

Appendix B: Exploratory Hole Logs

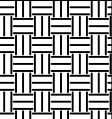
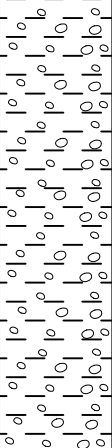




- 1) Excavation stable.
- 2) Slight groundwater ingress encountered at 1.60m.
- 3) No evidence of contamination identified.
- 4) Trial pit terminated at 2.40m.
- 5) Excavation backfilled with arisings on completion.

Plant Used:
JCB - 3CX (Maddock Geotechnical Support Ltd).

 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk	Site Name: Lutterworth Road, Burbage.				Client: Davidsons Homes			Trial Pit ID: TP02 Sheet 1 of 1
	Job Number:	Date Logged:	Logged By:	Checked By:	Coordinates:	Ground Level:	Scale:	
	PJSG21-58	16/12/2021	NB	VH	444692, 292209	-	1:25	

Samples & In-Situ Testing			Strata Details					
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description	Water	Backfill
0.90 1.00	HSV D1	65, 65, 65		(0.40) 0.40		Grass over brown clayey slightly gravelly TOPSOIL. Gravel is sub-rounded to sub-angular, fine to coarse of quartz. Frequent rootlets.		
				(0.70) 1.10		Firm brown sandy slightly gravelly CLAY. Gravel is rounded to sub-angular, fine to coarse of chalk and quartz. Pockets of soft very sandy clay.		
				(1.50) 2.60		Stiff grey and brown very gravelly CLAY. Gravel is sub-rounded to angular, fine to coarse of chalk, quartz, sandstone and mudstone. Frequent lenses of reddish brown sand. Slight groundwater ingress noted at 1.20m.		
						Trial Pit Terminated @ 2.60m		

General Remarks:

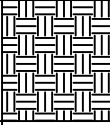
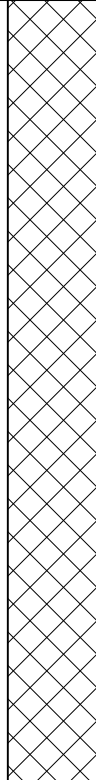
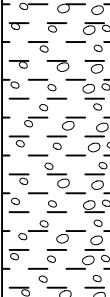
- 1) Excavation stable.
- 2) Slight groundwater ingress encountered at 1.20m.
- 3) No evidence of contamination identified.
- 4) Trial pit terminated at 2.60m.
- 5) Excavation backfilled with arisings on completion.

Dimensions:	Plant Used: JCB - 3CX (Maddock Geotechnical Support Ltd).
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Dimensions:	Plant Used: JCB - 3CX (Maddock Geotechnical Support Ltd).
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General Remarks: 1) Excavation stable. 2) No groundwater encountered. 3) No evidence of contamination identified. 4) Trial pit terminated at 2.80m. 5) Excavation backfilled with arisings on completion.	
Dimensions:	Plant Used: JCB - 3CX (Maddock Geotechnical Support Ltd).

General Remarks: 1) Excavation generally stable, minor collapse within sands between 1.40m - 2.10m. 2) Wet within sand strata between 1.40m - 2.10m. 3) No evidence of contamination identified. 4) Trial pit terminated at 2.70m. 5) Excavation backfilled with arisings on completion.	
Dimensions:	Plant Used: JCB - 3CX (Maddock Geotechnical Support Ltd).

Samples & In-Situ Testing			Strata Details					
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description	Water	Backfill
0.20	ES1	50, 50, 50		(0.40)		Grass over brown clayey slightly gravelly TOPSOIL. Gravel is sub-rounded to sub-angular, fine to coarse of quartz. Frequent rootlets.		
0.50	ES2			(1.00)		Firm brown gravelly CLAY. Gravel is rounded to sub-angular, fine to coarse of chalk and quartz. Pockets of very sandy clay.		
1.00	HSV							
1.80	HSV		110, 110, 105					
						Trial Pit Terminated @ 2.60m		

General Remarks:

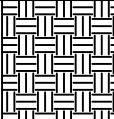
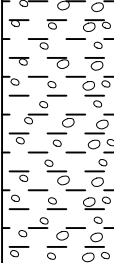
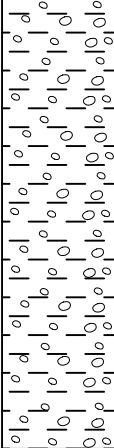
- 1) Excavation stable.
- 2) No groundwater encountered.
- 3) No evidence of contamination identified.
- 4) Trial pit terminated at 2.60m.
- 5) Excavation backfilled with arisings on completion.

Dimensions:

Plant Used:
JCB - 3CX (Maddock Geotechnical Support Ltd).

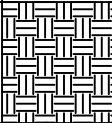
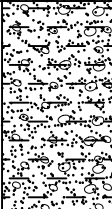
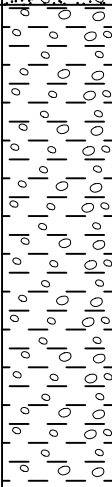
GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk	Site Name: Lutterworth Road, Burbage.				Client: Davidsons Homes			Trial Pit ID: TP07
	Job Number:	Date Logged:	Logged By:	Checked By:	Coordinates:	Ground Level:	Scale:	
	PJSG21-58	15/12/2021	NB	VH	444699, 292041	-	1:25	

Sheet 1 of 1

Samples & In-Situ Testing			Strata Details					
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description	Water	Backfill
0.90	HSV	60, 55, 60		(0.40)		Grass over brown clayey slightly gravelly TOPSOIL. Gravel is sub-rounded to sub-angular, fine to coarse of quartz. Frequent rootlets.		
			0.40					
				(0.90)		Firm brown slightly gravelly CLAY. Gravel is sub-angular to angular, fine to coarse of chalk and quartz. Occasionally mottled grey. Pockets of very sandy clay.		
			1.30					
1.60	HSV	90, 90, 95		(1.50)		Stiff grey occasionally mottled orangeish brown gravelly CLAY. Gravel is sub-angular to angular, fine to coarse of chalk, quartz, sandstone and mudstone.		
			2.80					
						Trial Pit Terminated @ 2.80m		

General Remarks: 1) Excavation stable. 2) No groundwater encountered. 3) No evidence of contamination identified. 4) Trial pit terminated at 2.80m. 5) Excavation backfilled with arisings on completion.	
Dimensions:	Plant Used: JCB - 3CX (Maddock Geotechnical Support Ltd).

 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk	Site Name: Lutterworth Road, Burbage.				Client: Davidsons Homes			Trial Pit ID: TP08 Sheet 1 of 1
	Job Number:	Date Logged:	Logged By:	Checked By:	Coordinates:	Ground Level:	Scale:	
	PJSG21-58	15/12/2021	NB	VH	444733, 292061	-	1:25	

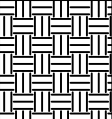
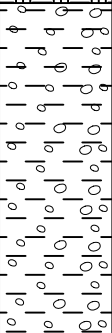
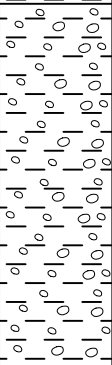
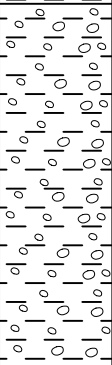
Samples & In-Situ Testing			Strata Details					
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description	Water	Backfill
0.90	HSV	70, 70, 65		(0.40)		Grass over brown clayey slightly gravelly TOPSOIL. Gravel is sub-rounded to sub-angular, fine to coarse of quartz. Frequent rootlets.		
				0.40				
1.60	HSV	90, 85, 85		(0.70)		Firm brown sandy slightly gravelly CLAY. Gravel is rounded to sub-angular, fine to coarse of chalk and quartz.		
				1.10				
				(1.60)		Stiff grey occasionally mottled orange-brown gravelly CLAY. Gravel is sub-rounded to angular, fine to coarse of chalk, quartz, sandstone and mudstone. Occasional lenses of reddish brown sand.		
				2.70				
						Trial Pit Terminated @ 2.70m		

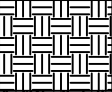
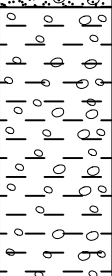
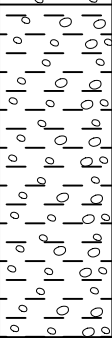
General Remarks:

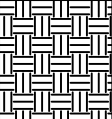
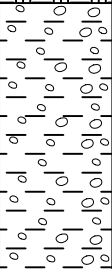
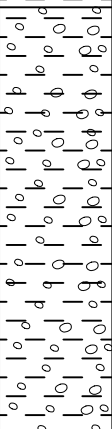
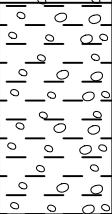
- 1) Excavation stable.
- 2) No groundwater encountered.
- 3) No evidence of contamination identified.
- 4) Trial pit terminated at 2.70m.
- 5) Excavation backfilled with arisings on completion.

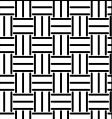
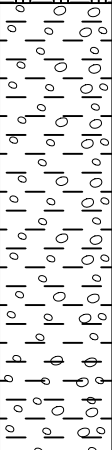
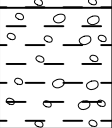
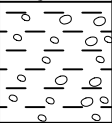
Dimensions:	Plant Used: JCB - 3CX (Maddock Geotechnical Support Ltd).
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Dimensions:	Plant Used: JCB - 3CX (Maddock Geotechnical Support Ltd).
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 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk			Site Name: Lutterworth Road, Burbage.				Client: Davidsons Homes			Trial Pit ID: TP10			
Job Number: PJSG21-58		Date Logged: 15/12/2021		Logged By: NB		Checked By: VH		Coordinates: 444742, 292009		Ground Level: -		Scale: 1:25	
Sheet 1 of 1													
Samples & In-Situ Testing			Strata Details										
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description					Water	Backfill	
0.90	HSV	65, 65, 70		(0.40)		Grass over brown clayey slightly gravelly TOPSOIL. Gravel is sub-rounded to sub-angular, fine to coarse of quartz. Frequent rootlets.							
				(1.10)									
				1.50									
1.70	HSV	90, 80, 80				Stiff grey gravelly CLAY. Gravel is sub-rounded to angular, fine to coarse of chalk, quartz, sandstone and mudstone.							
2.00	D1			(1.20)									
				2.70		Trial Pit Terminated @ 2.70m							
General Remarks: 1) Excavation stable. 2) No groundwater encountered. 3) No evidence of contamination identified. 4) Trial pit terminated at 2.70m. 5) Excavation backfilled with arisings on completion.													
Dimensions:						Plant Used: JCB - 3CX (Maddock Geotechnical Support Ltd).							

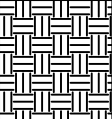
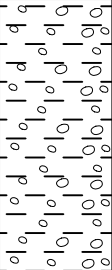
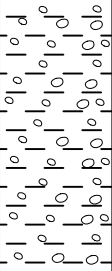
 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk			Site Name: Lutterworth Road, Burbage.				Client: Davidsons Homes			Trial Pit ID: TP11			
Job Number:		Date Logged:		Logged By:		Checked By:		Coordinates:		Ground Level:		Scale:	
PJSG21-58		15/12/2021		NB		VH		444752, 292028		-		1:25	
Sheet 1 of 1													
Samples & In-Situ Testing			Strata Details										
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description					Water	Backfill	
0.90	HSV	60, 60, 55		(0.30)		Grass over brown clayey slightly gravelly TOPSOIL. Gravel is sub-rounded to sub-angular, fine to coarse of quartz. Frequent rootlets.							
				0.30									
				(0.90)		Firm brown slightly sandy gravelly CLAY. Gravel is rounded to sub-angular, fine to coarse of chalk and quartz. Pockets of soft very sandy clay noted to 1m.							
1.40	HSV	90, 90, 105		1.20		1.0							
2.40	D1			(1.00)		Stiff grey occasionally mottled orange-brown gravelly CLAY. Gravel is sub-rounded to angular, fine to coarse of chalk, quartz, sandstone and mudstone.							
				2.20		2.0							
				(1.10)		Stiff grey and brown friable gravelly CLAY. Gravel is sub-rounded to angular, fine to coarse of chalk, quartz, sandstone and mudstone.							
				3.30		3.0							
						Trial Pit Terminated @ 3.30m							
						4.0							
General Remarks: 1) Excavation stable. 2) No groundwater encountered. 3) No evidence of contamination identified. 4) Trial pit terminated at 3.30m. 5) Excavation backfilled with arisings on completion.													
Dimensions:						Plant Used: JCB - 3CX (Maddock Geotechnical Support Ltd).							

 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk			Site Name: Lutterworth Road, Burbage.				Client: Davidsons Homes			Trial Pit ID: TP12			
Job Number: PJSG21-58		Date Logged: 16/12/2021		Logged By: NB		Checked By: VH		Coordinates: 444781, 292057		Ground Level: -		Scale: 1:25	
Sheet 1 of 1													
Samples & In-Situ Testing			Strata Details										
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description					Water	Backfill	
1.00	HSV	75, 60, 60		(0.40)		Grass over brown sandy gravelly TOPSOIL. Gravel is sub-rounded to sub-angular, fine to coarse of quartz. Frequent rootlets.							
				(0.90)		Firm brown gravelly CLAY. Gravel is rounded to sub-angular, fine to coarse of chalk and quartz. Occasionally very sandy.							
				(1.40)		Stiff grey occasionally mottled orange-brown very gravelly CLAY. Gravel is sub-rounded to angular, fine to coarse of chalk, quartz, sandstone and mudstone.							
				(0.70)		Stiff brown mottled grey friable slightly gravelly CLAY. Gravel is sub-rounded to angular, fine to coarse of chalk, quartz, sandstone and mudstone.							
3.20	D1					Trial Pit Terminated @ 3.40m							
General Remarks: 1) Excavation stable. 2) No groundwater encountered. 3) No evidence of contamination identified. 4) Trial pit terminated at 3.40m. 5) Excavation backfilled with arisings on completion.													
Dimensions:						Plant Used: JCB - 3CX (Maddock Geotechnical Support Ltd).							

 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk			Site Name: Lutterworth Road, Burbage.				Client: Davidsons Homes			Trial Pit ID: TP13			
Job Number:		Date Logged:		Logged By:		Checked By:		Coordinates:		Ground Level:		Scale:	
PJSG21-58		16/12/2021		NB		VH		444812, 292056		-		1:25	
Sheet 1 of 1													
Samples & In-Situ Testing			Strata Details										
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description					Water	Backfill	
1.00	HSV	65, 65, 70		(0.40)		Grass over brown clayey slightly gravelly TOPSOIL. Gravel is sub-rounded to sub-angular, fine to coarse of quartz. Frequent rootlets.							
				(1.50)		Firm brown occasionally mottled orange gravelly CLAY. Gravel is rounded to sub-angular, fine to coarse of chalk and quartz. Pockets of very sandy and very gravelly clay.							
				(0.40)		Stiff brown and grey gravelly CLAY. Gravel is rounded to sub-angular, fine to coarse of chalk and quartz. Pockets of very gravelly clay.							
				(0.40)		Stiff grey occasionally mottled orange-brown very gravelly friable CLAY. Gravel is sub-rounded to angular, fine to coarse of chalk, quartz, sandstone and mudstone.							
						Trial Pit Terminated @ 2.70m							
General Remarks: 1) Excavation stable. 2) No groundwater encountered. 3) No evidence of contamination identified. 4) Trial pit terminated at 2.70m. 5) Excavation backfilled with arisings on completion.													
Dimensions:						Plant Used: JCB - 3CX (Maddock Geotechnical Support Ltd).							

 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk	Site Name: Lutterworth Road, Burbage.		Client: Davidsons Homes			Trial Pit ID: TP14	
	Job Number:	Date Logged:	Logged By:	Checked By:	Coordinates:	Ground Level:	Scale:
	PJSG21-58	15/12/2021	NB	VH	444651, 291943	-	1:25

Sheet 1 of 1

Samples & In-Situ Testing			Strata Details					
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description	Water	Backfill
1.00	HSV	55, 60, 57		(0.40)		Grass over brown clayey slightly gravelly TOPSOIL. Gravel is sub-rounded to sub-angular, fine to coarse of quartz. Frequent rootlets.		
				0.40				
1.60	HSV	90, 100, 105		(0.90)		Firm brown slightly gravelly CLAY. Gravel is sub-angular to angular, fine to coarse of chalk and quartz.		
				1.30				
2.40	HSV	110, 100, 100		(1.40)		Stiff grey mottled orange-brown gravelly CLAY. Gravel is sub-angular to angular, fine to coarse of chalk, quartz, sandstone and mudstone.		
				2.70				
						Trial Pit Terminated @ 2.70m		

General Remarks:

1) Excavation stable.

2) No groundwater encountered.

3) No evidence of contamination identified.

4) Trial pit terminated at 2.70m.

5) Excavation backfilled with arisings on completion.

Dimensions:	Plant Used: JCB - 3CX (Maddock Geotechnical Support Ltd).
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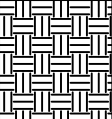
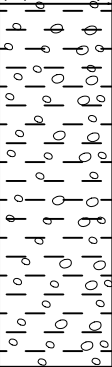
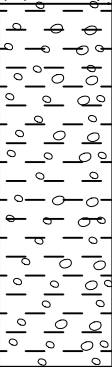
4.0

- 1) Excavation unstable below 1.70m.
- 2) Land drain encountered at 1.70m.
- 3) No evidence of contamination identified.
- 4) Trial pit terminated at 2.30m due to collapse within sand strata.
- 5) Excavation backfilled with arisings on completion.

Plant Used:
JCB - 3CX (Maddock Geotechnical Support Ltd).

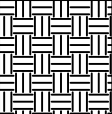
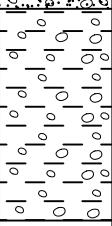
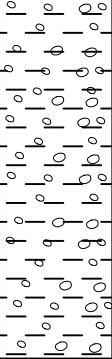
General Remarks:	
1)	Excavation stable.
2)	No groundwater encountered.
3)	No evidence of contamination identified.
4)	Trial pit terminated at 2.60m.
5)	Excavation backfilled with arisings on completion.

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 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk			Site Name: Lutterworth Road, Burbage.				Client: Davidsons Homes			Trial Pit ID: TP17			
Job Number: PJSG21-58		Date Logged: 16/12/2021		Logged By: NB		Checked By: VH		Coordinates: 444841, 292006		Ground Level: -		Scale: 1:25	
Sheet 1 of 1													
Samples & In-Situ Testing			Strata Details										
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description					Water	Backfill	
2.00	D1			(0.40)		Grass over brown clayey slightly gravelly TOPSOIL. Gravel is sub-rounded to sub-angular, fine to coarse of quartz. Significant root system present (roots 10-50mm in diameter).							
				(1.10)		Firm brown sandy very gravelly friable CLAY. Gravel is rounded to sub-angular, fine to coarse of chalk and quartz. Root system present to 1.20m.							
				(1.20)		Stiff grey with white staining very gravelly friable CLAY. Gravel is sub-rounded to angular, fine to coarse of chalk, quartz, sandstone and mudstone. Frequent lenses of reddish brown sand.							
				(1.20)		Stiff grey with white staining very gravelly friable CLAY. Gravel is sub-rounded to angular, fine to coarse of chalk, quartz, sandstone and mudstone. Frequent lenses of reddish brown sand.							
						Trial Pit Terminated @ 2.70m							
General Remarks: 1) Excavation stable. 2) No groundwater encountered. 3) No evidence of contamination identified. 4) Trial pit terminated at 2.70m. 5) Excavation backfilled with arisings on completion.													
Dimensions:						Plant Used: JCB - 3CX (Maddock Geotechnical Support Ltd).							

 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk	Site Name: Lutterworth Road, Burbage.		Client: Davidsons Homes			Trial Pit ID: TP18	
	Job Number:	Date Logged:	Logged By:	Checked By:	Coordinates:	Ground Level:	Scale:
	PJSG21-58	15/12/2021	NB	VH	444794, 291905	-	1:25

Sheet 1 of 1

Samples & In-Situ Testing			Strata Details					
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description	Water	Backfill
0.20	ES1			(0.40)		Grass over brown sandy gravelly TOPSOIL. Gravel is sub-rounded to sub-angular, fine to coarse of quartz. Frequent rootlets.		
				0.40		Firm brown very sandy gravelly CLAY. Gravel is rounded to sub-angular, fine to coarse of chalk and quartz.		
1.00	HSV	60, 60, 65		(0.70)		Firm brown gravelly CLAY. Gravel is rounded to sub-angular, fine to coarse of chalk and quartz. Occasional pockets of soft very sandy clay to 1m.		
1.50	HSV	110, 110, 100		(1.20)		Stiff grey occasionally mottled orange-brown gravelly CLAY. Gravel is sub-rounded to angular, fine to coarse of chalk, quartz, sandstone and mudstone. Occasional lenses of reddish brown sand.		
				2.60		Trial Pit Terminated @ 2.60m		

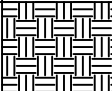
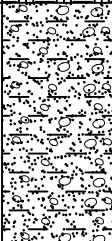
General Remarks:

- Excavation stable.
- No groundwater encountered.
- No evidence of contamination identified.
- Trial pit terminated at 2.60m.
- Excavation backfilled with arisings on completion.

Dimensions:	Plant Used: JCB - 3CX (Maddock Geotechnical Support Ltd).
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 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk	Site Name: Lutterworth Road, Burbage.		Client: Davidsons Homes			Trial Pit ID: TP19	
	Job Number:	Date Logged:	Logged By:	Checked By:	Coordinates:	Ground Level:	Scale:
	PJSG21-58	15/12/2021	NB	VH	444839, 291924	-	1:25

Sheet 1 of 1

Samples & In-Situ Testing			Strata Details						
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description		Water	Backfill
1.40	B1			(0.30)		Grass over brown sandy gravelly TOPSOIL. Gravel is sub-rounded to sub-angular, fine to coarse of quartz. Frequent rootlets.			
				0.30					
				(0.80)		Firm brown sandy gravelly CLAY. Gravel is rounded to sub-angular, fine to coarse of chalk and quartz. Land drain encountered at 0.80m. Becoming wet.			
				1.10					
				(1.30)		Firm yellowish brown wet very sandy very gravelly CLAY of sub-rounded to angular, medium to coarse of chalk and quartz. Frequent pockets of very clayey sandy GRAVEL noted. Instability within strata.			
				2.40		Trial Pit Terminated @ 2.40m			

General Remarks:

1) Excavation unstable below 1.10m.

2) Land drain encountered at 0.80m.

3) No evidence of contamination identified.

4) Trial pit terminated at 2.40m due to major collapse.

5) Excavation backfilled with arisings on completion.

Dimensions:	Plant Used: JCB - 3CX (Maddock Geotechnical Support Ltd).
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General Remarks: 1) Excavation unstable between 0.40m - 1.40m. Major collapse at 1.20m when left exposed for prolonged period. 2) Groundwater encountered between 2.20m - 2.40m. 3) No evidence of contamination identified. 4) Trial pit terminated at 2.60m. 5) Excavation backfilled with arisings on completion.	
Dimensions:	Plant Used: JCB - 3CX (Maddock Geotechnical Support Ltd).

General Remarks: 1) Excavation stable. 2) No groundwater encountered. 3) No evidence of contamination identified. 4) Trial pit terminated at 2.60m. 5) Excavation backfilled with arisings on completion.	
Dimensions:	Plant Used: JCB - 3CX (Maddock Geotechnical Support Ltd).

General Remarks: 1) Borehole collapsed at 3.40m upon hole completion. 2) Groundwater encountered at base. 3) No evidence of contamination identified. 4) Borehole terminated at 4.00m due to rig refusal. 5) Borehole installed with gas and groundwater monitoring ancillaries.		Plant Used: Premier Compact 110 (Regional Drilling Ltd)
Dimensions:		

Dimensions:	Plant Used: Premier Compact 110 (Regional Drilling Ltd)
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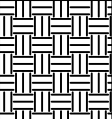
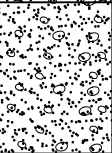
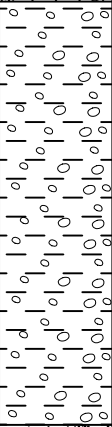
General Remarks:

- 1) Borehole stable.
- 2) No groundwater encountered.
- 3) No evidence of contamination identified.
- 4) Borehole terminated at 3.00m due to rig refusal.
- 5) Borehole installed with gas and groundwater monitoring ancillaries.

Dimensions:	Plant Used: Premier Compact 110 (Regional Drilling Ltd)
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 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk	Site Name: Lutterworth Road, Burbage.		Client: Davidsons Homes			Trial Pit ID: WS04	
	Job Number:	Date Logged:	Logged By:	Checked By:	Coordinates:	Ground Level:	Scale:
	PJSG21-58	13/01/2022	NB	VH	444635, 292127	-	1:25

Sheet 1 of 1

Samples & In-Situ Testing			Strata Details					
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description	Water	Backfill
1.00	SPT	N = 7 (1,2/2,2,1,2)		(0.40)		Grass over brown sandy TOPSOIL. Frequent rootlets.		
				0.40				
				(0.50)		Firm brown sandy gravelly CLAY. Gravel is sub-angular to rounded, fine to coarse of quartz.		
2.00	SPT	N = 16 (2,3/4,4,3,5)		0.90		Pocket of angular, coarse flint gravel at 0.80m.		
				(0.60)		Loose red brown gravelly SAND. Gravel is angular, fine of chalk and siltstone.		
				1.50				
3.00	SPT	N = 25 (4,3/6,6,6,7)		(1.30)		Stiff high strength brown mottled grey gravelly CLAY. Gravel is sub-angular to rounded, fine to coarse of quartz, chalk and sandstone.		
				2.80				
				(1.20)		Medium dense red brown SAND.		
4.00	SPT	N = 27 (4,4/5,7,7,8)		4.00				
						Borehole Terminated @ 4.00m		

General Remarks:

1) Borehole stable.

2) No groundwater encountered.

3) No evidence of contamination identified.

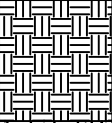
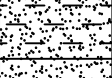
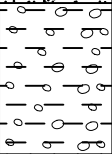
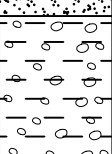
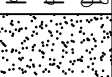
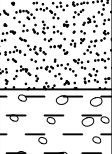
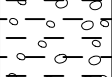
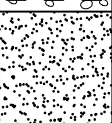
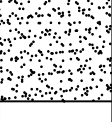
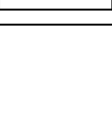
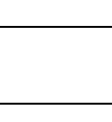
4) Borehole terminated at 4.00m due to reaching rig maximum drilling depth.

5) Borehole backfilled with arisings upon completion.

Dimensions:	Plant Used: Premier Compact 110 (Regional Drilling Ltd)
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 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk	Site Name: Lutterworth Road, Burbage.		Client: Davidsons Homes			Trial Pit ID: WS05	
	Job Number:	Date Logged:	Logged By:	Checked By:	Coordinates:	Ground Level:	Scale:
	PJSG21-58	13/01/2022	NB	VH	444612, 292082	-	1:25

Sheet 1 of 1

Samples & In-Situ Testing			Strata Details					
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description	Water	Backfill
1.00	SPT	N = 4 (2,1/1,1,1,1)		(0.40)		Grass over brown sandy TOPSOIL. Frequent rootlets.		
				0.40		Firm brown mottled grey slightly gravelly sandy CLAY. Gravel is sub-angular to rounded, fine to coarse of quartz.		
				(0.50)		Soft brown mottled grey very sandy CLAY.		
				0.90		Loose brown wet SAND (Poor recovery).		
2.00	SPT	N = 19 (2,3/3,4,6,6)		(0.20)		Stiff brown mottled grey gravelly CLAY. Gravel is sub-angular to sub-rounded, fine to coarse of quartz, chalk and sandstone.		
				1.10		Medium dense brown wet SAND.		
				(0.50)		Firm brown mottled grey gravelly CLAY. Gravel is sub-angular to sub-rounded, fine to coarse of quartz, chalk and sandstone.		
				1.60		Medium dense brown wet SAND.		
3.00	SPT	N = 13 (2,2/2,3,3,5)		(0.30)		Stiff grey gravelly CLAY. Gravel is sub-angular to sub-rounded, fine to coarse of quartz, chalk and sandstone.		
				2.10		Dense brown wet SAND (Poor recovery).		
				2.40		Borehole Terminated @ 5.00m		
				2.90		Borehole Terminated @ 5.00m		
4.00	SPT	N = 31 (4,5/7,7,8,9)		(0.50)		Borehole Terminated @ 5.00m		
				3.40		Borehole Terminated @ 5.00m		
				3.90		Borehole Terminated @ 5.00m		
				4.0		Borehole Terminated @ 5.00m		
5.00	SPT	N = 35 (5,6/8,8,9,10)		(1.10)		Borehole Terminated @ 5.00m		
				5.00		Borehole Terminated @ 5.00m		

General Remarks:

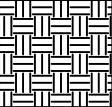
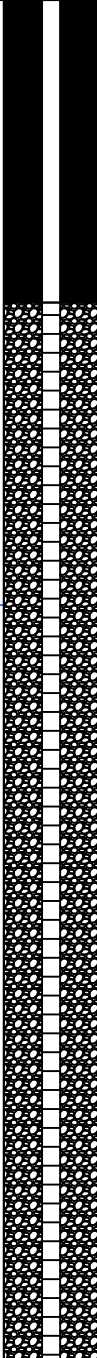
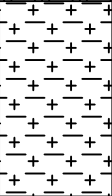
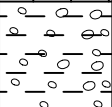
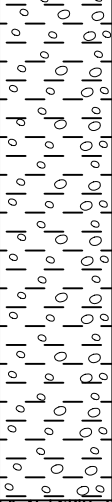
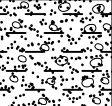
- 1) Borehole stable.
- 2) Groundwater encountered at 3.00m.
- 3) No evidence of contamination identified.
- 4) Borehole terminated at 5.00m due to rig refusal.
- 5) Borehole backfilled with arisings upon completion.

Dimensions:	Plant Used: Premier Compact 110 (Regional Drilling Ltd)
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Dimensions:	Plant Used: Premier Compact 110 (Regional Drilling Ltd)
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 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk	Site Name: Lutterworth Road, Burbage.		Client: Davidsons Homes			Trial Pit ID: WS07	
	Job Number:	Date Logged:	Logged By:	Checked By:	Coordinates:	Ground Level:	Scale:
	PJSG21-58	15/12/2021	VH	NB	444677, 292069	-	1:25

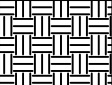
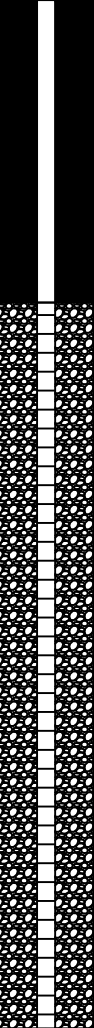
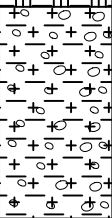
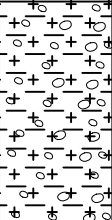
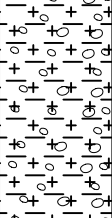
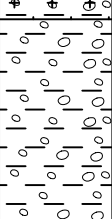
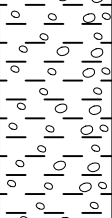
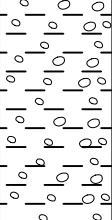
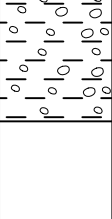
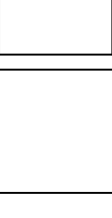
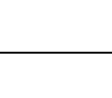
Sheet 1 of 1

Samples & In-Situ Testing			Strata Details					
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description	Water	Backfill
1.00	SPT	N = 11 (2,2/2,3,3,3)		(0.35)		Grass over brown clayey TOPSOIL. Gravel is sub-rounded to sub-angular, fine to coarse of quartz. Frequent rootlets.		
				0.35		Firm medium strength light brown slightly silty CLAY.		
2.00	SPT	N = 14 (2,3/3,4,4,3)		1.00		Firm medium strength brown mottled grey slightly gravelly CLAY. Gravel is sub-angular to angular, fine to medium of siltstone, mudstone and quartz.		
3.00	SPT	N = 19 (3,5/5,4,5,5)		(2.00)		Becoming stiff and high strength at 2.00m.		
				3.00		Stiff high strength brown mottled grey slightly sandy gravelly CLAY. Gravel is sub-angular to angular, fine to medium of mudstone.		
4.00	SPT	N = 11 (1,1/2,3,3,3)		(2.00)		Firm and medium strength between 4.00m - 5.00m.		
5.00	SPT	N = 19 (3,3/4,4,5,6)		5.00		Poor recovery between 4.50m - 5.00m.		
						Borehole Terminated @ 5.00m		

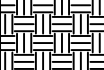
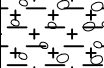
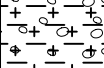
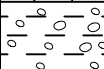
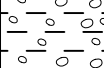
General Remarks:
1) Poor recovery between 4.50m - 5.00m.
2) Groundwater encountered at 2.00m.
3) No evidence of contamination identified.
4) Borehole terminated at 5.00m due to rig refusal.
5) Borehole installed with gas and groundwater monitoring ancillaries.

Dimensions:	Plant Used: Premier Compact 110 (Regional Drilling Ltd)
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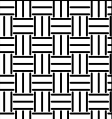
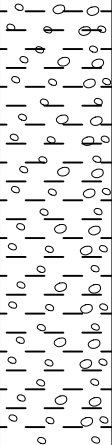
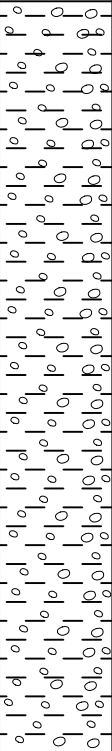
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	Job Number:	Date Logged:	Logged By:	Checked By:	Coordinates:	Ground Level:	Scale:	
	PJSG21-58	15/12/2021	VH	NB	444787, 292085	-	1:25	

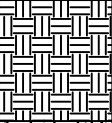
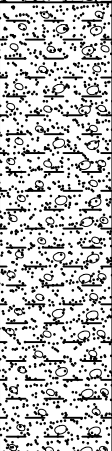
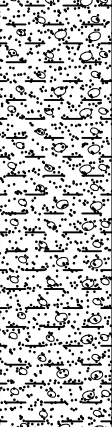
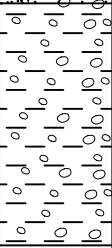
Samples & In-Situ Testing			Strata Details					
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description	Water	Backfill
1.00	SPT	N = 9 (1,1/2,2,2,3)		(0.30)		Grass over brown sandy TOPSOIL. Gravel is sub-rounded to sub-angular, fine to coarse of quartz. Frequent rootlets.		
				0.30		Firm medium strength brown slightly silty slightly gravelly CLAY. Gravel is sub-angular to rounded, fine to coarse of quartz.		
2.00	SPT	N = 13 (2,2/3,3,3,4)		1.00		Firm medium strength brown slightly silty gravelly CLAY. Gravel is sub-angular to angular, fine to coarse of siltstone, mudstone, quartz and lignites.		
				(1.50)		Becoming brown and grey at 2.00m.		
3.00	SPT	N = 16 (3,3/4,4,4,4)		2.50		Stiff high strength dark grey gravelly CLAY. Gravel is sub-angular to angular, fine to coarse of siltstone, mudstone, quartz and chalk.		
				(2.50)		Becoming very stiff and very high strength at 4.00m. Becoming dark grey and red at 4.10m.		
4.00	SPT	N = 30 (4,5/7,9,9)		4.00				
				(2.50)				
5.00	SPT	N = 31 (5,4/6,7,8,10)		5.00				
				(2.50)				
						Borehole Terminated @ 5.00m		

General Remarks: 1) Borehole stable. 2) No groundwater encountered. 3) No evidence of contamination identified. 4) Borehole terminated at 5.00m due to rig refusal. 5) Borehole installed with gas and groundwater monitoring ancillaries.		Plant Used: Premier Compact 110 (Regional Drilling Ltd)
Dimensions:		

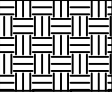
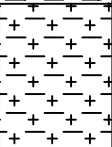
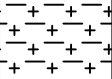
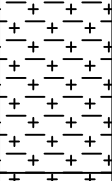
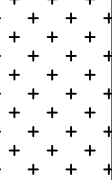
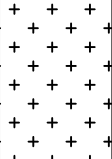
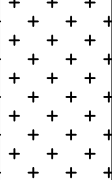
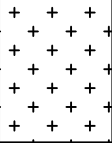
 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk			Site Name: Lutterworth Road, Burbage.				Client: Davidsons Homes			Trial Pit ID: WS09			
Job Number: PJSG21-58		Date Logged: 15/12/2021		Logged By: VH		Checked By: NB		Coordinates: 444729, 292038		Ground Level: -		Scale: 1:25	
Sheet 1 of 1													
Samples & In-Situ Testing			Strata Details										
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description					Water	Backfill	
1.00	SPT	N = 11 (1,1/2,3,3,3)		(0.25)		Grass over brown sandy clayey TOPSOIL. Frequent rootlets.							
				0.25		Soft brown slightly silty slightly gravelly CLAY. Gravel is rounded to sub-angular, fine to coarse of sandstone, mudstone and quartz.							
				(1.25)		Becoming firm and medium strength from 1.00m.							
				1.50									
2.00	SPT	N = 16 (2,2/3,4,4,5)				Stiff grey high strength mottled brown gravelly CLAY. Gravel is sub-rounded to sub-angular, fine to coarse of siltstone, sandstone, mudstone and chalk.							
3.00	SPT	N = 28 (4,4/6,6,7,9)											
4.00	SPT	N = 41 (6,8/9,9,11,12)											
5.00	SPT	N = 34 (6,7/9,9,9,7)		5.00									
						Borehole Terminated @ 5.00m							
General Remarks: 1) Borehole stable. 2) No groundwater encountered. 3) No evidence of contamination identified. 4) Borehole terminated at 5.00m due to rig refusal. 5) Borehole backfilled with arisings upon completion.													
Dimensions:						Plant Used: Premier Compact 110 (Regional Drilling Ltd)							

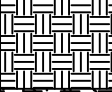
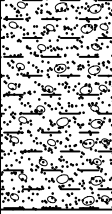
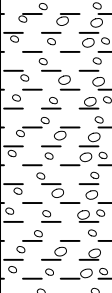
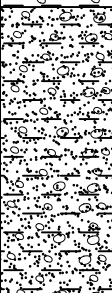
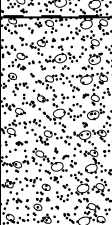
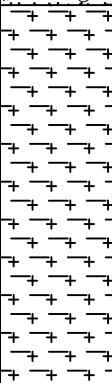
PJS GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk			Site Name: Lutterworth Road, Burbage.				Client: Davidsons Homes			Trial Pit ID: WS10			
Job Number:		Date Logged:		Logged By:		Checked By:		Coordinates:		Ground Level:		Scale:	
PJSG21-58		15/12/2021		VH		NB		444683, 291963		-		1:25	
Samples & In-Situ Testing			Strata Details										
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description				Water	Backfill		
1.00	SPT	N = 11 (1,2/2,3,3,3)		(0.30)		Grass over brown sandy TOPSOIL.							
			0.30		Firm medium strength brown slightly sandy gravelly CLAY. Gravel is round to sub-rounded, fine to medium of quartz.								
2.00	SPT	N = 16 (2,2/3,4,4,5)		(2.30)		1.0 Becoming grey and brown from 1.70m. 2.0 Becoming stiff and high strength from 2.00m.							
			2.60		3.0 Becoming grey and brown from 3.50m.								
3.00	SPT	N = 20 (2,2/3,5,5,7)		(1.40)		4.0 Borehole Terminated @ 4.00m							
4.00	SPT	N = 20 (2,3/3,5,6,6)		4.00		5.0							
General Remarks: 1) Borehole stable. 2) Groundwater encountered at 2.00m. 3) No evidence of contamination identified. 4) Borehole terminated at 4.00m due to rig refusal. 5) Borehole installed with gas and groundwater monitoring ancillaries.													
Dimensions:						Plant Used: Premier Compact 110 (Regional Drilling Ltd)							

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Job Number: PJSG21-58		Date Logged: 15/12/2021		Logged By: VH		Checked By: NB		Coordinates: 444717, 291990		Ground Level: -		Scale: 1:25	
Sheet 1 of 1													
Samples & In-Situ Testing			Strata Details										
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description				Water	Backfill		
1.00	SPT	N = 12 (2,2/2,3,3,4)		(0.40)		Grass over brown sandy TOPSOIL. Frequent rootlets.							
			0.40										
2.00	SPT	N = 18 (3,3/4,4,5,5)		(0.60)		Soft brown slightly sandy slightly silty slightly gravelly CLAY. Gravel is sub-angular to angular, fine to coarse of quartz. Becoming firm at 0.70m.							
			1.00										
3.00	SPT	N = 22 (3,4/5,5,5,7)		(1.50)		Firm medium strength brown mottled grey very gravelly CLAY. Gravel is sub-angular to angular, fine to medium of chalk, quartz, sandstone and mudstone. Becoming stiff and high strength at 2.00m.							
			2.50										
4.00	SPT	N = 19 (3,3/5,4,5,5)		(2.50)		Stiff high strength dark grey gravelly CLAY. Gravel is sub-angular to sub-rounded, fine to coarse of chalk, quartz and mudstone.							
			5.00										
5.00	SPT	N = 27 (5,6/6,6,7,8)				Borehole Terminated @ 5.00m							
General Remarks: 1) Borehole stable. 2) Groundwater encountered at base. 3) No evidence of contamination identified. 4) Borehole terminated at 5.00m due to rig refusal. 5) Borehole backfilled with arisings upon completion.													
Dimensions:						Plant Used: Premier Compact 110 (Regional Drilling Ltd)							

 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk			Site Name: Lutterworth Road, Burbage.				Client: Davidsons Homes			Trial Pit ID: WS12			
Job Number:		Date Logged:		Logged By:		Checked By:		Coordinates:		Ground Level:		Scale:	
PJSG21-58		15/12/2021		VH		NB		444798, 292036		-		1:25	
Samples & In-Situ Testing			Strata Details										
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description				Water	Backfill		
1.00	SPT	N = 11 (1,3/2,3,3,3)		(0.40)		Grass over brown sandy clayey TOPSOIL. Frequent rootlets.							
				0.40		Firm medium strength brown slightly sandy slightly silty gravelly CLAY. Gravel is rounded, fine of quartz and siltstone.							
2.00	SPT	N = 13 (2,2/2,3,4,4)		(0.90)		Firm medium strength grey and brown sandy gravelly CLAY. Gravel is angular, fine to coarse of siltstone, limestone, mudstone and sandstone.							
				1.30		Firm medium strength grey and brown sandy gravelly CLAY. Gravel is angular, fine to coarse of siltstone, limestone, mudstone and sandstone.							
3.00	SPT	N = 20 (3,3/4,5,5,6)		(2.90)		Firm medium strength grey and brown sandy gravelly CLAY. Gravel is angular, fine to coarse of siltstone, limestone, mudstone and sandstone.							
				4.20		Firm medium strength grey and brown sandy gravelly CLAY. Gravel is angular, fine to coarse of siltstone, limestone, mudstone and sandstone.							
4.00	SPT	N = 32 (5,5/7,7,8,10)		(0.80)		Very stiff very high strength dark grey gravelly CLAY. Gravel is angular to sub-angular, fine to coarse of chalk and quartz.							
				5.00		Very stiff very high strength dark grey gravelly CLAY. Gravel is angular to sub-angular, fine to coarse of chalk and quartz.							
5.00	SPT	N = 28 (4,5/5,6,6,6)				Borehole Terminated @ 5.00m							
General Remarks: 1) Borehole stable. 2) No groundwater encountered. 3) No evidence of contamination identified. 4) Borehole terminated at 5.00m due to rig refusal. 5) Borehole backfilled with arisings upon completion.													
Dimensions:						Plant Used: Premier Compact 110 (Regional Drilling Ltd)							

General Remarks: 1) Borehole stable. 2) No groundwater encountered. 3) No evidence of contamination identified. 4) Borehole terminated at 4.00m due to rig refusal. 5) Borehole installed with gas and groundwater monitoring ancillaries.		Plant Used: Premier Compact 110 (Regional Drilling Ltd)
Dimensions:		

 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk			Site Name: Lutterworth Road, Burbage.				Client: Davidsons Homes			Trial Pit ID: WS14			
Job Number:		Date Logged:		Logged By:		Checked By:		Coordinates:		Ground Level:		Scale:	
PJSG21-58		15/12/2021		VH		NB		444817, 291993		-		1:25	
Sheet 1 of 1													
Samples & In-Situ Testing			Strata Details										
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description				Water	Backfill		
1.00	SPT	N = 8 (1,2/2,2,2,2)		(0.30)		Grass over brown sandy TOPSOIL. Frequent rootlets.							
				(0.30)		Firm brown and grey slightly silty slightly gravelly CLAY. Gravel is rounded, fine of quartz and siltstone.							
				(0.70)		Firm medium strength orange and brown very sandy CLAY. Containing a pocket of clayey SAND between 1.20m 1.30m.							
				(1.00)		Firm medium strength brown and grey slightly silty CLAY. Becoming very silty with depth.							
2.00	SPT	N = 12 (2,2/3,3,3,3)		(0.50)									
				(1.30)									
3.00	SPT	N = 14 (3,3/4,4,3,3)		(1.30)									
				(2.80)		Stiff high strength grey clayey SILT.							
4.00	SPT	N = 17 (2,2/3,4,5,5)		(2.20)									
				(5.00)		- Soft pocket between 4.5 - 4.75m.							
5.00	SPT	N = 19 (3,3/3,5,5,6)				Borehole Terminated @ 5.00m							
General Remarks: 1) Borehole stable. 2) Groundwater encountered at 2.00m. 3) No evidence of contamination identified. 4) Borehole terminated at 5.00m due to rig refusal. 5) Borehole backfilled with arisings upon completion.													
Dimensions:						Plant Used: Premier Compact 110 (Regional Drilling Ltd)							

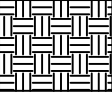
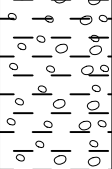
Samples & In-Situ Testing			Strata Details					
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description	Water	Backfill
1.00	SPT	N = 9 (2,2/2,2,3,2)		(0.30)		Grass over brown sandy TOPSOIL. Frequent rootlets.		
				0.30				
2.00	SPT	N = 14 (2,3/3,3,3,5)		(0.70)		Firm brown sandy gravelly CLAY. Gravel is sub-angular to sub-rounded, fine to coarse of quartz.		
				1.00				
3.00	SPT	N = 14 (3,3/3,3,4,4)		(1.00)		Firm medium strength brown mottled grey gravelly CLAY. Gravel is sub-angular to sub-rounded, fine to medium of quartz, mudstone, siltstone, and chalk.		
				2.00				
4.00	SPT	N = 12 (1,2/2,2,3,5)		(1.00)		Stiff high strength brown and grey sandy gravelly CLAY. Gravel is sub-angular to sub-rounded, fine to medium of mudstone and sandstone.		
				3.00				
5.00	SPT	N = 10 (1,1/2,2,3,3)		(0.70)		Medium dense brown slightly gravelly SAND. Gravel is rounded, fine of quartz.		
				3.70				
				(1.30)		Firm medium strength dark grey silty CLAY.		
				5.00				
						Poor recovery between 4.10m - 4.60m.		
						Borehole Terminated @ 5.00m		

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Job Number:		Date Logged:		Logged By:		Checked By:		Coordinates:		Ground Level:		Scale:	
PJSG21-58		16/12/2021		VH		NB		444887, 291952		-		1:25	
Samples & In-Situ Testing			Strata Details										
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description				Water	Backfill		
1.00	SPT	N = 4 (1,1/1,1,1,1)		(0.30)		Grass over brown sandy TOPSOIL. Frequent rootlets. Rare brick fragment.							
				(0.70)		Soft to firm brown slightly sandy gravelly CLAY. Gravel is rounded, fine of quartz. Becoming orangeish brown from 0.70m.							
				(1.00)		Soft low strength grey mottled brown slightly silty sandy gravelly CLAY. Gravel is rounded, fine of quartz. Pocket of soft yellow sandy clay between 1.20m - 1.40m.							
2.00	SPT	N = 19 (3,3/4,4,5,6)		(0.80)		Soft low strength grey mottled brown slightly silty sandy gravelly CLAY. Gravel is rounded, fine of quartz. Pocket of soft yellow sandy clay between 1.20m - 1.40m.							
				(1.20)		Stiff high strength dark grey silty CLAY.							
3.00	SPT	N = 14 (2,3/3,3,4,4)		(1.80)		Stiff high strength dark grey silty CLAY.							
				(3.00)		Medium dense yellowish brown clayey gravelly SAND. Gravel is sub-angular, fine of chalk.							
4.00	SPT	N = 12 (3,3/2,3,4,3)		(3.30)		Firm dark grey silty CLAY.							
				(1.70)		Firm dark grey silty CLAY. No recovery between 4.00m - 5.00m.							
5.00	SPT	N = 7 (2,2/2,1,2,2)		(5.00)		Borehole Terminated @ 5.00m							
General Remarks: 1) Borehole collapse at 3.00m upon completion of hole. 2) Groundwater encountered at 1.00m. 3) No evidence of contamination identified. 4) Borehole terminated at 5.00m due to rig refusal. 5) Borehole installed with gas and groundwater monitoring ancillaries.													
Dimensions:						Plant Used: Premier Compact 110 (Regional Drilling Ltd)							

Dimensions:	Plant Used: Premier Compact 110 (Regional Drilling Ltd)
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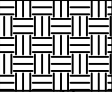
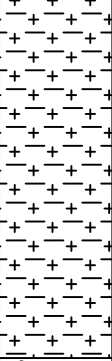
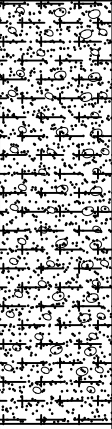
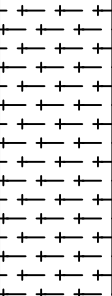
 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk	Site Name: Lutterworth Road, Burbage.		Client: Davidsons Homes			Trial Pit ID: WS18	
	Job Number:	Date Logged:	Logged By:	Checked By:	Coordinates:	Ground Level:	Scale:
	PJSG21-58	13/01/2022	NB	VH	444648, 291980	-	1:25

Sheet 1 of 1

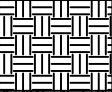
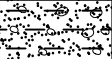
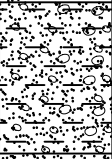
Samples & In-Situ Testing			Strata Details					
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description	Water	Backfill
1.00	SPT	N = 7 (1,0/1,1,2,3)		(0.30)		Grass over brown sandy TOPSOIL. Frequent rootlets.		
				0.30				
				(0.60)		Soft brown gravelly CLAY. Gravel is angular to rounded, fine of lignites and occasional quartz.		
2.00	SPT	N = 21 (3,4/5,5,5,6)		0.90				
3.00	SPT	N = 31 (4,6/7,7,8,9)		(4.10)		1.0 Loose yellow wet gravelly very clayey SAND. Gravel is angular to rounded, fine to coarse of sandstone, chalk, white limestone and quartz.		
4.00	SPT	N = 29 (5,7/7,7,8,7)				2.0 Poor recovery between 1.90 - 5.00m. Becoming medium dense at 2.00m.		
5.00	SPT	N = 23 (6,5/4,5,6,8)		5.00		3.0 Becoming dense at 3.00m.		
						4.0 Becoming medium dense at 4.00m.		
						5.0 Borehole Terminated @ 5.00m		

General Remarks:
1) Borehole stable.
2) No groundwater encountered.
3) No evidence of contamination identified.
4) Borehole terminated at 5.00m due to rig refusal.
5) Borehole backfilled with arisings upon completion.

Dimensions:	Plant Used: DART (Regional Drilling Ltd)
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 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk			Site Name: Lutterworth Road, Burbage.				Client: Davidsons Homes			Trial Pit ID: WS19			
Job Number:		Date Logged:		Logged By:		Checked By:		Coordinates:		Ground Level:		Scale:	
PJSG21-58		16/12/2021		VH		NB		444828, 291914		-		1:25	
Sheet 1 of 1													
Samples & In-Situ Testing			Strata Details										
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description					Water	Backfill	
1.00	SPT	N = 9 (1,1/2,2,2,3)		(0.30)		Grass over brown sandy TOPSOIL. Frequent rootlets.							
				(0.50)		Firm brown slightly gravelly sandy CLAY. Gravel is rounded, fine of quartz.							
				(0.80)		Firm medium strength brown slightly silty CLAY.							
2.00	SPT	N = 13 (2,3/3,3,4,3)		(1.20)		Becoming firm and sandy from 1.50m.							
				2.00		Firm medium strength dark grey gravelly CLAY. Gravel sub-angular to sub-rounded, fine to medium of mudstone, chalk and quartz.							
				(0.60)		Stiff high strength dark grey sandy gravelly silty CLAY. Gravel sub-angular to sub-rounded, fine to medium of mudstone, chalk and quartz.							
3.00	SPT	N = 18 (3,3/4,4,3,4)		(1.40)									
				2.60									
				4.00									
4.00	SPT	N = 13 (2,2/2,3,4,4)		(1.00)		Firm medium strength dark grey slightly silty CLAY.							
				5.00		Borehole Terminated @ 5.00m							
5.00	SPT	N = 23 (3,4/4,6,6,7)											
General Remarks: 1) Borehole stable. 2) Groundwater encountered at 4.00m. 3) No evidence of contamination identified. 4) Borehole terminated at 5.00m due to rig refusal. 5) Borehole backfilled with arisings upon completion.													
Dimensions:						Plant Used: Premier Compact 110 (Regional Drilling Ltd)							

 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk			Site Name: Lutterworth Road, Burbage.				Client: Davidsons Homes			Trial Pit ID: WS20			
Job Number:		Date Logged:		Logged By:		Checked By:		Coordinates:		Ground Level:		Scale:	
PJSG21-58		16/12/2021		VH		NB		444842, 291925		-		1:25	
Sheet 1 of 1													

Samples & In-Situ Testing			Strata Details						
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description	Water	Backfill	
1.00	SPT	N = 4 (1,1/1,1,1,1)		(0.30)		Grass over brown sandy TOPSOIL. Frequent rootlets.			
				(0.40)		Firm brown slightly sandy gravelly CLAY. Gravel is rounded, fine of quartz.			
				(0.70)		Firm orangeish brown very sandy gravelly CLAY. Gravel is sub-angular to sub-rounded, fine to coarse of quartz.			
				(0.20)		Soft low strength orangeish brown very sandy gravelly CLAY. Gravel is sub-angular to sub-rounded, fine to coarse of quartz.			
2.00	SPT	N = 16 (3,3/3,3,5,5)		(0.50)		Medium dense orangeish brown very gravelly clayey SAND. Gravel is sub-angular to sub-rounded, fine to coarse of quartz.			
				(0.90)		Medium dense to dense brown gravelly clayey SAND. Gravel is sub-angular to sub-rounded, fine to coarse of quartz and chalk.			
3.00	SPT	N = 50 (8,12/12,13,15,10/45mm)		3.00		Borehole Terminated @ 3.00m			

General Remarks:

1) Borehole stable.

2) Groundwater encountered at 2.00m.

3) No evidence of contamination identified.

4) Borehole terminated at 3.00m due to rig refusal.

5) Borehole installed with gas and groundwater monitoring ancillaries.

Dimensions:	Plant Used: Premier Compact 110 (Regional Drilling Ltd)
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Appendix C: Chemical Testing Results



**Anthony Owen**

Exploration & Testing Associates Limited
3 Siskin Drive
Middlemarch Business Park
Coventry
CV3 4FJ

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
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WD18 8YS

t: 01923 225404

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e: results@explorationtesting.uk

Analytical Report Number : 21-30494

Replaces Analytical Report Number: 21-30494, issue no. 1
Client references/information amended.

Project / Site name:	Lutterworth Road, Burbage	Samples received on:	21/12/2021
Your job number:	C10222	Samples instructed on/ Analysis started on:	21/12/2021
Your order number:	PO-1855	Analysis completed by:	20/01/2022
Report Issue Number:	2	Report issued on:	20/01/2022
Samples Analysed:	12 soil samples		

Signed:

Joanna Wawrzeczko
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

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

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

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

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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

Analytical Report Number: 21-30494

Project / Site name: Lutterworth Road, Burbage

Your Order No: PO-1855

Lab Sample Number				2123966	2123967	2123968	2123969	2123970
Sample Reference				TP01	TP04	TP06	TP06	TP09
Sample Number				1	1	1	2	1
Depth (m)				0.20	0.20	0.20	0.50	0.20
Date Sampled				16/12/2021	15/12/2021	16/12/2021	16/12/2021	15/12/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	18	20	18	15	15
Total mass of sample received	kg	0.001	NONE	1.4	1.4	1.4	1.5	1.4

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DSA	DSA	DSA		DSA

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	6.2	6.9	7.0	7.9	6.8
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.011	0.010	0.0086	0.0080	0.014
Organic Matter (automated)	%	0.1	MCERTS	4.7	3.8	4.4	1.1	3.5

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.6	7.9	8.8	8.9	8.9
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.3	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	4	NONE	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	17	20	17	21	16
Copper (aqua regia extractable)	mg/kg	1	MCERTS	24	22	27	20	23
Lead (aqua regia extractable)	mg/kg	1	MCERTS	45	35	49	19	75
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15	16	16	23	15
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	75	63	69	49	66

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-30494

Project / Site name: Lutterworth Road, Burbage

Your Order No: PO-1855

Lab Sample Number				2123971	2123972	2123973	2123974	2123975
Sample Reference				TP15	TP15	TP16	TP16	TP18
Sample Number				1	2	1	2	1
Depth (m)				0.20	0.50	0.20	0.50	0.20
Date Sampled				15/12/2021	15/12/2021	16/12/2021	16/12/2021	16/12/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	17	15	13	13	12
Total mass of sample received	kg	0.001	NONE	1.4	1.4	1.4	1.4	1.4

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	-	Not-detected	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DSA		DSA		DSA

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.2	7.4	5.7	6.3	5.7
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.040	0.021	0.0097	0.0027	0.0083
Organic Matter (automated)	%	0.1	MCERTS	3.2	1.3	5.1	1.5	5.3

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.20	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.33	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.32	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	0.85	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.2	7.8	11	9.7	12
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	4	NONE	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	17	18	18	19	22
Copper (aqua regia extractable)	mg/kg	1	MCERTS	16	22	24	22	27
Lead (aqua regia extractable)	mg/kg	1	MCERTS	42	15	58	20	91
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	14	18	15	16	18
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	72	45	76	56	82

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-30494

Project / Site name: Lutterworth Road, Burbage

Your Order No: PO-1855

Lab Sample Number				2123976	2123977
Sample Reference				TP20	WS03
Sample Number				1	1
Depth (m)				0.20	0.10
Date Sampled				16/12/2021	16/12/2021
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	20	18
Total mass of sample received	kg	0.001	NONE	1.4	1.4

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DSA	DSA

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	6.6	7.4
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0063	0.0085
Organic Matter (automated)	%	0.1	MCERTS	3.0	3.7

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	14	8.0
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	4	NONE	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	32	15
Copper (aqua regia extractable)	mg/kg	1	MCERTS	23	21
Lead (aqua regia extractable)	mg/kg	1	MCERTS	31	40
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	25	13
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	77	59

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 21-30494

Project / Site name: Lutterworth Road, Burbage

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
2123966	TP01	1	0.2	Brown clay and loam with gravel and vegetation.
2123967	TP04	1	0.2	Brown clay and loam with gravel and vegetation.
2123968	TP06	1	0.2	Brown clay and loam with gravel and vegetation.
2123969	TP06	2	0.5	Brown clay and sand with gravel.
2123970	TP09	1	0.2	Brown loam and clay with vegetation.
2123971	TP15	1	0.2	Brown loam and clay with vegetation.
2123972	TP15	2	0.5	Brown loam and clay.
2123973	TP16	1	0.2	Brown loam and clay with vegetation.
2123974	TP16	2	0.5	Brown loam and clay with vegetation.
2123975	TP18	1	0.2	Brown loam and clay with vegetation.
2123976	TP20	1	0.2	Brown loam and clay with vegetation.
2123977	WS03	1	0.1	Brown loam and clay with vegetation.

Analytical Report Number : 21-30494

Project / Site name: Lutterworth Road, Burbage

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	NONE
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



ANALYTICAL TEST REPORT

Contract no: 104346(1)

Contract name: Lutterworth Road, Burbage

Client reference: C10222

Clients name: Exploration & Testing Associates

Clients address: Unit 8B
Bowburn South Industrial Estate
Durham
DH6 5AD

Samples received: 07 January 2022

Analysis started: 07 January 2022

Analysis completed: 11 January 2022

Report issued: 21 January 2022

This is a supplementary report to report number 104346 issued 11 January 2022.

Key

U	UKAS accredited test
M	MCERTS & UKAS accredited test
\$	Test carried out by an approved subcontractor
I/S	Insufficient sample to carry out test
N/S	Sample not suitable for testing

Approved by:

Rachael Burton

Reporting Team Lead

Chemtech Environmental Limited

SAMPLE INFORMATION

MCERTS (Soils):

Soil descriptions are only intended to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions. MCERTS accreditation applies for sand, clay and loam/topsoil, or combinations of these whether these are derived from naturally occurring soils or from made ground, as long as these materials constitute the major part of the sample. Other materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Lab ref	Sample id	Depth (m)	Sample description	Material removed	% Removed	% Moisture
104346-1	TP02	1.00	Sandy Loamy Clay	-	-	22.3
104346-2	TP05	2.40	Sandy Loamy Clay	-	-	16.6
104346-3	TP09	1.10	Sandy Loamy Clay	-	-	17.1
104346-4	TP12	3.20	Sandy Loamy Clay	-	-	13.6
104346-5	TP16	2.00	Sandy Loamy Clay	-	-	15.3

Chemtech Environmental Limited

SOILS

Lab number			104346-1	104346-2	104346-3	104346-4	104346-5
Sample id			TP02	TP05	TP09	TP12	TP16
Depth (m)			1.00	2.40	1.10	3.20	2.00
Date sampled			16/12/2021	16/12/2021	16/12/2021	16/12/2021	16/12/2021
Test	Method	Units					
pH	CE004 ^M	units	8.8	8.9	8.7	8.9	8.7
Magnesium (2:1 water soluble)	CE061	mg/l Mg	13	8.4	6.4	9.2	7.0
Chloride (2:1 water soluble)	CE049 ^U	mg/l Cl	3.1	12	5.7	5.4	2.8
Nitrate (2:1 water soluble)	CE049 ^U	mg/l NO ₃	4.8	<1	<1	<1	<1
Sulphate (2:1 water soluble)	CE061 ^U	mg/l SO ₄	35	32	24	23	23
Sulphate (total)	CE062 ^M	mg/kg SO ₄	258	207	685	404	393
Sulphate (total)	CE062 ^M	% w/w SO ₄	0.03	0.02	0.07	0.04	0.04
Sulphur (total)	CE119	mg/kg S	172	465	176	564	410
Sulphur (total)	CE119	% w/w S	0.02	0.05	0.02	0.06	0.04

Chemtech Environmental Limited

METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
CE004	pH	Based on BS 1377, pH Meter	As received	M	-	units
CE061	Magnesium (2:1 water soluble)	Aqueous extraction, ICP-OES	Dry		1	mg/l Mg
CE049	Chloride (2:1 water soluble)	Aqueous extraction, IC-COND	Dry	U	1	mg/l Cl
CE049	Nitrate (2:1 water soluble)	Aqueous extraction, IC-COND	Dry	U	1	mg/l NO ₃
CE061	Sulphate (2:1 water soluble)	Aqueous extraction, ICP-OES	Dry	U	10	mg/l SO ₄
CE062	Sulphate (total)	Acid extraction, ICP-OES	Dry	M	100	mg/kg SO ₄
CE062	Sulphate (total)	Acid extraction, ICP-OES	Dry	M	0.01	% w/w SO ₄
CE119	Sulphur (total)	Acid extraction, ICP-OES	Dry		100	mg/kg S
CE119	Sulphur (total)	Acid extraction, ICP-OES	Dry		0.01	% w/w S



ANALYTICAL TEST REPORT

Contract no: 104429(1)

Contract name: Lutterworth Road, Burbage

Client reference: C10222

Clients name: Exploration & Testing Associates

Clients address: Unit 8B
Bowburn South Industrial Estate
Durham
DH6 5AD

Samples received: 11 January 2022

Analysis started: 11 January 2022

Analysis completed: 13 January 2022

Report issued: 21 January 2022

This is a supplementary report to report number 104429 issued 13 January 2022.

Key

U	UKAS accredited test
M	MCERTS & UKAS accredited test
\$	Test carried out by an approved subcontractor
I/S	Insufficient sample to carry out test
N/S	Sample not suitable for testing

Approved by:

Rachael Burton

Reporting Team Lead

Chemtech Environmental Limited

SAMPLE INFORMATION

MCERTS (Soils):

Soil descriptions are only intended to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions. MCERTS accreditation applies for sand, clay and loam/topsoil, or combinations of these whether these are derived from naturally occurring soils or from made ground, as long as these materials constitute the major part of the sample. Other materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Lab ref	Sample id	Depth (m)	Sample description	Material removed	% Removed	% Moisture
104429-1	WS10	1.50	Sandy Loamy Clay with Roots	-	-	16.4

Chemtech Environmental Limited

SOILS

Lab number			104429-1
Sample id			WS10
Depth (m)			1.50
Date sampled			16/12/2021
Test	Method	Units	
pH	CE004 ^M	units	8.3
Magnesium (2:1 water soluble)	CE061	mg/l Mg	5.8
Chloride (2:1 water soluble)	CE049 ^U	mg/l Cl	11
Nitrate (2:1 water soluble)	CE049 ^U	mg/l NO ₃	<1
Sulphate (2:1 water soluble)	CE061 ^U	mg/l SO ₄	13
Sulphate (total)	CE062 ^M	mg/kg SO ₄	169
Sulphate (total)	CE062 ^M	% w/w SO ₄	0.02
Sulphur (total)	CE119	mg/kg S	<100
Sulphur (total)	CE119	% w/w S	<0.01

Chemtech Environmental Limited

METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
CE004	pH	Based on BS 1377, pH Meter	As received	M	-	units
CE061	Magnesium (2:1 water soluble)	Aqueous extraction, ICP-OES	Dry		1	mg/l Mg
CE049	Chloride (2:1 water soluble)	Aqueous extraction, IC-COND	Dry	U	1	mg/l Cl
CE049	Nitrate (2:1 water soluble)	Aqueous extraction, IC-COND	Dry	U	1	mg/l NO ₃
CE061	Sulphate (2:1 water soluble)	Aqueous extraction, ICP-OES	Dry	U	10	mg/l SO ₄
CE062	Sulphate (total)	Acid extraction, ICP-OES	Dry	M	100	mg/kg SO ₄
CE062	Sulphate (total)	Acid extraction, ICP-OES	Dry	M	0.01	% w/w SO ₄
CE119	Sulphur (total)	Acid extraction, ICP-OES	Dry		100	mg/kg S
CE119	Sulphur (total)	Acid extraction, ICP-OES	Dry		0.01	% w/w S

Chemtech Environmental Limited

DEVIATING SAMPLE INFORMATION

Comments

Sample deviation is determined in accordance with the UKAS note "Guidance on Deviating Samples" and based on reference standards and laboratory trials.

For samples identified as deviating, test result(s) may be compromised and may not be representative of the sample at the time of sampling.

Chemtech Environmental Ltd cannot be held responsible for the integrity of sample(s) received if Chemtech Environmental Ltd did not undertake the sampling. Such samples may be deviating.

Key

N	No (not deviating sample)
Y	Yes (deviating sample)
NSD	Sampling date not provided
NST	Sampling time not provided (waters only)
EHT	Sample exceeded holding time(s)
IC	Sample not received in appropriate containers
HP	Headspace present in sample container
NCF	Sample not chemically fixed (where appropriate)
OR	Other (specify)

Lab ref	Sample id	Depth (m)	Deviating	Tests (Reason for deviation)
104429-1	WS10	1.50	Y	pH (EHT)

Chemtech Environmental Limited

ADDITIONAL INFORMATION

Notes

Opinions and interpretations expressed herein are outside the UKAS accreditation scope.

Unless otherwise stated, Chemtech Environmental Ltd was not responsible for sampling.

All testing carried out at Unit 6 Parkhead, Stanley, DH9 7YB, except for subcontracted testing.

Methods, procedures and performance data are available on request.

Results reported herein relate only to the material supplied to the laboratory.

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

Samples will be disposed of 6 weeks from initial receipt unless otherwise instructed.

For soils and solids, all results are reported on a dry basis. Samples dried at no more than 30°C in a drying cabinet.

For soils and solids, analytical results are inclusive of stones, where applicable.

Chemtech Environmental Limited

TEST REPORT REVISIONS

The table below identifies amendments that have been made to this test report for each revision.

Test Report Reference	Details of amendments to test report	Issue Date
104429	Original report issued	13 January 2022
104429(1)	Sulphate(total) as %w/w and Sulphur(total) as %w/w added to report. Sampling date and deviations amended.	21 January 2022

Chemtech Environmental Limited

DEVIATING SAMPLE INFORMATION

Comments

Sample deviation is determined in accordance with the UKAS note "Guidance on Deviating Samples" and based on reference standards and laboratory trials.

For samples identified as deviating, test result(s) may be compromised and may not be representative of the sample at the time of sampling.

Chemtech Environmental Ltd cannot be held responsible for the integrity of sample(s) received if Chemtech Environmental Ltd did not undertake the sampling. Such samples may be deviating.

Key

N	No (not deviating sample)
Y	Yes (deviating sample)
NSD	Sampling date not provided
NST	Sampling time not provided (waters only)
EHT	Sample exceeded holding time(s)
IC	Sample not received in appropriate containers
HP	Headspace present in sample container
NCF	Sample not chemically fixed (where appropriate)
OR	Other (specify)

Lab ref	Sample id	Depth (m)	Deviating	Tests (Reason for deviation)
104346-1	TP02	1.00	Y	pH (EHT)
104346-2	TP05	2.40	Y	pH (EHT)
104346-3	TP09	1.10	Y	pH (EHT)
104346-4	TP12	3.20	Y	pH (EHT)
104346-5	TP16	2.00	Y	pH (EHT)

Chemtech Environmental Limited

ADDITIONAL INFORMATION

Notes

Opinions and interpretations expressed herein are outside the UKAS accreditation scope.

Unless otherwise stated, Chemtech Environmental Ltd was not responsible for sampling.

All testing carried out at Unit 6 Parkhead, Stanley, DH9 7YB, except for subcontracted testing.

Methods, procedures and performance data are available on request.

Results reported herein relate only to the material supplied to the laboratory.

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

Samples will be disposed of 6 weeks from initial receipt unless otherwise instructed.

For soils and solids, all results are reported on a dry basis. Samples dried at no more than 30°C in a drying cabinet.

For soils and solids, analytical results are inclusive of stones, where applicable.

Chemtech Environmental Limited

TEST REPORT REVISIONS

The table below identifies amendments that have been made to this test report for each revision.

Test Report Reference	Details of amendments to test report	Issue Date
104346	Original report issued	11 January 2022
104346(1)	Sulphate(total) as %w/w and Sulphur(total) as %w/w added to report. Sampling date amended.	21 January 2022

Appendix D: Geotechnical Testing Results



Laboratory Test Report

Client:	Exploration and Testing Associates Limited
Job Number:	C10222
Project:	Lutterworth
Report Number:	L22-013
Date Received:	23.12.2021
Client Contact:	Anthony Owen
Address:	'number three' Siskin Drive, Middlemarch Business Park, Coventry, CV3 4FJ

Testing Required:	Water Content – BS EN ISO 17892-1:2014 Determination of Liquid and Plastic Limits and Plasticity Index – BS EN ISO 17892-12:2018 Particle Size Distribution – BS EN ISO 17892- 4:2016
Date Testing Started:	24.12.2021
Date Testing Finished:	07.01.2022

Date Report Issued:	14.01.2022
Reviewed By:	 J. Round – Quality Technician
Authorised By:	 N. Hodson – Materials Director
Remarks:	(*) Denotes testing is outside of UKAS Accreditation Scope.

Samples will be stored for one month after the report has been issued before being disposed of.

The published results are appertaining only to the specimens tested.

Exploration & Testing Associates Limited, registered in England and Wales # 11803869 at 8B Bowburn South Ind Est, Bowburn, Durham, DH6 5AD

Determination of Moisture Content, Liquid Limit, Plastic Limit and Derivation of Plasticity Index

Project No.				Project Name						
C10222				Lutterworth Road, Burbage						
Hole No.	Type	Sample		Soil Description	Moisture Content %	Passing 425µm %	Liquid Limit %	Plastic Limit %	Plasticity Index %	Remarks
		Ref	Depth							
TP05	D	1	1.00	Brown slightly sandy slightly gravelly clay	26	98	46	22	24	Sample tested in natural state - material passing 425um estimated by hand picking
WS13	D	1	1.00	Brown with orange mottling slightly sandy clay	17	97	32	16	16	Sample tested in natural state - material passing 425um estimated by hand picking
TP19	B	1	1.40	Brown Slightly Sandy Clay	24	97	32	15	17	Sample tested in natural state - material passing 425um estimated by hand picking
TP15	D	1	1.50	Brown Slightly Sandy Clay	22	98	29	20	9	Sample tested in natural state - material passing 425um estimated by hand picking
WS14	D	1	1.80	Brown with orange mottling slightly sandy clay	26	100	44	21	23	Sample tested in natural state - material passing 425um estimated by hand picking
TP15	B	1	2.00	Brown sandy Gravel with occasional clay pockets - INSUFFICIENT SAMPLE TO CARRY OUT PI	13					
TP05	B	1	2.00	Brown Slightly Sandy Clay	18	97	35	16	19	Sample tested in natural state - material passing 425um estimated by hand picking
WS01	D	1	2.00	Brown with orange mottling slightly sandy slightly gravelly clay	14	88	28	13	15	Sample tested in natural state - material passing 425um estimated by hand picking
TP11	D	1	2.40	Brown slightly sandy slightly gravelly clay	17	93	36	16	20	Sample tested in natural state - material passing 425um estimated by hand picking
TP03	D	1	2.40	Brown Slightly Sandy Clay	24	98	46	22	24	Sample tested in natural state - material passing 425um estimated by hand picking
WS14	D	2	3.00	Brown silty clay/clayey silt	24	98	31	21	10	Sample tested in natural state - material passing 425um estimated by hand picking

PARTICLE SIZE DISTRIBUTION

Job Ref

C10222

Borehole/Pit No.

TP19

Site Name

Lutterworth Road, Burbage

Sample No.

1

Soil Description

Brown Slightly Sandy Clay

Depth, m

1.40

Specimen Reference

Specimen Depth

m

Sample Type

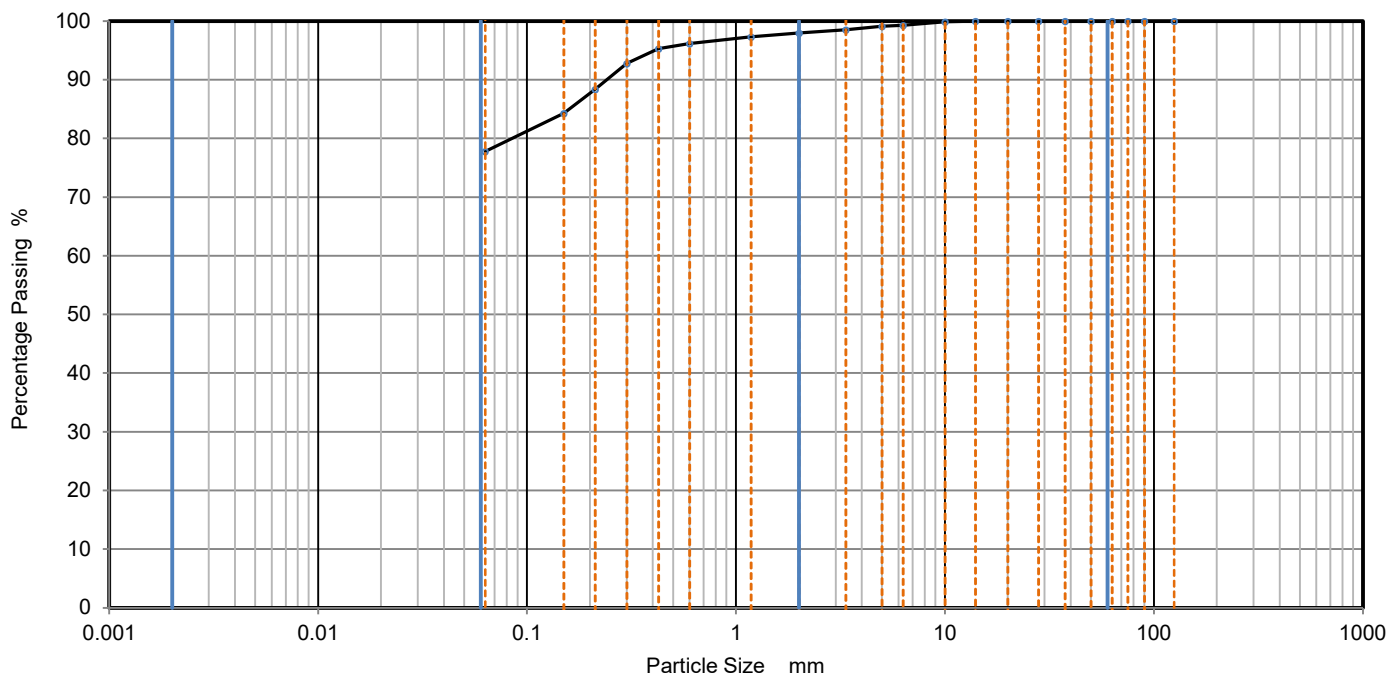
B

Test Method

BS EN ISO 17892-4:2016 - Wet & Dry Sieving

KeyLAB ID

EAT_2022011414



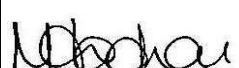
Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	99		
5	99		
3.35	99		
2	98		
1.18	97		
0.6	96		
0.425	95		
0.3	93		
0.212	88		
0.15	84		
0.063	78		

Sample Proportions	% dry mass
Very coarse	0
Gravel	2
Sand	20
Fines <0.063mm	78

Grading Analysis	
D ₁₀₀	mm
D ₆₀	mm
D ₃₀	mm
D ₁₀	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks

Preparation and testing in accordance with BS EN ISO 17892-4:2016 unless noted below

Date	Approved By		UKAS Accredited Laboratory No. 20632
14/01/2022 15:34	N Hodson		

Appendix E: Gas and Groundwater Monitoring Results



Gas & Groundwater Monitoring Record

Site Name:	Lutterworth Road, Burbage
Undertaken by:	VH
Equipment Used:	GFM436
Atmospheric Pressure Trend	Falling
Temperature:	8

Job Number:	PJSG21-58
Date:	23rd December 2022
Last Calibrated:	26th October 2021
Time of Works:	AM
Weather Conditions:	Overcast / drizzle

Time	BH Ref.	Depth of BH (m)	Depth of Water (m)	Gas Flow (l/hr)		CH ₄ (% v/v)		CO ₂ (% v/v)		O (% v/v)		CO (ppm)	H ₂ S (ppm)	BH Pessure (Pa)	Atmospheric Pressure (mb)
				Peak	Steady	Peak	Steady	Peak	Steady	Low	Steady	Peak	Peak		
11:40	WS01	3.35	2.00	0.3	0.1	< 0.1	< 0.1	2.6	2.6	16.9	16.9	< 1	< 1	0	991
11:32	WS03	2.96	DRY	< 0.1	< 0.1	< 0.1	< 0.1	1.3	1.3	19	19.4	< 1	< 1	0	991
11:15	WS07	3.46	0.60	< 0.1	< 0.1	< 0.1	< 0.1	1.7	1.7	18.5	18.5	16	< 1	0	991
11:52	WS08	3.45	0.70	< 0.1	< 0.1	< 0.1	< 0.1	1.6	1.6	18.5	18.5	< 1	< 1	0	991
11:06	WS10	3.96	0.83	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.3	20.2	20.2	< 1	< 1	0	991
12:19	WS13	3.72	0.98	2.5	0.1	< 0.1	< 0.1	1.7	1.7	18.1	18.1	10	< 1	0	991
12:10	WS15	2.63	1.50	0.2	0.2	< 0.1	< 0.1	0.9	0.9	19.5	19.5	< 1	< 1	1	991
12:03	WS16	3.85	0.46	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8	19.1	19.2	< 1	< 1	0	991

Maximum	2.5	0.2
Minimum	0.2	0.1

<0.1
<0.1

2.6
0.3

20.2	16	0
16.9	10	0

991
991

Background Readings	CH4	CO2	O2	CO	H2S
	<0.1	<0.1	20.3	0	0

General remark/ Observation
Boreholes WS07, WS08, WS10 and WS16 were flooded on arrival. Borehole were subsequently bailed dry and left to stabilise. Monitoring was undertaken after stabilisation.

Gas & Groundwater Monitoring Record

Site Name:	Lutterworth Road, Burbage
Undertaken by:	NB
Equipment Used:	Gas Data (GFM 436)
Atmospheric Pressure Trend	Static
Temperature:	8

Job Number:	PJSG21-58
Date:	13th January 2022
Last Calibrated:	26th October 2021
Time of Works:	AM
Weather Conditions:	Clear, cold, wet ground.

Time	BH Ref.	Depth of BH (m)	Depth of Water (m) on arrival	Depth of Water (m) after bailing	Gas Flow (l/hr)		CH ₄ (% v/v)		CO ₂ (% v/v)		O (% v/v)		CO (ppm)	H ₂ S (ppm)	BH Pessure (Pa)	Atmospheric Pressure (mb)
					Peak	Steady	Peak	Steady	Peak	Steady	Low	Steady	Peak	Peak		
11:08	WS01	3.35	1.33	Not Bailed	0.2	< 0.1	0.2	0.2	0.7	0.7	17.5	17.5	< 1	< 1	1	1025
10:57	WS03	2.96	1.17	Not Bailed	0.3	0.2	0.3	0.3	0.7	0.7	18.6	18.6	< 1	< 1	1	1025
10:14	WS07	3.46	0.63	DRY	0.3	0.3	0.3	0.3	1.7	1.7	14.6	14.6	< 1	< 1	5	1025
10:46	WS08	3.45	0.74	1.03	0.1	0.1	0.3	0.3	0.8	0.8	17.7	17.7	< 1	< 1	1	1025
10:06	WS10	3.96	0.81	1.51	0.1	< 0.1	0.3	0.3	< 0.1	< 0.1	20.4	20.4	< 1	< 1	1	1025
10:25	WS13	3.72	1.02	1.13	< 0.1	< 0.1	0.3	0.3	1.5	1.5	16.4	16.4	< 1	< 1	0	1025
10:33	WS15	2.63	1.37	Not Bailed	0.1	< 0.1	0.3	0.3	1.1	1.1	15.7	15.7	< 1	< 1	1	1025
10:37	WS16	3.85	0.49	1.17	< 0.1	< 0.1	0.3	0.3	0.9	0.9	17.5	17.5	< 1	< 1	0	1025

Maximum	0.3	0.3	0.3	1.7	20.4	0	0	1025
Minimum	0.1	0.1	0.2	0.7	14.6	0	0	1025

Background Readings		CH ₄	CO ₂	O ₂	CO	H ₂ S
		< 0.1	< 0.1	20.3	0	0

General remark/ Observation
Boreholes WS07, WS08, WS10 and WS16 were flooded on arrival. Borehole were subsequently bailed dry and left to stabilise. Monitoring was undertaken after stabilisation.

Gas & Groundwater Monitoring Record

Site Name:	Lutterworth Road, Burbage
Undertaken by:	NB
Equipment Used:	Gas Data (GFM 436)
Atmospheric Pressure Trend	Static
Temperature:	12

Job Number:	PJSG21-58
Date:	27th January 2022
Last Calibrated:	26th October 2021
Time of Works:	AM
Weather Conditions:	Cold, clear, dry.

Time	BH Ref.	Depth of BH (m)	Depth of Water (m) on arrival	Depth of Water (m) after bailing	Gas Flow (l/hr)		CH ₄ (% v/v)		CO ₂ (% v/v)		O (% v/v)		CO (ppm)	H ₂ S (ppm)	BH Pressure (Pa)	Atmospheric Pressure (mb)
					Peak	Steady	Peak	Steady	Peak	Steady	Low	Steady	Peak	Peak		
09:14	WS01	3.35	1.87	Not Bailed	< 0.1	< 0.1	0.2	0.2	< 0.1	< 0.1	20.1	20.1	< 1	< 1	0	1012
09:20	WS03	2.96	0.85	1.73	< 0.1	< 0.1	0.2	0.2	< 0.1	< 0.1	20.2	20.2	< 1	< 1	0	1012
09:06	WS07	3.46	0.63	1.71	< 0.1	< 0.1	0.2	0.2	< 0.1	< 0.1	20.1	20.1	< 1	< 1	0	1012
09:28	WS08	3.45	0.70	1.38	< 0.1	< 0.1	0.2	0.2	< 0.1	< 0.1	20.1	20.1	< 1	< 1	0	1012
09:00	WS10	3.96	0.80	1.72	< 0.1	< 0.1	0.2	0.2	< 0.1	< 0.1	20.1	20.1	< 1	< 1	0	1012
09:48	WS13	3.72	1.04	1.81	< 0.1	< 0.1	0.2	0.2	< 0.1	< 0.1	20.1	20.1	< 1	< 1	0	1012
09:42	WS15	2.63	1.53	Not Bailed	< 0.1	< 0.1	0.2	0.2	< 0.1	< 0.1	20.2	20.2	< 1	< 1	0	1012
09:36	WS16	3.85	0.46	1.28	< 0.1	< 0.1	0.2	0.2	< 0.1	< 0.1	20.3	20.3	< 1	< 1	0	1012

Maximum	<0.1	<0.1	0.2	<0.1	20.3	0	0	1012
Minimum	<0.1	<0.1	0.2	<0.1	20.1	0	0	1012

Background Readings		CH4	CO2	O2	CO	H2S
		<0.1	<0.1	20.2	0	0

General remark/ Observation
Boreholes WS03, WS07, WS08, WS10, WS13, WS16 were bailed dry on arrival and left to stabilise. Monitoring was undertaken after stabilisation.

Gas & Groundwater Monitoring Record

Site Name:	Lutterworth Road, Burbage
Undertaken by:	NB
Equipment Used:	Gas Data (GFM 436)
Atmospheric Pressure Trend	Static
Temperature:	8

Job Number:	PJSG21-58
Date:	14th February 2022
Last Calibrated:	26th October 2021
Time of Works:	AM
Weather Conditions:	Wet, cloudy, standing water

Time	BH Ref.	Depth of BH (m)	Depth of Water (m) on arrival	Depth of Water (m) after bailing	Gas Flow (l/hr)		CH ₄ (% v/v)		CO ₂ (% v/v)		O (% v/v)		CO (ppm)	H ₂ S (ppm)	BH Pessure (Pa)	Atmospheric Pressure (mb)
					Peak	Steady	Peak	Steady	Peak	Steady	Low	Steady	Peak	Peak		
11:40	WS01	3.35	1.39	Not Bailed	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	20.1	20.1	< 1	< 1	0	983
11:32	WS03	2.96	1.32	Not Bailed	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	20.2	20.2	< 1	< 1	0	983
11:15	WS07	3.46	0.32	2.84	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	20.3	20.3	< 1	< 1	0	983
11:52	WS08	3.45	0.48	2.84	0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	20.3	20.4	< 1	< 1	1	983
11:06	WS10	3.96	0.73	2.48	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1	20.0	20.0	< 1	< 1	0	983
12:19	WS13	3.72	1.28	Not Bailed	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	20.2	20.2	< 1	< 1	0	983
12:10	WS15	2.63	1.34	Not Bailed	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	20.3	20.3	< 1	< 1	0	983
12:03	WS16	3.85	0.39	2.81	0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	20.2	20.2	< 1	< 1	1	983

Maximum	0.1	0.1	0	0.1	20.4	0	0	983
Minimum	0.1	0.1	0	0.1	20	0	0	983

Background Readings		CH4	CO2	O2	CO	H2S
		< 0.1	< 0.1	20.2	0	0

General remark/ Observation
Boreholes WS07, WS08, WS10 and WS16 were flooded on arrival. Borehole were subsequently bailed dry and left to stabilise. Monitoring was undertaken after stabilisation.

Gas & Groundwater Monitoring Record

Site Name:	Lutterworth Road, Burbage
Undertaken by:	NB
Equipment Used:	Gas Data (GFM 436)
Atmospheric Pressure Trend	Falling
Temperature:	11

Job Number:	PJSG21-58
Date:	09th March 2022
Last Calibrated:	26th October 2021
Time of Works:	AM
Weather Conditions:	Light wind, cloud, wet underfoot

Time	BH Ref.	Depth of BH (m)	Depth of Water (m) on arrival	Depth of Water (m) after bailing	Gas Flow (l/hr)		CH ₄ (% v/v)		CO ₂ (% v/v)		O (% v/v)		CO (ppm)	H ₂ S (ppm)	BH Pessure (Pa)	Atmospheric Pressure (mb)
					Peak	Steady	Peak	Steady	Peak	Steady	Low	Steady	Peak	Peak		
11:08	WS01	3.35	0.99	DRY	0.7	0.1	< 0.1	< 0.1	0.5	0.5	20.4	20.4	< 1	< 1	3	1000
10:57	WS03	2.96	0.79	DRY	< 0.1	< 0.1	< 0.1	< 0.1	1.3	1.3	16.3	16.3	< 1	< 1	0	1000
10:14	WS07	3.46	0.47	DRY	0.8	< 0.1	< 0.1	< 0.1	1.0	1.0	17.7	17.7	< 1	< 1	7	999
10:46	WS08	3.45	0.33	DRY	0.4	< 0.1	< 0.1	< 0.1	1.0	1.0	14.7	14.7	< 1	< 1	3	1000
10:06	WS10	3.96	1.25	Not Bailed	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	20.8	20.8	< 1	< 1	0	1000
10:25	WS13	3.72	0.93	DRY	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	20.7	20.7	< 1	< 1	0	1000
10:33	WS15	2.63	1.35	Not Bailed	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	20.5	20.5	< 1	< 1	0	999
10:37	WS16	3.85	0.32	DRY	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	20.2	20.2	< 1	< 1	0	999

Maximum	0.8	0.1	0	1.3	20.8	0	0	1000
Minimum	0.4	0.1	0	0.5	14.7	0	0	999

Background Readings		CH4	CO2	O2	CO	H2S
		< 0.1	< 0.1	20.9	< 1	< 1

General remark/ Observation
Boreholes WS01, WS03, WS07, WS08, WS13 and WS16 were flooded on arrival. Borehole were subsequently bailed dry and left to stabilise. Monitoring was undertaken after stabilisation.

Gas & Groundwater Monitoring Record

Site Name:	Lutterworth Road, Burbage
Undertaken by:	NB
Equipment Used:	Gas Data (GFM 436)
Atmospheric Pressure Trend	Static
Temperature:	14

Job Number:	PJSG21-58
Date:	23rd March 2022
Last Calibrated:	26th October 2021
Time of Works:	AM
Weather Conditions:	Clear, warm ,light breeze

Time	BH Ref.	Depth of BH (m)	Depth of Water (m) on arrival	Depth of Water (m) after bailing	Gas Flow (l/hr)		CH ₄ (% v/v)		CO ₂ (% v/v)		O (% v/v)		CO (ppm)	H ₂ S (ppm)	BH Pessure (Pa)	Atmospheric Pressure (mb)
					Peak	Steady	Peak	Steady	Peak	Steady	Low	Steady	Peak	Peak		
09:14	WS01	3.35	1.05	DRY	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1	20.7	20.7	< 1	< 1	0	1016
09:20	WS03	2.96	0.97	DRY	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1	20.7	20.7	< 1	< 1	0	1016
09:06	WS07	3.46	0.56	DRY	1.8	1.8	< 0.1	< 0.1	0.7	0.7	19.4	19.4	< 1	< 1	15	1016
09:28	WS08	3.45	0.33	DRY	< 0.1	< 0.1	< 0.1	< 0.1	0.9	0.9	15.2	15.2	< 1	< 1	0	1016
09:00	WS10	3.96	0.86	DRY	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1	21.2	21.2	< 1	< 1	0	1016
09:48	WS13	3.72	0.91	DRY	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8	17.5	17.5	< 1	< 1	0	1016
09:42	WS15	2.63	1.38	Not Bailed	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8	18.6	18.6	< 1	< 1	0	1016
09:36	WS16	3.85	0.32	DRY	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1	20.7	20.7	< 1	< 1	0	1016

Maximum	1.8	1.8	0	0.9	21.2	0	0	1016
Minimum	1.8	1.8	0	0.1	15.2	0	0	1016

Background Readings		CH4	CO2	O2	CO	H2S
		< 0.1	< 0.1	20.7	< 1	< 1

General remark/ Observation
Boreholes WS01, WS03, WS07, WS08, WS13 and WS16 were flooded on arrival. Borehole were subsequently bailed dry and left to stabilise. Monitoring was undertaken after stabilisation.



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