with occasional cobble to boulder sized lenses of red, coarse sand; 10% cobble sized fragments of red brick; 5% cobble sized fragments of metal pipe and metal frames; 5% cobble sized fragments of timber; 5% cobble sized fragments of concrete; 5% cobbles sized fragments of plastic tubing, piping, bags, sheets and toys; 5% cobble sized fragments of tiles. Gravel is subangular to subrounded of fine to coarse suspected slag, suspected clinker, red brick, timber, glass and mixed lithologies. HW	
		2.10			2.10	79.77		Recovered as 70% dark grey to brown, very gravelly, very clayey SAND / ASH; 10% cobble sized fragments of plastic bin bags and sheeting; 5% cobble sized fragments of red brick; 5% cobble sized fragments of tile and ceramics; 5% boulder sized fragments of timber; and 5% boulder sized concrete fragments. Gravel is subangular to subrounded of fine to coarse suspected slag, suspected clinker, red brick, timber, glass and mixed lithologies. GMG	
		3.00	B		3.00			Recovered as firm, orange to greyish brown, slightly sandy, slightly gravelly CLAY. Gravel is angular to subrounded of fine to coarse mixed lithologies. CGT	
		3.30			3.30	78.57			4
		4.50			4.50	77.37		Base of Excavation at 4.50m	

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Minor spalling from 1.80m.	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present. Dimensions generally provided in length x width x depth.

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 27/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387538.20 N400164.15	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 4.50m
Logged By MS	Checked By JC	Approved By MP	Level 81.70m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.30	81.40		Recovered as 85% soft, dark grey to brown, sandy, gravelly CLAY; 10% cobble sized fragments of red brick; and 5% cobble sized fragments of wood and timber. Gravel is angular to subrounded of fine to coarse suspected slag, suspected clinker, red brick and mixed lithologies. TF	1
		0.60	ES					Recovered as 65% dark grey to orange, very gravelly, very clayey SAND / ASH; 10% cobble sized fragments of red brick; 5% plastic bags, pipes, toys and drums; 5% cobble sized bundles of fabric; 5% glass bottles; 5% cobble sized bundles of wires and cables; 5% cobble to boulder sized glass reinforced plastic sheeting. Gravel is angular to subrounded of fine to coarse suspected slag, suspected clinker, red brick and mixed lithologies. HW	
		1.00 1.00	B B		1.00	80.70		Recovered as 60% dark grey to orange, very gravelly, very clayey SAND / ASH; 15% cobble sized fragments of red brick; 10% plastic bags, sheeting and containers; 5% boulder sized fragments of concrete and red brick; 5% cobble sized fragments of timber; and 5% glass bottles. Gravel is angular to subrounded of fine to coarse of suspected slag, suspected clinker, red brick and mixed lithologies. GMG	
					2.30	79.40		Recovered as 55% dark grey to orange, very gravelly, very clayey SAND / ASH; 15% cobble sized fragments of red brick; 10% cobble sized fragments of ceramic and tiles; 5% cobble sized fragments of wooden board and timber; 5% plastic tape; 5% cobble sized fragments of polystyrene; 5% rolls of carpet (up to 3.00m x 0.40m x 0.05m). Gravel is angular to subrounded of fine to coarse suspected slag, suspected clinker, red brick and mixed lithologies. HW	
					3.80	77.90		Recovered as firm, orange to greyish brown, slightly sandy, slightly gravelly CLAY. Gravel is angular to subrounded of fine to coarse mixed natural lithologies. CGT	
					4.50	77.20		Base of Excavation at 4.50m	

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Minor spalling from 1.00m.	None					

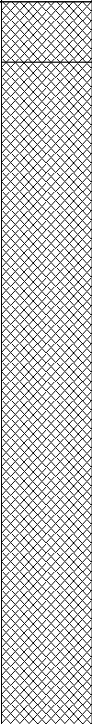
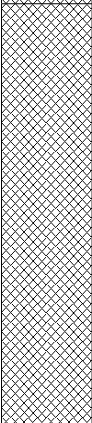
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present. Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP214
Sheet 1 of 1

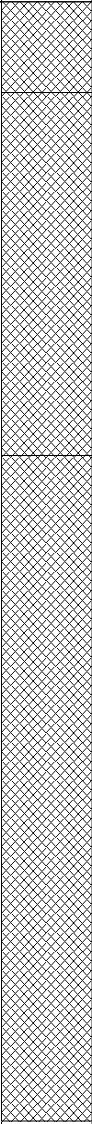
Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 21/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387518.99 N400199.51	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 3.80m
Logged By MS	Checked By JC	Approved By MP	Level 82.01m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.20	81.81		Recovered as 85% soft, dark grey to brown, sandy, gravelly CLAY; 10% cobble sized fragments of red brick; 5% cobble sized fragments of timber. Gravel is angular to subrounded of fine to coarse suspected slag, suspected clinker, red brick and mixed lithologies. TF	1
								Recovered as 60% reddish brown, very gravelly, very clayey SAND; 15% cobble sized fragments of red brick; 5% plastic bags and containers; 5% boulder sized fragments of concrete; 5% cobble sized fragments timber; 5% cobble sized fragments of metal pipe and sheeting; 5% cobble sized bundles of fabric. Gravel is angular to subrounded of fine to coarse of red brick, suspected slag, suspected clinker, glass, metal, fabric and mixed lithologies. HW	
		2.00 2.00 2.00	B B ES		2.40	79.61		Recovered as 50% reddish brown, very gravelly, very clayey SAND; 15% cobble sized fragments of red brick; 10% cobble sized fragments of metal sheeting, pipes and bundles of wire; 10% cobble sized bundles of plastic wire, cables, containers and bags; 10% cobble sized bundles of carpet and fabric; 5% cobble sized fragments of timber. Gravel is angular to subrounded of fine to coarse red brick, suspected slag, suspected clinker, glass, metal, fabric and mixed lithologies. HW	3
					3.80	78.21		Base of Excavation at 3.80m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Spalling from 2.00m.	None					

General Remarks
Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present. Dimensions generally provided in length x width x depth.

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 01/04/2022	
Location: Newton Heath		Contractor: TPH		Co-ords: E387497.54 N400213.62	
Project No. : LD10385		Excavator: 14t tracked excavator		Dimensions :	Final Depth: 3.70m
Logged By MS	Checked By JC	Approved By MP	Level 82.25m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.30			0.30	81.95		Recovered as 80% dark brown to dark grey, slightly sandy, slightly gravelly CLAY; 10% cobble sized fragments of red brick, 5% cobble sized fragments of timber; and 5% cobble to boulder sized fragments of concrete. Gravel is angular to subrounded of fine to coarse red brick, timber and mixed lithologies. TF	1
		1.00	ES					Recovered as 50% dark grey, very sandy / ashy, very clayey GRAVEL; 15% cobble sized fragments of timber; 10% plastic bags and rope, 10% cobble sized bundles of fabric; 10% cobble to boulder sized fragments of metal; and 5% cobble sized fragments of breeze blocks. Gravel is angular to rounded of fine to coarse red brick, plastic, timber and mixed lithologies. HW	
					1.50	80.75		1.20m : Frequent cobble sized fragments of tarmac in the excavation wall at 1.20m.	
		2.50	ES					Recovered as 40% dark grey, very sandy / ashy, very clayey GRAVEL; 20% cobble sized fragments of timber; 15% plastic bags, rope and netting; 10% cobble sized fragments of red brick; 5% cobble sized fragments of metal (exhausts); and 5% glass bottles; 5% boulder sized fragments of timber beams. Gravel is angular to rounded of fine to coarse red brick, plastic, timber and mixed lithologies. HW	
					3.70	78.55		Base of Excavation at 3.70m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Significant collapses below 2.00m.						

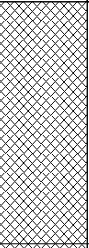
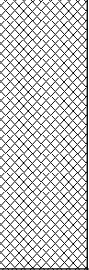
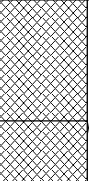
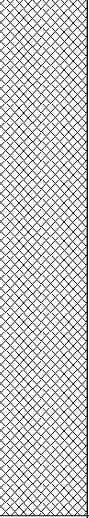
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP216
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date:	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387473.94 N400233.01	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 4.00m
Logged By MS	Checked By JC	Approved By MP	Level 82.13m AoD	E m	Orientation °

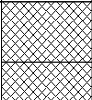
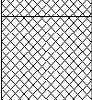
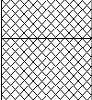
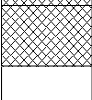
Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.60	ES		0.80	81.33		Recovered as 65% dark grey, mottled brown, orange and cream, very gravelly, very clayey SAND / ASH; 15% cobble sized fragments of red brick; 10% cobble sized fragments of wooden chip board; and 10% cobble sized fragments of plastic. Gravel is angular to subrounded of fine to coarse suspected slag, suspected clinker, red brick and mixed lithologies. CW	1
					1.70	80.43		Recovered as 55% dark grey, mottled brown, orange and cream, very gravelly, very clayey SAND / ASH; 15% plastic bags and containers; 10% cobble sized fragments of red brick; 5% cobble sized fragments of metal; 5% cobble sized fragments of timber; 5% cobble sized bundles of cable; 5% boulder sized fragments of concrete. Gravel is angular to subrounded of fine to coarse suspected slag, suspected clinker, red brick and mixed lithologies. CW	
					2.10	80.03		Recovered as 50% dark grey, mottled brown, orange and cream, very gravelly, very clayey SAND / ASH; 15% cobble sized fragments of red brick; 10% plastic bags and containers; 10% cobble sized fragments of timber; 10% cobble sized fragments of concrete; 5% cobble sized bundles of metal wire. Gravel is angular to subrounded of fine to coarse suspected slag, suspected clinker, red brick and mixed lithologies. CW	2
								Recovered as 45% dark grey, mottled brown, orange and cream, very gravelly, very clayey SAND / ASH; 20% cobble sized fragments of ceramic; 15% cobble sized fragments of red brick; 10% cobble sized fragments of timber; 5% plastic bags and containers; 5% cobble sized fragments of polystyrene. Gravel is angular to subrounded of fine to coarse suspected slag, suspected clinker, red brick and mixed lithologies. Putrid odour. CW	
					4.00	78.13		Base of Excavation at 4.00m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Major spalling below 0.80m bgl.	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date:	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387471.78 N400322.20	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 3.30m
Logged By MS	Checked By JC	Approved By MP	Level 82.66m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.20 – 0.70	ES		0.20	82.46		Recovered as soft, dark brown, gravelly, very silty, very clayey, fine to medium SAND with frequent roots and rootlets. Gravel is angular to subrounded of fine to coarse red brick, concrete and plastic. TF	1
					0.70	81.96		Recovered as 50% damp, dark greyish brown, sandy, slightly clayey GRAVEL with frequent roots and rootlets; 30% cobble sized fragments of red brick; 10% boulder sized fragments of concrete; 5% plastic bags, sheeting, wrappers; and 5% cobble sized fragments of metal. Gravel is angular to subrounded of fine to coarse red brick, concrete, glass, ceramic, plastic and fabric. GMG	
					1.10	81.56		Recovered as 60% damp, dark grey, mottled white, very sandy / ashy, slightly clayey GRAVEL; 30% cobble sized fragments of red brick; 5% boulder sized fragments of concrete; and 5% cobble sized bundles of fibrous thread. Gravel is angular to subrounded of fine to coarse suspected clinker, red brick, ceramics and mixed lithologies. CW	
					1.40	81.26		Recovered as 70% reddish brown, very gravelly, slightly clayey, fine to medium SAND / ASH; and 30% cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse suspected clinker, suspected slag, red brick and mixed lithologies. CW	
		1.60 – 1.90	ES					Damp orangish brown and light grey, medium SAND with rare angular, fine gravel of red brick and ceramics. GMG	2
					3.10	79.56		Recovered as dark reddish brown, gravelly, medium to coarse SAND with occasional cobble to boulder sized inclusions of stiff, brown, slightly sandy, slightly gravelly clay. Gravel within sand is angular of fine mixed lithologies. Gravel within clay is angular to subrounded of fine to coarse mixed natural lithologies. RNG	3
					3.30	79.36		Base of Excavation at 3.30m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Multiple collapses from 2.40m.						

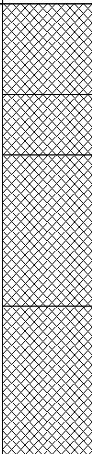
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present. Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP219
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 25/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387432.59 N400274.11	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 1.50m
Logged By JC	Checked By JC	Approved By MP	Level 80.76m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.50	ES		0.30	80.46		Recovered as 70% soft, dark brown, slightly gravelly, sandy CLAY; 20% roots and rootlets; and 10% cobble sized fragments of red brick. Gravel is angular to subangular of fine to coarse red brick, concrete, glass, ceramics and mixed lithologies. TF	1
					0.50	80.26		Recovered as 50% brown to reddish brown, very sandy GRAVEL; 20% cobble sized fragments of red brick; 15% cobble to boulder sized fragments of concrete; 5% cobble sized fragments of polystyrene; 5% cobble sized metal fragments; and 5% cobble sized timber fragments. Gravel is angular to subrounded of fine to coarse red brick, concrete, suspected clinker, ceramic and mixed lithologies. DW <i>0.40m : Large brick boulder (1.1m x 1.0m x 0.6m) in the northern section of the excavation at 0.50m. Possible part of a brick wall.</i>	
					1.00	79.76		Recovered as grey COBBLE and BOULDER sized fragments of concrete with rebar. Possible concrete obstruction. DW <i>0.50m : Occasional plastic wrappers and bulk bags at 0.50m. Plastic wrappers dated 1983.</i> <i>0.70m : Occasional glass bottles, plastic bottles and cobble sized timber fragments at 0.70m.</i> <i>0.80m : Frequent plastic bags / sheeting and a single plastic drum at 0.80m.</i>	
					1.20 1.20	B B		1.50	
		Base of Excavation at 1.50m							
									2
									3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present. Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE

TP217

Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 20/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387421.98 N400238.06	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 4.50m
Logged By MS	Checked By JC	Approved By MP	Level 79.94m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.20			0.20	79.74		Recovered as black, gravelly, very clayey SAND / ASH with occasional rootlets. Gravel is angular to rounded of fine to medium suspected slag, suspected slag and mixed lithologies. TF	1
		1.60	B		1.60			Recovered as 75% dark grey to black, very sandy / ashy GRAVEL; 10% gravel to cobble sized inclusions of soft, white clay; 5% cobble to boulder sized suspected slag fragments; 5% cobble sized fragments of slate; and 5% cobble sized fragments of timber. Gravel is angular to rounded of fine to coarse suspected slag, suspected clinker, ceramic, red brick and mixed lithologies. CW	
		1.80	ES		1.80	78.14		Recovered as 55% dark grey, mottled orangish brown, very sandy / ashy, very clayey GRAVEL; 15% plastic bags; 10% cobble sized fragments of red brick; 5% cobble sized fragments of metal; 5% cobble sized fragments of timber; 5% cobble sized bundles of metal cable; and 5% boulder sized fragments of concrete. Gravel is angular to subrounded of fine to coarse of suspected slag, suspected clinker, red brick and mixed lithologies. CW	2
		3.20			3.20	76.74		Recovered as 0% dark grey, mottled orangish brown, very sandy / ashy, very clayey GRAVEL; 20% cobble sized fragments of ceramic; 10% cobble sized fragments of red brick; 10% cobble sized bundles of metal wire; 5% cobble sized fragments of fabric; and 5% cobble sized fragments of polystyrene. Gravel is angular to subrounded of fine to coarse of suspected slag, suspected clinker, red brick and mixed lithologies. CW	3
		4.00	ES		4.00				4
		4.50			4.50	75.44		Base of Excavation at 4.50m	

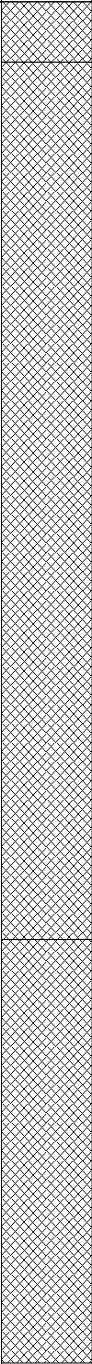
Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

General Remarks
 Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
 Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP220
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 22/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387535.39 N400246.45	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 4.50m
Logged By MS	Checked By JC	Approved By MP	Level 83.16m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.20	82.96		Recovered as 70% soft, grey to light brown, sandy, gravelly CLAY; 15% cobble sized fragments of red brick; 15% cobble sized fragments of wood. Gravel is subangular to subrounded of fine to coarse red brick, timber, plastic and mixed lithologies. TF	
		2.00 2.00 2.00	B B ES					Recovered as 60% dark grey, reddish brown and orange mottled, very gravelly, very clayey SAND; 15% cobble sized fragments of red brick; 10% plastic bags, pipe fragments and containers; 5% cobble sized fragments of timber; 5% glass bottles; 5% cobble sized fragments of polystyrene. Gravel is angular to subrounded of fine to coarse red brick, timber and mixed lithologies. GMG	
					3.10	80.06		Recovered as 60% dark grey, reddish brown and orange mottled, very gravelly, very clayey SAND; 10% cobble sized fragments of red brick; 10% cobble sized fragments of timber; 10% plastic bags and containers; 5% glass bottles; 5% cobble sized fragments of concrete. Gravel is angular to subrounded of fine to coarse red brick, timber and mixed lithologies. GMG	
					4.50	78.66		Base of Excavation at 4.50m	

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP221
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 02/04/2022 - 22/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387562.01 N400210.48	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 4.80m
Logged By MS	Checked By JC	Approved By MP	Level 82.94m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		1.00	B					Recovered as 50% grey to reddish brown, very gravelly, very clayey SAND; 20% cobble sized fragments of red brick; 10% boulder to cobble sized fragments of concrete (up to 2.00m x 0.25m x 0.25m); 5% cobble sized fragments of timber; 5% plastic bags and pipe fragments; 5% cobble sized bundles of fabric and carpet; and 5% car tyres. Gravel is angular to rounded of fine to coarse red brick, plastic, timber and mixed lithologies. HW 0.50m : A single plastic pipe at 0.50m.	1
		1.50	ES					1.05m : Frequent timber beams / laths within the western face of the excavation at 1.05m.	
					2.00	80.94		Recovered as 45% grey to reddish brown, very gravelly, very clayey SAND; 20% cobble sized fragments of red brick; 20% cobble sized fragments of timber; and 15% plastic bags and containers. Gravel is angular to rounded of fine to coarse red brick, plastic, timber and mixed lithologies. GMG	2
					3.00	79.94		Recovered as 45% grey to dark grey, sandy, gravelly CLAY with occasional lenses of reddish brown sand; 20% cobble sized fragments of red brick; 15% cobble sized fragments of metal piping; 10% cobble sized fragments of black plastic sheeting; 5% cobble sized fragments of timber; 5% cobble sized bundles of fabric. Gravel is subangular to subrounded of fine to coarse red brick, suspected slag, suspected clinker and mixed lithologies. Slight hydrocarbon odour. HW	3
					4.80	78.14		Base of Excavation at 4.80m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP222
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 26/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387840.90 N400346.98	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 3.25m
Logged By LT	Checked By JC	Approved By MP	Level 91.27m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.10	ES					Recovered as 50% cobble sized fragments of red house bricks; 50% reddish brown, gravelly, very clayey SAND. Gravel is subangular of fine to coarse red brick and concrete. DW	1
					1.30	89.97		Recovered as soft, dark grey, slightly sandy CLAY with occasional decomposed plant remains. Organic odour. RNG	
		2.00	ES		2.00	89.27		1.90m : Brick structure at eastern edge of pit at 1.90m. Contained water; stopped draining shortly after breaking. Recovered as stiff, grey, greyish brown and yellowish brown mottled, slightly sandy CLAY. CGT	2
									3
					3.25	88.02		Base of Excavation at 3.25m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

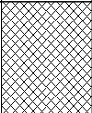
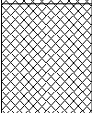
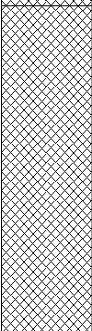
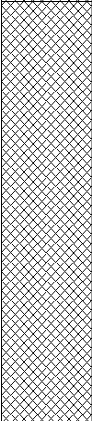
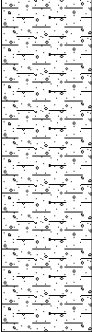
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present. Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP223
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 26/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387826.82 N400371.89	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 4.40m
Logged By LT	Checked By JC	Approved By MP	Level 85.64m AoD	E m	Orientation °

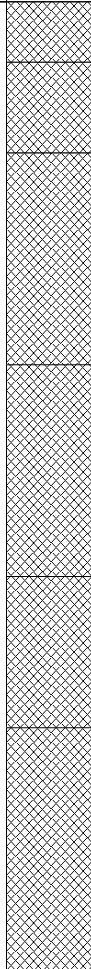
Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		1.00	ES		0.40	85.24		Recovered as 90% firm, brown, slightly sandy, slightly gravelly CLAY; and 10% cobble sized fragments of red brick. Gravel is angular of fine to coarse red brick. TF	1
					0.80	84.84		Recovered as 60% cobble sized fragments of red brick; 20% boulder sized fragments of sandstone; and 20% reddish brown, sandy, angular to subangular fine to coarse GRAVEL of red brick and concrete. DW <i>0.40m : Large railway sleeper (1.50m in length) at 0.40m.</i>	
					1.90	83.74		Recovered as soft to firm, dark grey, slightly sandy, slightly gravelly CLAY. Gravel is angular to subangular of fine to coarse red brick, glass and concrete. Slight creosote odour. CMG	
		2.10 2.20 2.20 – 2.50	ES B B		3.30	82.34		Recovered as soft to firm, dark grey, slightly sandy CLAY with occasional decomposed plant remains. Slight organic odour. RNG	2
					4.40	81.24		Recovered as firm to stiff, greyish brown, slightly sandy, slightly gravelly CLAY. Gravel is subangular to subrounded of fine to coarse mixed lithologies. Sand is fine to medium. CGT	3
								Base of Excavation at 4.40m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present. Dimensions generally provided in length x width x depth.

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 31/03/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387755.30 N400390.66	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 3.20m
Logged By MS	Checked By JC	Approved By MP	Level 86.36m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale	
		Depth (m)	Type	Results						
		0.80 – 1.00	ES		0.20	86.16		Recovered as 80% soft, dark brownish grey, slightly sandy, gravelly CLAY with frequent roots and rootlets; 15% cobble sized fragments of red brick and concrete; 5% cobble sized fragments of plastic sheeting. Gravel is angular to subangular of fine to coarse mixed lithologies. TF	1	
					0.50	85.86		Recovered as 50% dark greyish brown, very sandy GRAVEL; 20% boulder sized inclusions of soft to firm, brown and grey mottled, slightly sandy, slightly gravelly CLAY; 20% cobble sized fragments of red brick; 10% rolls and fragments of carpet. Gravel is angular of fine to coarse red brick, concrete ceramic and mixed lithologies. GMG		
					1.20	85.16		Recovered as 65% dark grey to brown, very sandy GRAVEL; 25% cobble sized fragments of red brick; 5% cobble sized fragments of plastic and fabrics; and 5% cobble sized fragments of timber. Gravel is subangular to rounded of fine to coarse suspected slag, red brick, glass, suspected clinker, and mixed lithologies. GMG		
		1.40	ES		1.90	84.46		<i>0.50m : Large concrete block (0.8m x 1.0m x 0.2m) at 0.50m.</i> Recovered as 40% dark grey to brown, very sandy / ashy GRAVEL; 20% cobble sized fragments of red brick; 10% cobble sized fragments of concrete; 10% large timber beams; 10% pieces of rope, 5% plastic sheeting; and 5% cobble sized fragments of ceramic. Gravel is angular to surrounded of fine to coarse suspected slag, suspected clinker, red brick, plastic, timber and mixed lithologies. CW		2
					2.40	83.96		<i>1.60m : Roll of carpet (1.50m x 0.25m) at 1.60m.</i> Recovered as 50% dark grey to brown, very gravelly, very clayey SAND; 15% cobble sized fragments of red brick; 10% timber laths (0.40m x 0.05m x 0.05m); 10% plastic bags (dated 1982) and tape; 10% boulder sized fragments of glass reinforced plastic; 5% cobble sized fragments of metal. Gravel is angular to subrounded of fine to coarse suspected slag, suspected clinker, plastic, metal, timber, glass and mixed lithologies. DW		
		2.50	ES		3.20	83.16		<i>2.00m : 300mm diameter paint tin and pram at 2.00m.</i> Recovered as 30% cobble to boulder sized fragments of timber; 15% very soft, dark grey, gravelly CLAY; 10% cobble sized fragments of fibreglass sheeting; 10% cobbles and boulder sized fragments of concrete; 15% cobble sized fragments of red brick; 10% metal bars and bundles of wiring; 5% cobble to boulder sized fragments of foam; 5% plastic bags and sheeting. Gravel is angular to subrounded of fine to coarse red brick, timber, concrete and mixed lithologies. DW		
					Base of Excavation at 3.20m					
									4	

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable. Large collapse at 2.00m.	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present. Dimensions generally provided in length x width x depth.

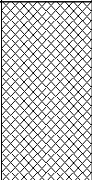
Trial Pit Log

TRIAL PIT REFERENCE

TP225

Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 26/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387884.38 N400403.29	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 0.60m
Logged By LT	Checked By JC	Approved By MP	Level 86.21m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.60	85.61		Recovered as 70% reddish brown, sandy GRAVEL; 20% boulder sized fragments of concrete and sandstone; and 10% cobble sized fragments of red brick. Gravel is angular to subangular of fine to coarse red brick, concrete, macadam and sandstone. GMG	1
								Base of Excavation at 0.60m	
									2
									3
									4

Trench Support and Comment				Pumping Data		
Pit Stability Stable	Shoring Used None	Remarks		Date	Rate	Remarks

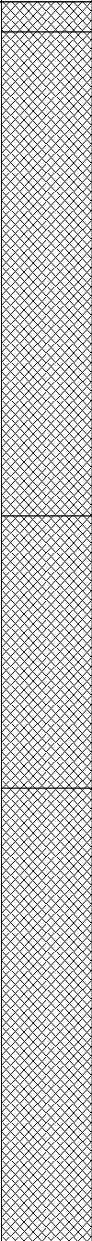
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP226
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 09/05/2022	
Location: Newton Heath		Contractor: TPH		Co-ords: E387763.94 N400291.40	
Project No. : LD10385		Excavator: Doosan 3CX		Dimensions :	Final Depth: 4.10m
Logged By JC	Checked By JC	Approved By MP	Level 94.07m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.10	93.97		Recovered as soft, greyish brown, slightly gravelly, sandy CLAY with frequent rootlets. Gravel is angular to subrounded of fine to coarse red brick, ceramic, glass and mixed lithologies. TF Recovered as 75% dark greyish brown, very sandy, very clayey GRAVEL; 15% cobble sized fragments of red brick; and 10% boulder sized fragments of concrete. Gravel is angular to subrounded of fine to coarse red brick, glass, ceramic, concrete and mixed lithologies. GMG	1
		1.50 1.50 1.50	B B ES		1.70	92.37		Recovered as 40% dark greyish brown, very sandy, clayey GRAVEL; 30% cobble sized fragments of slate; 10% plastic bags / sheeting; 10% cobble sized fragments of timber; 5% cobble sized fragments of red brick; and 5% boulder sized fragments of concrete. Gravel is angular to subangular of fine to coarse slate, red brick, glass and mixed lithologies. DW	2
					2.60	91.47		----- 2.50m : Bag of cement at 2.50m. ----- Recovered as 90% firm to stiff, greyish brown and dark brown, slightly sandy, slightly gravelly CLAY; and 10% cobble sized fragments of red brick. Gravel is angular to subangular of fine to coarse red brick and mixed lithologies. CMG ----- 3.00m : Plastic wrapper of planters peanuts at 4.00m. -----	3
		4.00 4.00	B ES		4.10	89.97		Base of Excavation at 4.10m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP227
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 26/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387641.77 N400202.84	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 4.10m
Logged By LT	Checked By JC	Approved By MP	Level 82.48m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.15			0.15	82.33		Recovered as 80% dark grey, angular to subangular fine to coarse GRAVEL of brick, concrete and sandstone; 20% cobble sized fragments of house bricks and sandstone. GMG	1
					0.90	81.58		Recovered as firm, brown and greyish brown, slightly gravelly, slightly sandy CLAY. Gravel is subangular of fine to medium red brick, slate, mudstone, coal, sandstone and mixed lithologies. CMG	
		1.10	ES					Recovered as 70% dark grey, sandy, stained orangish brown GRAVEL; 20% cobble sized fragments of mudstone and sandstone; 10% roots and rootlets. Gravel is angular to subangular of fine to coarse coal, mudstone, siltstone and sandstone. CS	
		1.50 – 2.00	B					1.20m - 4.10m : Rare cobbles of mudstone and siltstone.	
		2.50	B					2.30m - 4.10m : Sides unstable, frequent collapses.	2
									3
									4
					4.10	78.38		Base of Excavation at 4.10m	

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable from 2.3m bgl	None					

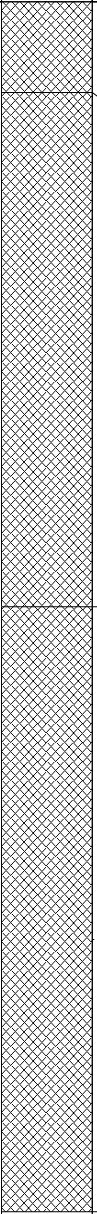
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP228
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 22/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387578.29 N400238.36	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 4.00m
Logged By JP	Checked By JC	Approved By MP	Level 83.18m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.30			0.30	82.88		Recovered as 80% dark grey, mottled black GRAVEL; and 20% cobble sized fragments of red brick. Gravel is angular to subangular of fine to coarse red brick, sandstone and suspected slag. GMG	1
		2.00	ES		2.00	81.18		Recovered as 65% dark grey to reddish brown, very gravelly SAND; 20% cobble sized fragments of red brick, 5% cobble sized fragments of glass; 5% plastic sheeting; and 5% boulder sized fragments of concrete. Gravel is angular to subrounded of fine to coarse red brick, concrete, ceramic, glass and timber GMG	2
		3.00	B					Recovered as 60% dark brown to grey, very sandy / ashy, very clayey GRAVEL; 20% cobble sized fragments of timber; 10% cobble sized fragments of red brick; 5% plastic bags / sheeting; and 5% cobble sized fragments of metal. Gravel is angular of fine to coarse red brick, plastic, metal and mixed lithologies. GMG	3
					4.00	79.18		Base of Excavation at 4.00m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

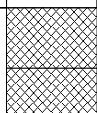
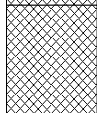
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP229
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 31/03/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387624.44 N400235.12	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 3.50m
Logged By MS	Checked By JC	Approved By MP	Level 83.31m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.70	ES		0.20	83.11		Recovered as 80% soft, dark brown and grey, slightly sandy, gravelly CLAY with frequent roots and rootlets; 10% cobble sized fragments of red brick; 10% cobble sized fragments of wood. Gravel is angular to surrounded of fine to coarse, red brick, timber and mixed lithologies. TF	1
					0.35	82.96		Recovered as 80% brown to orangish brown, very sandy, very clayey GRAVEL; 20% cobble sized fragments of red brick and concrete. Gravel is angular to subrounded of fine to coarse red brick, concrete, timber and mixed lithologies. GMG	
					1.40	81.91		Recovered as 60% reddish brown, very gravelly SAND; 25% cobble sized fragments of red brick; 5% cobble sized fragments of broken glass; 5% cobble sized bundles of fabric sheeting; 5% boulder sized fragments of concrete. Gravel is angular to subrounded of fine to medium of red brick, ceramic, glass, timber and concrete. DW	
		3.00	ES		2.30	81.01		Recovered as 65% dark grey to brown, very gravelly, very clayey SAND / ASH; 15% cobble sized fragments of red brick; 10% plastic sheeting and bags; 5% cobble sized fragments of wood; 5% glass bottles and glass fragments. Gravel is angular to subrounded of fine to coarse red brick, timber, plastic, glass and mixed lithologies. DW	2
					3.50	79.81		Recovered as 50% dark grey to brown, very gravelly, very clayey SAND / ASH; 20% cobble sized fragments of wood; 10% cobble sized fragments of red brick; 5% plastic bags and sheeting; 5% cobble sized fragments of crushed metal; 5% glass bottles; and 5% rubber and rubber tubing. Gravel is angular to subrounded of fine to coarse red brick, timber, plastic, glass and mixed lithologies. DW	
								3.30m - 3.50m : Increased timber content and occasional bundles of wire and cables between 3.30m and 3.50m.	3
								Base of Excavation at 3.50m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

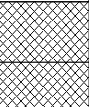
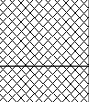
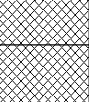
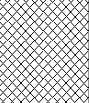
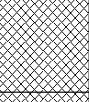
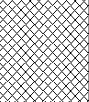
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP230
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 15/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387226.78 N400163.98	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 3.00m
Logged By JP	Checked By JC	Approved By MP	Level 76.40m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.10	ES		0.20	76.20		Recovered as 80% soft, dark grey, slightly gravelly, sandy CLAY with frequent roots and rootlets; 20% cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse of red brick, timber, suspected ACM, ceramic, glass and suspected clinker. TF	1
					0.60	75.80		Recovered as 90% dark grey to reddish brown, very sandy / ashy GRAVEL; 5% cobble sized fragments of suspected slag; 5% cobble sized fragments of ceramic piping (up to 0.1m diameter). Gravel is angular to rounded, of fine to coarse suspected slag, suspected clinker, glass and mixed lithologies. CW	
					0.90	75.50		0.30m : Boulder of concrete at 0.30m. Recovered as firm to stiff, brown, mottled light grey and orange, slightly sandy CLAY. CMG	
		1.50	ES		1.80	74.60		Recovered as 85% dark grey, stained black, very sandy GRAVEL; 5% cobble sized fragments of red brick; 5% cobble sized fragments of suspected slag; 5% cobble sized fragments of concrete. Gravel is angular to rounded of fine to coarse suspected slag, suspected clinker, red brick, glass and mixed lithologies. CW	2
					2.50	73.90		2.40m - 2.50m : Stained black between 2.40m and 2.50m. Recovered as very soft to firm, brown, mottled red, slightly gravelly, silty CLAY. Gravel is angular of fine to coarse redbrick, slate, glass, suspected slag and suspected clinker. CMG	
					3.00	73.40		2.50m - 3.00m : Multiple collapses between 2.50m and 3.00m. Recovered as stiff, brown, mottled light grey and light brown, slightly sandy, slightly gravelly CLAY. Gravel is subrounded of fine to coarse mixed lithologies. CGT	
								Base of Excavation at 3.00m	3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable from 1.6m bgl	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP231
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 19/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387262.76 N400143.95	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 2.00m
Logged By MS	Checked By JC	Approved By MP	Level 76.08m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		1.00	ES		0.30	75.78		Recovered as 80% soft, dark brown and grey, slightly gravelly, sandy CLAY with frequent roots and rootlets; 10% cobble sized fragments of red brick; 5% cobble sized fragments of wood; and 5% cobble sized fragments of plastic. Gravel is angular to subrounded of fine to coarse red brick and mixed lithologies. TF	1
					0.60	75.48		Recovered as 90% soft, red and brown, slightly gravelly, sandy CLAY with occasional cobble to boulder sized pockets of decomposed grass cuttings; and 10% cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse red brick and mixed lithologies; CMG	
					1.60	74.48		Recovered as 90% soft, reddish brown to brown, slightly gravelly, sandy CLAY; 10% cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse red brick and mixed lithologies. CMG	
					2.00	74.08		Recovered as firm, brown to light grey and yellow, slightly sandy, slightly gravelly CLAY. Gravel is angular to subrounded of fine to coarse of mixed natural lithologies. CGT	
								Base of Excavation at 2.00m	2
									3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable from 0.80m bgl.	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP232
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date:	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387236.74 N400122.31	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 3.20m
Logged By MS	Checked By JC	Approved By MP	Level 75.26m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.30	74.96		Recovered as 80% soft, dark brown and grey, slightly gravelly, sandy CLAY with frequent roots and rootlets; 10% cobble sized fragments of red brick; 5% cobble sized fragments of wood; 5% cobble sized fragments of plastic. Gravel is angular to subrounded of fine to coarse red brick and mixed lithologies. TF	1
					1.80	73.46		Recovered as 70% soft, dark brown and reddish brown, slightly gravelly, sandy CLAY; 10% cobble sized fragments of red brick; 10% cobble sized fragments of wood; 10% cobble sized fragments of concrete. Gravel is angular to subrounded of fine to coarse red brick, plastic, timber and mixed lithologies. CMG <i>0.50m : Minor spalling at 0.50m.</i>	2
					3.20	72.06		Recovered as firm, brown to light grey and yellow, slightly sandy, slightly gravelly CLAY. Gravel is angular to subrounded of fine to coarse mixed natural lithologies. CGT	3
								Base of Excavation at 3.20m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable from 0.50m bgl.	None					

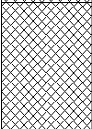
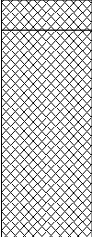
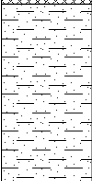
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP233
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date:	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387193.93 N400166.69	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 4.00m
Logged By JP	Checked By JC	Approved By MP	Level 76.48m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		1.00 – 1.70	ES		0.30	76.18		Recovered as dark grey to dark brown, gravelly, silty SAND with frequent roots and rootlets. Gravel is angular to rounded of red brick, suspected slag and mixed lithologies. TF Recovered as 90% dark grey, sandy GRAVEL; 5% cobble sized fragments of suspected slag; 5% cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse suspected slag, suspected clinker, red brick, timber and mixed lithologies. CW	1
					0.90	75.58		Recovered as soft to firm, brown, mottled light grey, slightly sandy / ashy, gravelly CLAY. Gravel is angular to subrounded of fine to coarse slate, red brick, glass, suspected slag and mixed lithologies. CMG Recovered as 80% dark grey, very sandy / ashy, silty GRAVEL; 10% cobble sized fragments of slate; 5% cobble sized fragments of suspected slag; 5% cobble sized fragments of red brick. Gravel is angular to rounded of fine to coarse red brick, slate, suspected slag, suspected clinker, glass and mixed lithologies. CW	
					1.00	75.48		Recovered as soft to firm, brown, mottled light grey, slightly sandy / ashy, gravelly CLAY. Gravel is angular to subrounded of fine to coarse slate, red brick, glass, suspected slag and mixed lithologies. CMG Recovered as 80% dark grey, very sandy / ashy, silty GRAVEL; 10% cobble sized fragments of slate; 5% cobble sized fragments of suspected slag; 5% cobble sized fragments of red brick. Gravel is angular to rounded of fine to coarse red brick, slate, suspected slag, suspected clinker, glass and mixed lithologies. CW	
					2.90	73.58		Recovered as soft to firm, black, silty CLAY. Slight hydrocarbon odour CMG 2.90m - 3.40m : Hydrocarbon sheen noted on water.	3
					3.40	73.08		Recovered as stiff, brown, mottled grey, slightly sandy CLAY. Sand is fine to medium. CGT	
					4.00	72.48		Base of Excavation at 4.00m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP234
Sheet 1 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 18/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387200.44 N400204.18	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 5.00m
Logged By JP	Checked By JC	Approved By MP	Level 76.71m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.40	76.31		Recovered as 90% soft, dark brown, sandy / ashy, gravelly CLAY with frequent roots and rootlets; 5% cobble sized fragments of red brick; 5% cobble sized fragments of timber. Gravel is angular to subrounded of fine to coarse timber, red brick and mixed natural lithologies. TF	1
					2.00	74.71		Recovered as 80% dark grey, very sandy / ashy, very clayey GRAVEL; 10% cobble sized fragments of red brick; and 10% cobble sized fragments of concrete. Gravel is angular to subrounded of fine to coarse red brick, suspected clinker, suspected slag and mixed lithologies. CW	2
								Recovered as 80% dark grey, very sandy / ashy, very clayey GRAVEL; and 20% cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse red brick, suspected slag and mixed lithologies. CW 2.10m : Slight groundwater seepage at 2.10m.	3
		3.50	ES		4.00	72.71		Recovered as firm, brown, light grey and yellow mottled, slightly sandy, slightly gravelly CLAY. Gravel is angular to subrounded of fine to coarse mixed natural lithologies. CGT	4
					5.00	71.71			

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

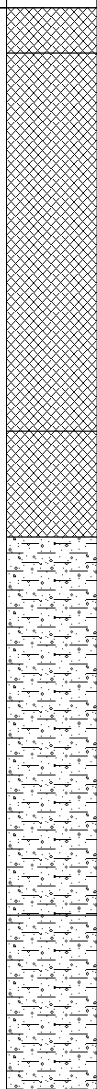
Trial Pit Log

TRIAL PIT REFERENCE

TP235

Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 04/02/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387486.98 N400369.80	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 3.60m
Logged By MS	Checked By JC	Approved By MP	Level 82.92m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.15	82.77		Recovered as 80% soft, dark brown to dark grey, slightly gravelly, sandy CLAY with frequent roots and rootlets; 10% cobble sized fragments of red brick; 10% plastic bags and cables. Gravel is angular to subrounded of fine to coarse timber, plastic, red brick, concrete and mixed lithologies. TF Recovered as dark grey, light brown, red and black sandy GRAVEL; 20% cobble sized fragments of red brick; 10% plastic bags, piping fragments and cables; 5% boulder sized fragments of concrete. Gravel is angular to rounded of fine to coarse red brick, ceramic and mixed lithologies. GMG <i>1.10m : Large boulder of concrete (0.7m x 0.4m x 0.2m) at 1.10m.</i>	1
		1.40	ES		1.40	81.52		Recovered as 55% reddish brown, very gravelly, silty SAND; 10% cobble to boulder sized fragments of metal sheeting and containers (up to 0.5m x 0.5m x 0.5m); 10% cobble sized fragments of plastic; 10% cobble sized fragments of metal tins and piping; 5% cobble sized bundles of fabric; 5% cobble sized fragments of ceramic; and 5% cobble sized fragments of sandstone. Gravel is angular to subrounded of fine to coarse red brick, plastic, metal, fabric and mixed lithologies. DW	2
		2.20	ES					Recovered as soft to firm, yellow to orangish brown, slightly gravelly, sandy CLAY. Gravel is angular to subrounded of fine to coarse sandstone. Occasionally consolidated into cobble and boulder sized fragments. CGT	
					3.00	79.92		<i>2.90m : Boulder sized lense of yellow to orange, fine to medium sand at 2.90m.</i> Recovered as firm, grey, mottled yellow, slightly sandy, slightly gravelly CLAY. Gravel is angular to subrounded of fine to coarse mixed lithologies.	3
					3.60	79.32		Base of Excavation at 3.60m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks
 Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
 Dimensions generally provided in length x width x depth.

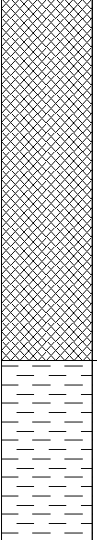
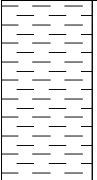
Trial Pit Log

TRIAL PIT REFERENCE

TP236

Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 29/03/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387455.23 N400371.83	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 3.30m
Logged By	Checked By JC	Approved By MP	Level 81.80m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.50 – 0.70	ES					Recovered as brick, metal, floor tiles, suspected asbestos cement, rock wall insulation with some plastic bags in a dark brown, very sandy, clayey GRAVEL matrix. Gravel is angular, fine to coarse of the above. DW	1
		1.50 1.50 1.50 – 1.70	B B ES		1.50	80.30		Recovered as firm, brown, mottled orangish brown, sandy CLAY with occasional brown sand layers. RNG	2
		2.50 2.50	B B		2.70	79.10		Stiff, brown CLAY CGT	3
					3.30	78.50		Base of Excavation at 3.30m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

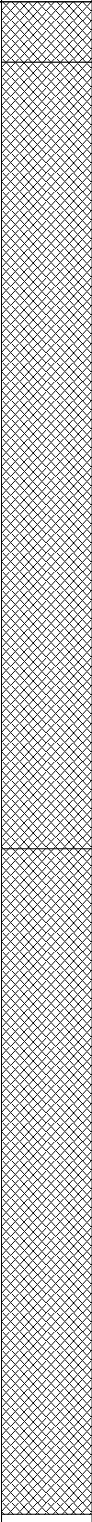
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP237
Sheet 1 of 2

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 20/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387318.92 N400273.42	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 5.00m
Logged By MS	Checked By JC	Approved By MP	Level 78.63m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.20	78.43		Recovered as 90% soft, brown to orange, slightly gravelly sandy CLAY; 10% cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse red brick, plastic, timber and mixed lithologies. TF	1
		2.00	ES					Recovered as 60% dark grey to black, very gravelly, very clayey SAND / ASH; 10% cobble sized fragments of red brick; 10% glass bottles; 10% cobble sized bundles of metal wire and sheeting fragments; 5% cobble sized fragments of wood; 5% cobble sized fragments of plastic. Gravel is angular to subrounded of fine to coarse suspected clinker, red brick and mixed lithologies. DW 0.80m : Minor spalling at 0.80m.	2
					2.80	75.83		Recovered as 80% firm, reddish brown, slightly sandy, slightly gravelly CLAY; and 20% cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse red brick, concrete and mixed lithologies. CMG	3
		4.00	ES						4
		4.50 4.50	B B						
					5.00	73.63			

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable from 0.80m bgl.	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 20/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387318.92 N400273.42	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions : E m	Final Depth: 5.00m
Logged By MS	Checked By JC	Approved By MP	Level 78.63m AoD		Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
								Base of Excavation at 5.00m	6
									7
									8
									9

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General Remarks	
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Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present. Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP238
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 20/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387355.48 N400231.91	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 4.90m
Logged By MS	Checked By JC	Approved By MP	Level 78.65m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.15	78.50		Recovered as 60% soft, dark brown to grey, gravelly CLAY with frequent roots and rootlets; 20% cobble sized fragments of red brick; 10% cobble sized fragments of wood; and 10% cobble sized fragments of plastic. Gravel is angular to subrounded of fine to coarse red brick, plastic and wood. TF Recovered as 50% dark grey, mottled reddish brown, very gravelly, very clayey, SAND / ASH; 20% cobble sized fragments of red brick; 10% plastic bags and pipes; 10% cobble sized fragments of ceramic; 5% cobble sized fragments of glass; 5% cobble sized fragments of wood. Gravel is angular to subrounded fine to coarse of red brick, ceramic, timber, plastic and mixed lithologies. CW 1.50m : Occasional cobble sized inclusions of soft, white clay from 1.50m 2.00m - 3.50m : Lenses of red dye visible. 2.00m - 4.90m : Strong chemical and hydrocarbon odour. 3.50m - 4.00m : Lenses of reddish brown dye visible.	1
									2
									3
									4
		4.00	ES						
					4.90	73.75		Base of Excavation at 4.90m	

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Minor spalling.	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present. Dimensions generally provided in length x width x depth.

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 08/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387645.36 N400387.73	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 3.80m
Logged By JP	Checked By JC	Approved By MP	Level 85.11m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		1.40	ES		0.40	84.71		Recovered as 90% soft, dark brown, slightly sandy, slightly gravelly CLAY with occasional roots and rootlets; 5% cobble sized fragments of red brick; and 5% cobble sized fragments of timber. Gravel is angular to subrounded of fine to coarse red brick, timber and mixed lithologies. TF	1
					1.00	84.11		Recovered as 50% soft, dark brown, mottled orangish grey, slightly sandy, slightly gravelly CLAY; 20% cobble sized fragments of red brick; 10% cobble sized fragments of concrete; 5% boulder sized fragments of concrete; 5% cobble sized fragments of porcelain; 5% cobble sized fragments of rubber; and 5% cobble sized fragments of metal. Gravel is angular to subangular of fine to coarse red brick, suspected slag, suspected clinker and mixed lithologies. DW	
					1.60	83.51		Recovered as 75% dark grey to black, gravelly, very clayey SAND / ASH; 10% cobble sized fragments of red brick; 5% cobble sized fragments of timber; 5% plastic sheeting and tape; and 5% cobble sized fragments of metal. Gravel is subangular to subrounded of fine to coarse red brick, suspected slag, suspected clinker and mixed lithologies. CW	
		2.40	ES					Recovered as 50% dark grey to black, gravelly, very clayey SAND / ASH; 20% boulder sized pockets of light brown sand; 15% cobble sized fragments of timber; 5% cobble sized fragments of red brick; 5% metal tubes and exhausts; and 5% plastic bags and sheeting. Gravel is subangular to subrounded of fine to coarse red brick, suspected slag, suspected clinker, glass and mixed lithologies. CW	2
									3
					3.80	81.31		Base of Excavation at 3.80m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Minor spalling						

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE

TP240

Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 21/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387553.70 N400146.72	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 2.50m
Logged By MS	Checked By JC	Approved By MP	Level 81.55m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.20	81.35		Recovered as 85% soft, dark grey to brown, sandy, gravelly CLAY; 10% cobble sized fragments of red brick; 5% cobble sized fragments of timber. Gravel is angular to subrounded of fine to coarse suspected slag, suspected clinker, red brick and mixed lithologies. TF	
								Recovered as 45% dark grey to brown, very sandy, very clayey, GRAVEL; 15% cobble sized fragments of red brick; 10% cobble sized fragments of plastic sheeting, piping, and containers; 5% cobble sized fragments of timber; 10% boulder sized bundles of carpet; 10% boulder sized fragments of metal; 5% cobble sized fragments of glass bottles. Gravel is angular to subrounded of fine to coarse red brick, plastic, wood, glass, fabric and mixed lithologies. HW	1
		2.00	ES						2
					2.50	79.05		Base of Excavation at 2.50m	3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable.	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

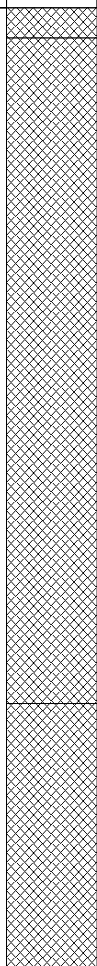
Trial Pit Log

TRIAL PIT REFERENCE

TP242

Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 09/05/2022	
Location: Newton Heath		Contractor: TPH		Co-ords: E387592.57 N400325.78	
Project No. : LD10385		Excavator: Doosan 3CX		Dimensions :	Final Depth: 3.20m
Logged By JC	Checked By JC	Approved By MP	Level 84.83m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.10	84.73		Recovered as dark brown, gravelly, very clayey, fine to medium SAND with frequent rootlets and roots (10mm diameter). Gravel is angular to subangular of fine to coarse mixed lithologies. TF Recovered as 70% dark greyish brown, very gravelly, very clayey, fine to medium SAND; 15% cobble sized fragments of red brick; 10% cobble to boulder sized fragments of concrete; and 5% plastic sheeting. Gravel is angular to subrounded of fine to coarse red brick, glass, timber, ceramic and mixed lithologies. DW 0.40m : Large boulder sized pocket of smashed glass at 0.40m.	1
								1.50m : Tarpaulin sheet and occasional crisp wrappers at 1.50m.	
								2.00m : Boulder sized fragment of crumpled metal at 2.00m.	2
								2.10m : Plastic bag full of cassettes at 2.10m.	
		2.50	B		2.30	82.53		Recovered as 80% light greyish brown, very gravelly, fine to medium SAND; 10% cobble sized fragments of red brick; 5% cobble sized fragments of concrete; and 5% cobble sized fragments of timber beams / laths. Gravel is angular to subangular of fine to coarse red brick, concrete and mixed lithologies. DW 2.40m : Excavator bucket scraping and hard digging at 2.40m.	3
		2.50	B						
		2.50	ES						
					3.20	81.63		Base of Excavation at 3.20m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

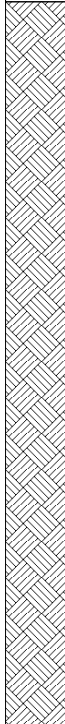
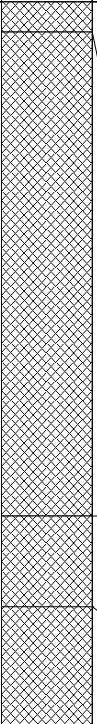
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP243
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 09/05/2022	
Location: Newton Heath		Contractor: TPH		Co-ords: E387614.78 N400299.66	
Project No. : LD10385		Excavator: Doosan 3CX		Dimensions :	Final Depth: 2.40m
Logged By JC	Checked By JC	Approved By MP	Level 84.81m AoD	E m	Orientation °

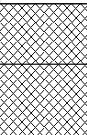
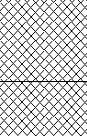
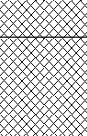
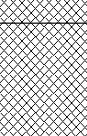
Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.10	84.71		Recovered as dark brown, gravelly, very clayey, fine to medium SAND with frequent rootlets. Gravel is angular to subrounded of fine to coarse mixed lithologies. TF Recovered as 90% dark grey to black, very gravelly, very clayey SAND; and 10% cobble sized fragments of red brick. Gravel is angular to subangular of fine to coarse red brick, ceramic and mixed lithologies. GMG	1
					1.70	83.11		Recovered as firm, light brown and grey mottled, slightly sandy, slightly gravelly CLAY. Gravel is angular to subangular of fine to medium red brick, ceramic, glass and mixed lithologies. CMG	
					2.00	82.81		Recovered as 90% damp, dark grey, very sandy / ashy, clayey GRAVEL; and 10% cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse gravel of red brick, suspected clinker, concrete and mixed lithologies. GMG	
					2.40	82.41		2.00m : Excavator bucket scraping with hard digging from 2.00m. Base of Excavation at 2.40m	
									3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 01/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387576.44 N400130.02	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 2.00m
Logged By MS	Checked By JC	Approved By MP	Level 81.29m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.70 – 1.00	ES		0.20	81.09		Recovered as 80% soft, dark brown to dark grey, slightly sandy, gravelly CLAY with occasional roots and rootlets; 10% cobble sized fragments of red brick; 5% cobble sized fragments of wood; 5% boulder to cobble sized fragments of concrete. Gravel is angular to subrounded of fine to coarse red brick, concrete, timber and mixed lithologies. TF	1
					0.70	80.59		Recovered as 70% dark brown to dark grey, very sandy, very clayey, GRAVEL; 20% cobble sized fragments of red brick; 5% cobble sized fragments of foam and fabric; 5% cobble sized fragments of plastic. Gravel is angular to subrounded of fine to coarse red brick, timber, plastic and mixed lithologies. GMG	
					1.00	80.29		Recovered as 70% brown to orangish brown, very gravelly, very clayey SAND / ASH; 10% boulder sized fragments of concrete; 10% cobble sized fragments of red brick; 5% cobble sized fragments of wood; 5% cobble sized fragments of plastic. Gravel is angular to subrounded of fine to coarse red brick, plastic, wood and mixed lithologies. GMG	
		1.80	ES		1.40	79.89		Recovered as 50% dark grey, very gravelly, very clayey SAND / ASH; 15% cobble sized fragments of wood and timber board; 10% plastic bags, ropes and lids; 10% cobble sized bundles of fabric; 10% cobble sized fragments of metal and bundles of wire and cable; 5% breeze blocks. Gravel is angular to subrounded of fine to coarse of brick, plastic, wood and mixed lithologies. HW	
					2.00	79.29		1.20m : Concrete slab fragment with rebar (2.0m x 1.0m x 0.25m) at 1.20m. Groundwater also encountered. Recovered as 50% dark grey to black, very sandy / ashy, clayey GRAVEL; 10% cobble sized fragments of red brick; 10% cobble sized fragments of timber; 10% plastic netting, bags, bottles; 5% boulder to cobble sized fragments of concrete; 5% metal exhaust pipes; 5% cobble sized fragments of polystyrene floating on water; 5% cobble sized fragments of glass. Gravel is angular to subrounded of fine to coarse red brick, wood, plastic, glass, polystyrene and metal. HW	
								Base of Excavation at 2.00m	2
									3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable from 1.00m bgl.	None					

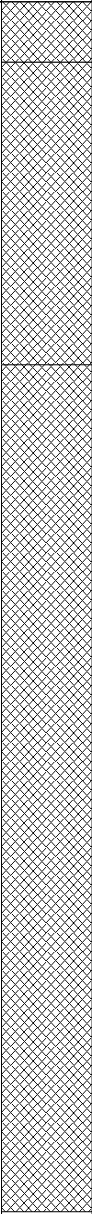
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP245
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 20/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387478.44 N400208.66	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 4.00m
Logged By MS	Checked By JC	Approved By MP	Level 81.29m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.20	81.09		Recovered as 75% dark brown, slightly gravelly, sandy CLAY; 15% cobble sized fragments of red brick; 5% cobble sized fragments of wood; 5% plastic bags. Gravel is angular to subrounded of fine to coarse of brick, suspected slag and mixed lithologies. TF	1
					1.20	80.09		Recovered as 55% dark grey, very gravelly, very clayey SAND / ASH; 20% cobble sized fragments of red brick; 10% cobble sized bundles of carpet and fabric; 5% plastic bags; 5% cobble sized fragments of wood; 5% boulder sized fragments of carpet. Gravel is angular to subrounded of fine to coarse suspected slag, suspected clinker, red brick and wood. HW	
		2.00	ES					Recovered as 40% dark grey, very gravelly, very clayey SAND / ASH; 15% cobble sized fragments of red brick; 15% cobble sized fragments of plastic including traffic cones, containers and bags; 10% alloy wheels and tyres; 10% cobble sized fragments of wood; 5% metal tubing; 5% cobble sized bundles of fabric and carpet. Gravel is angular to subrounded of fine to coarse suspected slag, suspected clinker, red brick and wood. HW	
								2.00m - 3.00m : Strong hydrocarbon odour between 2.00m and 3.00m.	
					4.00	77.29		Base of Excavation at 4.00m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP246
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date:	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387317.38 N400180.60	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 3.80m
Logged By MS	Checked By JC	Approved By MP	Level 77.24m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.30	76.94		Recovered as 80% soft, dark brown, gravelly, sandy CLAY; 10% cobble sized fragments of red brick; 10% cobble sized fragments of concrete. Gravel is angular to subrounded of fine to coarse red brick, concrete, wood and mixed lithologies TF	
								Recovered as 80% dark grey to black, mottled reddish brown and orange, very sandy / ashy GRAVEL; 10% cobble sized fragments of red brick; 10% cobble sized inclusions of reworked firm, brown, gravelly clay. Gravel is angular to subangular of fine to coarse red brick, suspected slag, suspected clinker and mixed lithologies CW	
		1.50	B					0.50m - 0.60m : Layer of red bricks.	1
									2
									3
					3.80	73.44		3.70m - 3.80m : Frequent boulder sized inclusions of clay between 3.70m and 3.80m Base of Excavation at 3.80m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable from 0.90m bgl.	None					

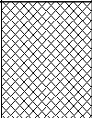
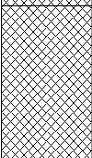
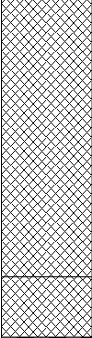
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP247
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 19/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387290.79 N400179.07	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 3.50m
Logged By MS	Checked By JC	Approved By MP	Level 77.22m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.40			0.40	76.82		Recovered as 80% soft, dark brown, slightly gravelly, sandy CLAY; 10% cobble sized fragments of red brick; 10% cobble sized fragments of concrete. Gravel is angular to subrounded of fine to coarse red brick, concrete, wood and mixed lithologies. TF	1
		1.60	ES					Recovered as 80% dark grey to black, cream and reddish brown, very sandy / ashy GRAVEL; 10% cobble sized inclusions of soft to firm, dark greyish brown, sandy / ashy clay; 10% cobble sized inclusions of soft to firm, brown sandy clay. Gravel is angular to subangular of fine to coarse suspected slag, suspected clinker, red brick and mixed lithologies. CW <i>0.90m - 1.60m : Occasional cobble to boulder sized lenses of soft to firm, yellow and orange mottled, sandy clay and soft, white and cream mottled, sandy / ashy clay between 0.90m and 1.60m.</i>	
		2.00 – 2.20	ES		2.00	75.22		Recovered as dark brown to dark grey, very gravelly, very clayey SAND. Gravel is angular to subrounded of fine to coarse red brick and mixed lithologies. Slight hydrocarbon odour. GMG	2
		2.20			2.20	75.02		Recovered as firm, brown, light grey and yellow mottled, slightly sandy, slightly gravelly CLAY. Gravel is angular to subrounded of fine to coarse mixed lithologies. CGT	
		2.50	B						3
					3.50	73.72		Base of Excavation at 3.50m	
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

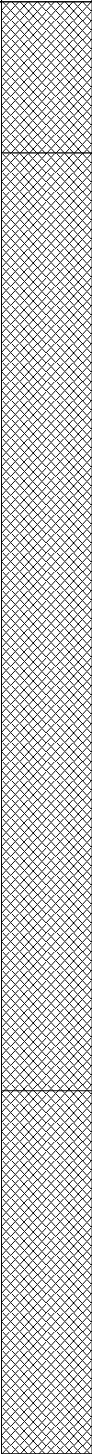
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present. Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP248
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 20/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387300.71 N400245.55	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 4.80m
Logged By MS	Checked By JC	Approved By MP	Level 77.88m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.50	77.38		Recovered as 80% soft, brown, sandy, gravelly CLAY; 10% cobble sized fragments of ceramic; and 10% cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse red brick, ceramic and mixed lithologies. TF <i>0.30m - 3.60m : Occasional cobbles of orange to brown gravelly sandy clay between 0.30m and 3.60m</i>	1
		1.00	ES					Recovered as 60% dark grey to black, very gravelly, very clayey SAND / ASH; 10% cobble sized fragments of red brick; 10% cobble sized fragments of ceramic; 5% cobble sized fragments of timber; 5% cobbles sized fragments of mudstone; 5% cobble sized fragments of glass; and 5% cobble sized fragments of metal. Gravel is angular to subrounded of fine to coarse ceramic, suspected slag and suspected clinker. CW	
		1.40	B						
								<i>2.00m - 4.80m : Spalling of sides between 2.00m and 4.80m</i> <i>2.05m - 4.80m : Hydrocarbon sheen noted on water between 2.05m and 4.80</i>	
					3.60	74.28		Recovered as 50% soft, dark grey to black, very gravelly, very clayey SAND / ASH; 15% cobble sized fragments of ceramic and tiles; 10% cobble sized fragments of wood; 15% cobble sized fragments of red brick; 5% cobble sized fragments of glass; and 5% cobble sized fragments of metal. Gravel is angular to subrounded of fine to coarse ceramic, suspected slag, metal and suspected clinker CW	4
		4.50	ES						
					4.80	73.08		Base of Excavation at 4.80m	

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Unstable from 2.00m bgl.	None					

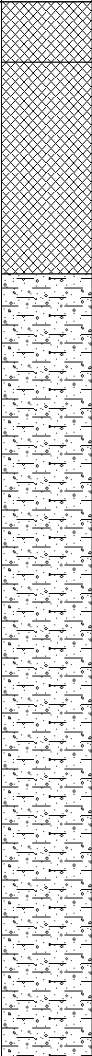
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP250
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 21/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387452.70 N400140.01	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 3.50m
Logged By MS	Checked By JC	Approved By MP	Level 80.14m AoD	E m	Orientation °

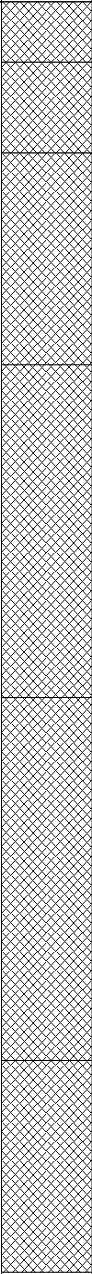
Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
	 	1.00	B B ES		0.20	79.94		Recovered as 95% dark brown to grey, slightly sandy, slightly gravelly CLAY; and 5% cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse suspected slag, suspected clinker, red brick and mixed lithologies. TF	1
		1.00			0.90	79.24		Recovered as 70% dark grey to brown, very gravelly, very clayey SAND / ASH; 15% cobble sized fragments of red brick; 5% cobble sized fragments of wood; 5% cobble sized fragments of glass; 5% cobble sized plastic fragments. Gravel is angular to subrounded fine to coarse of suspected slag, suspected clinker, red brick, wood, glass and mixed lithologies. CW	
		1.00						Recovered as firm, orangish brown to greyish brown, slightly gravelly, sandy CLAY. Gravel is angular to subrounded of fine to coarse mixed natural lithologies. CGT	
					3.50	76.64		Base of Excavation at 3.50m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 25/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387535.79 N400381.98	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 4.20m
Logged By JC	Checked By JC	Approved By MP	Level 83.75m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.20	83.55		Recovered as 80% dark brown to black, very gravelly, very clayey, fine to medium SAND; 10% rootlets; and 10% cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse mixed lithologies. TF	1
		0.60	ES		0.50	83.25		Recovered as 60% dark brown to black, very sandy GRAVEL; 20% cobble sized fragments of red brick; 10% cobble to boulder sized fragments of concrete; 5% cobble sized inclusions of stiff, dark brown, stained green, sandy clay; and 5% plastic bags / sheeting. Gravel is angular to subrounded of fine to coarse red brick, glass, concrete and mixed lithologies. DW	
		1.00	B		1.20	82.55		Recovered as 30% light brown to dark brown, very sandy GRAVEL; 20% cobble sized fragments of red brick; 15% cobble to boulder sized bundles of fabric / clothes; 10% cobble to boulder sized fragments of concrete; 10% plastic bags / sheeting; 10% cobble sized fragments of timber; and 5% cobble sized fragments of metal. Gravel is angular to subrounded of fine to coarse red brick, metal, nails, glass, timber and mixed lithologies. HW 0.80m : A boulder sized fragment of crumpled metal at 0.80m. Becoming very clayey from this depth. 1.00m : Occasional breeze blocks and glass bottles at 1.00m.	
		2.00	ES		2.30	81.45		Recovered as 90% firm, light brown, mottled orangish brown, stained black, slightly sandy, slightly gravelly CLAY; 5% cobble sized fragments of red brick; and 5% cobble sized fragments of fabric. Gravel is angular to subrounded of fine to coarse red brick and mixed natural lithologies. Diesel odour. CMG 1.20m : Occasional rubber shoe soles, an electronic motherboard and plastic paint tin at 1.20m.	
		3.00	ES		3.50	80.25		Recovered as 85% firm, light brown, mottled orangish brown, stained black, slightly sandy, slightly gravelly CLAY; 5% cobble sized fragments of red brick; and 5% cobble sized fragments of ceramic; and 5% cobble sized fragments of timber. Gravel is angular to subrounded of fine to coarse red brick and mixed natural lithologies. Diesel odour. CMG 2.90m : Becoming soft and wet from 2.90m. 3.00m : Plastic 20 gallon drum at 3.00m. 3.20m : Boulder sized fragment of MDF board at 3.20m. 3.30m : Slight groundwater seepage at 3.30m.	
					4.20	79.55		Recovered as 70% soft, wet, dark grey to black, slightly sandy CLAY; 20% rootlets; and 10% cobble sized timber fragments. Organic / earthy odour. TF	
								Base of Excavation at 4.20m	

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

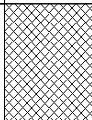
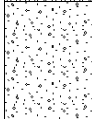
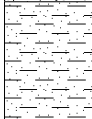
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present. Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP252
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 25/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387528.11 N400136.58	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 2.80m
Logged By JC	Checked By JC	Approved By MP	Level 81.70m AoD	6.50m 1.00m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale	
		Depth (m)	Type	Results						
		0.10	ES		0.40	81.30		Recovered as 70% soft, dark brown, slightly gravelly, sandy CLAY; 10% rootlets and roots (5mm diameter); 10% cobble sized fragments of red brick; and 10% cobble to boulder sized fragments of concrete. Gravel is angular to subrounded of fine to coarse red brick, concrete, glass, ceramics and mixed lithologies.	1	
						TF	Recovered as 40% brown, very gravelly, very clayey SAND; 40% cobble sized fragments of red brick; and 20% cobble to boulder sized fragments of concrete. Gravel is angular to subrounded of fine to coarse red brick, concrete, glass, ceramics and mixed lithologies.			
						0.80	80.90			DW 0.70m - 1.50m : Within the extended western section of the excavation natural sand strata comes in at 0.70m.
		1.00	B					Recovered as 45% dark brown, very gravelly, very clayey SAND; 10% cobble to boulder sized fragments of timber beams / laths; 10% cobble to boulder sized fragments of concrete; 10% cobble to boulder sized bundles of fabric; 10% cobble sized fragments of red brick; 5% plastic bottles; 5% plastic paint tins; and 5% plastic bulk bags. Gravel is angular to subrounded of fine to coarse red brick, concrete, timber, ceramic and mixed lithologies.		
		1.30	ES					HW 1.00m : Entire metal sink unit at the northern end of the excavation at 1.00m. 1.30m : Occasional plastic cups at 1.30m. 1.40m : Bottle of co-op fabric softener at 1.40m.		
						1.50	80.20			Light brown, stained black in places, fine to medium SAND with a little subrounded, fine gravel of mixed natural lithologies.
										GGT 1.50m : Black bin bag full of paper, plastic wrappers and kitchen roll at 1.50m. 2.10m : Slight seepage of groundwater at 2.10m.
		2.10	B							
						2.40	79.30			Firm to stiff, brown, sandy CLAY with rare subrounded, fine to medium gravel of mixed natural lithologies.
						2.80	78.90			2.70m : Becoming slightly sandy from 2.70m.
						Base of Excavation at 2.80m			3	
									4	

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Collapse of the excavation sides at 2.40m and 2.80m in natural sands.						

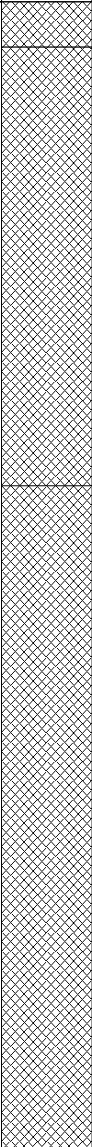
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.
Trial pit extended westwards to delineate highwall.

Trial Pit Log

TRIAL PIT REFERENCE
TP253
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 04/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387540.90 N400365.03	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 3.80m
Logged By MS	Checked By JC	Approved By MP	Level 83.92m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.15	83.77		Recovered as 80% dark grey to dark brown, slightly sandy, gravelly CLAY; 20% cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse red brick, concrete, ceramic and mixed lithologies. TF	1
		1.40	ES					Recovered as 60% dark grey, very gravelly, very clayey SAND / ASH; 20% cobble sized fragments of red brick; 10% cobble sized fragments of metal pipe and fixings; 5% cobble sized fragments of plastic tubes, bags and sheeting; 5% cobble sized fragments of glass. Gravel is angular to subrounded of fine to coarse red brick, metal, plastic and mixed lithologies. DW	
					1.60	82.32		1.00m : Boulder sized fragment of plastic sheeting at 1.00m.	
								Recovered as 70% dark grey to dark brown, very gravelly, very clayey SAND / ASH; 10% cobble sized fragments of polystyrene, plastic bags and sheeting; 10% cobble sized fragments of red brick; 5% cobble sized fragments of glass; 5% cobble sized fragments of concrete. Gravel is angular to subrounded of fine to coarse suspected slag, suspected clinker, red brick and mixed lithologies. GMG	2
									3
		3.80	ES		3.80	80.12		Base of Excavation at 3.80m	4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Spalling below 3.00m.	None					

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP254
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 09/05/2022	
Location: Newton Heath		Contractor: TPH		Co-ords: E387540.29 N400333.78	
Project No. : LD10385		Excavator: Doosan 3CX		Dimensions :	Final Depth: 1.60m
Logged By JC	Checked By JC	Approved By MP	Level 84.14m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.10	84.04		Recovered as dark greyish brown, gravelly, very clayey, fine to medium SAND with frequent rootlets. Gravel is angular to subrounded of fine to coarse mixed lithologies. TF Recovered as 40% cobble sized fragments of red brick; 40% dark greyish brown, very sandy GRAVEL; 15% plastic bags / sheeting; and 5% cobble sized fragments of fabric. Gravel is angular of fine to coarse red brick, ceramic, timber, plastic and mixed lithologies. DW 1.00m : 2 No. ten litre fuel cans at 1.00m. 1.20m : Metal fireplace grate at 1.20m 1.30m : Ceramic milk bottle at 1.30m 1.50m : 2 No. plastic laundry baskets and bundles of hose pipe at 1.50m. Base of Excavation at 1.60m	1
		1.30 1.30 1.30	B B ES		1.60	82.54			2
									3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Large collapse of the excavation sides at 1.60m.						

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP256
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 26/04/2022	
Location: Newton Heath		Contractor: Lomond		Co-ords: E387574.30 N400284.73	
Project No. : LD10385		Excavator: 14t tracked JCB		Dimensions :	Final Depth: 2.30m
Logged By LT	Checked By JC	Approved By MP	Level 84.04m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.35	ES		0.50	83.54		Recovered as 95% dark grey, very sandy / ashy GRAVEL; and 5% plastic bags. Gravel is angular to subangular of fine to coarse suspected slag, suspected clinker, concrete, coal, brick and macadam. CW	1
								Recovered as soft to firm, greyish brown, dark grey, yellow and orangish brown mottled, slightly sandy CLAY. Sand is fine. RNG	2
					2.30	81.74		Base of Excavation at 2.30m	3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable	None					

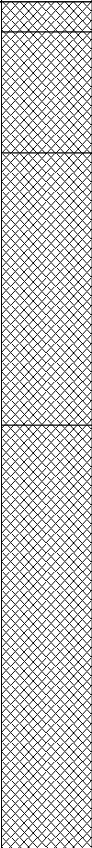
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP258
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 09/05/2022	
Location: Newton Heath		Contractor: TPH		Co-ords: E387574.30 N400284.73	
Project No. : LD10385		Excavator: Doosan 3CX		Dimensions :	Final Depth: 2.80m
Logged By JC	Checked By JC	Approved By MP	Level 84.04m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.10	83.94		Recovered as dark brown, gravelly, very clayey, fine to medium SAND with frequent rootlets. Gravel is angular to subangular of fine to coarse mixed lithologies. TF	1
					0.50	83.54		Recovered as 90% dark brown, very sandy, clayey GRAVEL; and 10% cobble sized fragments of red brick. Gravel is angular to subangular of fine to coarse red brick, concrete and timber. CMG	
					1.40	82.64		Recovered as 85% light orangish brown, very gravelly, medium to coarse SAND; and 15% cobble sized fragments of red brick, ceramic and mixed lithologies. GMG	
								Recovered as 80% dark greyish brown, very sandy, very clayey GRAVEL; 10% cobble sized fragments of red brick; and 10% cobble to boulder sized concrete fragments. Gravel is angular to subangular of fine to coarse red brick, concrete, timber and mixed lithologies. Acid / hydrocarbon odour. GMG 1.60m : Rubber matting at 1.60m. 1.70m : Occasional cobble sized timber laths at 1.70m.	
								2.30m : Plastic sheeting and metal wiring at 2.30m. Stained black with acid / hydrocarbon odour. 2.60m : Strong acid / hydrocarbon odour at 2.60m. 2.70m : Large boulder sized fragment of slate at 2.70m.	
		2.50 2.50 2.50	B B ES		2.80	81.24		Base of Excavation at 2.80m	3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Large collapse of excavation sides at 2.80m.						

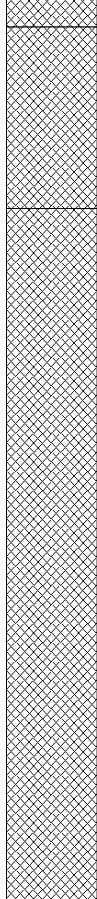
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present. Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP259
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 09/05/2022	
Location: Newton Heath		Contractor: TPH		Co-ords: E387819.00 N400403.00	
Project No. : LD10385		Excavator: Doosan 3CX		Dimensions :	Final Depth: 3.00m
Logged By JC	Checked By JC	Approved By MP	Level 85.60m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.10	85.50		Recovered as soft to firm, dark brown, slightly sandy, slightly gravelly CLAY with frequent rootlets. Gravel is angular to subrounded of fine to coarse mixed natural lithologies. TF	1
					0.70	84.90		Recovered as 70% light brown, very sandy GRAVEL; and 30% cobble sized fragments of red brick. Gravel is angular to subangular of fine to coarse red brick, ceramic and mixed lithologies. DW	
								Recovered as 80% reddish brown, very gravelly, fine SAND / ASH; 10% cobble sized fragments of red brick; and 10% cobble to boulder sized inclusions of soft to firm, brown, sandy clay. Gravel is angular to subrounded of fine to medium suspected slag, suspected clinker and red brick. CW	
		2.80 2.80	B B		3.00	82.60		Base of Excavation at 3.00m	3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.

Trial Pit Log

TRIAL PIT REFERENCE
TP260
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 09/05/2022	
Location: Newton Heath		Contractor: TPH		Co-ords: E387777.00 N400392.00	
Project No. : LD10385		Excavator: Doosan 3CX		Dimensions :	Final Depth: 2.50m
Logged By JC	Checked By JC	Approved By MP	Level 86.10m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.15	85.95		Recovered as 90% dark brown, gravelly, very clayey SAND with frequent rootlets; and 10% cobble sized fragments of red brick. Gravel is angular to subrounded of fine to medium red brick, ceramic, glass and mixed lithologies. TF Recovered as 80% dark grey, very sandy, clayey GRAVEL; and 20% cobble to boulder sized fragments of mudstone and sandstone. Gravel is angular to subangular of fine to coarse of mudstone, sandstone, ironstone and coal. CS	1
		2.10 2.10	B B		2.50	83.60		Base of Excavation at 2.50m	2
									3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

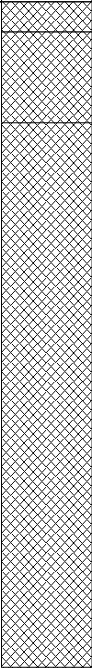
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP261
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 09/05/2022	
Location: Newton Heath		Contractor: TPH		Co-ords: E387771.00 N400354.00	
Project No. : LD10385		Excavator: Doosan 3CX		Dimensions :	Final Depth: 2.20m
Logged By JC	Checked By JC	Approved By MP	Level 86.50m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.10	86.40		Recovered as 90% dark brown, gravelly, very clayey SAND with frequent rootlets; and 10% cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse red brick, ceramics and mixed lithologies. TF	1
					0.40	86.10		Recovered as 80% dark brown, very sandy, very clayey GRAVEL; 10% cobble sized fragments of red brick; and 10% cobble sized fragments of paving slabs. Gravel is angular to subrounded of fine to coarse red brick, concrete, slate, ceramics and mixed lithologies. GMG	
								Recovered as black, very sandy, angular to subangular, fine to coarse GRAVEL of mudstone, shale, ironstone and coal. CS	
		2.00 2.00	B B		2.20	84.30		Base of Excavation at 2.20m	2
									3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

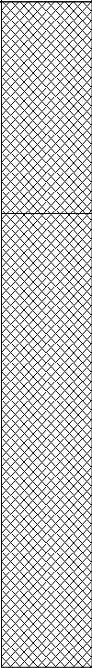
General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present. Dimensions generally provided in length x width x depth.

Trial Pit Log

TRIAL PIT REFERENCE
TP262
Sheet 1 of 1

Project Name: Ten Acres Lane		Client: NUVU Developments Ltd		Date: 09/05/2022	
Location: Newton Heath		Contractor: TPH		Co-ords: E387801.32 N400357.05	
Project No. : LD10385		Excavator: Doosan 3CX		Dimensions :	Final Depth: 2.20m
Logged By JC	Checked By JC	Approved By MP	Level 86.30m AoD	E m	Orientation °

Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.10	86.20		Recovered as dark brown, gravelly, very clayey SAND with frequent rootlets. Gravel is angular to subrounded of fine to coarse red brick, concrete, glass, ceramics and mixed lithologies. TF	1
					0.70	85.60		Recovered as 80% dark brown, very sandy, very clayey GRAVEL; and 20% cobble sized fragments of red brick. Gravel is angular to subrounded of fine to coarse red brick, ceramic and mixed lithologies. Putrid odour. GMG <i>0.50m : Plastic paint tin at 0.50m</i>	
								Recovered as 70% dark grey, very sandy GRAVEL; 30% cobble sized fragments of mudstone, sandstone and ironstone. Gravel is angular to subangular, medium to coarse mudstone, sandstone and ironstone. CS	
		2.00 2.00	B B		2.20	84.10		Base of Excavation at 2.20m	2
									3
									4

Trench Support and Comment				Pumping Data		
Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Stable						

General Remarks

Logging has been undertaken to provide an approximate volumetric percentage of the various constituents present.
Dimensions generally provided in length x width x depth.

APPENDIX G

Rotary Core Photographs



Photograph No.1: RH201 11.50m – 16.00m



Photograph No.2: RH201 16.00m – 19.00m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.3: RH201 19.00m – 22.00m



Photograph No.4: RH201 22.00m – 25.00m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.5: RH201 25.00m – 28.00m



Photograph No.6: RH201 28.00m – 31.00m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.7: RH201 31.00m – 34.00m



Photograph No.8: RH201 34.00m – 38.50m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.9: RH201 38.50m – 41.50m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.1: RH202 11.00m – 14.00m



Photograph No.2: RH202 14.00m – 17.00m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.3: RH202 17.00m – 20.00m



Photograph No.4: RH202 20.00m – 23.00m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.5: RH202 23.00m – 26.00m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.7: RH202 29.00m – 32.00m



Photograph No.8: RH202 32.00m – 35.00m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.9: RH202 35.00m – 38.00m



Photograph No.10: RH202 38.00m – 41.00m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.11: RH202 41.00m – 44.00m



Photograph No.12: RH202 44.00m – 47.00m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.13: RH202 47.00m – 48.50m



Photograph No.14: RH202 48.50m – 50.00m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.1: RH203 10.00m – 12.50m



Photograph No.2: RH203 15.50m – 18.50m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.3: RH203 24.50m – 27.50m



Photograph No.4: RH203 27.50m – 31.50m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.5: RH203 31.50m – 33.50m



Photograph No.6: RH203 33.50m – 36.50m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.7: RH203 36.50m – 39.50m



Photograph No.8: RH203 39.50m – 42.50m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.9: RH203 42.50m – 45.50m



Photograph No.10: RH203 45.50m – 47.50m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.11: RH203 47.50m – 50.00m



36 Park Row
 Leeds
 LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.1: RH204 7.30m – 9.85m



Photograph No.2: RH204 7.30m – 9.85m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.3: RH204 12.85m – 15.95m



Photograph No.4: RH204 15.95m – 19.05m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.5: RH204 19.05m – 21.75m



Photograph No.6: RH204 21.75m – 24.65m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.7: RH204 24.65m – 27.55m



Photograph No.8: RH204 27.55m – 33.75m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.9: RH204 33.75m – 37.00m



Photograph No.10: RH204 37.00m – 44.40m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.11: RH204 44.40m – 46.00m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.1: RH205 12.20m – 14.30m



Photograph No.2: RH205 14.30m – 17.30m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

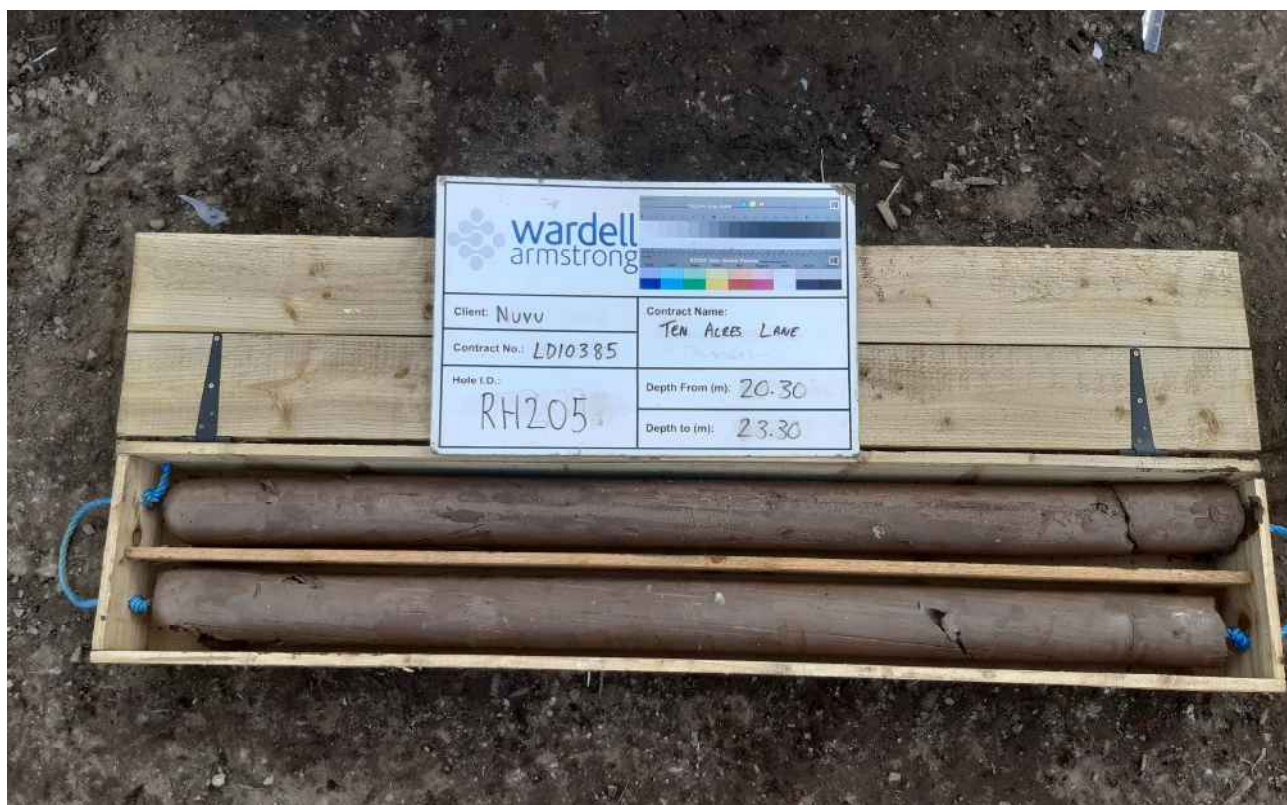
Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.3: RH205 17.30m – 20.30m



Photograph No.4: RH205 20.30m – 23.30m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.5: RH205 23.30m – 26.30m



Photograph No.6: RH205 26.30m – 29.30m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.7: RH205 29.30m – 32.30m



Photograph No.8: RH205 32.30m – 35.30m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.9: RH205 35.30m – 38.30m



Photograph No.10: RH205 38.30m – 42.80m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.11: RH205 42.80m – 45.80m



Photograph No.12: RH205 42.80m – 47.30m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.13: RH205 47.30m – 50.30m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.1: RH206 5.00m – 8.50m



Photograph No.2: RH206 8.50m – 11.50m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.3: RH206 11.50m – 14.50m



Photograph No.4: RH206 14.50m – 17.50m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.5: RH206 17.50m – 20.50m



Photograph No.6: RH206 20.50m – 23.50m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.7: RH206 23.50m – 25.00m



Photograph No.8: RH206 25.00m – 28.00m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022



Photograph No.9: RH206 28.00m – 31.00m



Photograph No.10: RH206 31.00m – 34.00m



36 Park Row
Leeds
LS1 5JL

Project : Ten Acres Lane

Client: Nuvu Developments

Project No. : LD10385

Date : September 2022

APPENDIX H

Environmental / Chemical Results



Unit 7-8 Hawarden Business Park

Manor Road (off Manor Lane)

Hawarden

Deeside

CH5 3US

Tel: (01244) 528700

Fax: (01244) 528701

email: hawardencustomerservices@alsglobal.com

Website: www.alsenvironmental.co.uk

Wardell Armstrong LLP
Sir Henry Doulton House
Forge Lane
Etruria
Stoke on Trent
Staffordshire
ST1 5BD

Attention: Jonathan Currie

CERTIFICATE OF ANALYSIS

Date of report Generation: 05 November 2020
Customer: Wardell Armstrong LLP
Sample Delivery Group (SDG): 201014-61
Your Reference: LD10162
Location: Ten Acres Lane
Report No: 574266

This report has been revised and directly supersedes 572741 in its entirety.

We received 48 samples on Tuesday October 13, 2020 and 23 of these samples were scheduled for analysis which was completed on Thursday November 05, 2020. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.

Incorrect sampling dates and/or sample information will affect the validity of results.

The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

Sonia McWhan

Operations Manager





CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1659

Report Number: 574266
Superseded Report: 572741

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
23029038	CP105	ES1	0.50 - 0.50	07/10/2020
23029045	CP105	ES2	1.50 - 1.50	07/10/2020
23029054	CP105	ES3	2.50 - 2.50	07/10/2020
23029058	CP105	ES4	4.50 - 4.50	07/10/2020
23029066	CP106	ES1	0.50 - 0.50	06/10/2020
23029073	CP106	ES2	1.80 - 1.80	06/10/2020
23029078	CP106	ES3	3.50 - 3.50	06/10/2020
23029083	CP106	ES4	4.50 - 4.50	06/10/2020
23029173	CP108	ES1	0.50 - 0.50	05/10/2020
23029176	CP108	ES2	1.50 - 1.50	05/10/2020
23029179	CP108	ES3	2.40 - 2.40	05/10/2020
23029103	TP101	ES1	0.50 - 0.50	08/10/2020
23029162	TP101	ES2	1.50 - 1.50	08/10/2020
23029293	TP102	ES1	0.50 - 0.50	08/10/2020
23029301	TP102	ES2	1.60 - 1.60	08/10/2020
23029026	TP105	ES1	0.00 - 0.60	08/10/2020
23029089	TP108	ES1	1.00 - 1.00	07/10/2020
23029097	TP108	ES2	2.00 - 2.00	07/10/2020
23029109	TP108	ES3	2.30 - 2.30	07/10/2020
23029311	TP111	ES1	0.60 - 0.60	07/10/2020
23029318	TP111	ES2	1.50 - 1.50	07/10/2020
23029227	TP112	ES1	0.50 - 0.50	08/10/2020
23029287	TP112	ES2	1.80 - 1.80	08/10/2020
23029135	TP122	ES1	1.00 - 1.00	07/10/2020
23029140	TP122	ES2	2.00 - 2.00	07/10/2020
23029248	TP123	ES1	0.80 - 0.80	05/10/2020
23029258	TP123	ES2	1.30 - 1.30	05/10/2020
23029261	TP123	ES3	1.90 - 1.90	05/10/2020
23029265	TP123	ES1	3.00 - 3.00	05/10/2020
23029157	TP126	ES1	0.50 - 0.50	07/10/2020
23029167	TP126	ES2	1.50 - 1.50	07/10/2020
23029170	TP126	ES3	2.70 - 2.70	07/10/2020
23029204	TP136	ES1	0.80 - 0.80	07/10/2020
23029213	TP136	ES2	2.10 - 2.10	07/10/2020
23029183	TP137	ES1	1.20 - 1.20	06/10/2020
23029189	TP137	ES2	2.50 - 2.50	06/10/2020
23029271	TP139	ES1	0.50 - 0.50	05/10/2020
23029278	TP139	ES2	1.50 - 1.50	05/10/2020
23029282	TP139	ES3	2.40 - 2.40	05/10/2020
23029118	TP141	ES1	0.50 - 0.50	07/10/2020
23029127	TP141	ES2	1.50 - 1.50	07/10/2020
23029132	TP141	ES3	2.50 - 2.50	07/10/2020
23029192	TP144	ES1	0.40 - 0.40	07/10/2020
23029237	TP148	ES1	0.40 - 0.40	07/10/2020
23029243	TP148	ES2	1.00 - 1.00	07/10/2020
23029143	TP149	ES1	0.50 - 0.50	07/10/2020
23029150	TP149	ES2	1.60 - 1.60	07/10/2020
23029154	TP149	ES3	2.70 - 2.70	07/10/2020

Only received samples which have had analysis scheduled will be shown on the following pages.



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61 Client Reference: LD10162 Report Number: 574266
Location: Ten Acres Lane Order Number: LD1659 Superseded Report: 572741

Results Legend

X Test
N No Determination Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container	Sample Type
23029318	TP111	ES2	1.50 - 1.50	250g Amber Jar (ALE210)	S
23029109	TP108	ES3	2.30 - 2.30	60g VOC (ALE215)	S
23029026	TP105	ES1	0.00 - 0.60	250g Amber Jar (ALE210)	S
23029301	TP102	ES2	1.60 - 1.60	60g VOC (ALE215)	S
23029103	TP101	ES1	0.50 - 0.50	250g Amber Jar (ALE210)	S
23029176	CP108	ES2	1.50 - 1.50	1kg Cardboard Container	S
23029173	CP108	ES1	0.50 - 0.50	250g Amber Jar (ALE210)	S
23029073	CP106	ES2	1.80 - 1.80	60g VOC (ALE215)	S
23029073	CP106	ES2	1.80 - 1.80	250g Amber Jar (ALE210)	S
Alkalinity Filtered as CaCO3	All	NDPs: 0 Tests: 4			
Anions by Kone (soil)	All	NDPs: 0 Tests: 19			
Anions by Kone (w)	All	NDPs: 0 Tests: 4			
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 19			
Asbestos Quantification - Full	All	NDPs: 1 Tests: 3			
Boron Water Soluble	All	NDPs: 0 Tests: 19			
CEN Readings	All	NDPs: 0 Tests: 4			
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 23			
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 4			
Dissolved Organic/Inorganic Carbon	All	NDPs: 0 Tests: 4			
Easily Liberated Sulphide	All	NDPs: 0 Tests: 19			
EPH CWG GC (S)	All	NDPs: 0 Tests: 19			
GRO by GC-FID (S)	All	NDPs: 0 Tests: 19			
Hexavalent Chromium (s)	All	NDPs: 0 Tests: 19			
Low Level Hexavalent Chromium (w)	All	NDPs: 0 Tests: 4			

[illegible]



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1659

Report Number: 574266
Superseded Report: 572741

Results Legend

X Test
N No Determination Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Results Legend	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container		Sample Type	
	23029318		TP111		ES2		1.50 - 1.50		250g Amber Jar (ALE210)	S	S	
	23029109		TP108		ES3		2.30 - 2.30		60g VOC (ALE215)	S	S	
	23029026		TP105		ES1		0.00 - 0.60		250g Amber Jar (ALE210)	S	S	
	23029301		TP102		ES2		1.60 - 1.60		1kg Cardboard Container	S	S	
	23029103		TP101		ES1		0.50 - 0.50		250g Amber Jar (ALE210)	S	S	
Mercury Dissolved	All	NDPs: 0 Tests: 4										
Metals in solid samples by OES	All	NDPs: 0 Tests: 19										
PAH by GCMS	All	NDPs: 0 Tests: 19										
PAH in waters by GC-MS (diss.filt)	All	NDPs: 0 Tests: 4										
PCBs by GCMS	All	NDPs: 0 Tests: 5										
pH	All	NDPs: 0 Tests: 19										
pH Value	All	NDPs: 0 Tests: 4										
Phenols by HPLC (S)	All	NDPs: 0 Tests: 19										
Phenols by HPLC (W)	All	NDPs: 0 Tests: 4										
Sample description	All	NDPs: 0 Tests: 22										
Sulphide	All	NDPs: 0 Tests: 4										
Total Organic Carbon	All	NDPs: 0 Tests: 19										
Total Sulphate	All	NDPs: 0 Tests: 19										
TPH CWG GC (S)	All	NDPs: 0 Tests: 19										
VOC MS (S)	All	NDPs: 0 Tests: 19										

[illegible]



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61 Client Reference: LD10162 Report Number: 574266
Location: Ten Acres Lane Order Number: LD1659 Superseded Report: 572741

Results Legend

X Test
N No Determination Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Results Legend X Test N No Determination Possible Sample Types - S - Soil/Solid UNS - Unspecified Solid GW - Ground Water SW - Surface Water LE - Land Leachate PL - Prepared Leachate PR - Process Water SA - Saline Water TE - Trade Effluent TS - Treated Sewage US - Untreated Sewage RE - Recreational Water DW - Drinking Water Non-regulatory UNL - Unspecified Liquid SL - Sludge G - Gas OTH - Other	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container		Sample Type	
	23029130		TP149		ES2		1.00 - 1.00		60g VOC (ALEZ15)		S	
	23029143		TP149		ES1		0.50 - 0.50		60g VOC (ALEZ15)		S	
	23029237		TP148		ES1		0.40 - 0.40		250g Amber Jar (ALEZ10) 1kg Cardboard Container		S	
	23029192		TP144		ES1		0.40 - 0.40		250g Amber Jar (ALEZ10) 1kg Cardboard Container		S	
	23029118		TP141		ES1		0.50 - 0.50		250g Amber Jar (ALEZ10) 1kg Cardboard Container		S	
Mercury Dissolved	All	NDPs: 0 Tests: 4							X			
Metals in solid samples by OES	All	NDPs: 0 Tests: 19		X		X				X	X	
PAH by GCMS	All	NDPs: 0 Tests: 19		X		X				X	X	
PAH in waters by GC-MS (diss.filt)	All	NDPs: 0 Tests: 4							X			
pH	All	NDPs: 0 Tests: 19		X		X				X	X	
pH Value	All	NDPs: 0 Tests: 4							X			
Phenols by HPLC (S)	All	NDPs: 0 Tests: 19		X		X				X	X	
Phenols by HPLC (W)	All	NDPs: 0 Tests: 4							X			
Sample description	All	NDPs: 0 Tests: 22		X					X	X	X	
Sulphide	All	NDPs: 0 Tests: 4							X			
Total Organic Carbon	All	NDPs: 0 Tests: 19		X		X				X	X	
Total Sulphate	All	NDPs: 0 Tests: 19		X		X				X	X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 19		X		X				X	X	
VOC MS (S)	All	NDPs: 0 Tests: 19			X		X				X	X



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1659

Report Number: 574266
Superseded Report: 572741

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm
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Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Inclusions	Inclusions 2
23029073	CP106	1.80 - 1.80	Dark Brown	Loamy Sand	Stones	Vegetation
23029173	CP108	0.50 - 0.50	Dark Brown	Loamy Sand	Stones	None
23029176	CP108	1.50 - 1.50	Dark Brown	Loamy Sand	Stones	None
23029103	TP101	0.50 - 0.50	Dark Brown	Loamy Sand	Vegetation	Crushed Brick
23029301	TP102	1.60 - 1.60	Dark Brown	Loamy Sand	Vegetation	Brick
23029026	TP105	0.00 - 0.60	Beige	Sandy Clay Loam	Stones	Brick
23029109	TP108	2.30 - 2.30	Dark Brown	Silt Loam	Stones	Vegetation
23029318	TP111	1.50 - 1.50	Dark Brown	Loamy Sand	Vegetation	Crushed Brick
23029287	TP112	1.80 - 1.80	Dark Brown	Loamy Sand	Stones	Brick
23029135	TP122	1.00 - 1.00	Dark Brown	Clay	Vegetation	None
23029248	TP123	0.80 - 0.80	Black	Sand	Stones	None
23029258	TP123	1.30 - 1.30	Dark Brown	Sandy Clay	Stones	Vegetation
23029261	TP123	1.90 - 1.90	Red	Sand	Stones	None
23029157	TP126	0.50 - 0.50	Dark Brown	Loamy Sand	Stones	None
23029204	TP136	0.80 - 0.80	Dark Brown	Sand	None	None
23029183	TP137	1.20 - 1.20	Grey	Loamy Sand	Stones	N/A
23029278	TP139	1.50 - 1.50	Dark Brown	Loamy Sand	Stones	None
23029282	TP139	2.40 - 2.40	Black	Loamy Sand	Stones	Oil/Petroleum
23029118	TP141	0.50 - 0.50	Dark Brown	Loamy Sand	Stones	Brick
23029192	TP144	0.40 - 0.40	Dark Brown	Sandy Loam	Metal	Crushed Brick
23029237	TP148	0.40 - 0.40	Dark Brown	Sandy Loam	Stones	Crushed Brick
23029143	TP149	0.50 - 0.50	Dark Brown	Sand	Stones	None
23029150	TP149	1.60 - 1.60	Dark Brown	Sand	Stones	None

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61 Client Reference: LD10162 Report Number: 574266
Location: Ten Acres Lane Order Number: LD1659 Superseded Report: 572741

Results Legend			Customer Sample Ref.		CP106	CP108	CP108	TP101	TP102	TP105
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		1.80 - 1.80	0.50 - 0.50	1.50 - 1.50	0.50 - 0.50	1.60 - 1.60	0.00 - 0.60
M	mCERTS accredited.				Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
aq	Aqueous / settled sample.				06/10/2020	05/10/2020	05/10/2020	08/10/2020	08/10/2020	08/10/2020
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
+	Subcontracted - refer to subcontractor report for accreditation status.									
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				13/10/2020	13/10/2020	13/10/2020	13/10/2020	13/10/2020	13/10/2020
(F)	Trigger breach confirmed				201014-61	201014-61	201014-61	201014-61	201014-61	201014-61
1-4*5@	Sample deviation (see appendix)				23029073	23029173	23029176	23029103	23029301	23029026
					ES2	ES1	ES2	ES1	ES2	ES1
Component	LOD/Units	Method								
Moisture Content Ratio (% of as received sample)	%	PM024	23	18	21	21	19	20		
Phenol	<0.01 mg/kg	TM062 (S)	0.013	<0.01		<0.01	0.0124	<0.01		
			@ M	@ M		M	@ M	@ M		
Cresols	<0.01 mg/kg	TM062 (S)	0.026	<0.01		0.0127	0.0372	<0.01		
			@ M	@ M		M	@ M	@ M		
Xylenols	<0.015 mg/kg	TM062 (S)	<0.015	<0.015		<0.015	0.0248	<0.015		
			@ M	@ M		M	@ M	@ M		
Phenols, Total Detected monohydric	<0.035 mg/kg	TM062 (S)	<0.035	<0.035		<0.035	0.0744	<0.035		
			@ M	@ M		M	@ M	@ M		
Soil Organic Matter (SOM)	<0.35 %	TM132	71.7	25.9		19	16.9	3.28		
			#	#		#	#	#		
pH	1 pH Units	TM133	11.9	7.19		8.09	8.15	8.47		
			M	M		M	M	M		
Chromium, Hexavalent	<0.6 mg/kg	TM151	26	<0.6		<0.6	<0.6	<0.6		
			#	#		#	#	#		
Cyanide, Total	<1 mg/kg	TM153	<1	<1		<1	<1	<1		
			@ M	@ M		M	M	M		
PCB congener 28	<0.003 mg/kg	TM168	<0.003							
			M							
PCB congener 52	<0.003 mg/kg	TM168	<0.003							
			M							
PCB congener 101	<0.003 mg/kg	TM168	<0.003							
			M							
PCB congener 118	<0.003 mg/kg	TM168	<0.003							
			M							
PCB congener 138	<0.003 mg/kg	TM168	<0.003							
			M							
PCB congener 153	<0.003 mg/kg	TM168	<0.003							
			M							
PCB congener 180	<0.003 mg/kg	TM168	<0.003							
			M							
Sum of detected PCB 7 Congeners	<0.021 mg/kg	TM168	<0.021							
Sulphide, Easily liberated	<15 mg/kg	TM180	<15	<15		<15	<15	<15		
			@ M	@ M		@ M	@ M	@ M		
Arsenic	<0.6 mg/kg	TM181	21.9	62.9		32.1	31.2	12.3		
			M	M		M	M	M		
Cadmium	<0.02 mg/kg	TM181	1.08	0.86		1.3	1.17	0.0389		
			M	M		M	M	M		
Chromium	<0.9 mg/kg	TM181	214	12.8		28.8	52	14.7		
			M	M		M	M	M		
Copper	<1.4 mg/kg	TM181	541	1470		166	9990	27.1		
			M	M		M	M	M		
Lead	<0.7 mg/kg	TM181	1220	226		270	470	107		
			M	M		M	M	M		
Mercury	<0.14 mg/kg	TM181	<0.14	<1.4		0.415	1.4	0.223		
			M	M		M	M	M		
Nickel	<0.2 mg/kg	TM181	24.4	66.4		45.3	51.6	15.9		
			M	M		M	M	M		
Selenium	<1 mg/kg	TM181	<1	<10		<1	<1	<1		
			#	#		#	#	#		
Zinc	<1.9 mg/kg	TM181	215	695		294	7290	113		
			M	M		M	M	M		
Sulphate, Total	<48 mg/kg	TM221	1590	1720		499	816	<48		
			M	M		M	M	M		
Boron, water soluble	<1 mg/kg	TM222	<1	<1		<1	<1	<1		
			M	M		M	M	M		
Water Soluble Sulphate as SO4 2:1 Extract	<0.004 g/l	TM243	0.0738	0.225		0.0263	0.0601	0.0217		
			M	M		M	M	M		
Asbestos Quantification - Gravimetric - %	<0.001 %	TM304					0.279			
							#			
Asbestos Quantification - PCOM Evaluation - %	<0.001 %	TM304					<0.001			
							#			
Additional Asbestos Components (Using TM048)		TM304					None			
							#			



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61 Client Reference: LD10162 Report Number: 574266
Location: Ten Acres Lane Order Number: LD1659 Superseded Report: 572741

Results Legend			Customer Sample Ref.		TP108	TP111	TP112	TP122	TP123	TP123
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		2.30 - 2.30	1.50 - 1.50	1.80 - 1.80	1.00 - 1.00	0.80 - 0.80	1.30 - 1.30
M	mCERTS accredited.				Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
aq	Aqueous / settled sample.				07/10/2020	07/10/2020	08/10/2020	07/10/2020	05/10/2020	05/10/2020
diss.filt	Dissolved / filtered sample.				13/10/2020	13/10/2020	13/10/2020	13/10/2020	13/10/2020	13/10/2020
tot.unfilt	Total / unfiltered sample.				201014-61	201014-61	201014-61	201014-61	201014-61	201014-61
+	Subcontracted - refer to subcontractor report for accreditation status.				23029109	23029318	23029287	23029135	23029248	23029258
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				ES3	ES2	ES2	ES1	ES1	ES2
(F)	Trigger breach confirmed									
1-4*5@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
Moisture Content Ratio (% of as received sample)	%	PM024			42	19	15	16	14	18
Phenol	<0.01 mg/kg	TM062 (S)			0.0172	<0.01		0.0236	<0.01	
					@ M	M		@ M	@ M	
Cresols	<0.01 mg/kg	TM062 (S)			0.12	0.0124		<0.01	<0.01	
					@ M	M		@ M	@ M	
Xylenols	<0.015 mg/kg	TM062 (S)			0.155	<0.015		<0.015	<0.015	
					@ M	M		@ M	@ M	
Phenols, Total Detected monohydric	<0.035 mg/kg	TM062 (S)			0.292	<0.035		<0.035	<0.035	
					@ M	M		@ M	@ M	
Soil Organic Matter (SOM)	<0.35 %	TM132			32.8	6.41		1.03	81.4	
					#	#		#	#	
pH	1 pH Units	TM133			7.45	7.72		8.11	5.72	
					M	M		M	M	
Chromium, Hexavalent	<0.6 mg/kg	TM151			<0.6	<0.6		<0.6	<0.6	
					#	#		#	#	
Cyanide, Total	<1 mg/kg	TM153			499	<1		<1	19.2	
					M	M		M	@ M	
PCB congener 28	<0.003 mg/kg	TM168			<0.03	<0.15	<0.003			
					M	M	M			
PCB congener 52	<0.003 mg/kg	TM168			<0.03	<0.15	<0.003			
					M	M	M			
PCB congener 101	<0.003 mg/kg	TM168			<0.03	<0.15	0.0237			
					M	M	M			
PCB congener 118	<0.003 mg/kg	TM168			<0.03	<0.15	0.0127			
					M	M	M			
PCB congener 138	<0.003 mg/kg	TM168			<0.03	<0.15	0.0101			
					M	M	M			
PCB congener 153	<0.003 mg/kg	TM168			<0.03	<0.15	0.00859			
					M	M	M			
PCB congener 180	<0.003 mg/kg	TM168			<0.03	<0.15	<0.003			
					M	M	M			
Sum of detected PCB 7 Congeners	<0.021 mg/kg	TM168			<0.21	<1.05	0.0551			
Sulphide, Easily liberated	<15 mg/kg	TM180			1850	<15		<15	<15	
					@ M	@ M		@ M	@ M	
Arsenic	<0.6 mg/kg	TM181			199	23.3		7.93	16.1	
					M	M		M	M	
Cadmium	<0.02 mg/kg	TM181			5.44	0.647		0.185	<0.02	
					M	M		M	M	
Chromium	<0.9 mg/kg	TM181			43.2	13.9		30.5	<0.9	
					M	M		M	M	
Copper	<1.4 mg/kg	TM181			716	130		22.6	60.7	
					M	M		M	M	
Lead	<0.7 mg/kg	TM181			1130	236		6.45	31.4	
					M	M		M	M	
Mercury	<0.14 mg/kg	TM181			3.81	0.367		<0.14	<0.14	
					M	M		M	M	
Nickel	<0.2 mg/kg	TM181			46.5	18.3		36.5	28.4	
					M	M		M	M	
Selenium	<1 mg/kg	TM181			<1	<1		<1	<1	
					#	#		#	#	
Zinc	<1.9 mg/kg	TM181			3270	305		58.1	24.1	
					M	M		M	M	
Sulphate, Total	<48 mg/kg	TM221			1500	4990		<48	636	
					M	M		M	M	
Boron, water soluble	<1 mg/kg	TM222			1.85	<1		<1	<1	
					M	M		M	M	
Water Soluble Sulphate as SO4 2:1 Extract	<0.004 g/l	TM243			0.0554	1.44		0.0491	0.0292	
					M	M		M	M	



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61 Client Reference: LD10162 Report Number: 574266
Location: Ten Acres Lane Order Number: LD1659 Superseded Report: 572741

Results Legend			Customer Sample Ref.		TP123	TP126	TP136	TP137	TP139	TP139
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		1.90 - 1.90	0.50 - 0.50	0.80 - 0.80	1.20 - 1.20	1.50 - 1.50	2.40 - 2.40
M	mCERTS accredited.				Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
aq	Aqueous / settled sample.				05/10/2020	07/10/2020	07/10/2020	06/10/2020	05/10/2020	05/10/2020
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
+	Subcontracted - refer to subcontractor report for accreditation status.									
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				13/10/2020	13/10/2020	13/10/2020	13/10/2020	13/10/2020	13/10/2020
(F)	Trigger breach confirmed				201014-61	201014-61	201014-61	201014-61	201014-61	201014-61
1-4*5@	Sample deviation (see appendix)				23029261	23029157	23029204	23029183	23029278	23029282
					ES3	ES1	ES1	ES1	ES2	ES3
Component	LOD/Units	Method								
Moisture Content Ratio (% of as received sample)	%	PM024	39	19	18	35	26	42		
Phenol	<0.01 mg/kg	TM062 (S)	<0.01	0.0124	<0.01	<0.01	0.459	<0.01		
			@ M	M	@ M	@ M	@ M	@ M	@ M	@ M
Cresols	<0.01 mg/kg	TM062 (S)	<0.01	0.0372	<0.01	<0.01	0.0945	0.709		
			@ M	M	@ M	@ M	@ M	@ M	@ M	@ M
Xylenols	<0.015 mg/kg	TM062 (S)	<0.015	0.0372	<0.015	<0.015	<0.015	1.37		
			@ M	M	@ M	@ M	@ M	@ M	@ M	@ M
Phenols, Total Detected monohydric	<0.035 mg/kg	TM062 (S)	<0.035	0.0868	<0.035	<0.035	0.554	2.08		
			@ M	M	@ M	@ M	@ M	@ M	@ M	@ M
Soil Organic Matter (SOM)	<0.35 %	TM132	74.8	44	<0.35	22.8	15.3	82.9		
			#	#	#	#	#	#	#	#
pH	1 pH Units	TM133	7.71	7.99	5.63	8.38	12.8	7.48		
			M	M	M	M	M	M	M	M
Chromium, Hexavalent	<0.6 mg/kg	TM151	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6		
			#	#	#	#	#	#	#	#
Cyanide, Total	<1 mg/kg	TM153	68.8	<1	<1	<1	4.32	162		
			@ M	M	M	M	@ M	@ M	@ M	@ M
PCB congener 28	<0.003 mg/kg	TM168	<0.003							
			M							
PCB congener 52	<0.003 mg/kg	TM168	<0.003							
			M							
PCB congener 101	<0.003 mg/kg	TM168	<0.003							
			M							
PCB congener 118	<0.003 mg/kg	TM168	<0.003							
			M							
PCB congener 138	<0.003 mg/kg	TM168	<0.003							
			M							
PCB congener 153	<0.003 mg/kg	TM168	<0.003							
			M							
PCB congener 180	<0.003 mg/kg	TM168	<0.003							
			M							
Sum of detected PCB 7 Congeners	<0.021 mg/kg	TM168	<0.021							
Sulphide, Easily liberated	<15 mg/kg	TM180	<15	<15	<15	<15	23.6	1270		
			@ M	@ M	@ M	@ M	@ M	@ M	@ M	@ M
Arsenic	<0.6 mg/kg	TM181	80.9	1930	3.75	34	43.3	332		
			M	M	M	M	M	M	M	M
Cadmium	<0.02 mg/kg	TM181	2.91	0.353	0.0576	0.468	0.247	1.78		
			M	M	M	M	M	M	M	M
Chromium	<0.9 mg/kg	TM181	50.8	<9	3.7	13	13.3	24		
			M	M	M	M	M	M	M	M
Copper	<1.4 mg/kg	TM181	141	274	8.34	125	45.5	194		
			M	M	M	M	M	M	M	M
Lead	<0.7 mg/kg	TM181	208	879	4.98	96.5	3220	284		
			M	M	M	M	M	M	M	M
Mercury	<0.14 mg/kg	TM181	<1.4	<1.4	<0.14	0.22	0.251	13.1		
			M	M	M	M	M	M	M	M
Nickel	<0.2 mg/kg	TM181	121	41.1	6.08	35.8	20.8	101		
			M	M	M	M	M	M	M	M
Selenium	<1 mg/kg	TM181	<10	<10	<1	<1	<1	<10		
			#	#	#	#	#	#	#	#
Zinc	<1.9 mg/kg	TM181	153	332	21.7	163	42.1	953		
			M	M	M	M	M	M	M	M
Sulphate, Total	<48 mg/kg	TM221	15200	1920	<48	1980	5060	8490		
			M	M	M	M	M	M	M	M
Boron, water soluble	<1 mg/kg	TM222	<1	<1	<1	<1	<1	1.34		
			M	M	M	M	M	M	M	M
Water Soluble Sulphate as SO4 2:1 Extract	<0.004 g/l	TM243	0.0865	0.178	0.0229	0.056	0.0244	1.46		
			M	M	M	M	M	M	M	M
Asbestos Quantification - Gravimetric - %	<0.001 %	TM304		<0.001						
				#						
Asbestos Quantification - PCOM Evaluation - %	<0.001 %	TM304		<0.001						
				#						
Additional Asbestos Components (Using TM048)		TM304		None						
				#						



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61 Client Reference: LD10162 Report Number: 574266
Location: Ten Acres Lane Order Number: LD1659 Superseded Report: 572741

Results Legend			Customer Sample Ref.		TP141	TP144	TP148	TP149	TP149	
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.50 - 0.50	0.40 - 0.40	0.40 - 0.40	0.50 - 0.50	1.60 - 1.60	
M	mCERTS accredited.				Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	
aq	Aqueous / settled sample.				07/10/2020	07/10/2020	07/10/2020	07/10/2020	07/10/2020	
diss.filt	Dissolved / filtered sample.				13/10/2020	13/10/2020	13/10/2020	13/10/2020	13/10/2020	
tot.unfilt	Total / unfiltered sample.				201014-61	201014-61	201014-61	201014-61	201014-61	
*	Subcontracted - refer to subcontractor report for accreditation status.				23029118	23029192	23029237	23029143	23029150	
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				ES1	ES1	ES1	ES1	ES2	
(F)	Trigger breach confirmed									
1-4*5@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
Moisture Content Ratio (% of as received sample)	%	PM024	12	14	35	21	15			
Phenol	<0.01 mg/kg	TM062 (S)	<0.01	<0.01		<0.01	<0.01			
			@ M	@ M		@ M	@ M			
Cresols	<0.01 mg/kg	TM062 (S)	<0.01	<0.01		<0.01	<0.01			
			@ M	@ M		@ M	@ M			
Xylenols	<0.015 mg/kg	TM062 (S)	<0.015	<0.015		<0.015	<0.015			
			@ M	@ M		@ M	@ M			
Phenols, Total Detected monohydric	<0.035 mg/kg	TM062 (S)	<0.035	<0.035		<0.035	<0.035			
			@ M	@ M		@ M	@ M			
Soil Organic Matter (SOM)	<0.35 %	TM132	24	9.22		16.5	0.788			
			#	#		#	#			
pH	1 pH Units	TM133	7.75	8.2		7.97	7.79			
			M	M		M	M			
Chromium, Hexavalent	<0.6 mg/kg	TM151	<0.6	5.23		<0.6	<0.6			
			#	#		#	#			
Cyanide, Total	<1 mg/kg	TM153	1.12	<1		<1	<1			
			M	M		M	M			
Sulphide, Easily liberated	<15 mg/kg	TM180	<15	<15		<15	<15			
			@ M	@ M		@ M	@ M			
Arsenic	<0.6 mg/kg	TM181	34.2	36.3		99.7	9.99			
			M	M		M	M			
Cadmium	<0.02 mg/kg	TM181	1.91	0.715		0.577	<0.2			
			M	M		M	M			
Chromium	<0.9 mg/kg	TM181	41.3	61		22.6	<9			
			M	M		M	M			
Copper	<1.4 mg/kg	TM181	824	137		227	19			
			M	M		M	M			
Lead	<0.7 mg/kg	TM181	931	622		510	19.6			
			M	M		M	M			
Mercury	<0.14 mg/kg	TM181	<1.4	6.76		<1.4	<1.4			
			M	M		M	M			
Nickel	<0.2 mg/kg	TM181	175	29.7		160	22.9			
			M	M		M	M			
Selenium	<1 mg/kg	TM181	<10	<1		<10	<10			
			#	#		#	#			
Zinc	<1.9 mg/kg	TM181	249	341		390	60.3			
			M	M		M	M			
Sulphate, Total	<48 mg/kg	TM221	1030	336		384	<48			
			M	M		M	M			
Boron, water soluble	<1 mg/kg	TM222	<1	<1		<1	<1			
			M	M		M	M			
Water Soluble Sulphate as SO4 2:1 Extract	<0.004 g/l	TM243	0.0534	0.0162		0.0298	0.0116			
			M	M		M	M			
Asbestos Quantification - Gravimetric - %	<0.001 %	TM304				<0.001	#			
Asbestos Quantification - PCOM Evaluation - %	<0.001 %	TM304				<0.001	#			
Additional Asbestos Components (Using TM048)		TM304				None	#			
Analysts Comments		TM304				N/C				
Asbestos Quantification - Total - %	<0.001 %	TM304				<0.001	#			

CERTIFICATE OF ANALYSIS



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61 **Client Reference:** LD10162 **Report Number:** 574266
Location: Ten Acres Lane **Order Number:** LD1659 **Superseded Report:** 572741

Asbestos Identification - Solid Samples

Results Legend

ISO17025 accredited.
M mCERTS accredited.
* Subcontracted test.
(F) Trigger breach confirmed
1-5&*\$@ Sample deviation (see appendix)

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	CP106ES2 1.80 - 1.80 SOLID 06/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029073 TM048	22/10/2020	Barbara Urbanek-Wals h	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	CP108ES1 0.50 - 0.50 SOLID 05/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029173 TM048	22/10/2020	James Richards	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP101ES1 0.50 - 0.50 SOLID 08/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029103 TM048	22/10/2020	James Richards	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP102ES2 1.60 - 1.60 SOLID 08/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029301 TM048	22/10/2020	Marcin Magdziarek	Soil containing material typical of asbestos paper	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP105ES1 0.00 - 0.60 SOLID 08/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029026 TM048	22/10/2020	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP108ES3 2.30 - 2.30 SOLID 07/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029109 TM048	22/10/2020	James Richards	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP111ES2 1.50 - 1.50 SOLID 07/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029318 TM048	22/10/2020	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP122ES1 1.00 - 1.00 SOLID 07/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029135 TM048	22/10/2020	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61 **Client Reference:** LD10162 **Report Number:** 574266
Location: Ten Acres Lane **Order Number:** LD1659 **Superseded Report:** 572741

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP123E51 0.80 - 0.80 SOLID 05/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029248 TM048	22/10/2020	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP123E53 1.90 - 1.90 SOLID 05/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029261 TM048	22/10/2020	James Richards	Fibre bundle in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP126E51 0.50 - 0.50 SOLID 07/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029157 TM048	22/10/2020	Eva Guerra	fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP136E51 0.80 - 0.80 SOLID 07/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029204 TM048	22/10/2020	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP137E51 1.20 - 1.20 SOLID 06/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029183 TM048	22/10/2020	James Richards	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP139E52 1.50 - 1.50 SOLID 05/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029278 TM048	22/10/2020	James Richards	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP139E53 2.40 - 2.40 SOLID 05/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029282 TM048	22/10/2020	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP141E51 0.50 - 0.50 SOLID 07/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029118 TM048	22/10/2020	Eva Guerra	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP144E51 0.40 - 0.40 SOLID 07/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029192 TM048	22/10/2020	Eva Guerra	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

SDG: 201014-61 **Client Reference:** LD10162 **Report Number:** 574266
Location: Ten Acres Lane **Order Number:** LD1659 **Superseded Report:** 572741

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP149E51 0.50 - 0.50 SOLID 07/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029143 TM048	22/10/2020	Barbara Urbanek-Wals h	Loose fibres in soil.	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP149E52 1.60 - 1.60 SOLID 07/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029150 TM048	22/10/2020	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1659

Report Number: 574266
Superseded Report: 572741

Asbestos Quantification - Full

Results Legend

ISO17025 accredited.
M mCERIS accredited.
* Subcontracted test.
(F) Trigger breach confirmed
1-5&*%@ Sample deviation (see appendix)

		Additional Asbestos Components	Analysts Comments	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - PCOM	Asbestos Quantification - Total - %
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP102ES2 1.60 - 1.60 SOLID 08/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029301 TM304	None (#)	N/C	0.2785 (#)	<0.001 (#)	0.2785 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP126ES1 0.50 - 0.50 SOLID 07/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029157 TM304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP149ES1 0.50 - 0.50 SOLID 07/10/2020 00:00:00 13/10/2020 05:00:00 201014-61 23029143 TM304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1659

Report Number: 574266
Superseded Report: 572741

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference		Site Location	Ten Acres Lane
Mass Sample taken (kg)	0.115	Natural Moisture Content (%)	28.4
Mass of dry sample (kg)	0.090	Dry Matter Content (%)	77.9
Particle Size <4mm	>95%		

Case

SDG	201014-61
Lab Sample Number(s)	23029176
Sampled Date	05-Oct-2020
Customer Sample Ref.	CP108 ES2
Depth (m)	1.50 - 1.50

Eluate Analysis	C ₂ Conc ⁿ in 10:1 eluate (mg/l)		A ₂ 10:1 conc ⁿ leached (mg/kg)				
	Result	Limit of Detection	Result	Limit of Detection			
Low Level Hexavalent Chromium	0.0534	<0.003	0.534	<0.03	-	-	-
Sulphate (soluble)	114	<2	1140	<20	-	-	-
Sulphide	0.0354	<0.01	0.354	<0.1	-	-	-
Dissolved Organic Carbon	205	<6	2050	<60	-	-	-
Mercury Dissolved (CVAf)	<0.00001	<0.00001	<0.0001	<0.0001	-	-	-
Naphthalene (diss.filt)	0.0000262	<0.00001	0.000262	<0.0001	-	-	-
Total Cyanide (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Acenaphthene (diss.filt)	0.0000135	<0.000005	0.000135	<0.00005	-	-	-
Arsenic	0.00176	<0.0005	0.0176	<0.005	-	-	-
Free Cyanide (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Acenaphthylene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Phenol by HPLC (W)	<0.002	<0.002	<0.02	<0.02	-	-	-
Cresols by HPLC (W)	<0.006	<0.006	<0.06	<0.06	-	-	-
Fluoranthene (diss.filt)	0.0000241	<0.000005	0.000241	<0.00005	-	-	-
Thiocyanate (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Anthracene (diss.filt)	0.00000669	<0.000005	0.0000669	<0.00005	-	-	-
Xylenols by HPLC (W)	<0.008	<0.008	<0.08	<0.08	-	-	-
Boron	0.0212	<0.01	0.212	<0.1	-	-	-
Phenanthrene (diss.filt)	0.0000239	<0.000005	0.000239	<0.00005	-	-	-
Total Alkalinity Filtered as CaCO ₃	100	<2	1000	<20	-	-	-
Cadmium	<0.00008	<0.00008	<0.0008	<0.0008	-	-	-
Fluorene (diss.filt)	0.0000058	<0.000005	0.000058	<0.00005	-	-	-
Chrysene (diss.filt)	0.0000164	<0.000005	0.000164	<0.00005	-	-	-
Pyrene (diss.filt)	0.0000199	<0.000005	0.000199	<0.00005	-	-	-
Total Monohydric Phenols (W)	<0.016	<0.016	<0.16	<0.16	-	-	-
Benzo(a)anthracene (diss.filt)	0.0000163	<0.000005	0.000163	<0.00005	-	-	-
Chromium	0.0503	<0.001	0.503	<0.01	-	-	-
Benzo(b)fluoranthene (diss.filt)	0.0000214	<0.000005	0.000214	<0.00005	-	-	-
Benzo(k)fluoranthene (diss.filt)	0.0000054	<0.000005	0.000054	<0.00005	-	-	-
Benzo(a)pyrene (diss.filt)	0.0000164	<0.000002	0.000164	<0.00002	-	-	-
Copper	0.0358	<0.0003	0.358	<0.003	-	-	-
Dibenzo(a,h)anthracene (diss.filt)	0.0000301	<0.000005	0.000301	<0.00005	-	-	-
Lead	0.000335	<0.0002	0.00335	<0.002	-	-	-
Benzo(g,h,i)perylene (diss.filt)	0.0000403	<0.000005	0.000403	<0.00005	-	-	-
Indeno(1,2,3-cd)pyrene (diss.filt)	0.0000352	<0.000005	0.000352	<0.00005	-	-	-

Leach Test Information

Date Prepared	17-Oct-2020
pH (pH Units)	7.74
Conductivity (µS/cm)	440.00
Temperature (°C)	18.10
Volume Leachant (Litres)	0.875

Mcerts Certification does not apply to leachates
05/11/2020 14:13:51

14:13:28 05/11/2020



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1659

Report Number: 574266
Superseded Report: 572741

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference		Site Location	Ten Acres Lane
Mass Sample taken (kg)	0.115	Natural Moisture Content (%)	28.4
Mass of dry sample (kg)	0.090	Dry Matter Content (%)	77.9
Particle Size <4mm	>95%		

Case

SDG	201014-61
Lab Sample Number(s)	23029176
Sampled Date	05-Oct-2020
Customer Sample Ref.	CP108 ES2
Depth (m)	1.50 - 1.50

Eluate Analysis	C ₂ Conc ⁿ in 10:1 eluate (mg/l)		A ₂ 10:1 conc ⁿ leached (mg/kg)				
	Result	Limit of Detection	Result	Limit of Detection			
PAH 16 EPA Total by GCMS (diss.filt)	0.000302	<0.000082	0.00302	<0.00082	-	-	-
Nickel	0.00163	<0.0004	0.0163	<0.004	-	-	-
Selenium	0.00177	<0.001	0.0177	<0.01	-	-	-
Calcium (Dis.Filt) mg/l	26.3	<0.2	263	<2	-	-	-

Leach Test Information

Date Prepared	17-Oct-2020
pH (pH Units)	7.74
Conductivity (µS/cm)	440.00
Temperature (°C)	18.10
Volume Leachant (Litres)	0.875



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1659

Report Number: 574266
Superseded Report: 572741

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference		Site Location	Ten Acres Lane
Mass Sample taken (kg)	0.129	Natural Moisture Content (%)	43.1
Mass of dry sample (kg)	0.090	Dry Matter Content (%)	69.9
Particle Size <4mm	>95%		

Case

SDG	201014-61
Lab Sample Number(s)	23029237
Sampled Date	07-Oct-2020
Customer Sample Ref.	TP148 ES1
Depth (m)	0.40 - 0.40

Eluate Analysis	C ₂ Conc ⁿ in 10:1 eluate (mg/l)		A ₂ 10:1 conc ⁿ leached (mg/kg)				
	Result	Limit of Detection	Result	Limit of Detection			
Low Level Hexavalent Chromium	<0.003	<0.003	<0.03	<0.03	-	-	-
Sulphate (soluble)	9.3	<2	93	<20	-	-	-
Sulphide	0.012	<0.01	0.12	<0.1	-	-	-
Dissolved Organic Carbon	4.85	<3	48.5	<30	-	-	-
Mercury Dissolved (CVAf)	0.0000222	<0.00001	0.000222	<0.0001	-	-	-
Naphthalene (diss.filt)	0.0000138	<0.00001	0.000138	<0.0001	-	-	-
Total Cyanide (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Acenaphthene (diss.filt)	0.0000202	<0.000005	0.000202	<0.00005	-	-	-
Arsenic	0.00227	<0.0005	0.0227	<0.005	-	-	-
Free Cyanide (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Acenaphthylene (diss.filt)	0.0000069	<0.000005	0.000069	<0.00005	-	-	-
Phenol by HPLC (W)	<0.002	<0.002	<0.02	<0.02	-	-	-
Cresols by HPLC (W)	<0.006	<0.006	<0.06	<0.06	-	-	-
Fluoranthene (diss.filt)	0.0000222	<0.000005	0.000222	<0.00005	-	-	-
Thiocyanate (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Anthracene (diss.filt)	0.00000719	<0.000005	0.0000719	<0.00005	-	-	-
Xylenols by HPLC (W)	<0.008	<0.008	<0.08	<0.08	-	-	-
Boron	0.0685	<0.01	0.685	<0.1	-	-	-
Phenanthrene (diss.filt)	0.0000282	<0.000005	0.000282	<0.00005	-	-	-
Total Alkalinity Filtered as CaCO ₃	34	<2	340	<20	-	-	-
Cadmium	0.000349	<0.00008	0.00349	<0.0008	-	-	-
Fluorene (diss.filt)	0.00000724	<0.000005	0.0000724	<0.00005	-	-	-
Chrysene (diss.filt)	0.0000182	<0.000005	0.000182	<0.00005	-	-	-
Pyrene (diss.filt)	0.0000022	<0.000005	0.000022	<0.00005	-	-	-
Total Monohydric Phenols (W)	<0.016	<0.016	<0.16	<0.16	-	-	-
Benzo(a)anthracene (diss.filt)	0.0000154	<0.000005	0.000154	<0.00005	-	-	-
Chromium	1.5	<0.00281	15	<0.0281	-	-	-
Benzo(b)fluoranthene (diss.filt)	0.0000358	<0.000005	0.000358	<0.00005	-	-	-
Benzo(k)fluoranthene (diss.filt)	0.00000797	<0.000005	0.0000797	<0.00005	-	-	-
Benzo(a)pyrene (diss.filt)	0.0000177	<0.000002	0.000177	<0.00002	-	-	-
Copper	0.0112	<0.0003	0.112	<0.003	-	-	-
Dibenzo(a,h)anthracene (diss.filt)	0.0000127	<0.000005	0.000127	<0.00005	-	-	-
Lead	0.108	<0.0002	1.08	<0.002	-	-	-
Benzo(g,h,i)perylene (diss.filt)	0.0000435	<0.000005	0.000435	<0.00005	-	-	-
Indeno(1,2,3-cd)pyrene (diss.filt)	0.0000267	<0.000005	0.000267	<0.00005	-	-	-

Leach Test Information

Date Prepared	19-Oct-2020
pH (pH Units)	7.96
Conductivity (µS/cm)	91.90
Temperature (°C)	18.30
Volume Leachant (Litres)	0.861

Mcerts Certification does not apply to leachates
05/11/2020 14:13:51

14:13:28 05/11/2020



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61
Location: Ten Acres LaneClient Reference: LD10162
Order Number: LD1659Report Number: 574266
Superseded Report: 572741

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference		Site Location	Ten Acres Lane
Mass Sample taken (kg)	0.129	Natural Moisture Content (%)	43.1
Mass of dry sample (kg)	0.090	Dry Matter Content (%)	69.9
Particle Size <4mm	>95%		

Case

SDG	201014-61
Lab Sample Number(s)	23029237
Sampled Date	07-Oct-2020
Customer Sample Ref.	TP148 ES1
Depth (m)	0.40 - 0.40

Eluate Analysis	C ₂ Conc ⁿ in 10:1 eluate (mg/l)		A ₂ 10:1 conc ⁿ leached (mg/kg)				
	Result	Limit of Detection	Result	Limit of Detection			
PAH 16 EPA Total by GCMS (diss.filt)	0.000306	<0.000082	0.00306	<0.00082	-	-	-
Nickel	0.00191	<0.0004	0.0191	<0.004	-	-	-
Selenium	<0.001	<0.001	<0.01	<0.01	-	-	-
Calcium (Dis.Filt) mg/l	16	<0.2	160	<2	-	-	-

Leach Test Information

Date Prepared	19-Oct-2020
pH (pH Units)	7.96
Conductivity (µS/cm)	91.90
Temperature (°C)	18.30
Volume Leachant (Litres)	0.861



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1659

Report Number: 574266
Superseded Report: 572741

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference		Site Location	Ten Acres Lane
Mass Sample taken (kg)	0.111	Natural Moisture Content (%)	23.5
Mass of dry sample (kg)	0.090	Dry Matter Content (%)	80.9
Particle Size <4mm	>95%		

Case

SDG	201014-61
Lab Sample Number(s)	23029258
Sampled Date	05-Oct-2020
Customer Sample Ref.	TP123 ES2
Depth (m)	1.30 - 1.30

Eluate Analysis	C ₂ Conc ⁿ in 10:1 eluate (mg/l)		A ₂ 10:1 conc ⁿ leached (mg/kg)				
	Result	Limit of Detection	Result	Limit of Detection			
Low Level Hexavalent Chromium	0.00496	<0.003	0.0496	<0.03	-	-	-
Sulphate (soluble)	2.2	<2	22	<20	-	-	-
Sulphide	<0.01	<0.01	<0.1	<0.1	-	-	-
Dissolved Organic Carbon	<3	<3	<30	<30	-	-	-
Mercury Dissolved (CVAf)	<0.00001	<0.00001	<0.0001	<0.0001	-	-	-
Naphthalene (diss.filt)	<0.00001	<0.00001	<0.0001	<0.0001	-	-	-
Total Cyanide (W)	0.07	<0.05	0.7	<0.5	-	-	-
Acenaphthene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Arsenic	0.000533	<0.0005	0.00533	<0.005	-	-	-
Free Cyanide (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Acenaphthylene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Phenol by HPLC (W)	<0.002	<0.002	<0.02	<0.02	-	-	-
Cresols by HPLC (W)	<0.006	<0.006	<0.06	<0.06	-	-	-
Fluoranthene (diss.filt)	0.0000106	<0.000005	0.000106	<0.00005	-	-	-
Thiocyanate (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Anthracene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Xylenols by HPLC (W)	<0.008	<0.008	<0.08	<0.08	-	-	-
Boron	0.0599	<0.01	0.599	<0.1	-	-	-
Phenanthrene (diss.filt)	0.00000786	<0.000005	0.0000786	<0.00005	-	-	-
Total Alkalinity Filtered as CaCO ₃	19	<2	190	<20	-	-	-
Cadmium	<0.00008	<0.00008	<0.0008	<0.0008	-	-	-
Fluorene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Chrysene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Pyrene (diss.filt)	0.00000687	<0.000005	0.0000687	<0.00005	-	-	-
Total Monohydric Phenols (W)	<0.016	<0.016	<0.16	<0.16	-	-	-
Benzo(a)anthracene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Chromium	0.00428	<0.001	0.0428	<0.01	-	-	-
Benzo(b)fluoranthene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Benzo(k)fluoranthene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Benzo(a)pyrene (diss.filt)	<0.000002	<0.000002	<0.00002	<0.00002	-	-	-
Copper	0.000938	<0.0003	0.00938	<0.003	-	-	-
Dibenzo(a,h)anthracene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Lead	<0.0002	<0.0002	<0.002	<0.002	-	-	-
Benzo(g,h,i)perylene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Indeno(1,2,3-cd)pyrene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-

Leach Test Information

Date Prepared	20-Oct-2020
pH (pH Units)	8.03
Conductivity (µS/cm)	42.60
Temperature (°C)	15.30
Volume Leachant (Litres)	0.879

Mcerts Certification does not apply to leachates
05/11/2020 14:13:51

14:13:28 05/11/2020



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1659

Report Number: 574266
Superseded Report: 572741

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference		Site Location	Ten Acres Lane
Mass Sample taken (kg)	0.111	Natural Moisture Content (%)	23.5
Mass of dry sample (kg)	0.090	Dry Matter Content (%)	80.9
Particle Size <4mm	>95%		

Case

SDG	201014-61
Lab Sample Number(s)	23029258
Sampled Date	05-Oct-2020
Customer Sample Ref.	TP123 ES2
Depth (m)	1.30 - 1.30

Eluate Analysis	C ₂ Conc ⁿ in 10:1 eluate (mg/l)		A ₂ 10:1 conc ⁿ leached (mg/kg)				
	Result	Limit of Detection	Result	Limit of Detection			
PAH 16 EPA Total by GCMS (diss.filt)	<0.000082	<0.000082	<0.00082	<0.00082	-	-	-
Nickel	0.0011	<0.0004	0.011	<0.004	-	-	-
Selenium	<0.001	<0.001	<0.01	<0.01	-	-	-
Calcium (Dis.Filt) mg/l	4.93	<0.2	49.3	<2	-	-	-

Leach Test Information

Date Prepared	20-Oct-2020
pH (pH Units)	8.03
Conductivity (µS/cm)	42.60
Temperature (°C)	15.30
Volume Leachant (Litres)	0.879



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1659

Report Number: 574266
Superseded Report: 572741

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference	
Mass Sample taken (kg)	0.105
Mass of dry sample (kg)	0.090
Particle Size <4mm	>95%

Site Location	Ten Acres Lane
Natural Moisture Content (%)	15.9
Dry Matter Content (%)	86.3

Case	
SDG	201014-61
Lab Sample Number(s)	23029287
Sampled Date	08-Oct-2020
Customer Sample Ref.	TP112 ES2
Depth (m)	1.80 - 1.80

Eluate Analysis	C ₂ Conc ⁿ in 10:1 eluate (mg/l)		A ₂ 10:1 conc ⁿ leached (mg/kg)				
	Result	Limit of Detection	Result	Limit of Detection			
Low Level Hexavalent Chromium	<0.003	<0.003	<0.03	<0.03	-	-	-
Sulphate (soluble)	279	<2	2790	<20	-	-	-
Sulphide	0.102	<0.01	1.02	<0.1	-	-	-
Dissolved Organic Carbon	6.36	<3	63.6	<30	-	-	-
Mercury Dissolved (CVAf)	<0.00001	<0.00001	<0.0001	<0.0001	-	-	-
Naphthalene (diss.filt)	0.0000316	<0.00001	0.000316	<0.0001	-	-	-
Total Cyanide (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Acenaphthene (diss.filt)	0.00031	<0.000005	0.0031	<0.00005	-	-	-
Arsenic	0.00332	<0.0005	0.0332	<0.005	-	-	-
Free Cyanide (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Acenaphthylene (diss.filt)	0.000322	<0.000005	0.00322	<0.00005	-	-	-
Phenol by HPLC (W)	<0.002	<0.002	<0.02	<0.02	-	-	-
Cresols by HPLC (W)	<0.006	<0.006	<0.06	<0.06	-	-	-
Fluoranthene (diss.filt)	0.0000501	<0.000005	0.000501	<0.00005	-	-	-
Thiocyanate (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Anthracene (diss.filt)	0.000025	<0.000005	0.00025	<0.00005	-	-	-
Xylenols by HPLC (W)	<0.008	<0.008	<0.08	<0.08	-	-	-
Boron	0.272	<0.01	2.72	<0.1	-	-	-
Phenanthrene (diss.filt)	0.0000201	<0.000005	0.000201	<0.00005	-	-	-
Total Alkalinity Filtered as CaCO ₃	115	<2	1150	<20	-	-	-
Cadmium	<0.00008	<0.00008	<0.0008	<0.0008	-	-	-
Fluorene (diss.filt)	0.0000111	<0.000005	0.000111	<0.00005	-	-	-
Chrysene (diss.filt)	0.0000348	<0.000005	0.000348	<0.00005	-	-	-
Pyrene (diss.filt)	0.0000391	<0.000005	0.000391	<0.00005	-	-	-
Total Monohydric Phenols (W)	<0.016	<0.016	<0.16	<0.16	-	-	-
Benzo(a)anthracene (diss.filt)	0.0000221	<0.000005	0.000221	<0.00005	-	-	-
Chromium	0.00305	<0.001	0.0305	<0.01	-	-	-
Benzo(b)fluoranthene (diss.filt)	0.0000312	<0.000005	0.000312	<0.00005	-	-	-
Benzo(k)fluoranthene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Benzo(a)pyrene (diss.filt)	0.0000398	<0.000002	0.000398	<0.00002	-	-	-
Copper	0.00328	<0.0003	0.0328	<0.003	-	-	-
Dibenzo(a,h)anthracene (diss.filt)	0.0000672	<0.000005	0.000672	<0.00005	-	-	-
Lead	0.000584	<0.0002	0.00584	<0.002	-	-	-
Benzo(g,h,i)perylene (diss.filt)	0.000106	<0.000005	0.00106	<0.00005	-	-	-
Indeno(1,2,3-cd)pyrene (diss.filt)	0.0000858	<0.000005	0.000858	<0.00005	-	-	-

Leach Test Information

Date Prepared	17-Oct-2020
pH (pH Units)	6.78
Conductivity (µS/cm)	713.00
Temperature (°C)	20.20
Volume Leachant (Litres)	0.885

Mcerts Certification does not apply to leachates
05/11/2020 14:13:51

14:13:28 05/11/2020



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61
Location: Ten Acres LaneClient Reference: LD10162
Order Number: LD1659Report Number: 574266
Superseded Report: 572741

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference		Site Location	Ten Acres Lane
Mass Sample taken (kg)	0.105	Natural Moisture Content (%)	15.9
Mass of dry sample (kg)	0.090	Dry Matter Content (%)	86.3
Particle Size <4mm	>95%		

Case

SDG	201014-61
Lab Sample Number(s)	23029287
Sampled Date	08-Oct-2020
Customer Sample Ref.	TP112 ES2
Depth (m)	1.80 - 1.80

Eluate Analysis	C ₂ Conc ⁿ in 10:1 eluate (mg/l)		A ₂ 10:1 conc ⁿ leached (mg/kg)				
	Result	Limit of Detection	Result	Limit of Detection			
PAH 16 EPA Total by GCMS (diss.filt)	0.0012	<0.000082	0.012	<0.00082	-	-	-
Nickel	0.00876	<0.0004	0.0876	<0.004	-	-	-
Selenium	<0.001	<0.001	<0.01	<0.01	-	-	-
Calcium (Dis.Filt) mg/l	154	<0.2	1540	<2	-	-	-

Leach Test Information

Date Prepared	17-Oct-2020
pH (pH Units)	6.78
Conductivity (µS/cm)	713.00
Temperature (°C)	20.20
Volume Leachant (Litres)	0.885



CERTIFICATE OF ANALYSIS

Validated

SDG:	201014-61	Client Reference:	LD10162	Report Number:	574266
Location:	Ten Acres Lane	Order Number:	LD1659	Superseded Report:	572741

Notification of NDPs (No determination possible)

Date Received : 14/10/2020 10:58:38

Sample No	Customer Sample Ref.	Depth (m)	Test	Comment
23029261	TP123 ES3	1.90 - 1.90	Asbestos Quantification - Full	Insufficient Sample



CERTIFICATE OF ANALYSIS

Validated

SDG:	201014-61	Client Reference:	LD10162	Report Number:	574266
Location:	Ten Acres Lane	Order Number:	LD1659	Superseded Report:	572741

Table of Results - Appendix

Method No	Reference	Description
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material
PM115		Leaching Procedure for CEN One Stage Leach Test 2:1 & 10:1 1 Step
TM043	Method 2320B, AWWA/APHA, 20th Ed., 1999 / BS 2690: Part109 1984	Determination of alkalinity in aqueous samples
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material
TM062 (S)	National Grid Property Holdings Methods for the Collection & Analysis of Samples from National Grid Sites version 1 Sec 3.9	Determination of Phenols in Soils by HPLC
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) by Headspace GC-FID (C4-C12)
TM090	Method 5310, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 415.1 & 9060	Determination of Total Organic Carbon/Total Inorganic Carbon in Water and Waste Water
TM101	Method 4500B & C, AWWA/APHA, 20th Ed., 1999	Determination of Sulphide in soil and water samples using the Kone Analyser
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS
TM132	In - house Method	ELTRA CS800 Operators Guide
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the Skalar SANS+ System Segmented Flow Analyser
TM168	EPA Method 8082, Polychlorinated Biphenyls by Gas Chromatography	Determination of WHO12 and EC7 Polychlorinated Biphenyl Congeners by GC-MS in Soils
TM178	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS in Waters
TM180	Sulphide in waters and waste waters 1991 ISBN 01 175 7186 SCA rec. 2007 (unpublished)	The Determination Of Easily Liberated Sulphide In Soil Samples by Ion Selective Electrode Technique
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers
TM218	Shaker extraction - EPA method 3546.	The determination of PAH in soil samples by GC-MS
TM221	Inductively Coupled Plasma - Atomic Emission Spectroscopy. An Atlas of Spectral Information: Winge, Fassel, Peterson and Floyd	Determination of Acid extractable Sulphate in Soils by IRIS Emission Spectrometer
TM222	In-House Method	Determination of Hot Water Soluble Boron in Soils (10:1 Water:soil) by IRIS Emission Spectrometer
TM227	Standard methods for the examination of waters and wastewaters 20th Edition, AWWA/APHA Method 4500.	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate
TM243		Mixed Anions In Soils By Kone
TM256	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4.	Determination of pH in Water and Leachate using the GLpH pH Meter
TM259	by HPLC	Determination of Phenols in Waters and Leachates by HPLC
TM304	HSE Contract research Report no 83/1996	Asbestos Quantification in Soil: Fibres identified by morphology only
TM331		Low Level Hexavalent Chromium
TM414	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GCxGC-FID

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).



CERTIFICATE OF ANALYSIS

Validated

SDG: 201014-61
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1659

Report Number: 574266
Superseded Report: 572741

Test Completion Dates

Lab Sample No(s)
Customer Sample Ref.

AGS Ref.
Depth
Type

	23029073	23029173	23029176	23029103	23029301	23029026	23029109	23029318	23029287	23029135
	CP106	CP108	CP108	TP101	TP102	TP105	TP108	TP111	TP112	TP122
	ES2	ES1	ES2	ES1	ES2	ES1	ES3	ES2	ES2	ES1
	1.80 - 1.80	0.50 - 0.50	1.50 - 1.50	0.50 - 0.50	1.60 - 1.60	0.00 - 0.60	2.30 - 2.30	1.50 - 1.50	1.80 - 1.80	1.00 - 1.00
	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Alkalinity Filtered as CaCO3			21-Oct-2020						21-Oct-2020	
Anions by Kone (soil)	22-Oct-2020	21-Oct-2020		21-Oct-2020	21-Oct-2020	21-Oct-2020	22-Oct-2020	21-Oct-2020		21-Oct-2020
Anions by Kone (w)			21-Oct-2020						21-Oct-2020	
Asbestos ID in Solid Samples	22-Oct-2020	22-Oct-2020		22-Oct-2020	22-Oct-2020	22-Oct-2020	22-Oct-2020	22-Oct-2020		22-Oct-2020
Asbestos Quantification - Full					05-Nov-2020					
Boron Water Soluble	22-Oct-2020	21-Oct-2020		20-Oct-2020	20-Oct-2020	20-Oct-2020	22-Oct-2020	20-Oct-2020		21-Oct-2020
CEN 10:1 Leachate (1 Stage)			20-Oct-2020						17-Oct-2020	
CEN Readings			21-Oct-2020						21-Oct-2020	
Cyanide Comp/Free/Total/Thiocyanate	21-Oct-2020	21-Oct-2020	22-Oct-2020	20-Oct-2020	20-Oct-2020	20-Oct-2020	22-Oct-2020	20-Oct-2020	22-Oct-2020	21-Oct-2020
Dissolved Metals by ICP-MS			21-Oct-2020						22-Oct-2020	
Dissolved Organic/Inorganic Carbon			23-Oct-2020						21-Oct-2020	
Easily Liberated Sulphide	21-Oct-2020	21-Oct-2020		21-Oct-2020	21-Oct-2020	21-Oct-2020	22-Oct-2020	21-Oct-2020		21-Oct-2020
EPH CWG GC (S)	21-Oct-2020	20-Oct-2020		20-Oct-2020	20-Oct-2020	20-Oct-2020	22-Oct-2020	20-Oct-2020		21-Oct-2020
GRO by GC-FID (S)	21-Oct-2020	21-Oct-2020		19-Oct-2020	21-Oct-2020	19-Oct-2020	21-Oct-2020	21-Oct-2020		21-Oct-2020
Hexavalent Chromium (s)	21-Oct-2020	21-Oct-2020		20-Oct-2020	20-Oct-2020	20-Oct-2020	22-Oct-2020	20-Oct-2020		21-Oct-2020
Low Level Hexavalent Chromium (w)			21-Oct-2020						21-Oct-2020	
Mercury Dissolved			21-Oct-2020						21-Oct-2020	
Metals in solid samples by OES	23-Oct-2020	22-Oct-2020		20-Oct-2020	23-Oct-2020	21-Oct-2020	22-Oct-2020	20-Oct-2020		22-Oct-2020
Moisture at 105C			17-Oct-2020						17-Oct-2020	
PAH by GCMS	21-Oct-2020	22-Oct-2020		22-Oct-2020	22-Oct-2020	22-Oct-2020	22-Oct-2020	22-Oct-2020		23-Oct-2020
PAH in waters by GC-MS (diss.filt)			22-Oct-2020						22-Oct-2020	
PCBs by GCMS	22-Oct-2020						22-Oct-2020	21-Oct-2020	21-Oct-2020	
pH	21-Oct-2020	21-Oct-2020		21-Oct-2020	21-Oct-2020	21-Oct-2020	20-Oct-2020	21-Oct-2020		20-Oct-2020
pH Value			21-Oct-2020						21-Oct-2020	
Phenols by HPLC (S)	21-Oct-2020	20-Oct-2020		20-Oct-2020	22-Oct-2020	22-Oct-2020	22-Oct-2020	20-Oct-2020		21-Oct-2020
Phenols by HPLC (W)			22-Oct-2020						21-Oct-2020	
Sample description	20-Oct-2020	16-Oct-2020	16-Oct-2020	17-Oct-2020	17-Oct-2020	16-Oct-2020	19-Oct-2020	17-Oct-2020	17-Oct-2020	19-Oct-2020
Sulphide			21-Oct-2020						21-Oct-2020	
Total Organic Carbon	26-Oct-2020	22-Oct-2020		22-Oct-2020	22-Oct-2020	22-Oct-2020	23-Oct-2020	22-Oct-2020		23-Oct-2020
Total Sulphate	22-Oct-2020	22-Oct-2020		21-Oct-2020	21-Oct-2020	21-Oct-2020	22-Oct-2020	21-Oct-2020		22-Oct-2020
TPH CWG GC (S)	21-Oct-2020	21-Oct-2020		20-Oct-2020	21-Oct-2020	20-Oct-2020	22-Oct-2020	21-Oct-2020		21-Oct-2020
VOC MS (S)	21-Oct-2020	21-Oct-2020		19-Oct-2020	19-Oct-2020	21-Oct-2020	21-Oct-2020	19-Oct-2020		21-Oct-2020

Lab Sample No(s)
Customer Sample Ref.

AGS Ref.
Depth
Type

	23029248	23029258	23029261	23029157	23029204	23029183	23029278	23029282	23029118	23029192
	TP123	TP123	TP123	TP126	TP136	TP137	TP139	TP139	TP141	TP144
	ES1	ES2	ES3	ES1	ES1	ES1	ES2	ES3	ES1	ES1
	0.80 - 0.80	1.30 - 1.30	1.90 - 1.90	0.50 - 0.50	0.80 - 0.80	1.20 - 1.20	1.50 - 1.50	2.40 - 2.40	0.50 - 0.50	0.40 - 0.40
	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Alkalinity Filtered as CaCO3		22-Oct-2020								
Anions by Kone (soil)	21-Oct-2020		21-Oct-2020	21-Oct-2020	21-Oct-2020	21-Oct-2020	21-Oct-2020	21-Oct-2020	21-Oct-2020	21-Oct-2020
Anions by Kone (w)		22-Oct-2020								
Asbestos ID in Solid Samples	22-Oct-2020		22-Oct-2020	22-Oct-2020	22-Oct-2020	22-Oct-2020	22-Oct-2020	22-Oct-2020	22-Oct-2020	22-Oct-2020
Asbestos Quantification - Full				05-Nov-2020						
Boron Water Soluble	20-Oct-2020		21-Oct-2020	20-Oct-2020	20-Oct-2020	20-Oct-2020	21-Oct-2020	20-Oct-2020	21-Oct-2020	20-Oct-2020
CEN 10:1 Leachate (1 Stage)		20-Oct-2020								
CEN Readings		21-Oct-2020								
Cyanide Comp/Free/Total/Thiocyanate	20-Oct-2020	23-Oct-2020	21-Oct-2020	21-Oct-2020	20-Oct-2020	20-Oct-2020	21-Oct-2020	21-Oct-2020	21-Oct-2020	20-Oct-2020
Dissolved Metals by ICP-MS		22-Oct-2020								
Dissolved Organic/Inorganic Carbon		23-Oct-2020								
Easily Liberated Sulphide	21-Oct-2020		21-Oct-2020	21-Oct-2020	21-Oct-2020	21-Oct-2020	21-Oct-2020	21-Oct-2020	20-Oct-2020	21-Oct-2020
EPH CWG GC (S)	20-Oct-2020		21-Oct-2020	20-Oct-2020	20-Oct-2020	20-Oct-2020	20-Oct-2020	20-Oct-2020	21-Oct-2020	20-Oct-2020
GRO by GC-FID (S)	21-Oct-2020		21-Oct-2020	19-Oct-2020	19-Oct-2020	19-Oct-2020	21-Oct-2020	21-Oct-2020	21-Oct-2020	19-Oct-2020
Hexavalent Chromium (s)	20-Oct-2020		21-Oct-2020	20-Oct-2020	20-Oct-2020	20-Oct-2020	21-Oct-2020	20-Oct-2020	22-Oct-2020	20-Oct-2020
Low Level Hexavalent Chromium (w)		22-Oct-2020								
Mercury Dissolved		22-Oct-2020								
Metals in solid samples by OES	21-Oct-2020		22-Oct-2020	21-Oct-2020	21-Oct-2020	20-Oct-2020	22-Oct-2020	21-Oct-2020	22-Oct-2020	21-Oct-2020
Moisture at 105C		20-Oct-2020								
PAH by GCMS	25-Oct-2020		22-Oct-2020	24-Oct-2020	22-Oct-2020	22-Oct-2020	22-Oct-2020	25-Oct-2020	23-Oct-2020	22-Oct-2020
PAH in waters by GC-MS (diss.filt)		22-Oct-2020								
PCBs by GCMS			27-Oct-2020							
pH	21-Oct-2020		21-Oct-2020	21-Oct-2020	21-Oct-2020	21-Oct-2020	21-Oct-2020	21-Oct-2020	20-Oct-2020	21-Oct-2020
pH Value		22-Oct-2020								
Phenols by HPLC (S)	22-Oct-2020		22-Oct-2020	20-Oct-2020	22-Oct-2020	22-Oct-2020	22-Oct-2020	22-Oct-2020	21-Oct-2020	22-Oct-2020
Phenols by HPLC (W)		22-Oct-2020								
Sample description	16-Oct-2020	16-Oct-2020	16-Oct-2020	16-Oct-2020	16-Oct-2020	16-Oct-2020	16-Oct-2020	16-Oct-2020	19-Oct-2020	16-Oct-2020
Sulphide		22-Oct-2020								
Total Organic Carbon	22-Oct-2020		23-Oct-2020	22-Oct-2020	22-Oct-2020	22-Oct-2020	23-Oct-2020	23-Oct-2020	22-Oct-2020	22-Oct-2020
Total Sulphate	21-Oct-2020		22-Oct-2020	21-Oct-2020	20-Oct-2020	21-Oct-2020	22-Oct-2020	21-Oct-2020	22-Oct-2020	20-Oct-2020
TPH CWG GC (S)	21-Oct-2020		21-Oct-2020	20-Oct-2020	20-Oct-2020	21-Oct-2020	21-Oct-2020	21-Oct-2020	21-Oct-2020	20-Oct-2020
VOC MS (S)	19-Oct-2020		20-Oct-2020	20-Oct-2020	21-Oct-2020	21-Oct-2020	21-Oct-2020	21-Oct-2020	20-Oct-2020	19-Oct-2020



CERTIFICATE OF ANALYSIS

SDG: 201014-61
Location: Ten Acres Lane**Client Reference:** LD10162
Order Number: LD1659**Report Number:** 574266
Superseded Report: 572741**Lab Sample No(s)**
Customer Sample Ref.**AGS Ref.**
Depth
Type

	23029237	23029143	23029150
	TP148	TP149	TP149
	ES1	ES1	ES2
	0.40 - 0.40	0.50 - 0.50	1.60 - 1.60
	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Alkalinity Filtered as CaCO ₃	21-Oct-2020		
Anions by Kone (soil)		21-Oct-2020	21-Oct-2020
Anions by Kone (w)	21-Oct-2020		
Asbestos ID in Solid Samples		22-Oct-2020	22-Oct-2020
Asbestos Quantification - Full		05-Nov-2020	
Boron Water Soluble		21-Oct-2020	21-Oct-2020
CEN 10:1 Leachate (1 Stage)	20-Oct-2020		
CEN Readings	21-Oct-2020		
Cyanide Comp/Free/Total/Thiocyanate	22-Oct-2020	21-Oct-2020	21-Oct-2020
Dissolved Metals by ICP-MS	21-Oct-2020		
Dissolved Organic/Inorganic Carbon	22-Oct-2020		
Easily Liberated Sulphide		21-Oct-2020	21-Oct-2020
EPH CWG GC (S)		20-Oct-2020	20-Oct-2020
GRO by GC-FID (S)		21-Oct-2020	21-Oct-2020
Hexavalent Chromium (s)		21-Oct-2020	21-Oct-2020
Low Level Hexavalent Chromium (w)	21-Oct-2020		
Mercury Dissolved	21-Oct-2020		
Metals in solid samples by OES		22-Oct-2020	22-Oct-2020
Moisture at 105C	19-Oct-2020		
PAH by GCMS		22-Oct-2020	22-Oct-2020
PAH in waters by GC-MS (diss.filt)	22-Oct-2020		
pH		21-Oct-2020	21-Oct-2020
pH Value	21-Oct-2020		
Phenols by HPLC (S)		22-Oct-2020	22-Oct-2020
Phenols by HPLC (W)	22-Oct-2020		
Sample description	16-Oct-2020	16-Oct-2020	16-Oct-2020
Sulphide	21-Oct-2020		
Total Organic Carbon		23-Oct-2020	22-Oct-2020
Total Sulphate		22-Oct-2020	22-Oct-2020
TPH CWG GC (S)		21-Oct-2020	21-Oct-2020
VOC MS (S)		21-Oct-2020	20-Oct-2020



CERTIFICATE OF ANALYSIS

SDG:	201014-61	Client Reference:	LD10162	Report Number:	574266
Location:	Ten Acres Lane	Order Number:	LD1659	Superseded Report:	572741

Appendix

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH₄ by the BRE method, VOC TICs and SVOC TICs.

2. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

3. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

4. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

5. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

6. NDP - No determination possible due to insufficient/unsuitable sample.

7. Results relate only to the items tested.

8. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

9. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

10. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

11. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

12. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

13. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

14. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

15. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

16. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

General

17. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as "mixed hydrocarbons". Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

18. Sample Deviations

If a sample is classed as deviated then the associated results may be compromised.

1	Container with Headspace provided for volatiles analysis
2	Incorrect container received
3	Deviation from method
4	Matrix interference
◆	Sample holding time exceeded in laboratory
@	Sample holding time exceeded due to late arrival of instructions or samples
§	Sampled on date not provided

19. Asbestos

When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of asbestos present is not determined unless specifically requested.

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Respirable Fibres

Respirable fibres are defined as fibres of <3 µm diameter, longer than 5 µm and with aspect ratios of at least 3:1 that can be inhaled into the lower regions of the lung and are generally acknowledged to be most important predictor of hazard and risk for cancers of the lung. Standing Committee of Analysts, *The Quantification of Asbestos in Soil* (2017).

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.



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Hawarden

Deeside

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Website: www.alsenvironmental.co.uk

Wardell Armstrong LLP
Sir Henry Doulton House
Forge Lane
Etruria
Stoke on Trent
Staffordshire
ST1 5BD

Attention: Jonathan Currie

CERTIFICATE OF ANALYSIS

Date of report Generation: 24 October 2020
Customer: Wardell Armstrong LLP
Sample Delivery Group (SDG): 201015-136
Your Reference: LD10162
Location: Ten Acres Lane
Report No: 572485

We received 7 samples on Wednesday October 14, 2020 and 3 of these samples were scheduled for analysis which was completed on Saturday October 24, 2020. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.

Incorrect sampling dates and/or sample information will affect the validity of results.

The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

Sonia McWhan

Operations Manager





CERTIFICATE OF ANALYSIS

Validated

SDG: 201015-136
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1664

Report Number: 572485
Superseded Report:

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
23041441	CP110		0.60 - 0.60	08/10/2020
23041445	CP113		0.50 - 0.50	08/10/2020
23041449	CP113		0.80 - 0.80	08/10/2020
23041422	TP104		1.80 - 1.80	09/10/2020
23041413	TP109		1.10 - 1.10	09/10/2020
23041433	TP138		1.60 - 1.60	09/10/2020
23041437	TP138		3.30 - 3.30	09/10/2020

Only received samples which have had analysis scheduled will be shown on the following pages.



CERTIFICATE OF ANALYSIS

Validated

SDG: 201015-136
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1664

Report Number: 572485
Superseded Report:

Results Legend



Test


No Determination
Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)

Customer
Sample Reference

AGS Reference

Depth (m)

Container

Sample Type

23041449

CP113

0.80 - 0.80

250g Amber Jar
(ALE210)

60g VOC (ALE215)

1kg Cardboard
Container

250g Amber Jar
(ALE210)

60g VOC (ALE215)

1kg Cardboard
Container

250g Amber Jar
(ALE210)

60g VOC (ALE215)

1kg Cardboard
Container

250g Amber Jar
(ALE210)

60g VOC (ALE215)

1kg Cardboard
Container

250g Amber Jar
(ALE210)

60g VOC (ALE215)

1kg Cardboard
Container

250g Amber Jar
(ALE210)

60g VOC (ALE215)

1kg Cardboard
Container

250g Amber Jar
(ALE210)

60g VOC (ALE215)

1kg Cardboard
Container

250g Amber Jar
(ALE210)

S

S

S

S

S

S

S

S

S

S

S

S

S

S

Anions by Kone (soil)

All

NDPs: 0
Tests: 3

X

X

X

Asbestos ID in Solid Samples

All

NDPs: 0
Tests: 3

X

X

X

Boron Water Soluble

All

NDPs: 0
Tests: 3

X

X

X

Cyanide Comp/Free/Total/Thiocyanate

All

NDPs: 0
Tests: 3

X

X

X

Easily Liberated Sulphide

All

NDPs: 0
Tests: 3

X

X

X

EPH CWG GC (S)

All

NDPs: 0
Tests: 3

X

X

X

GRO by GC-FID (S)

All

NDPs: 0
Tests: 3

X

X

X

Hexavalent Chromium (s)

All

NDPs: 0
Tests: 3

X

X

X

Metals in solid samples by OES

All

NDPs: 0
Tests: 3

X

X

X

PAH by GCMS

All

NDPs: 0
Tests: 3

X

X

X

pH

All

NDPs: 0
Tests: 3

X

X

X

Phenols by HPLC (S)

All

NDPs: 0
Tests: 3

X

X

X

Sample description

All

NDPs: 0
Tests: 1

X

Total Organic Carbon

All

NDPs: 0
Tests: 3

X

X

X

Total Sulphate

All

NDPs: 0
Tests: 3

X

X

X



CERTIFICATE OF ANALYSIS

Validated

SDG: 201015-136
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1664

Report Number: 572485
Superseded Report:

Results Legend



Test



No Determination Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container				Sample Type	
	23041433		TP138				1.60 - 1.60		60g VOC (ALE215)				S	
	23041422		TP104				1.80 - 1.80		250g Amber Jar (ALE210)				S	
	23041449		CP113				0.80 - 0.80		1kg Cardboard Container				S	
									60g VOC (ALE215)				S	
									250g Amber Jar (ALE210)				S	
TPH CWG GC (S)	All		NDPs: 0 Tests: 3											
VOC MS (S)	All		NDPs: 0 Tests: 3											



CERTIFICATE OF ANALYSIS

Validated

SDG: 201015-136
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1664

Report Number: 572485
Superseded Report:

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm
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Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Inclusions	Inclusions 2
23041449	CP113	0.80 - 0.80	Dark Brown	Sandy Clay Loam	None	None
23041422	TP104	1.80 - 1.80	Dark Brown	Sandy Loam	Vegetation	Brick
23041433	TP138	1.60 - 1.60	Dark Brown	Sandy Loam	Vegetation	Brick

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.



CERTIFICATE OF ANALYSIS

SDG: 201015-136 Client Reference: LD10162 Report Number: 572485
 Location: Ten Acres Lane Order Number: LD1664 Superseded Report:

Asbestos Identification - Solid Samples

Results Legend

ISO17025 accredited.
 M mCERIS accredited.
 * Subcontracted test.
 (F) Trigger breach confirmed
 1-5&*%@ Sample deviation (see appendix)

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	CP113 0.80 - 0.80 SOLID 08/10/2020 00:00:00 14/10/2020 05:00:00 201015-136 23041449 TM048	23/10/2020	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP104 1.80 - 1.80 SOLID 09/10/2020 00:00:00 14/10/2020 05:00:00 201015-136 23041422 TM048	23/10/2020	Barbara Urbanek-Wals h	Loose fibres in soil.	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP138 1.60 - 1.60 SOLID 09/10/2020 00:00:00 14/10/2020 05:00:00 201015-136 23041433 TM048	23/10/2020	Barbara Urbanek-Wals h	Soil containing ACM debris.	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

Validated

SDG: 201015-136
Location: Ten Acres Lane**Client Reference:** LD10162
Order Number: LD1664**Report Number:** 572485
Superseded Report:

Table of Results - Appendix

Method No	Reference	Description
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material
TM062 (S)	National Grid Property Holdings Methods for the Collection & Analysis of Samples from National Grid Sites version 1 Sec 3.9	Determination of Phenols in Soils by HPLC
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) by Headspace GC-FID (C4-C12)
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS
TM132	In - house Method	ELTRA CS800 Operators Guide
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the Skalar SANS+ System Segmented Flow Analyser
TM180	Sulphide in waters and waste waters 1991 ISBN 01 175 7186 SCA rec. 2007 (unpublished)	The Determination Of Easily Liberated Sulphide In Soil Samples by Ion Selective Electrode Technique
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES
TM218	Shaker extraction - EPA method 3546.	The determination of PAH in soil samples by GC-MS
TM221	Inductively Coupled Plasma - Atomic Emission Spectroscopy. An Atlas of Spectral Information: Winge, Fassel, Peterson and Floyd	Determination of Acid extractable Sulphate in Soils by IRIS Emission Spectrometer
TM222	In-House Method	Determination of Hot Water Soluble Boron in Soils (10:1 Water:soil) by IRIS Emission Spectrometer
TM243		Mixed Anions In Soils By Kone
TM414	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GCxGC-FID

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).



CERTIFICATE OF ANALYSIS

SDG: 201015-136
Location: Ten Acres Lane**Client Reference:** LD10162
Order Number: LD1664**Report Number:** 572485
Superseded Report:

Test Completion Dates

Lab Sample No(s)	23041449	23041422	23041433
Customer Sample Ref.	CP113	TP104	TP138
AGS Ref.			
Depth	0.80 - 0.80	1.80 - 1.80	1.60 - 1.60
Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Anions by Kone (soil)	22-Oct-2020	22-Oct-2020	22-Oct-2020
Asbestos ID in Solid Samples	23-Oct-2020	23-Oct-2020	23-Oct-2020
Boron Water Soluble	22-Oct-2020	22-Oct-2020	22-Oct-2020
Cyanide Comp/Free/Total/Thiocyanate	22-Oct-2020	22-Oct-2020	22-Oct-2020
Easily Liberated Sulphide	21-Oct-2020	21-Oct-2020	22-Oct-2020
EPH CWG GC (S)	22-Oct-2020	22-Oct-2020	22-Oct-2020
GRO by GC-FID (S)	22-Oct-2020	22-Oct-2020	22-Oct-2020
Hexavalent Chromium (s)	22-Oct-2020	22-Oct-2020	22-Oct-2020
Metals in solid samples by OES	23-Oct-2020	23-Oct-2020	23-Oct-2020
PAH by GCMS	24-Oct-2020	24-Oct-2020	22-Oct-2020
pH	22-Oct-2020	21-Oct-2020	22-Oct-2020
Phenols by HPLC (S)	23-Oct-2020	23-Oct-2020	23-Oct-2020
Sample description	20-Oct-2020	21-Oct-2020	21-Oct-2020
Total Organic Carbon	23-Oct-2020	23-Oct-2020	23-Oct-2020
Total Sulphate	22-Oct-2020	22-Oct-2020	22-Oct-2020
TPH CWG GC (S)	22-Oct-2020	22-Oct-2020	22-Oct-2020
VOC MS (S)	21-Oct-2020	21-Oct-2020	21-Oct-2020



CERTIFICATE OF ANALYSIS

SDG:	201015-136	Client Reference:	LD10162	Report Number:	572485
Location:	Ten Acres Lane	Order Number:	LD1664	Superseded Report:	

Appendix

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH₄ by the BRE method, VOC TICs and SVOC TICs.

2. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

3. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

4. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

5. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

6. NDP - No determination possible due to insufficient/unsuitable sample.

7. Results relate only to the items tested.

8. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

9. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

10. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

11. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

12. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

13. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

14. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

15. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

16. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

General

17. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as "mixed hydrocarbons". Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

18. Sample Deviations

If a sample is classed as deviated then the associated results may be compromised.

1	Container with Headspace provided for volatiles analysis
2	Incorrect container received
3	Deviation from method
4	Matrix interference
◆	Sample holding time exceeded in laboratory
@	Sample holding time exceeded due to late arrival of instructions or samples
§	Sampled on date not provided

19. Asbestos

When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of asbestos present is not determined unless specifically requested.

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Respirable Fibres

Respirable fibres are defined as fibres of <3 µm diameter, longer than 5 µm and with aspect ratios of at least 3:1 that can be inhaled into the lower regions of the lung and are generally acknowledged to be most important predictor of hazard and risk for cancers of the lung. Standing Committee of Analysts, *The Quantification of Asbestos in Soil* (2017).

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.



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Website: www.alsenvironmental.co.uk

Wardell Armstrong LLP

36 Park Row

Leeds

LS1 5JL

Attention: Jonathan Currie

CERTIFICATE OF ANALYSIS

Date of report Generation: 12 June 2021
Customer: Wardell Armstrong LLP
Sample Delivery Group (SDG): 201020-9
Your Reference: LD10162
Location: Ten Acres Lane
Report No: 601712

This report has been revised and directly supersedes 599546 in its entirety.

We received 13 samples on Wednesday October 14, 2020 and 7 of these samples were scheduled for analysis which was completed on Wednesday May 26, 2021. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.

Incorrect sampling dates and/or sample information will affect the validity of results.

The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

Sonia McWhan

Operations Manager





CERTIFICATE OF ANALYSIS

Validated

SDG:	201020-9	Client Reference:	LD10162	Report Number:	601712
Location:	Ten Acres Lane	Order Number:	LD1668	Superseded Report:	599546

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
23067137	CP104	ES02		12/10/2020
23067134	CP104	ES01	0.50 - 0.50	12/10/2020
23067092	CP104		1.50 - 1.50	12/10/2020
23067095	CP104		2.70 - 2.70	12/10/2020
23067122	CP107		0.50 - 0.50	12/10/2020
23067127	CP107		3.00 - 3.00	12/10/2020
23067131	CP107		4.50 - 4.50	12/10/2020
23067109	TP106		1.30 - 1.30	12/10/2020
23067118	TP119		1.70 - 1.70	12/10/2020
23067113	TP120		3.10 - 3.10	12/10/2020
23067088	TP121		2.20 - 2.20	12/10/2020
23067098	TP147		3.30 - 3.30	12/10/2020
23067103	TP150		2.20 - 2.20	12/10/2020

Only received samples which have had analysis scheduled will be shown on the following pages.



CERTIFICATE OF ANALYSIS

Validated

SDG: 201020-9
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1668

Report Number: 601712
Superseded Report: 599546

Results Legend

X Test
N No Determination Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Results Legend X Test N No Determination Possible Sample Types - S - Soil/Solid UNS - Unspecified Solid GW - Ground Water SW - Surface Water LE - Land Leachate PL - Prepared Leachate PR - Process Water SA - Saline Water TE - Trade Effluent TS - Treated Sewage US - Untreated Sewage RE - Recreational Water DW - Drinking Water Non-regulatory UNL - Unspecified Liquid SL - Sludge G - Gas OTH - Other	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container		Sample Type	
	23067103		TP150		2.20 - 2.20		60g VOC (ALE215)		S		S	
	23067088		TP121		2.20 - 2.20		250g Amber Jar (ALE210) 1kg TUB with Handle (ALE260) 60g VOC (ALE215)		S		S	
	23067113		TP120		3.10 - 3.10		250g Amber Jar (ALE210) 1kg TUB with Handle (ALE260) 250g Amber Jar (ALE210)		S		S	
	23067118		TP119		1.70 - 1.70		1kg Cardboard Container 60g VOC (ALE215)		S		S	
	23067131		CP107		4.50 - 4.50		250g Amber Jar (ALE210) 60g VOC (ALE215)		S		S	
	23067127		CP107		3.00 - 3.00		250g Amber Jar (ALE210) 1kg Cardboard Container 60g VOC (ALE215)		S		S	
23067095		CP104		2.70 - 2.70		250g Amber Jar (ALE210)		S		S		
Alkalinity Filtered as CaCO3			All		NDPs: 0 Tests: 2							
Anions by Kone (soil)			All		NDPs: 0 Tests: 5							
Anions by Kone (w)			All		NDPs: 0 Tests: 2							
Asbestos ID in Solid Samples			All		NDPs: 0 Tests: 5							
Asbestos Quantification - Full			All		NDPs: 1 Tests: 0							
Boron Water Soluble			All		NDPs: 0 Tests: 5							
CEN Readings			All		NDPs: 0 Tests: 2							
Cyanide Comp/Free/Total/Thiocyanate			All		NDPs: 0 Tests: 7							
Dissolved Metals by ICP-MS			All		NDPs: 0 Tests: 2							
Dissolved Organic/Inorganic Carbon			All		NDPs: 0 Tests: 2							
Easily Liberated Sulphide			All		NDPs: 0 Tests: 5							
EPH CWG (Aliphatic) Filtered GC (W)			All		NDPs: 0 Tests: 2							
EPH CWG (Aromatic) Filtered GC (W)			All		NDPs: 0 Tests: 2							
EPH CWG GC (S)			All		NDPs: 0 Tests: 5							
GRO by GC-FID (S)			All		NDPs: 0 Tests: 5							



CERTIFICATE OF ANALYSIS

Validated

SDG: 201020-9 Client Reference: LD10162 Report Number: 601712
Location: Ten Acres Lane Order Number: LD1668 Superseded Report: 599546

Results Legend

X Test
N No Determination Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Results Legend	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container		Sample Type	
	23067103		TP150				2.20 - 2.20		60g VOC (ALE215)	S		
	23067088		TP121				2.20 - 2.20		250g Amber Jar (ALE210)	S		
	23067113		TP120				3.10 - 3.10		1kg TUB with Handle (ALE260)	S		
	23067118		TP119				1.70 - 1.70		250g Amber Jar (ALE210)	S		
	23067127		CP107				3.00 - 3.00		60g VOC (ALE215)	S		
Results Legend	23067131		CP107				4.50 - 4.50		250g Amber Jar (ALE210)	S		
	23067095		CP104				2.70 - 2.70		60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									250g Amber Jar (ALE210)	S		
Results Legend									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
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									60g VOC (ALE215)	S		
Results Legend									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									250g Amber Jar (ALE210)	S		
Results Legend									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
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Results Legend									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
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Results Legend									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
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Results Legend									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
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Results Legend									60g VOC (ALE215)	S		
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Results Legend									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
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									250g Amber Jar (ALE210)	S		
Results Legend									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
Results Legend									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									250g Amber Jar (ALE210)	S		
Results Legend									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
Results Legend									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
									250g Amber Jar (ALE210)	S		
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Results Legend									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
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Results Legend									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									250g Amber Jar (ALE210)	S		
Results Legend									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
									250g Amber Jar (ALE210)	S		
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									60g VOC (ALE215)	S		
Results Legend									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									250g Amber Jar (ALE210)	S		
Results Legend									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
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Results Legend									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									250g Amber Jar (ALE210)	S		
Results Legend									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
Results Legend									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									250g Amber Jar (ALE210)	S		
Results Legend									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
Results Legend									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									250g Amber Jar (ALE210)	S		
Results Legend									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
Results Legend									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		
									1kg Cardboard Container	S		
									250g Amber Jar (ALE210)	S		
									60g VOC (ALE215)	S		



CERTIFICATE OF ANALYSIS

Validated

SDG: 201020-9 Client Reference: LD10162 Report Number: 601712
Location: Ten Acres Lane Order Number: LD1668 Superseded Report: 599546

Results Legend

X Test
N No Determination Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container	Sample Type										
						23067103	23067088	23067113	23067118	23067131	23067127	23067095	23067103	23067088	23067113
						TP150	TP121	TP120	TP119	CP107	CP107	CP104	TP150	TP121	TP120
						220 - 220	220 - 220	3.10 - 3.10	1.70 - 1.70	4.50 - 4.50	3.00 - 3.00	2.70 - 2.70	220 - 220	220 - 220	3.10 - 3.10
						60g VOC (ALE215)	60g VOC (ALE215)	250g Amber Jar (ALE210)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	1kg Cardboard Container	250g Amber Jar (ALE210)	60g VOC (ALE215)	60g VOC (ALE215)	250g Amber Jar (ALE210)
						S	S	S	S	S	S	S	S	S	S
Total Organic Carbon	All	NDPs: 0 Tests: 5													
Total Sulphate	All	NDPs: 0 Tests: 5													
TPH CWG Filtered (W)	All	NDPs: 0 Tests: 2													
TPH CWG GC (S)	All	NDPs: 0 Tests: 5													
VOC MS (S)	All	NDPs: 0 Tests: 5													



CERTIFICATE OF ANALYSIS

Validated

SDG: 201020-9
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1668

Report Number: 601712
Superseded Report: 599546

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm
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Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Inclusions	Inclusions 2
23067095	CP104	2.70 - 2.70	Dark Brown	Loamy Sand	Stones	None
23067127	CP107	3.00 - 3.00	Dark Brown	Loamy Sand	Vegetation	Stones
23067131	CP107	4.50 - 4.50	Dark Brown	Sand	Stones	Brick
23067118	TP119	1.70 - 1.70	Dark Brown	Sandy Loam	Stones	Oil/Petroleum
23067113	TP120	3.10 - 3.10	Dark Brown	Loamy Sand	Vegetation	Stones
23067088	TP121	2.20 - 2.20	Dark Brown	Clay	None	None
23067103	TP150	2.20 - 2.20	Dark Brown	Loamy Sand	Stones	None

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.



CERTIFICATE OF ANALYSIS

Validated

SDG: 201020-9
Location: Ten Acres LaneClient Reference: LD10162
Order Number: LD1668Report Number: 601712
Superseded Report: 599546

Results Legend			Customer Sample Ref.		CP104	CP107	CP107	TP119	TP120	TP121
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		2.70 - 2.70	3.00 - 3.00	4.50 - 4.50	1.70 - 1.70	3.10 - 3.10	2.20 - 2.20
M	mCERTS accredited.				Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
aq	Aqueous / settled sample.				12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.				14/10/2020	14/10/2020	14/10/2020	14/10/2020	14/10/2020	14/10/2020
+	Subcontracted - refer to subcontractor report for accreditation status.				201020-9	201020-9	201020-9	201020-9	201020-9	201020-9
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				23067095	23067127	23067131	23067118	23067113	23067088
(F)	Trigger breach confirmed									
1-4*5@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
Moisture Content Ratio (% of as received sample)	%	PM024			16	18	18	11	12	15
Phenol	<0.01 mg/kg	TM062 (S)			<0.01		0.0122	0.0336		<0.01
					@ M		@ M	@ M		@ M
Cresols	<0.01 mg/kg	TM062 (S)			<0.01		0.0366	0.056		<0.01
					@ M		@ M	@ M		@ M
Xylenols	<0.015 mg/kg	TM062 (S)			<0.015		0.183	<0.015		<0.015
					@ M		@ M	@ M		@ M
Phenols, Total Detected monohydric	<0.035 mg/kg	TM062 (S)			<0.035		0.232	0.0896		<0.035
					@ M		@ M	@ M		@ M
Soil Organic Matter (SOM)	<0.35 %	TM132			1.49		3.78	7.53		1.13
					#		#	#		#
pH	1 pH Units	TM133			8.28		7.81	7.89		7.75
					M		M	M		M
Chromium, Hexavalent	<0.6 mg/kg	TM151			<0.6		<0.6	<0.6		<0.6
					#		#	#		#
Cyanide, Total	<1 mg/kg	TM153			<1		<1	5.7		<1
					@ M		@ M	@ M		@ M
PCB congener 28	<3 µg/kg	TM168					<30	64.8		
							M	M		
PCB congener 52	<3 µg/kg	TM168					<30	24.7		
							M	M		
PCB congener 101	<3 µg/kg	TM168					<30	26.5		
							M	M		
PCB congener 118	<3 µg/kg	TM168					<30	16.8		
							M	M		
PCB congener 138	<3 µg/kg	TM168					<30	17.1		
							M	M		
PCB congener 153	<3 µg/kg	TM168					<30	<15		
							M	M		
PCB congener 180	<3 µg/kg	TM168					<30	<15		
							M	M		
Sum of detected PCB 7 Congeners	<21 µg/kg	TM168					<210	150		
Sulphide, Easily liberated	<15 mg/kg	TM180			195		200	91.6		<15
					@ M		@ M	@ M		@ M
Arsenic	<0.6 mg/kg	TM181			10.8		8.2	20.8		8.52
					M		M	M		M
Cadmium	<0.02 mg/kg	TM181			0.299		0.407	3.21		0.0607
					M		M	M		M
Chromium	<0.9 mg/kg	TM181			12.9		13.5	32.4		25.3
					M		M	M		M
Copper	<1.4 mg/kg	TM181			56		76.6	162		22.6
					M		M	M		M
Lead	<0.7 mg/kg	TM181			113		589	352		12.7
					M		M	M		M
Mercury	<0.1 mg/kg	TM181			<0.14		0.144	0.329		<0.14
					M		M	M		M
Nickel	<0.2 mg/kg	TM181			15.9		19.2	35.8		45.4
					M		M	M		M
Selenium	<1 mg/kg	TM181			<1		<1	<1		<1
					#		#	#		#
Zinc	<1.9 mg/kg	TM181			188		474	873		60.8
					M		M	M		M
Sulphate, Total	<48 mg/kg	TM221			1150		12300	1020		<48
					M		M	M		M
Boron, water soluble	<1 mg/kg	TM222			<1		<1	<1		<1
					M		M	M		M
Water Soluble Sulphate as SO4 2:1 Extract	<0.004 g/l	TM243			0.128		1.5	0.0837		0.0493
					M		M	M		M



CERTIFICATE OF ANALYSIS

Validated

SDG: 201020-9 Client Reference: LD10162 Report Number: 601712
Location: Ten Acres Lane Order Number: LD1668 Superseded Report: 599546

Results Legend		Customer Sample Ref.	TP150				
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	2.20 - 2.20				
M	mCERTS accredited.		Soil/Solid (S)				
aq	Aqueous / settled sample.		12/10/2020				
diss.filt	Dissolved / filtered sample.		14/10/2020				
tot.unfilt	Total / unfiltered sample.		201020-9				
*	Subcontracted - refer to subcontractor report for accreditation status.		23067103				
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery						
(F)	Trigger breach confirmed						
1-4*\$@	Sample deviation (see appendix)						
Component	LOD/Units	Method					
Moisture Content Ratio (% of as received sample)	%	PM024	27				
Phenol	<0.01 mg/kg	TM062 (S)	<0.01	@ M			
Cresols	<0.01 mg/kg	TM062 (S)	<0.01	@ M			
Xylenols	<0.015 mg/kg	TM062 (S)	<0.015	@ M			
Phenols, Total Detected monohydric	<0.035 mg/kg	TM062 (S)	<0.035	@ M			
Soil Organic Matter (SOM)	<0.35 %	TM132	3.34	#			
pH	1 pH Units	TM133	7.12	M			
Chromium, Hexavalent	<0.6 mg/kg	TM151	<0.6	#			
Cyanide, Total	<1 mg/kg	TM153	<1	@ M			
PCB congener 28	<3 µg/kg	TM168	<3	M			
PCB congener 52	<3 µg/kg	TM168	11.7	M			
PCB congener 101	<3 µg/kg	TM168	19.7	M			
PCB congener 118	<3 µg/kg	TM168	10.3	M			
PCB congener 138	<3 µg/kg	TM168	14.8	M			
PCB congener 153	<3 µg/kg	TM168	9.46	M			
PCB congener 180	<3 µg/kg	TM168	<3	M			
Sum of detected PCB 7 Congeners	<21 µg/kg	TM168	65.9				
Sulphide, Easily liberated	<15 mg/kg	TM180	2610	@ M			
Arsenic	<0.6 mg/kg	TM181	20.6	M			
Cadmium	<0.02 mg/kg	TM181	<0.2	M			
Chromium	<0.9 mg/kg	TM181	70.9	M			
Copper	<1.4 mg/kg	TM181	1250	M			
Lead	<0.7 mg/kg	TM181	133	M			
Mercury	<0.1 mg/kg	TM181	<1.4	M			
Nickel	<0.2 mg/kg	TM181	87.3	M			
Selenium	<1 mg/kg	TM181	31.1	#			
Zinc	<1.9 mg/kg	TM181	463	M			
Sulphate, Total	<48 mg/kg	TM221	3330	M			
Boron, water soluble	<1 mg/kg	TM222	1.42	M			
Water Soluble Sulphate as SO4 2:1 Extract	<0.004 g/l	TM243	0.417	M			



CERTIFICATE OF ANALYSIS

Validated

SDG: 201020-9 Client Reference: LD10162 Report Number: 601712
Location: Ten Acres Lane Order Number: LD1668 Superseded Report: 599546

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.	CP104	CP107	TP119			
#	ISO17025 accredited.								
M	mCERTS accredited.								
aq	Aqueous / settled sample.								
diss.filt	Dissolved / filtered sample.								
tot.unfilt	Total / unfiltered sample.								
*	Subcontracted - refer to subcontractor report for accreditation status.								
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery								
(F)	Trigger breach confirmed								
1-4*5@	Sample deviation (see appendix)								
		Depth (m)							
		Sample Type							
		Date Sampled							
		Sample Time							
		Date Received							
		SDG Ref							
		Lab Sample No.(s)							
		AGS Reference							
Component	LOD/Units	Method							
Phenol	<100 µg/kg	TM157	<100	<200	499				
Pentachlorophenol	<100 µg/kg	TM157	<100	<200	<200				
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157	<100	<200	<200				
Nitrobenzene	<100 µg/kg	TM157	<100	<200	<200				
Isophorone	<100 µg/kg	TM157	<100	<200	<200				
Hexachloroethane	<100 µg/kg	TM157	<100	<200	<200				
Hexachlorocyclopentadiene	<100 µg/kg	TM157	<100	<200	<400				
Hexachlorobutadiene	<100 µg/kg	TM157	<100	<200	<200				
Hexachlorobenzene	<100 µg/kg	TM157	<100	<200	<200				
n-Dioctyl phthalate	<100 µg/kg	TM157	<100	284	<200				
Dimethyl phthalate	<100 µg/kg	TM157	<100	<200	<200				
Diethyl phthalate	<100 µg/kg	TM157	<100	<200	<200				
n-Dibutyl phthalate	<100 µg/kg	TM157	<100	256	265				
Dibenzofuran	<100 µg/kg	TM157	144	376	245				
Carbazole	<100 µg/kg	TM157	<100	376	416				
Butylbenzyl phthalate	<100 µg/kg	TM157	<100	102000	<200				
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157	<100	37300	1830				
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157	<100	<200	<200				
bis(2-Chloroethyl)ether	<100 µg/kg	TM157	<100	<200	<200				
Azobenzene	<100 µg/kg	TM157	<100	<200	<200				
4-Nitrophenol	<100 µg/kg	TM157	<100	<200	<200				
4-Nitroaniline	<100 µg/kg	TM157	<100	<200	<200				
4-Methylphenol	<100 µg/kg	TM157	<100	<200	<200				
4-Chlorophenylphenylether	<100 µg/kg	TM157	<100	<200	<200				
4-Chloroaniline	<100 µg/kg	TM157	<100	<200	<200				
4-Chloro-3-methylphenol	<100 µg/kg	TM157	<100	<200	<200				
4-Bromophenylphenylether	<100 µg/kg	TM157	<100	<200	<200				
3-Nitroaniline	<100 µg/kg	TM157	<100	<200	<200				
2-Nitrophenol	<100 µg/kg	TM157	<100	<200	<200				
2-Nitroaniline	<100 µg/kg	TM157	<100	<200	<200				
2-Methylphenol	<100 µg/kg	TM157	<100	<200	<200				
1,2,4-Trichlorobenzene	<100 µg/kg	TM157	<100	<200	<200				
2-Chlorophenol	<100 µg/kg	TM157	<100	<200	<200				



CERTIFICATE OF ANALYSIS

Validated

SDG: 201020-9
Location: Ten Acres LaneClient Reference: LD10162
Order Number: LD1668Report Number: 601712
Superseded Report: 599546

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		CP104	CP107	TP119			
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		2.70 - 2.70	4.50 - 4.50	1.70 - 1.70			
M	mCERTS accredited.				Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)			
sq	Aqueous / settled sample.				12/10/2020	12/10/2020	12/10/2020			
dis.filt	Dissolved / filtered sample.				.	.	.			
tot.unfilt	Total / unfiltered sample.				14/10/2020	14/10/2020	14/10/2020			
*	Subcontracted - refer to subcontractor report for accreditation status.				201020-9	201020-9	201020-9			
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				23067095	23067131	23067118			
(F)	Trigger breach confirmed									
1-4*§@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
2,6-Dinitrotoluene	<100 µg/kg	TM157			<100	<200	<200			
2,4-Dinitrotoluene	<100 µg/kg	TM157			<100	<200	<200			
2,4-Dimethylphenol	<100 µg/kg	TM157			<100	<200	<200			
2,4-Dichlorophenol	<100 µg/kg	TM157			<100	<200	<200			
2,4,6-Trichlorophenol	<100 µg/kg	TM157			<100	<200	<200			
2,4,5-Trichlorophenol	<100 µg/kg	TM157			<100	<200	<200			
1,4-Dichlorobenzene	<100 µg/kg	TM157			<100	<200	<200			
1,3-Dichlorobenzene	<100 µg/kg	TM157			<100	<200	<200			
1,2-Dichlorobenzene	<100 µg/kg	TM157			<100	<200	<200			
2-Chloronaphthalene	<100 µg/kg	TM157			<100	<200	<200			
2-Methylnaphthalene	<100 µg/kg	TM157			<100	<200	228			
Acenaphthylene	<100 µg/kg	TM157			<100	<200	<200			
Acenaphthene	<100 µg/kg	TM157			264	426	411			
Anthracene	<100 µg/kg	TM157			348	1230	1180			
Benzo(a)anthracene	<100 µg/kg	TM157			708	2060	3270			
Benzo(b)fluoranthene	<100 µg/kg	TM157			552	1590	3300			
Benzo(k)fluoranthene	<100 µg/kg	TM157			588	1430	2280			
Benzo(a)pyrene	<100 µg/kg	TM157			600	1790	2980			
Benzo(g,h,i)perylene	<100 µg/kg	TM157			384	894	1920			
Chrysene	<100 µg/kg	TM157			780	1830	3110			
Fluoranthene	<100 µg/kg	TM157			1750	5330	8170			
Fluorene	<100 µg/kg	TM157			192	576	377			
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157			264	1510	2780			
Phenanthrene	<100 µg/kg	TM157			1450	4930	4420			
Pyrene	<100 µg/kg	TM157			1720	4260	6930			
Naphthalene	<100 µg/kg	TM157			192	<200	244			
Dibenzo(a,h)anthracene	<100 µg/kg	TM157			<100	<200	326			
Bis(2-chloroisopropyl) ether	<100 µg/kg	TM157			<100	<200	<200			



CERTIFICATE OF ANALYSIS

Validated

SDG: 201020-9 Client Reference: LD10162 Report Number: 601712
Location: Ten Acres Lane Order Number: LD1668 Superseded Report: 599546

VOC MS (S)

Results Legend			Customer Sample Ref.		CP104	CP107	TP119	TP121	TP150	
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		2.70 - 2.70	4.50 - 4.50	1.70 - 1.70	2.20 - 2.20	2.20 - 2.20	
M	mCERTS accredited.				Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	
aq	Aqueous / settled sample.				12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	
diss.filt	Dissolved / filtered sample.				14/10/2020	14/10/2020	14/10/2020	14/10/2020	14/10/2020	
tot.unfilt	Total / unfiltered sample.				201020-9	201020-9	201020-9	201020-9	201020-9	
*	Subcontracted - refer to subcontractor report for accreditation status.				23067095	23067131	23067118	23067088	23067103	
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-4*5@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
Dibromofluoromethane**	%	TM116			102	111	111	105	112	
Toluene-d8**	%	TM116			90.4	90.2	96	94.9	96.8	
4-Bromofluorobenzene**	%	TM116			70.3	70.3	85.7	70.1	90.5	
Dichlorodifluoromethane	<6 µg/kg	TM116			<6	<6	<120			
Chloromethane	<7 µg/kg	TM116			<7	<7	<140			
Vinyl Chloride	<6 µg/kg	TM116			<6	<6	<120			
Bromomethane	<10 µg/kg	TM116			<10	<10	<200			
Chloroethane	<10 µg/kg	TM116			<10	<10	<200			
Trichlorofluoromethane	<6 µg/kg	TM116			<6	<6	<120			
1,1-Dichloroethene	<10 µg/kg	TM116			<10	<10	<200			
Carbon Disulphide	<7 µg/kg	TM116			<7	18.4	<140			
Dichloromethane	<10 µg/kg	TM116			26.9	<10	<200			
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116			<10	<10	<200	<10	<200	
trans-1,2-Dichloroethene	<10 µg/kg	TM116			<10	<10	<200			
1,1-Dichloroethane	<8 µg/kg	TM116			<8	<8	<160			
cis-1,2-Dichloroethene	<6 µg/kg	TM116			<6	<6	<120			
2,2-Dichloropropane	<10 µg/kg	TM116			<10	<10	<200			
Bromochloromethane	<10 µg/kg	TM116			<10	<10	<200			
Chloroform	<8 µg/kg	TM116			<8	<8	<160			
1,1,1-Trichloroethane	<7 µg/kg	TM116			<7	<7	<140			
1,1-Dichloropropene	<10 µg/kg	TM116			<10	<10	<200			
Carbontetrachloride	<10 µg/kg	TM116			<10	<10	<200			
1,2-Dichloroethane	<5 µg/kg	TM116			<5	<5	<100			
Benzene	<9 µg/kg	TM116			<9	<9	<180	<9	<180	
Trichloroethene	<9 µg/kg	TM116			<9	<9	<180			
1,2-Dichloropropane	<10 µg/kg	TM116			<10	<10	<200			
Dibromomethane	<9 µg/kg	TM116			<9	<9	<180			
Bromodichloromethane	<7 µg/kg	TM116			<7	<7	<140			
cis-1,3-Dichloropropene	<10 µg/kg	TM116			<10	<10	<200			
Toluene	<7 µg/kg	TM116			<7	<7	<140	<7	<140	
trans-1,3-Dichloropropene	<10 µg/kg	TM116			<10	<10	<200			
1,1,2-Trichloroethane	<10 µg/kg	TM116			<10	<10	<200			
1,3-Dichloropropane	<7 µg/kg	TM116			<7	<7	<140			



CERTIFICATE OF ANALYSIS

Validated

SDG: 201020-9 Client Reference: LD10162 Report Number: 601712
Location: Ten Acres Lane Order Number: LD1668 Superseded Report: 599546

VOC MS (S)

Results Legend			Customer Sample Ref.		CP104	CP107	TP119	TP121	TP150	
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		2.70 - 2.70	4.50 - 4.50	1.70 - 1.70	2.20 - 2.20	2.20 - 2.20	
M	mCERTS accredited.				Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	
aq	Aqueous / settled sample.				12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	
dis.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.				14/10/2020	14/10/2020	14/10/2020	14/10/2020	14/10/2020	
*	Subcontracted - refer to subcontractor report for accreditation status.				201020-9	201020-9	201020-9	201020-9	201020-9	
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				23067095	23067131	23067118	23067088	23067103	
(F)	Trigger breach confirmed									
1-4*§@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
Tetrachloroethene	<5 µg/kg	TM116			<5	<5	<100			
					M	M	M			
Dibromochloromethane	<10 µg/kg	TM116			<10	<10	<200			
					M	M	M			
1,2-Dibromoethane	<10 µg/kg	TM116			<10	<10	<200			
					M	M	M			
Chlorobenzene	<5 µg/kg	TM116			<5	<5	<100			
					M	M	M			
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116			<10	<10	<200			
					M	M	M			
Ethylbenzene	<4 µg/kg	TM116			<4	<4	<80	<4	<80	
					M	M	M	M	M	
p/m-Xylene	<10 µg/kg	TM116			<10	<10	<200	<10	<200	
					#	#	#	#	#	
o-Xylene	<10 µg/kg	TM116			<10	<10	<200	<10	<200	
					M	M	M	M	M	
Styrene	<10 µg/kg	TM116			<10	<10	<200			
					#	#	#			
Bromoform	<10 µg/kg	TM116			<10	<10	<200			
					M	M	M			
Isopropylbenzene	<5 µg/kg	TM116			<5	<5	<100			
					#	#	#			
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116			<10	<10	<200			
					#	#	#			
1,2,3-Trichloropropane	<16 µg/kg	TM116			<16	<16	<320			
					M	M	M			
Bromobenzene	<10 µg/kg	TM116			<10	<10	<200			
					M	M	M			
Propylbenzene	<10 µg/kg	TM116			<10	<10	<200			
					M	M	M			
2-Chlorotoluene	<9 µg/kg	TM116			<9	<9	<180			
					M	M	M			
1,3,5-Trimethylbenzene	<8 µg/kg	TM116			<8	<8	<160			
					M	M	M			
4-Chlorotoluene	<10 µg/kg	TM116			<10	<10	<200			
					M	M	M			
tert-Butylbenzene	<14 µg/kg	TM116			<14	<14	<280			
					M	M	M			
1,2,4-Trimethylbenzene	<9 µg/kg	TM116			15.8	<9	<180			
					#	#	#			
sec-Butylbenzene	<10 µg/kg	TM116			<10	<10	<200			
4-Isopropyltoluene	<10 µg/kg	TM116			<10	<10	<200			
					M	M	M			
1,3-Dichlorobenzene	<8 µg/kg	TM116			<8	<8	<160			
					M	M	M			
1,4-Dichlorobenzene	<5 µg/kg	TM116			<5	<5	<100			
					M	M	M			
n-Butylbenzene	<11 µg/kg	TM116			<11	<11	<220			
1,2-Dichlorobenzene	<10 µg/kg	TM116			<10	<10	<200			
					M	M	M			
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116			<14	<14	<280			
					M	M	M			
Tert-amyl methyl ether	<10 µg/kg	TM116			<10	<10	<200			
					#	#	#			
1,2,4-Trichlorobenzene	<20 µg/kg	TM116			<20	<20	<400			
Hexachlorobutadiene	<20 µg/kg	TM116			<20	<20	<400			
Naphthalene	<13 µg/kg	TM116			473	<13	<260			
					M	M	M			
1,2,3-Trichlorobenzene	<20 µg/kg	TM116			<20	<20	<400			
					#	#	#			
1,3,5-Trichlorobenzene	<20 µg/kg	TM116			<20	<20	<400			



CERTIFICATE OF ANALYSIS

Validated

SDG: 201020-9 **Client Reference:** LD10162 **Report Number:** 601712
Location: Ten Acres Lane **Order Number:** LD1668 **Superseded Report:** 599546

Asbestos Identification - Solid Samples

Results Legend

ISO17025 accredited.
M mCERIS accredited.
* Subcontracted test.
(F) Trigger breach confirmed
1-5&*%@ Sample deviation (see appendix)

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	CP104 2.70 - 2.70 SOLID 12/10/2020 00:00:00 14/10/2020 05:00:00 201020-9 23067095 TM048	27/10/2020	Marcin Magdziarek	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	CP107 4.50 - 4.50 SOLID 12/10/2020 00:00:00 14/10/2020 05:00:00 201020-9 23067131 TM048	27/10/2020	Marcin Magdziarek	Soil containing ACM debris	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP119 1.70 - 1.70 SOLID 12/10/2020 00:00:00 14/10/2020 05:00:00 201020-9 23067118 TM048	27/10/2020	James Richards	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP121 2.20 - 2.20 SOLID 12/10/2020 00:00:00 14/10/2020 05:00:00 201020-9 23067088 TM048	27/10/2020	Marcin Magdziarek	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP150 2.20 - 2.20 SOLID 12/10/2020 00:00:00 14/10/2020 05:00:00 201020-9 23067103 TM048	27/10/2020	Marcin Magdziarek	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

Validated

SDG:	201020-9	Client Reference:	LD10162	Report Number:	601712
Location:	Ten Acres Lane	Order Number:	LD1668	Superseded Report:	599546

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference		Site Location	Ten Acres Lane
Mass Sample taken (kg)	0.110	Natural Moisture Content (%)	21.8
Mass of dry sample (kg)	0.090	Dry Matter Content (%)	82.1
Particle Size <4mm	>95%		

Case

SDG	201020-9
Lab Sample Number(s)	23067113
Sampled Date	12-Oct-2020
Customer Sample Ref.	TP120
Depth (m)	3.10 - 3.10

Eluate Analysis	C ₂ Conc ⁿ in 10:1 eluate (mg/l)		A ₂ 10:1 conc ⁿ leached (mg/kg)				
	Result	Limit of Detection	Result	Limit of Detection			
Aliphatics >C12-C16	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C16-C21	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C21-C35	<0.01	<0.01	<0.1	<0.1	-	-	-
Total Aliphatics >C12-C35	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC12-EC16	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC16-EC21	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC21-EC35	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC16-EC35	<0.01	<0.01	<0.1	<0.1	-	-	-
Total Aromatics >EC12-EC35	<0.01	<0.01	<0.1	<0.1	-	-	-
TPH (Total Aliphatics + Total Aromatics) >C5-C35	<0.01	<0.01	<0.1	<0.1	-	-	-
Total Alkalinity Filtered as CaCO ₃	65	<2	650	<20	-	-	-
Low Level Hexavalent Chromium	<0.003	<0.003	<0.03	<0.03	-	-	-
Free Cyanide (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Thiocyanate (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Total Cyanide (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Dissolved Organic Carbon	<3	<3	<30	<30	-	-	-
Mercury Dissolved (CVAF)	<0.00001	<0.00001	<0.0001	<0.0001	-	-	-
Arsenic	0.000978	<0.0005	0.00978	<0.005	-	-	-
Boron	0.113	<0.01	1.13	<0.1	-	-	-
Cadmium	0.000112	<0.00008	0.00112	<0.0008	-	-	-
Sulphate (soluble)	60.3	<2	603	<20	-	-	-
Acenaphthene (diss.filt)	0.0000225	<0.000005	0.000225	<0.00005	-	-	-
Acenaphthylene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Anthracene (diss.filt)	0.00000837	<0.000005	0.0000837	<0.00005	-	-	-
Chrysene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Fluoranthene (diss.filt)	0.0000408	<0.000005	0.000408	<0.00005	-	-	-
Fluorene (diss.filt)	0.0000077	<0.000005	0.000077	<0.00005	-	-	-
Naphthalene (diss.filt)	0.0000135	<0.00001	0.000135	<0.0001	-	-	-
Phenanthrene (diss.filt)	0.0000388	<0.000005	0.000388	<0.00005	-	-	-
Pyrene (diss.filt)	0.0000352	<0.000005	0.000352	<0.00005	-	-	-
Cresols by HPLC (W)	<0.006	<0.006	<0.06	<0.06	-	-	-
Phenol by HPLC (W)	<0.002	<0.002	<0.02	<0.02	-	-	-
Total Monohydric Phenols (W)	<0.016	<0.016	<0.16	<0.16	-	-	-
Xylenols by HPLC (W)	<0.008	<0.008	<0.08	<0.08	-	-	-
Sulphide	<0.01	<0.01	<0.1	<0.1	-	-	-

Leach Test Information

Date Prepared	22-Oct-2020
pH (pH Units)	8.49
Conductivity (µS/cm)	221.00
Temperature (°C)	6.20
Volume Leachant (Litres)	0.880

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12:41:49 12/06/2021



CERTIFICATE OF ANALYSIS

Validated

SDG: 201020-9
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1668

Report Number: 601712
Superseded Report: 599546

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference		Site Location	Ten Acres Lane
Mass Sample taken (kg)	0.110	Natural Moisture Content (%)	21.8
Mass of dry sample (kg)	0.090	Dry Matter Content (%)	82.1
Particle Size <4mm	>95%		

Case

SDG	201020-9
Lab Sample Number(s)	23067113
Sampled Date	12-Oct-2020
Customer Sample Ref.	TP120
Depth (m)	3.10 - 3.10

Eluate Analysis	C ₂ Conc ⁿ in 10:1 eluate (mg/l)		A ₂ 10:1 conc ⁿ leached (mg/kg)				
	Result	Limit of Detection	Result	Limit of Detection			
Calcium (Dis.Filt) mg/l	45.8	<0.2	458	<2	-	-	-
Chromium	0.00482	<0.001	0.0482	<0.01	-	-	-
Copper	0.00451	<0.0003	0.0451	<0.003	-	-	-
Lead	0.00164	<0.0002	0.0164	<0.002	-	-	-
Nickel	0.00551	<0.0004	0.0551	<0.004	-	-	-
Selenium	<0.001	<0.001	<0.01	<0.01	-	-	-
Benzo(a)anthracene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Benzo(a)pyrene (diss.filt)	<0.000002	<0.000002	<0.00002	<0.00002	-	-	-
Benzo(b)fluoranthene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Benzo(g,h,i)perylene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Benzo(k)fluoranthene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Dibenzo(a,h)anthracene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Indeno(1,2,3-cd)pyrene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
PAH 16 EPA Total by GCMS (diss.filt)	0.000167	<0.000082	0.00167	<0.00082	-	-	-
TPH CWG (W)							
Surrogate Recovery	-	<0	-	<0	-	-	-
GRO TOT (C5-C12)	<0.05	<0.05	<0.5	<0.5	-	-	-
Aliphatics C5-C6	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C6-C8	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C8-C10	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C10-C12	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics C6-C7	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >C7-C8	<0.01	<0.01	<0.1	<0.1	-	-	-
MTBE GC-FID	<0.003	<0.003	<0.03	<0.03	-	-	-
Aromatics >EC8 -EC10	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC10-EC12	<0.01	<0.01	<0.1	<0.1	-	-	-
Benzene by GC	<0.007	<0.007	<0.07	<0.07	-	-	-
Toluene by GC	<0.004	<0.004	<0.04	<0.04	-	-	-
Ethylbenzene by GC	<0.005	<0.005	<0.05	<0.05	-	-	-
m & p Xylene by GC	<0.008	<0.008	<0.08	<0.08	-	-	-
o Xylene by GC	<0.003	<0.003	<0.03	<0.03	-	-	-
Sum m&p and o Xylene by GC	<0.011	<0.011	<0.11	<0.11	-	-	-
Sum of BTEX by GC	<0.028	<0.028	<0.28	<0.28	-	-	-

Leach Test Information

Date Prepared	22-Oct-2020
pH (pH Units)	8.49
Conductivity (µS/cm)	221.00
Temperature (°C)	6.20
Volume Leachant (Litres)	0.880



CERTIFICATE OF ANALYSIS

Validated

SDG: 201020-9
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1668

Report Number: 601712
Superseded Report: 599546

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference		Site Location	Ten Acres Lane
Mass Sample taken (kg)	0.107	Natural Moisture Content (%)	19.2
Mass of dry sample (kg)	0.090	Dry Matter Content (%)	83.9
Particle Size <4mm	>95%		

Case

SDG	201020-9
Lab Sample Number(s)	23067127
Sampled Date	12-Oct-2020
Customer Sample Ref.	CP107
Depth (m)	3.00 - 3.00

Eluate Analysis	C ₂ Conc ⁿ in 10:1 eluate (mg/l)		A ₂ 10:1 conc ⁿ leached (mg/kg)				
	Result	Limit of Detection	Result	Limit of Detection			
Aliphatics >C12-C16	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C16-C21	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C21-C35	<0.01	<0.01	<0.1	<0.1	-	-	-
Total Aliphatics >C12-C35	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC12-EC16	0.013	<0.01	0.13	<0.1	-	-	-
Aromatics >EC16-EC21	0.036	<0.01	0.36	<0.1	-	-	-
Aromatics >EC21-EC35	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC16-EC35	0.036	<0.01	0.36	<0.1	-	-	-
Total Aromatics >EC12-EC35	0.049	<0.01	0.49	<0.1	-	-	-
TPH (Total Aliphatics + Total Aromatics) >C5-C35	0.049	<0.01	0.49	<0.1	-	-	-
Total Alkalinity Filtered as CaCO ₃	75	<2	750	<20	-	-	-
Low Level Hexavalent Chromium	<0.015	<0.015	<0.15	<0.15	-	-	-
Free Cyanide (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Thiocyanate (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Total Cyanide (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Dissolved Organic Carbon	3.76	<3	37.6	<30	-	-	-
Mercury Dissolved (CVAf)	0.0000234	<0.00001	0.000234	<0.0001	-	-	-
Arsenic	0.00105	<0.0005	0.0105	<0.005	-	-	-
Boron	0.021	<0.01	0.21	<0.1	-	-	-
Cadmium	<0.00008	<0.00008	<0.0008	<0.0008	-	-	-
Sulphate (soluble)	26.9	<2	269	<20	-	-	-
Acenaphthene (diss.filt)	0.00236	<0.000005	0.0236	<0.00005	-	-	-
Acenaphthylene (diss.filt)	0.0000726	<0.000005	0.000726	<0.00005	-	-	-
Anthracene (diss.filt)	0.00118	<0.000005	0.0118	<0.00005	-	-	-
Chrysene (diss.filt)	0.0000766	<0.000005	0.000766	<0.00005	-	-	-
Fluoranthene (diss.filt)	0.00163	<0.000005	0.0163	<0.00005	-	-	-
Fluorene (diss.filt)	0.00148	<0.000005	0.0148	<0.00005	-	-	-
Naphthalene (diss.filt)	0.000089	<0.00001	0.00089	<0.0001	-	-	-
Phenanthrene (diss.filt)	0.00527	<0.000005	0.0527	<0.00005	-	-	-
Pyrene (diss.filt)	0.0011	<0.000005	0.011	<0.00005	-	-	-
Cresols by HPLC (W)	<0.006	<0.006	<0.06	<0.06	-	-	-
Phenol by HPLC (W)	<0.002	<0.002	<0.02	<0.02	-	-	-
Total Monohydric Phenols (W)	<0.016	<0.016	<0.16	<0.16	-	-	-
Xylenols by HPLC (W)	<0.008	<0.008	<0.08	<0.08	-	-	-
Sulphide	<0.01	<0.01	<0.1	<0.1	-	-	-

Leach Test Information

Date Prepared	22-Oct-2020
pH (pH Units)	8.33
Conductivity (µS/cm)	183.00
Temperature (°C)	19.00
Volume Leachant (Litres)	0.883

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12:41:49 12/06/2021



CERTIFICATE OF ANALYSIS

Validated

SDG: 201020-9
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1668

Report Number: 601712
Superseded Report: 599546

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference		Site Location	Ten Acres Lane
Mass Sample taken (kg)	0.107	Natural Moisture Content (%)	19.2
Mass of dry sample (kg)	0.090	Dry Matter Content (%)	83.9
Particle Size <4mm	>95%		

Case

SDG	201020-9
Lab Sample Number(s)	23067127
Sampled Date	12-Oct-2020
Customer Sample Ref.	CP107
Depth (m)	3.00 - 3.00

Eluate Analysis	C ₂ Conc ⁿ in 10:1 eluate (mg/l)		A ₂ 10:1 conc ⁿ leached (mg/kg)				
	Result	Limit of Detection	Result	Limit of Detection			
Calcium (Dis.Filt) mg/l	41.4	<0.2	414	<2	-	-	-
Chromium	0.0179	<0.001	0.179	<0.01	-	-	-
Copper	0.00794	<0.0003	0.0794	<0.003	-	-	-
Lead	0.0332	<0.0002	0.332	<0.002	-	-	-
Nickel	0.00124	<0.0004	0.0124	<0.004	-	-	-
Selenium	<0.001	<0.001	<0.01	<0.01	-	-	-
Benzo(a)anthracene (diss.filt)	0.0000458	<0.000005	0.000458	<0.00005	-	-	-
Benzo(a)pyrene (diss.filt)	0.0000288	<0.000002	0.000288	<0.00002	-	-	-
Benzo(b)fluoranthene (diss.filt)	0.0000455	<0.000005	0.000455	<0.00005	-	-	-
Benzo(g,h,i)perylene (diss.filt)	0.0000184	<0.000005	0.000184	<0.00005	-	-	-
Benzo(k)fluoranthene (diss.filt)	0.0000228	<0.000005	0.000228	<0.00005	-	-	-
Dibenzo(a,h)anthracene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Indeno(1,2,3-cd)pyrene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
PAH 16 EPA Total by GCMS (diss.filt)	0.0134	<0.000082	0.134	<0.00082	-	-	-
TPH CWG (W)							
Surrogate Recovery	-	<0	-	<0	-	-	-
GRO TOT (C5-C12)	<0.05	<0.05	<0.5	<0.5	-	-	-
Aliphatics C5-C6	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C6-C8	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C8-C10	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C10-C12	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics C6-C7	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >C7-C8	<0.01	<0.01	<0.1	<0.1	-	-	-
MTBE GC-FID	<0.003	<0.003	<0.03	<0.03	-	-	-
Aromatics >EC8 -EC10	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC10-EC12	<0.01	<0.01	<0.1	<0.1	-	-	-
Benzene by GC	<0.007	<0.007	<0.07	<0.07	-	-	-
Toluene by GC	<0.004	<0.004	<0.04	<0.04	-	-	-
Ethylbenzene by GC	<0.005	<0.005	<0.05	<0.05	-	-	-
m & p Xylene by GC	<0.008	<0.008	<0.08	<0.08	-	-	-
o Xylene by GC	<0.003	<0.003	<0.03	<0.03	-	-	-
Sum m&p and o Xylene by GC	<0.011	<0.011	<0.11	<0.11	-	-	-
Sum of BTEX by GC	<0.028	<0.028	<0.28	<0.28	-	-	-

Leach Test Information

Date Prepared	22-Oct-2020
pH (pH Units)	8.33
Conductivity (µS/cm)	183.00
Temperature (°C)	19.00
Volume Leachant (Litres)	0.883



CERTIFICATE OF ANALYSIS

Validated

SDG:	201020-9	Client Reference:	LD10162	Report Number:	601712
Location:	Ten Acres Lane	Order Number:	LD1668	Superseded Report:	599546

Notification of NDPs (No determination possible)

Date Received : 20/10/2020 07:13:27

Sample No	Customer Sample Ref.	Depth (m)	Test	Comment
23067131	CP107	4.50 - 4.50	Asbestos Quantification - Full	Insufficient Sample



CERTIFICATE OF ANALYSIS

Validated

SDG:	201020-9	Client Reference:	LD10162	Report Number:	601712
Location:	Ten Acres Lane	Order Number:	LD1668	Superseded Report:	599546

Table of Results - Appendix

Method No	Reference	Description
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material
PM115		Leaching Procedure for CEN One Stage Leach Test 2:1 & 10:1 1 Step
TM043	Method 2320B, AWWA/APHA, 20th Ed., 1999 / BS 2690: Part109 1984	Determination of alkalinity in aqueous samples
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material
TM062 (S)	National Grid Property Holdings Methods for the Collection & Analysis of Samples from National Grid Sites version 1 Sec 3.9	Determination of Phenols in Soils by HPLC
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) by Headspace GC-FID (C4-C12)
TM090	Method 5310, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 415.1 & 9060	Determination of Total Organic Carbon/Total Inorganic Carbon in Water and Waste Water
TM101	Method 4500B & C, AWWA/APHA, 20th Ed., 1999	Determination of Sulphide in soil and water samples using the Kone Analyser
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS
TM132	In - house Method	ELTRA CS800 Operators Guide
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the Skalar SANS+ System Segmented Flow Analyser
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone
TM168	EPA Method 8082, Polychlorinated Biphenyls by Gas Chromatography	Determination of WHO12 and EC7 Polychlorinated Biphenyl Congeners by GC-MS in Soils
TM174	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID
TM178	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS in Waters
TM180	Sulphide in waters and waste waters 1991 ISBN 01 175 7186 SCA rec. 2007 (unpublished)	The Determination Of Easily Liberated Sulphide In Soil Samples by Ion Selective Electrode Technique
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers
TM218	Shaker extraction - EPA method 3546.	The determination of PAH in soil samples by GC-MS
TM221	Inductively Coupled Plasma - Atomic Emission Spectroscopy. An Atlas of Spectral Information: Winge, Fassel, Peterson and Floyd	Determination of Acid Extractable Sulphate in Soils by ICP OES
TM222	In-House Method	Determination of Hot Water Soluble Boron in Soils (10:1 Water:Soil) by ICP OES.
TM227	Standard methods for the examination of waters and wastewaters 20th Edition, AWWA/APHA Method 4500.	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate
TM243		Mixed Anions In Soils By Kone
TM245	By GC-FID	Determination of GRO by Headspace in waters
TM256	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4.	Determination of pH in Water and Leachate using the GLpH pH Meter
TM259	by HPLC	Determination of Phenols in Waters and Leachates by HPLC
TM331		Low Level Hexavalent Chromium
TM414	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GCxGC-FID

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).



CERTIFICATE OF ANALYSIS

Validated

SDG: 201020-9
Location: Ten Acres Lane

Client Reference: LD10162
Order Number: LD1668

Report Number: 601712
Superseded Report: 599546

Test Completion Dates

Lab Sample No(s)
Customer Sample Ref.

AGS Ref.
Depth
Type

	23067095	23067127	23067131	23067118	23067113	23067088	23067103
	CP104	CP107	CP107	TP119	TP120	TP121	TP150
	2.70 - 2.70	3.00 - 3.00	4.50 - 4.50	1.70 - 1.70	3.10 - 3.10	2.20 - 2.20	2.20 - 2.20
	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Alkalinity Filtered as CaCO3		26-Oct-2020			26-Oct-2020		
Anions by Kone (soil)	27-Oct-2020		27-Oct-2020	27-Oct-2020		27-Oct-2020	27-Oct-2020
Anions by Kone (w)		26-Oct-2020			26-Oct-2020		
Asbestos ID in Solid Samples	27-Oct-2020		27-Oct-2020	27-Oct-2020		27-Oct-2020	27-Oct-2020
Boron Water Soluble	26-Oct-2020		26-Oct-2020	26-Oct-2020		26-Oct-2020	26-Oct-2020
CEN 10:1 Leachate (1 Stage)		24-Oct-2020			24-Oct-2020		
CEN Readings		25-Oct-2020			25-Oct-2020		
Cyanide Comp/Free/Total/Thiocyanate	27-Oct-2020	27-Oct-2020	27-Oct-2020	27-Oct-2020		27-Oct-2020	27-Oct-2020
Dissolved Metals by ICP-MS		27-Oct-2020			27-Oct-2020		
Dissolved Organic/Inorganic Carbon		27-Oct-2020			26-Oct-2020		
Easily Liberated Sulphide	27-Oct-2020		27-Oct-2020	27-Oct-2020		27-Oct-2020	27-Oct-2020
EPH CWG (Aliphatic) Filtered GC (W)		27-Oct-2020			27-Oct-2020		
EPH CWG (Aromatic) Filtered GC (W)		27-Oct-2020			27-Oct-2020		
EPH CWG GC (S)	27-Oct-2020		27-Oct-2020	27-Oct-2020		27-Oct-2020	29-Oct-2020
GRO by GC-FID (S)	25-Oct-2020		25-Oct-2020	25-Oct-2020		25-Oct-2020	25-Oct-2020
GRO by GC-FID (W)		26-Oct-2020			26-Oct-2020		
Hexavalent Chromium (s)	26-Oct-2020		26-Oct-2020	26-Oct-2020		26-Oct-2020	26-Oct-2020
Low Level Hexavalent Chromium (w)		26-Oct-2020			26-Oct-2020		
Mercury Dissolved		27-Oct-2020			27-Oct-2020		
Metals in solid samples by OES	26-Oct-2020		27-Oct-2020	27-Oct-2020		26-Oct-2020	27-Oct-2020
Moisture at 105C		22-Oct-2020			22-Oct-2020		
PAH by GCMS	25-Oct-2020		26-Oct-2020	26-Oct-2020		25-Oct-2020	27-Oct-2020
PAH in waters by GC-MS (diss.filt)		26-May-2021			26-Oct-2020		
PCBs by GCMS			27-Oct-2020	27-Oct-2020			27-Oct-2020
pH	27-Oct-2020		27-Oct-2020	27-Oct-2020		27-Oct-2020	27-Oct-2020
pH Value		27-Oct-2020			27-Oct-2020		
Phenols by HPLC (S)	27-Oct-2020		27-Oct-2020	27-Oct-2020		27-Oct-2020	27-Oct-2020
Phenols by HPLC (W)		27-Oct-2020			26-Oct-2020		
Sample description	23-Oct-2020	22-Oct-2020	23-Oct-2020	23-Oct-2020	22-Oct-2020	23-Oct-2020	23-Oct-2020
Semi Volatile Organic Compounds	26-Oct-2020		27-Oct-2020	26-Oct-2020			
Sulphide		27-Oct-2020			27-Oct-2020		
Total Organic Carbon	27-Oct-2020		27-Oct-2020	27-Oct-2020		27-Oct-2020	27-Oct-2020
Total Sulphate	27-Oct-2020		27-Oct-2020	27-Oct-2020		27-Oct-2020	27-Oct-2020
TPH CWG Filtered (W)		27-Oct-2020			27-Oct-2020		
TPH CWG GC (S)	27-Oct-2020		27-Oct-2020	27-Oct-2020		27-Oct-2020	29-Oct-2020
VOC MS (S)	24-Oct-2020		25-Oct-2020	24-Oct-2020		24-Oct-2020	25-Oct-2020