

CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

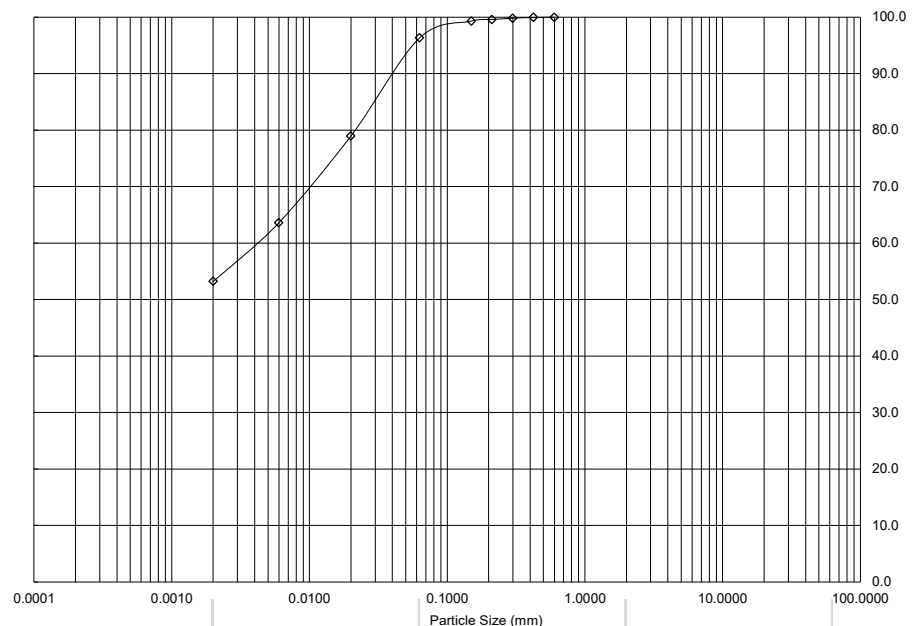
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH105	Sample Type/No. UT	40	Top Depth: 10.00 m	Bottom Depth: 10.45 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	99
0.063	96

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	79
0.006	64
0.002	53



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	3.7
Silt	43.1
Clay	53.2



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	16/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	26/10/2021	Date Approved:	22/12/2021
Date - sample testing completed :	06/11/2021		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

CONCEPT
47-49 Brunel Road, London W3 7XR
Tel: 02087401553
Email: lab@conceptconsultants.co.uk

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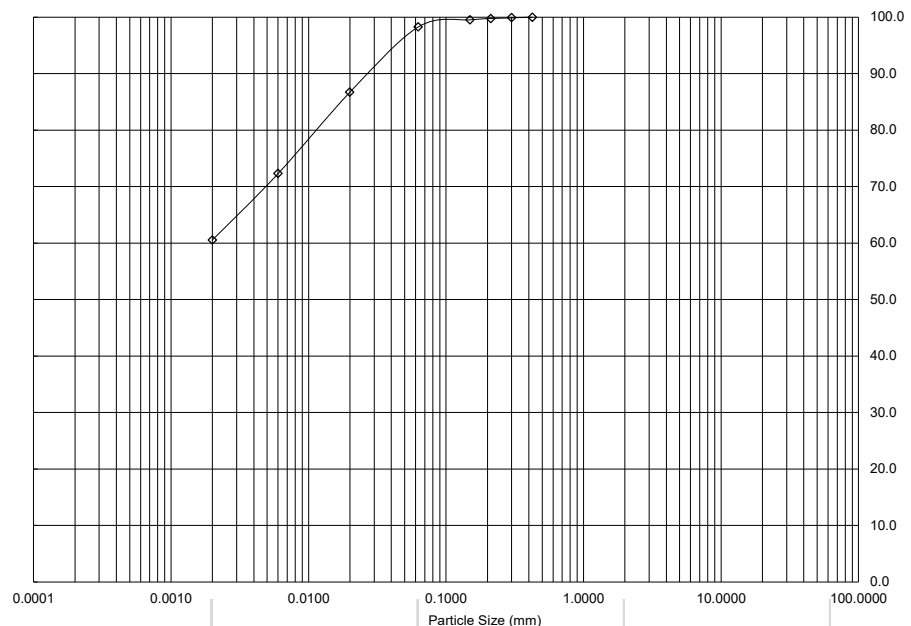
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH105	Sample Type/No. U	44	Top Depth: 11.00 m	Bottom Depth: 11.45 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	98

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	87
0.006	72
0.002	61



CLAY	F	M	C	F	M	C	F	M	C	GRAVEL	COBBLES

Method/type: Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.7
Silt	37.8
Clay	60.5



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received: 16/09/2021	
Date - sample testing commenced : 26/10/2021	Checked / Approved by: KM
Date - sample testing completed :	Date Approved: 22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)	

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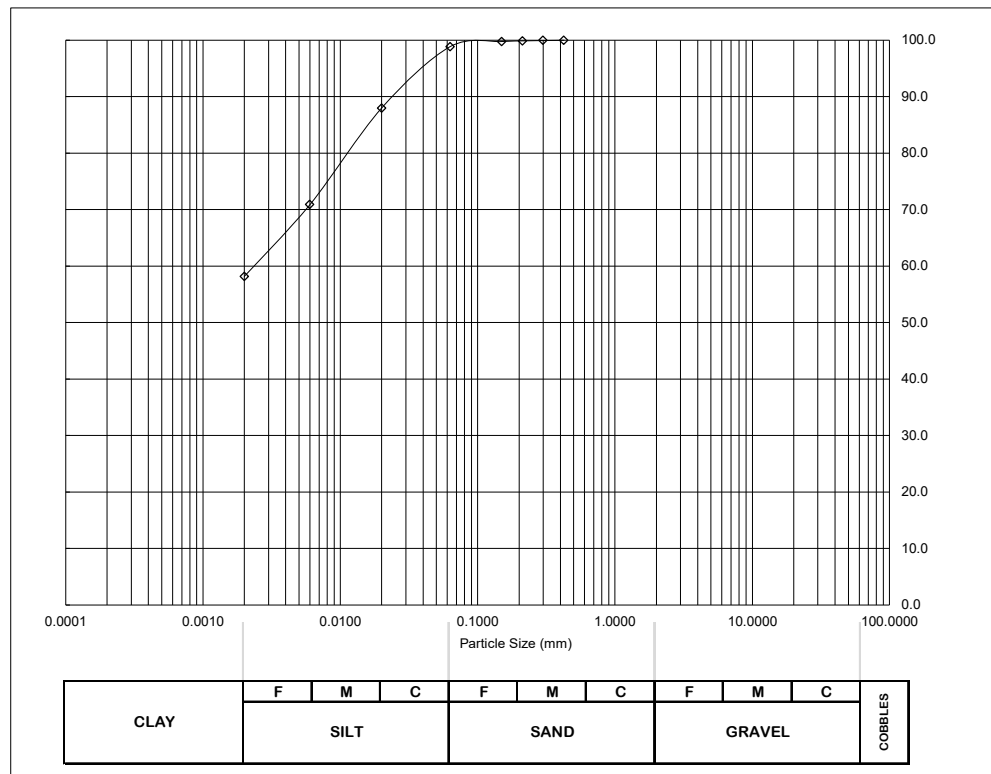
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH105	Sample Type/No.	UT 50
		Top Depth:	13.00 m
		Bottom Depth:	13.45 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pyrite nodules (<15mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	88
0.006	71
0.002	58



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.2
Silt	40.7
Clay	58.1



4503

Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	16/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	27/10/2021	Date Approved:	22/12/2021
Date - sample testing completed :	06/11/2021		

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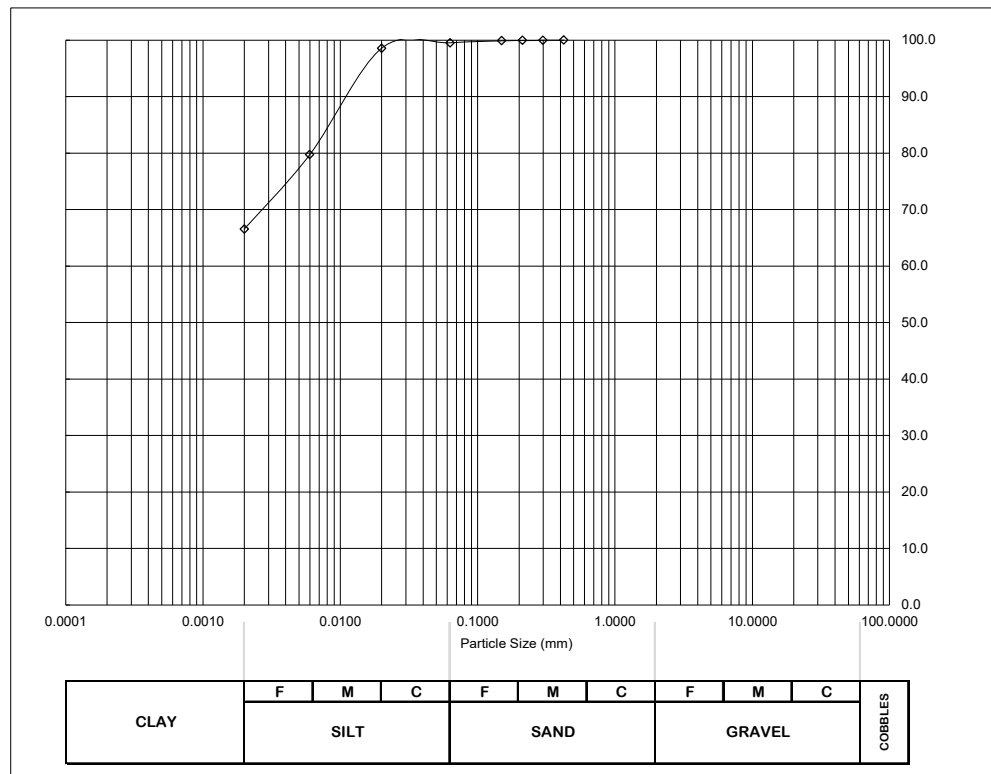
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH105	Sample Type/No. U	54	Top Depth: 14.00 m	Bottom Depth: 14.45 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<10mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	99
0.006	80
0.002	67



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.5
Silt	33.0
Clay	66.5



Remarks:

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Date - samples received:	16/09/2021	Checked / Approved by: KM Date Approved: 22/12/2021
Date - sample testing commenced :	27/10/2021	
Date - sample testing completed :	06/11/2021	
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)		

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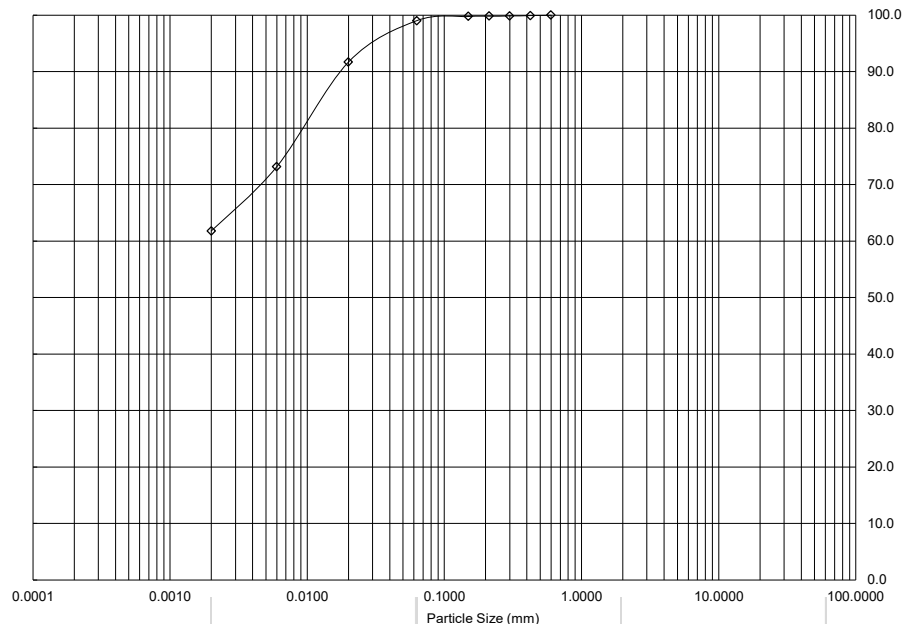
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH105	Sample Type/No. U	59	Top Depth: 15.50 m	Bottom Depth: 15.95 m	

Soil Description:

Stiff, dark grey slightly micaceous silty CLAY

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	92
0.006	73
0.002	62



CLAY	F	M	C	F	M	C	F	M	C	GRAVEL	COBBLES

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.0
Silt	37.2
Clay	61.8



Remarks:

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Date - samples received:	16/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	27/10/2021	Date Approved:	22/12/2021
Date - sample testing completed :	06/11/2021		

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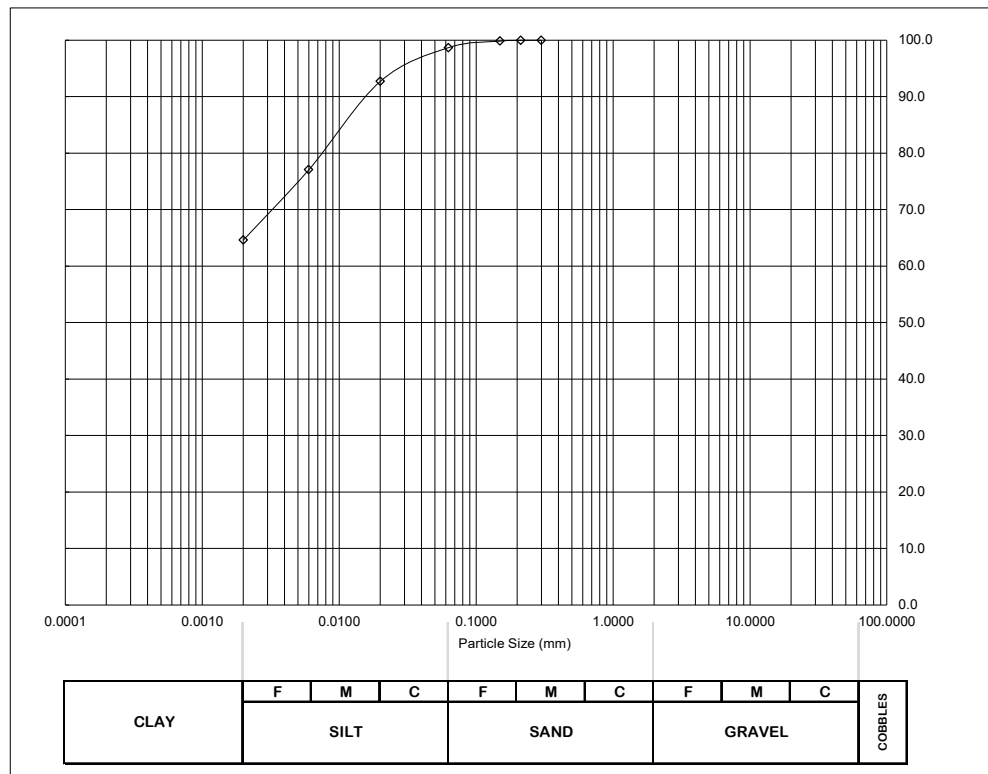
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH105	Sample Type/No.	U 64
		Top Depth:	17.00 m
		Bottom Depth:	17.45 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pyrite nodules (<5mm) and rare shell fragments (<5mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	93
0.006	77
0.002	65



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.3
Silt	34.1
Clay	64.6



Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

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Date - sample testing completed :	06/11/2021		

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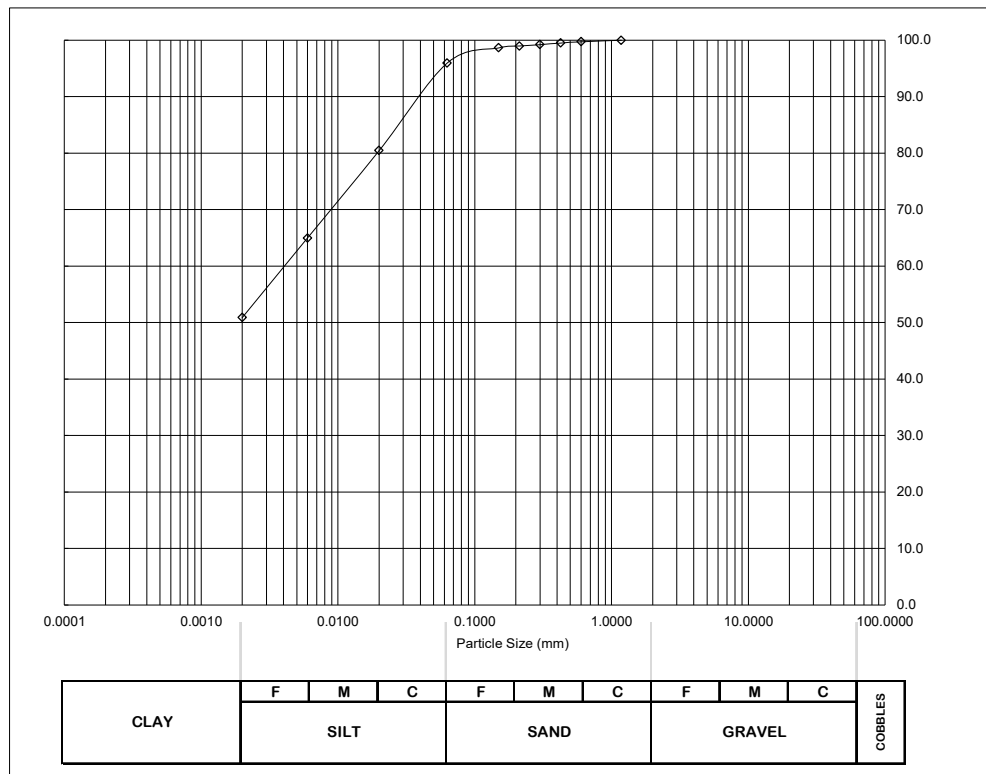
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH105	Sample Type/No. UT 65	Top Depth: 17.50 m		Bottom Depth: 17.95 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pyrite nodules (<20mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	99
0.300	99
0.212	99
0.150	99
0.063	96

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	80
0.006	65
0.002	51



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	4.1
Silt	45.1
Clay	50.9



Remarks:

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Date - sample testing commenced :	27/10/2021	Checked / Approved by:	KM
Date - sample testing completed :	06/11/2021	Date Approved:	22/12/2021
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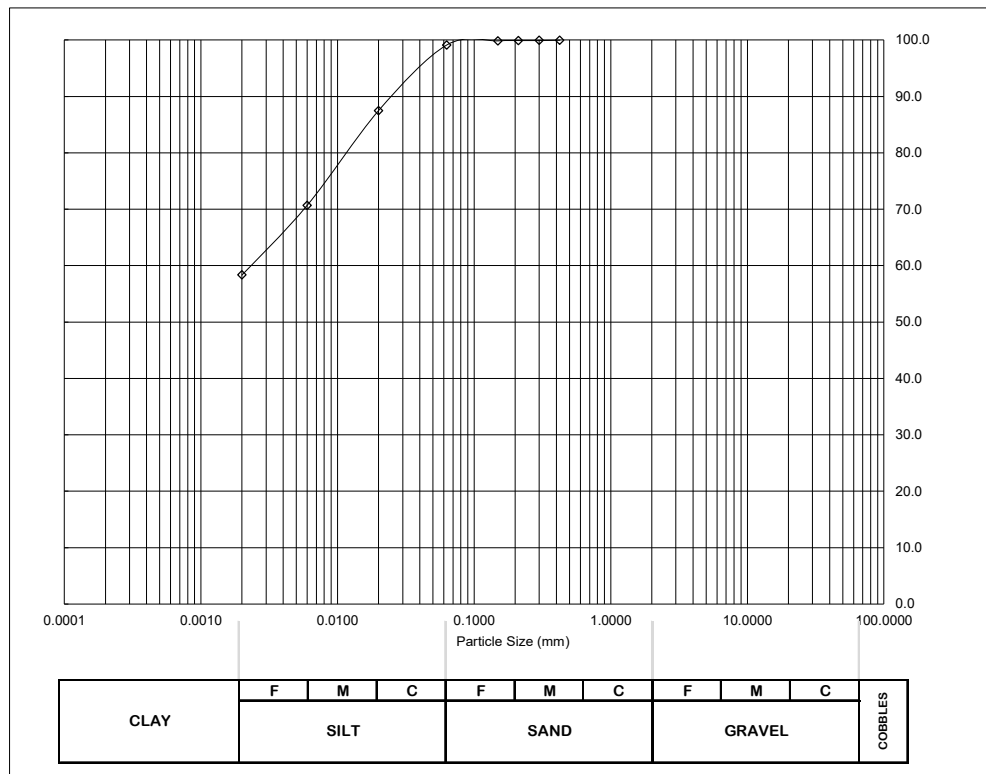
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH105	Sample Type/No.	U 74
		Top Depth:	20.00 m
		Bottom Depth:	20.45 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with occasional pyrite nodules (<10mm) and rare shell fragments (<5mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	87
0.006	71
0.002	58



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.9
Silt	40.8
Clay	58.3



Remarks:

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Date - samples received:	16/09/2021	Checked / Approved by:	KM
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Date - sample testing completed :	06/11/2021		
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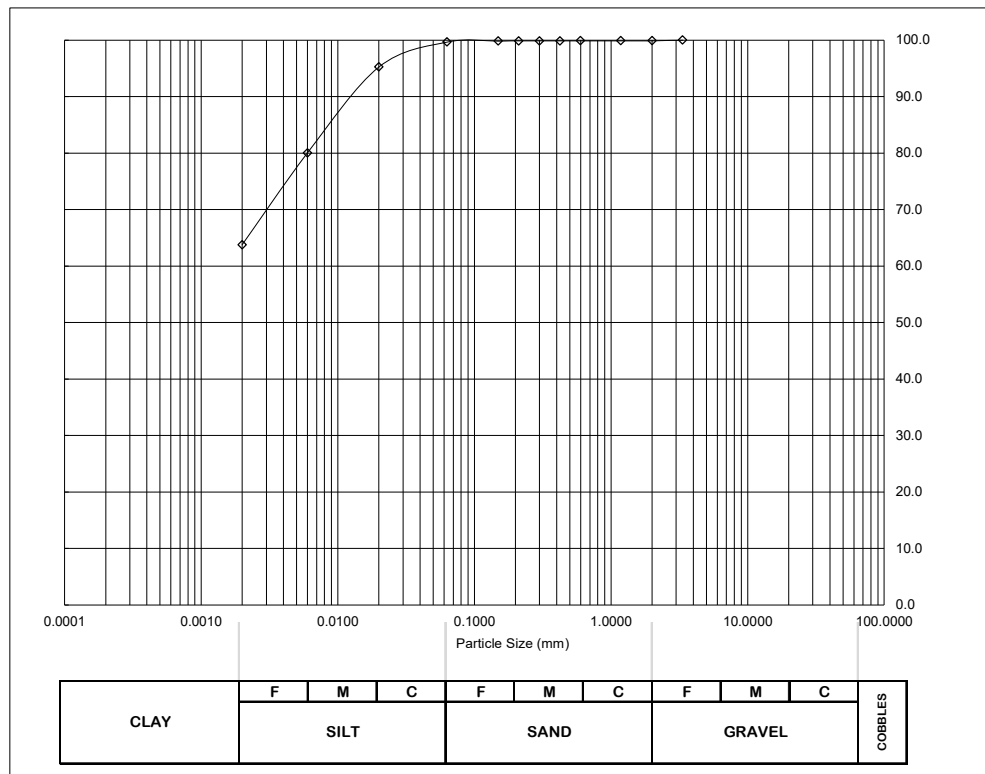
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH105	Sample Type/No.	U 79
		Top Depth:	21.50 m
		Bottom Depth:	21.95 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with occasional pyrite nodules (<15mm) and rare shell fragments (<5mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	95
0.006	80
0.002	64



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.1
Sand	0.2
Silt	35.9
Clay	63.8



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	16/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	27/10/2021	Date Approved:	22/12/2021
Date - sample testing completed :	06/11/2021		

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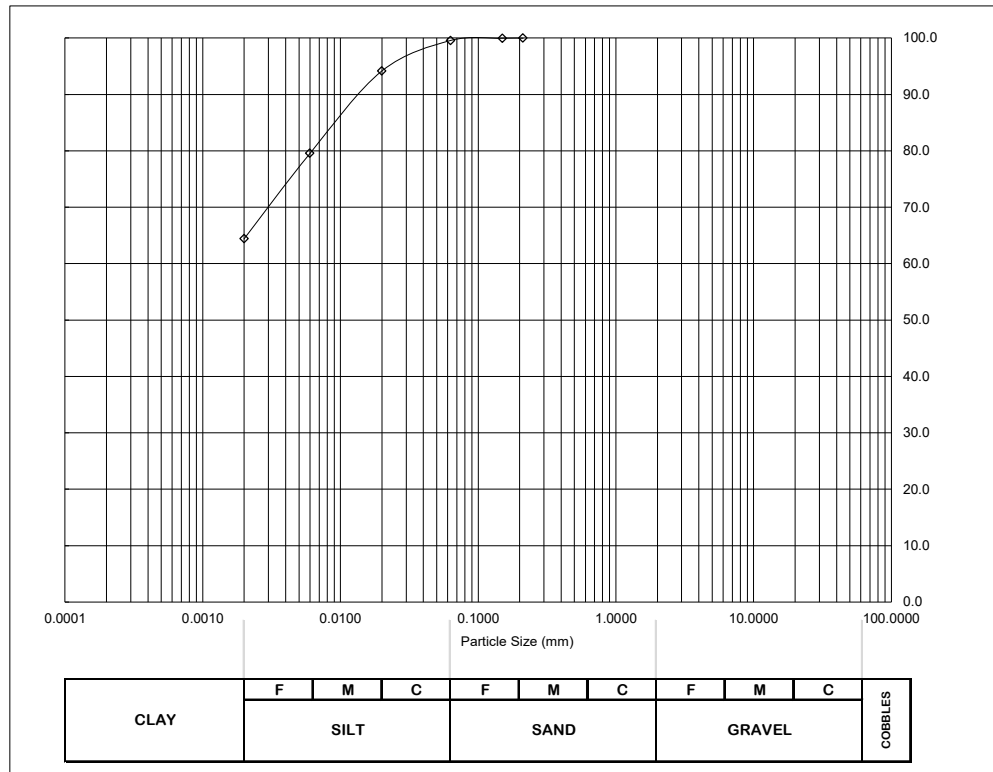
Site Name:		L4 Colt DCS Data Centre				Job Number:		21/3600			
Client:		HDCI Hayes London Limited				Date Reported:		12/01/2022			
Borehole No:		BH105	Sample Type/No.	UT	80	Top Depth:		22.00 m	Bottom Depth:		22.45 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pyrite nodules (<15mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	94
0.006	80
0.002	64



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.5
Silt	35.1
Clay	64.4



Remarks:

Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	16/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	27/10/2021	Date Approved:	22/12/2021
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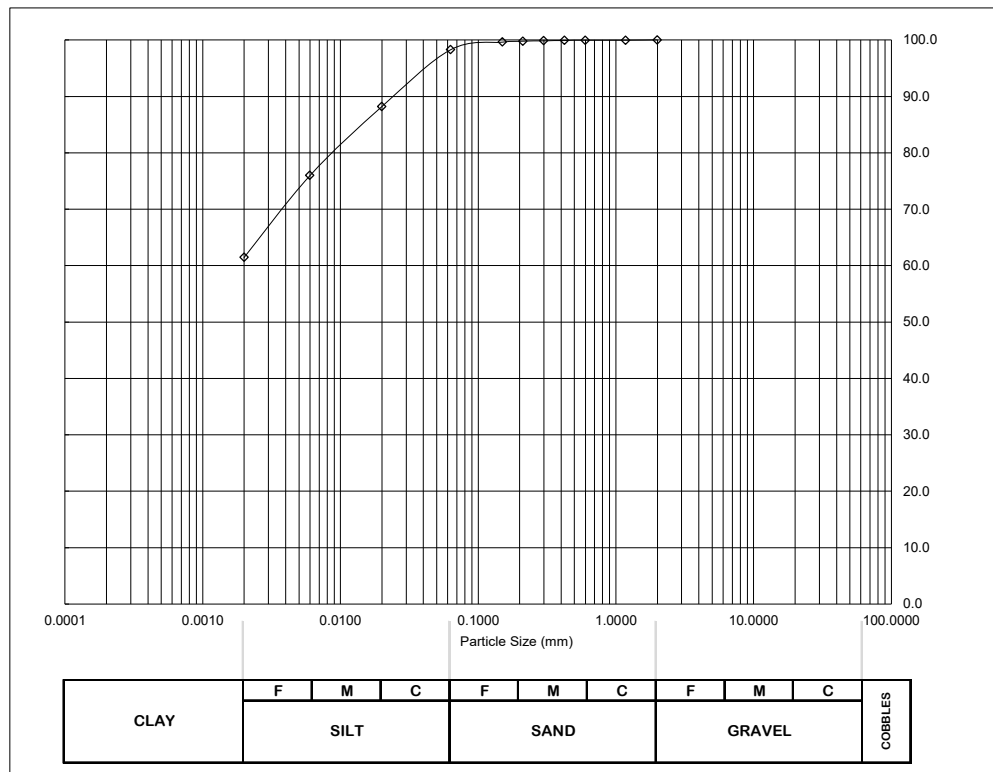
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH105	Sample Type/No.	U 89
		Top Depth:	24.50 m
		Bottom Depth:	24.95 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<5mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	98

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	88
0.006	76
0.002	61



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.7
Silt	36.8
Clay	61.4



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	16/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	27/10/2021	Date Approved:	22/12/2021
Date - sample testing completed :	11/11/2021		
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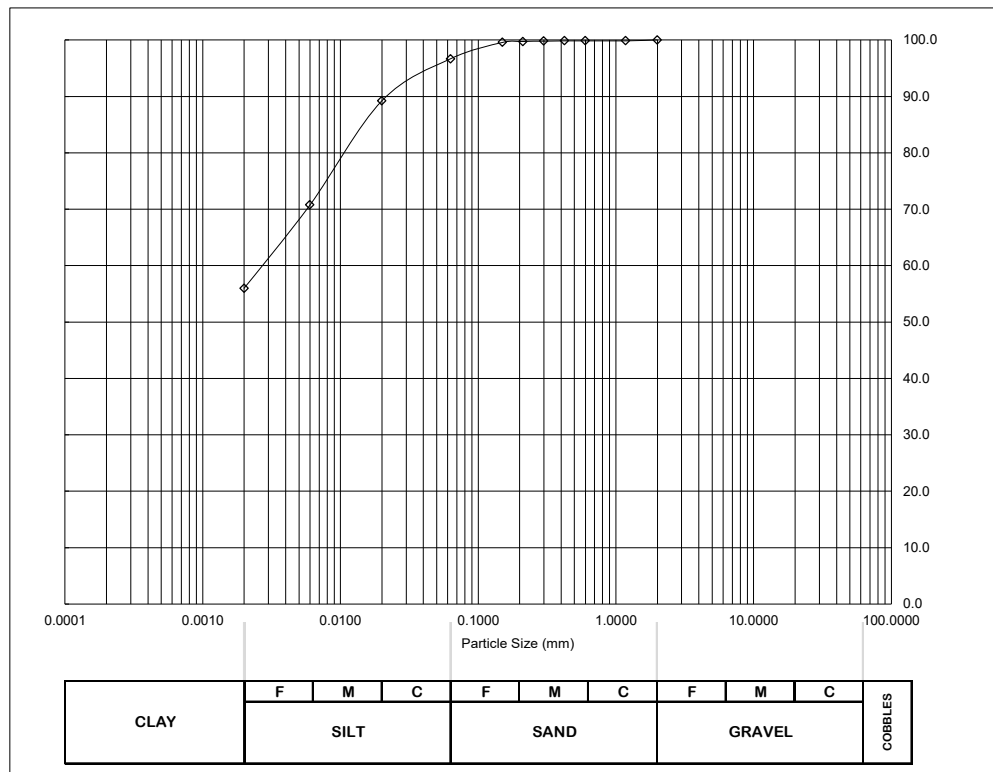
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH105	Sample Type/No.	U 94
		Top Depth:	26.00 m
		Bottom Depth:	26.45 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pockets of silty sand (<50mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	97

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	89
0.006	71
0.002	56



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	3.3
Silt	40.7
Clay	56.0



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	16/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	27/10/2021	Date Approved:	22/12/2021
Date - sample testing completed :	11/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

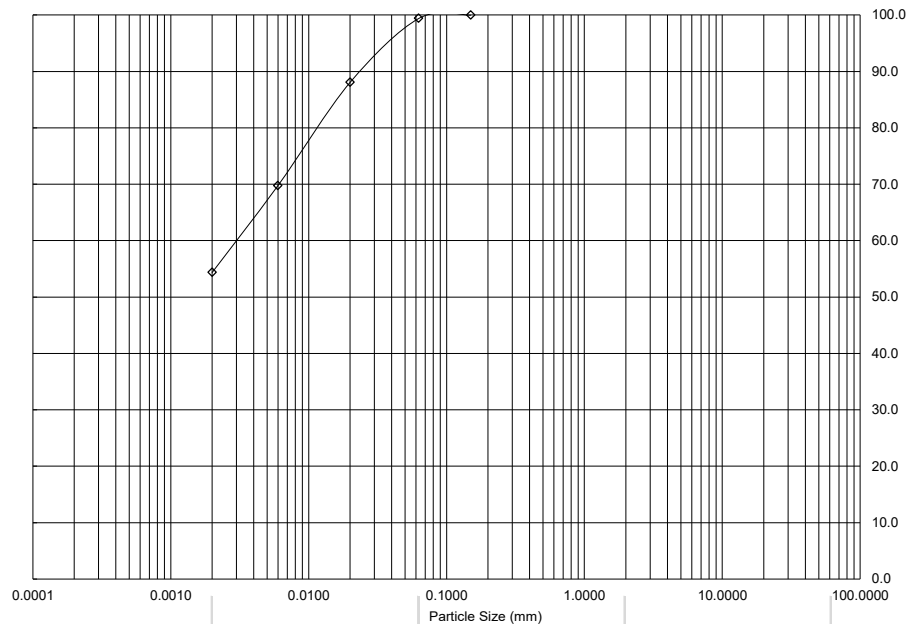
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCl Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH105	Sample Type/No. UT 96	Top Depth: 26.50 m		Bottom Depth: 26.95 m	

Soil Description:

Very stiff, extremely closely fissured dark grey mottled reddish orange slightly micaceous silty CLAY with occasional pockets of silty sand (<30mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	88
0.006	70
0.002	54



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.6
Silt	45.0
Clay	54.4



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	16/09/2021		
Date - sample testing commenced :	27/10/2021	Checked / Approved by:	KM
Date - sample testing completed :	11/11/2021	Date Approved:	22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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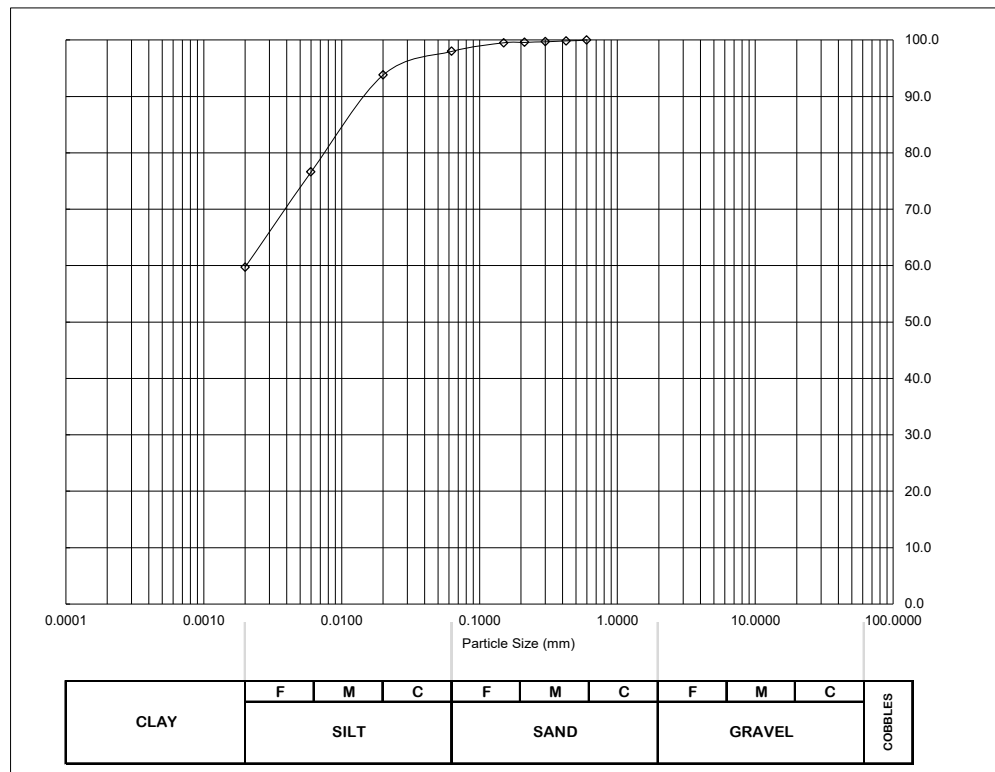
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCl Hayes London Limited			Date Reported: 12/01/2022	
Borehole No: BH105	Sample Type/No. U 104	Top Depth: 29.00 m	Bottom Depth: 29.45 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with occasional partings (<1mm) of silty sand

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	99
0.063	98

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	94
0.006	77
0.002	60



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	2.0
Silt	38.3
Clay	59.7



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	16/09/2021	Checked / Approved by: KM Date Approved: 22/12/2021
Date - sample testing commenced :	27/10/2021	
Date - sample testing completed :	11/11/2021	
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)		

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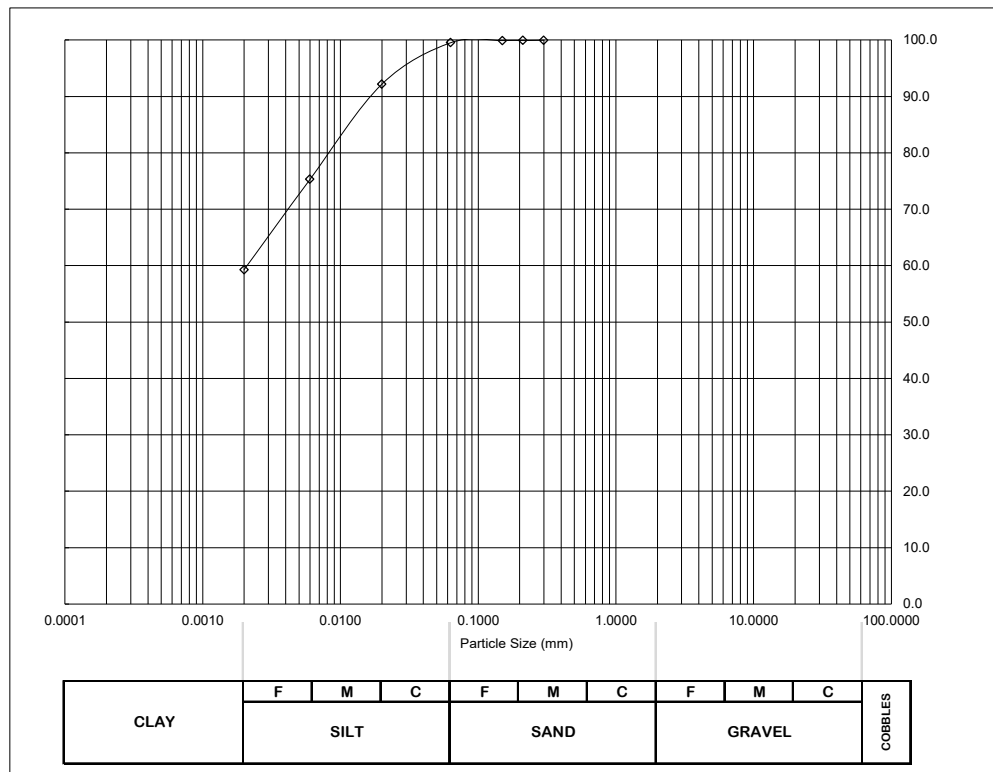
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCl Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH105	Sample Type/No. UT 111	Top Depth: 31.00 m		Bottom Depth: 31.45 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare partings of silty sand (<1mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	92
0.006	75
0.002	59



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.5
Silt	40.3
Clay	59.3



Remarks:

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Date - samples received:	16/09/2021		
Date - sample testing commenced :	27/10/2021	Checked / Approved by:	KM
Date - sample testing completed :	11/11/2021	Date Approved:	22/12/2021
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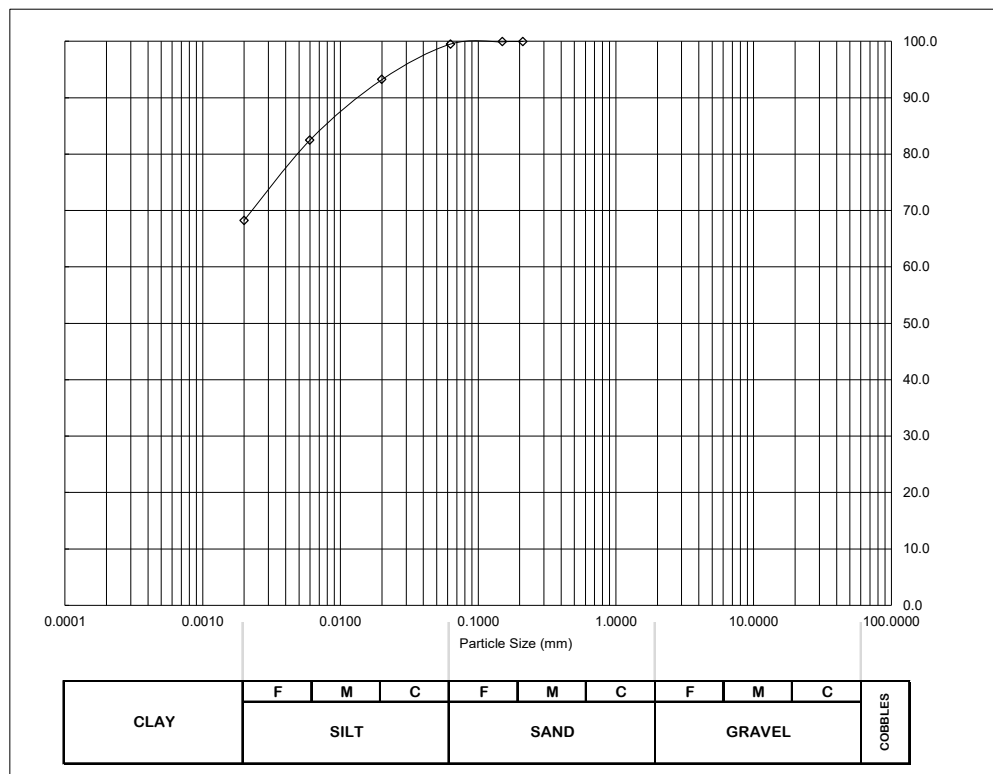
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCI Hayes London Limited			Date Reported: 12/01/2022	
Borehole No: BH105	Sample Type/No. UT 116	Top Depth: 32.50 m	Bottom Depth: 32.95 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with occasional partings of silty sand (<1mm) and rare shell fragments (<5mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	93
0.006	82
0.002	68



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.5
Silt	31.2
Clay	68.2



4503

Remarks:

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Date - samples received:	16/09/2021	Checked / Approved by:	KM
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Date - sample testing completed :	11/11/2021		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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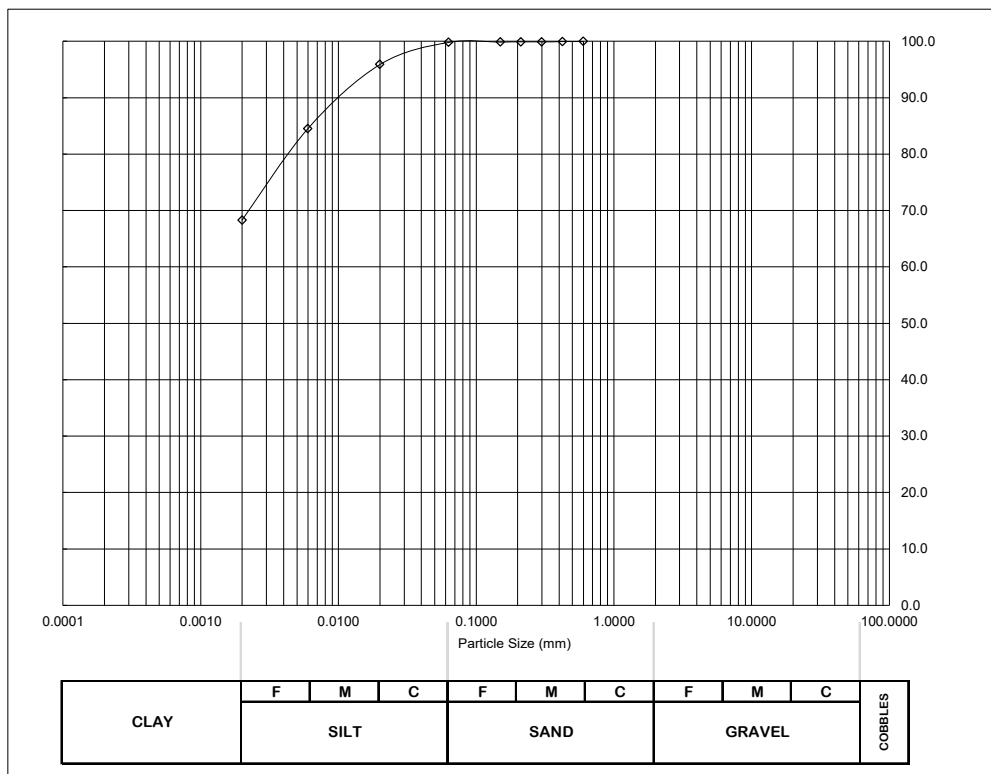
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCl Hayes London Limited			Date Reported: 12/01/2022	
Borehole No: BH105	Sample Type/No. U 124	Top Depth: 35.00 m	Bottom Depth: 35.45 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with a band of claystone between 35.16 and 35.18m

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	96
0.006	85
0.002	68



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.2
Silt	31.5
Clay	68.3



Remarks: Sample tested below 35.18m depth

The results reported relate only to the items tested or sampled.

Date - samples received: 16/09/2021		
Date - sample testing commenced : 27/10/2021	Checked / Approved by: KM	
Date - sample testing completed : 11/11/2021	Date Approved: 22/12/2021	
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)		

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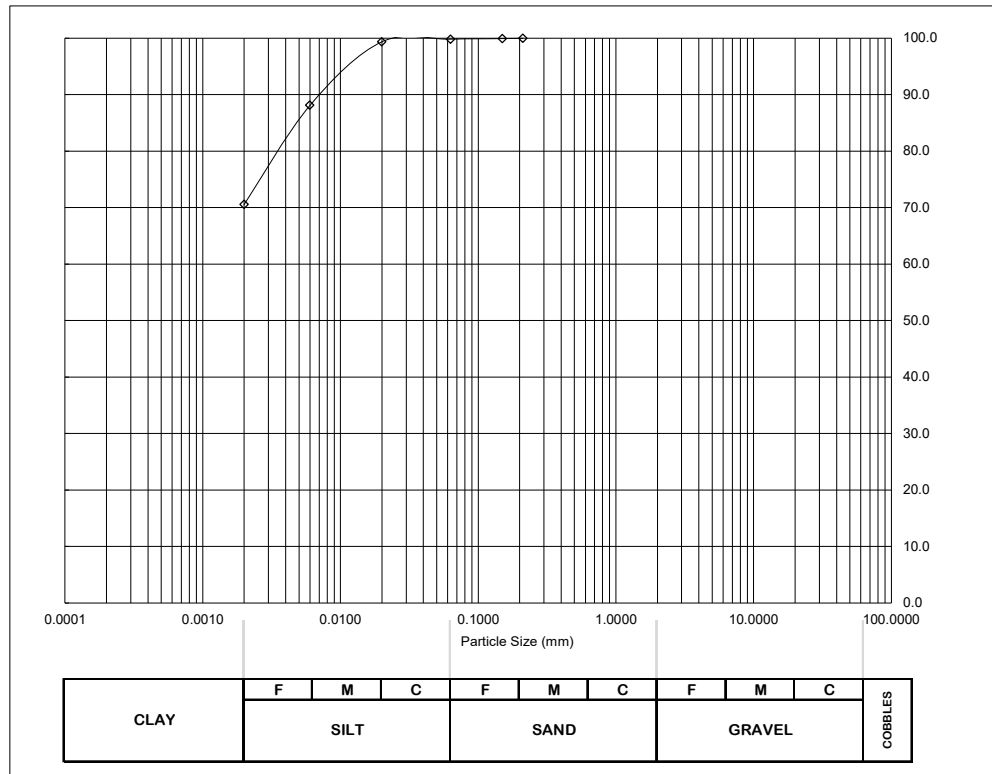
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH105	Sample Type/No. UT	126	Top Depth: 35.50 m	Bottom Depth: 35.95 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare partings of silty sand (<1mm) and 1No 20mm pocket of pyrite nodules (<5mm) at 35.59m

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	99
0.006	88
0.002	71



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.2
Silt	29.3
Clay	70.5



4503

Remarks:

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Date - samples received:	16/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	27/10/2021	Date Approved:	22/12/2021
Date - sample testing completed :	11/11/2021		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

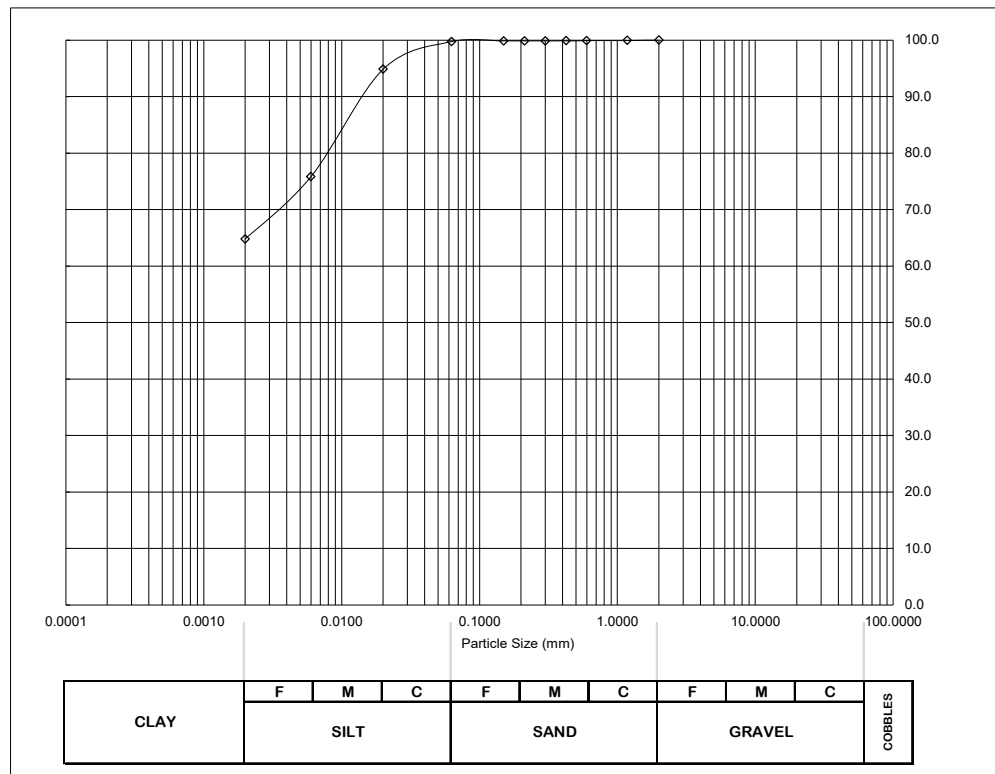
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH105	Sample Type/No.	UT 131
		Top Depth:	37.00 m
		Bottom Depth:	37.45 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pyrite nodules (<5mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	95
0.006	76
0.002	65



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.3
Silt	34.9
Clay	64.8



4503

Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	16/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	27/10/2021	Date Approved:	22/12/2021
Date - sample testing completed :	11/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

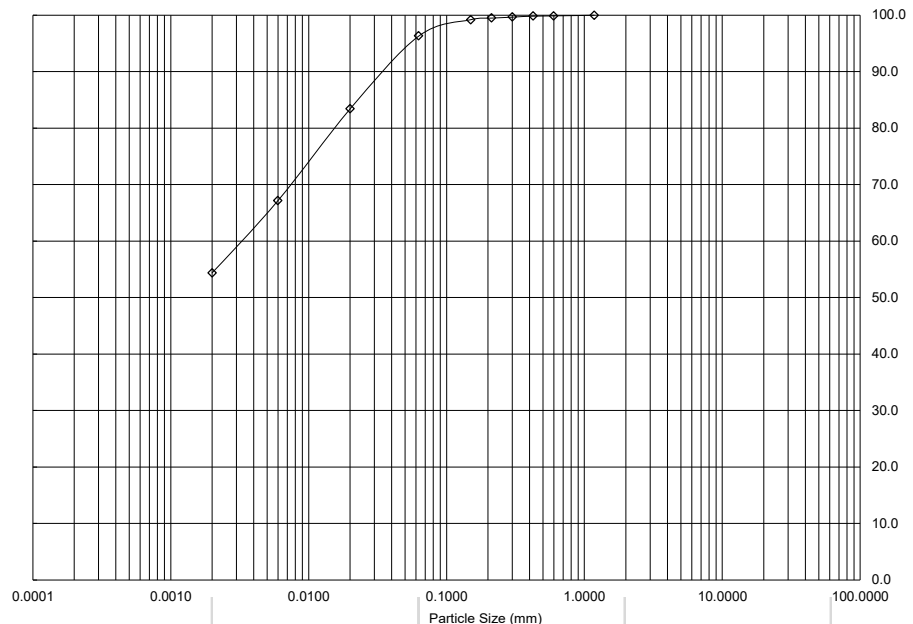
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH105	Sample Type/No. U	139	Top Depth: 39.50 m	Bottom Depth: 39.95 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with occasional shell fragments (<5mm) and rare partings of silty sand (<1mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	99
0.150	99
0.063	96

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	83
0.006	67
0.002	54



CLAY	F	M	C	F	M	C	F	M	C	GRAVEL	COBBLES
	SILT			SAND							

Method/type: Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	3.7
Silt	42.0
Clay	54.4



Remarks:

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Date - samples received: 16/09/2021		
Date - sample testing commenced: 27/10/2021	Checked / Approved by: KM	
Date - sample testing completed: 11/11/2021	Date Approved: 22/12/2021	
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)		

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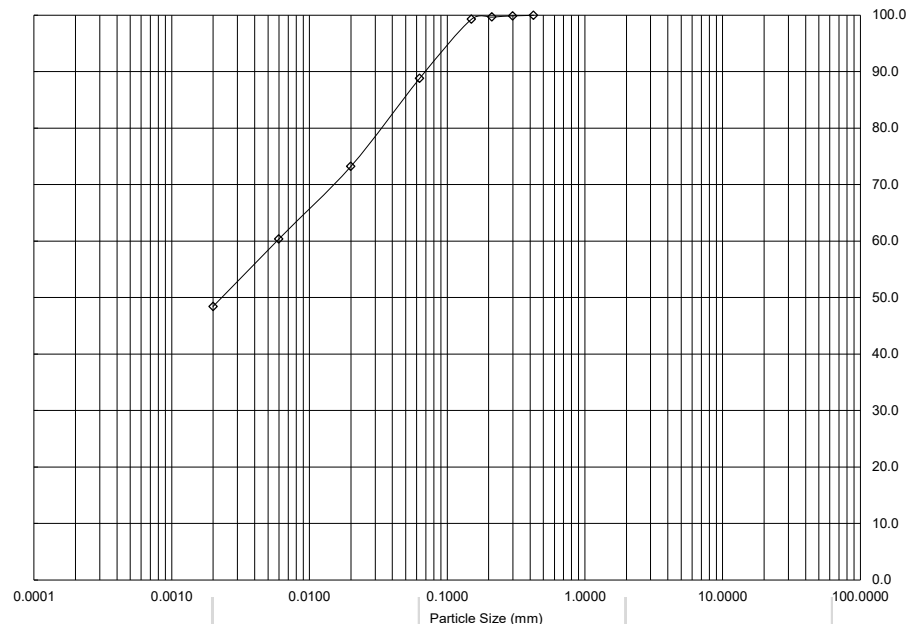
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCI Hayes London Limited			Date Reported: 12/01/2022	
Borehole No: BH105	Sample Type/No. U 144	Top Depth: 41.00 m	Bottom Depth: 41.45 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	99
0.063	89

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	73
0.006	60
0.002	48



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	11.2
Silt	40.3
Clay	48.4



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	16/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	27/10/2021	Date Approved:	22/12/2021
Date - sample testing completed :	11/11/2021		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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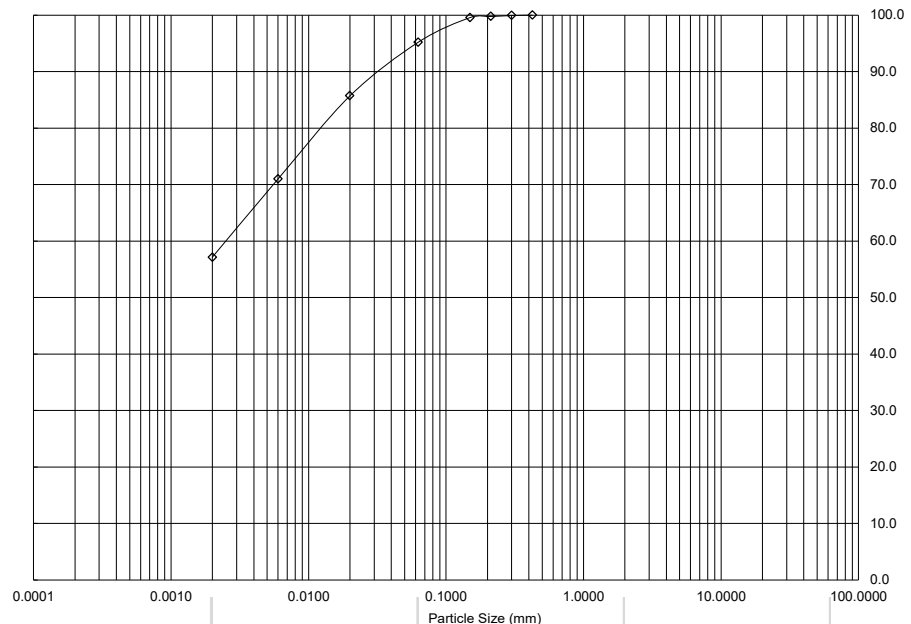
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCl Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH105	Sample Type/No. UT	146	Top Depth: 41.50 m	Bottom Depth: 41.95 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with occasional pyrite nodules (<10mm) and occasional pockets of silty sand (<40mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	95

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	86
0.006	71
0.002	57



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	4.8
Silt	38.1
Clay	57.1



Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	16/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	27/10/2021	Date Approved:	22/12/2021
Date - sample testing completed :	11/11/2021		
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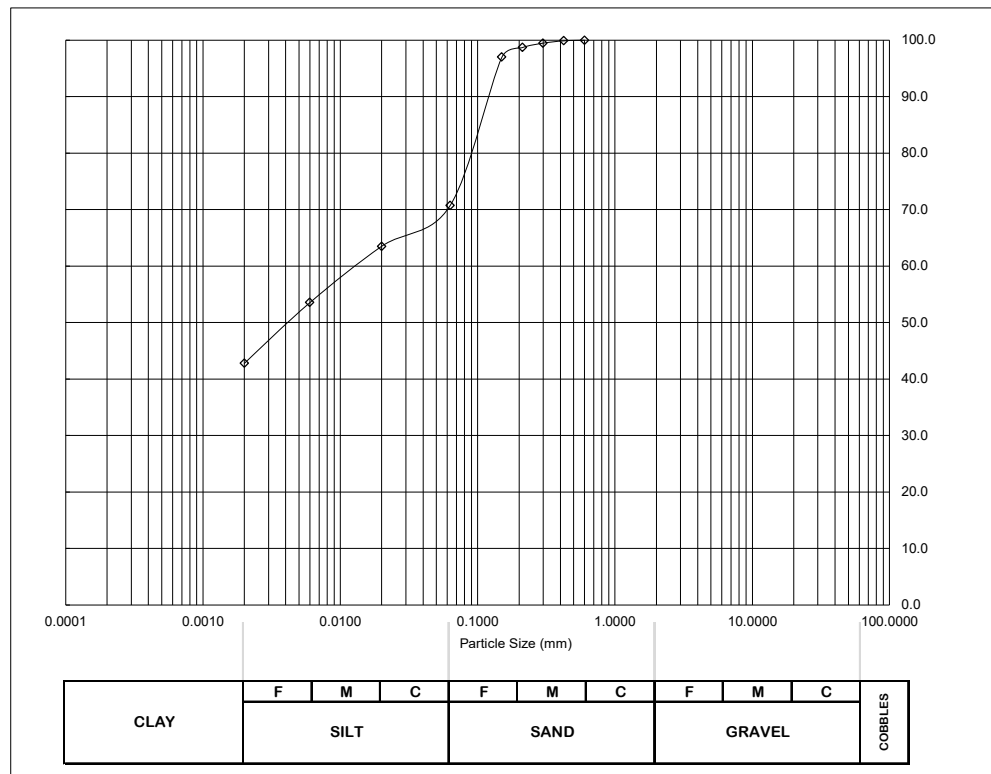
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCI Hayes London Limited			Date Reported: 12/01/2022	
Borehole No: BH105	Sample Type/No. U 149	Top Depth: 42.50 m	Bottom Depth: 42.95 m	

Soil Description:

Very stiff, dark grey slightly micaceous sandy silty CLAY with rare pyrite nodules (<5mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	99
0.212	99
0.150	97
0.063	71

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	63
0.006	54
0.002	43



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	29.3
Silt	27.9
Clay	42.8



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	16/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	27/10/2021	Date Approved:	22/12/2021
Date - sample testing completed :	11/11/2021		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

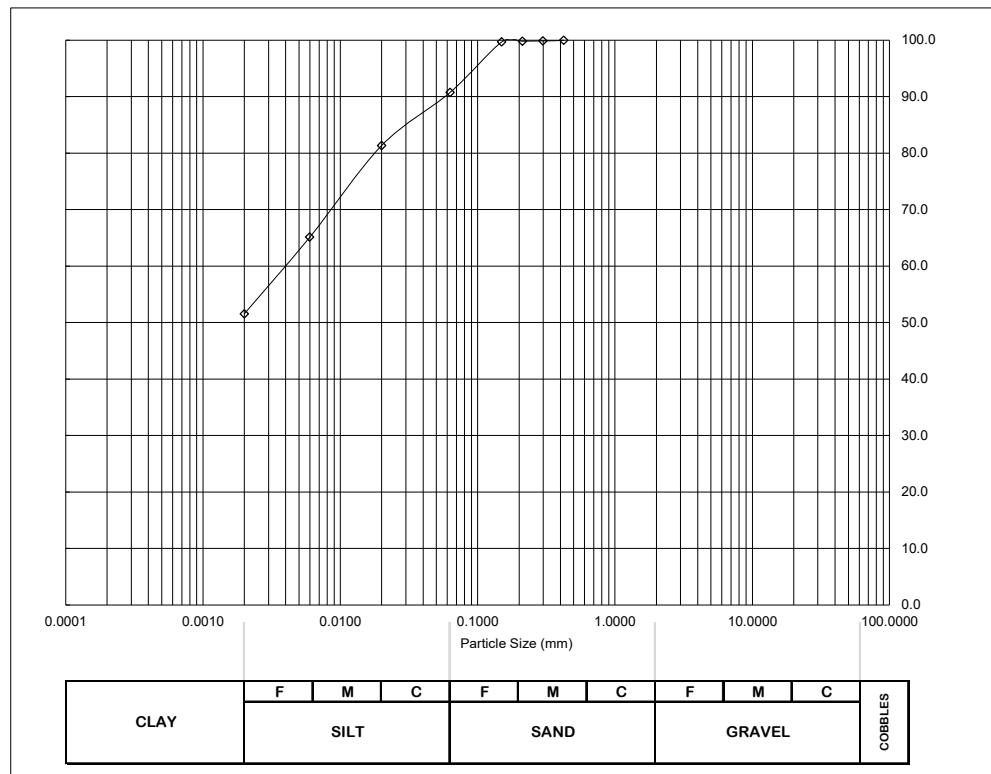
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH105	Sample Type/No. UT	156	Top Depth: 44.50 m	Bottom Depth: 44.95 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with rare pyrite nodules (<10mm), occasional pockets of silty sand (<40mm) and rare shell fragments (<5mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	91

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	81
0.006	65
0.002	52



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	9.3
Silt	39.2
Clay	51.5



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	16/09/2021		
Date - sample testing commenced :	27/10/2021	Checked / Approved by:	KM
Date - sample testing completed :	11/11/2021	Date Approved:	22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

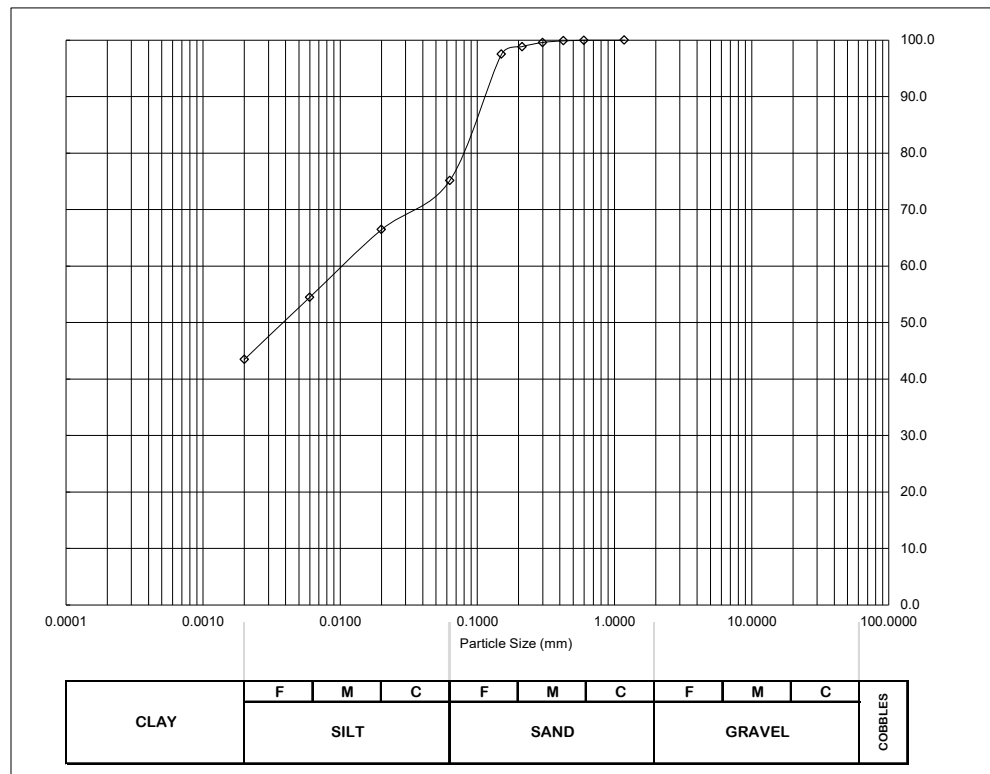
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH105	Sample Type/No. U	159	Top Depth: 45.50 m	Bottom Depth: 45.90 m	

Soil Description:

Very stiff, dark grey slightly micaceous sandy silty CLAY with occasional pockets of silty sand (<40mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	99
0.150	98
0.063	75

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	66
0.006	54
0.002	43



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	24.9
Silt	31.7
Clay	43.4



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	16/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	27/10/2021	Date Approved:	22/12/2021
Date - sample testing completed :	11/11/2021		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION

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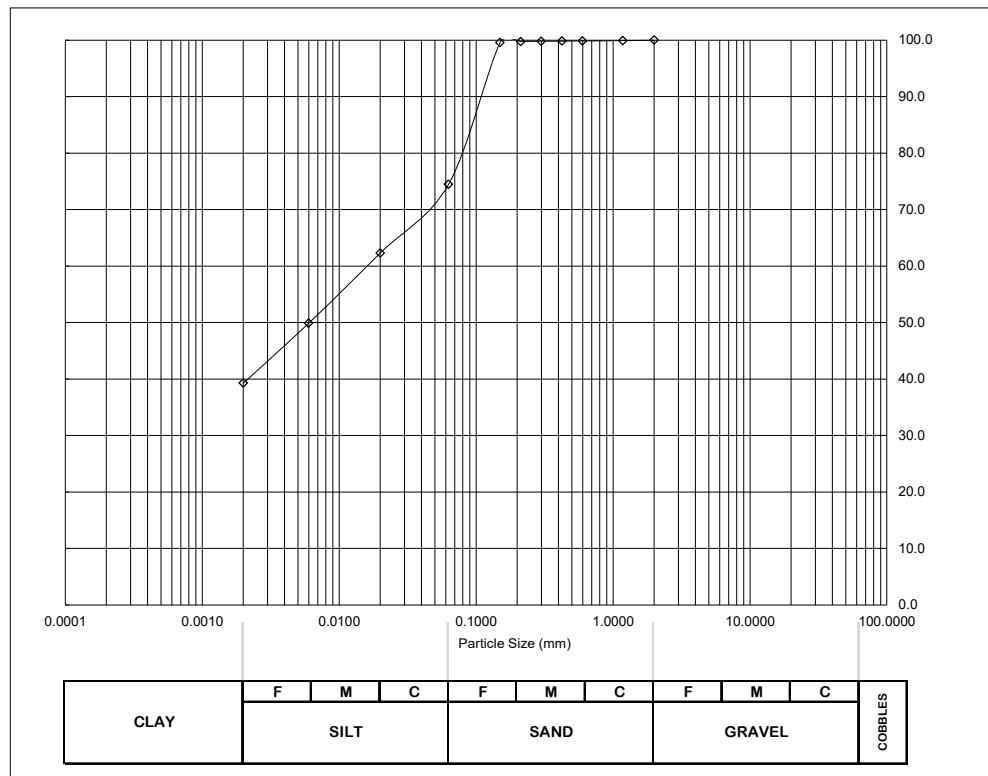
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH105	Sample Type/No. UT 161	Top Depth: 46.00 m		Bottom Depth: 46.45 m	

Soil Description:

Very stiff, dark grey slightly sandy slightly micaceous silty CLAY with occasional shell fragments (<5mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	74

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	62
0.006	50
0.002	39



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	25.5
Silt	35.2
Clay	39.3



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	16/09/2021		
Date - sample testing commenced :	27/10/2021	Checked / Approved by:	KM
Date - sample testing completed :	11/11/2021	Date Approved:	22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

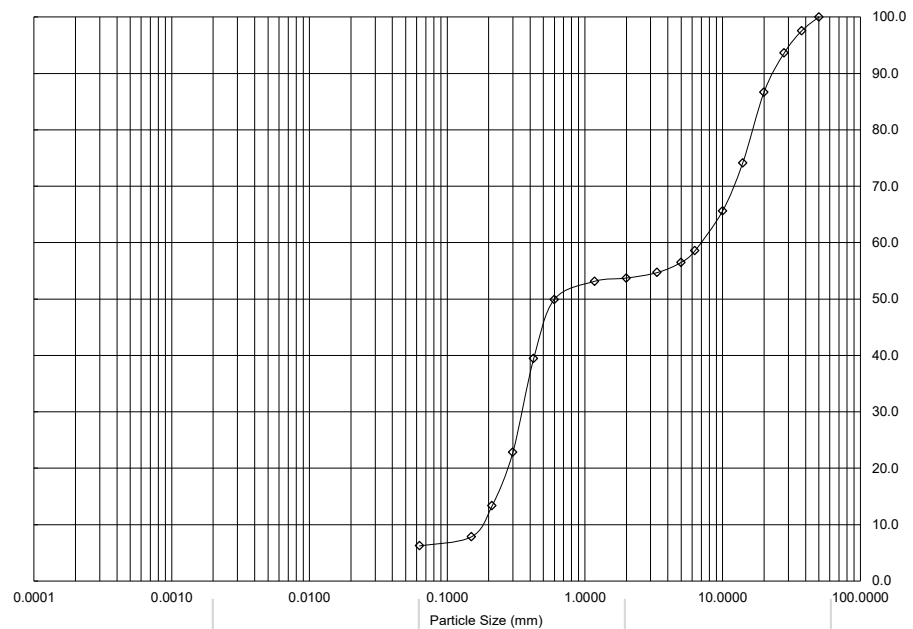
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCI Hayes London Limited			Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. B 5	Top Depth: 0.90 m	Bottom Depth: 1.20 m	

Soil Description:

Brown clayey fine to coarse SAND and flint GRAVEL

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	98
28.000	94
20.000	87
14.000	74
10.000	66
6.300	59
5.000	56
3.350	55
2.000	54
1.180	53
0.600	50
0.425	39
0.300	23
0.212	13
0.150	8
0.063	6

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	
0.006	
0.002	



Method/type: Wet Sieving BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.

Particle Proportions %	
Cobbles	
Gravel	46.3
Sand	47.5
Silt and Clay	6.2



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received: 03/09/2022	
Date - sample testing commenced : 25/10/2021	Checked / Approved by: KM
Date - sample testing completed : 15/11/2021	Date Approved: 22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)	

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PARTICLE SIZE DISTRIBUTION TEST

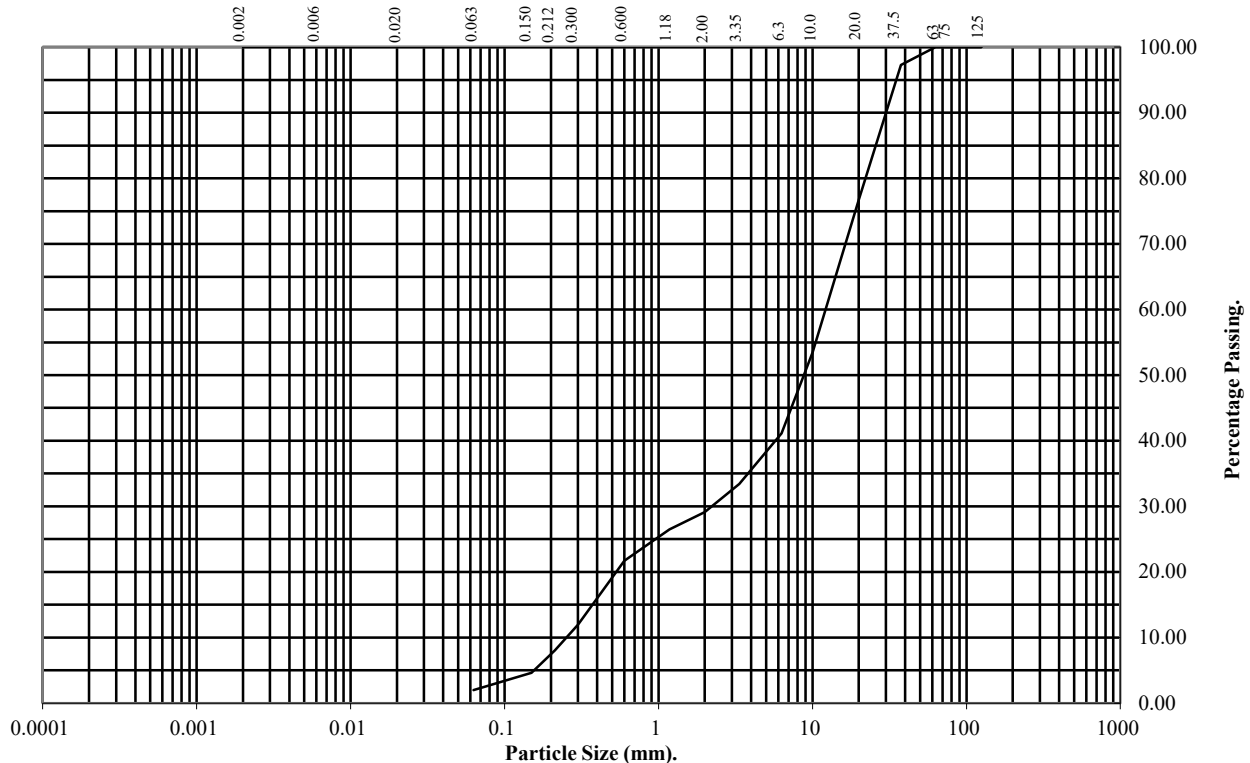
BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

Hole Number: BH106 Top Depth (m): 2.50

Sample Number: AMAL Base Depth(m): 5.00

Sample Type: B



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	97
20	77
10	53
6.3	41
3.35	33
2	29
1.18	26
0.6	22
0.3	12
0.212	8
0.15	5
0.063	2

Soil Fraction	Total Percentage
Cobbles	0
Gravel	71
Sand	27
Silt/Clay	2

Remarks:

See Summary of Soil Descriptions



PSL
Professional Soils Laboratory

L4 Colt DCS Data Centre

Contract No:
PSL21/8784
Client Ref:
21/3600

CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

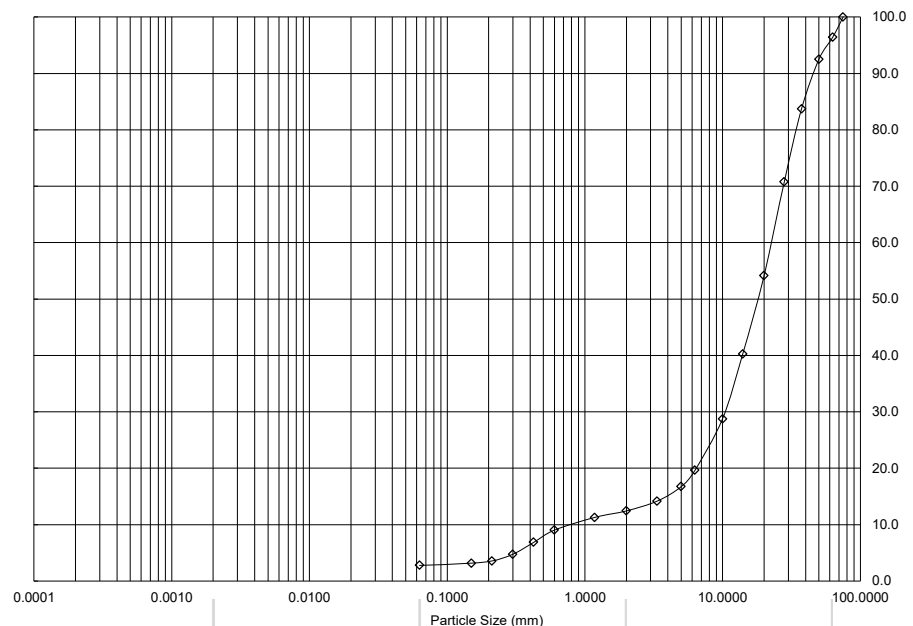
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCI Hayes London Limited			Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. B 14	Top Depth: 6.00 m	Bottom Depth: 6.50 m	

Soil Description:

Brown sandy fine to coarse flint GRAVEL with rare pockets of clay and low cobble content

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	96
50.000	92
37.500	84
28.000	71
20.000	54
14.000	40
10.000	29
6.300	20
5.000	17
3.350	14
2.000	12
1.180	11
0.600	9
0.425	7
0.300	5
0.212	4
0.150	3
0.063	3

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	
0.006	
0.002	



Method/type: Wet Sieving BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.

Particle Proportions %	
Cobbles	3.6
Gravel	84.0
Sand	9.6
Silt and Clay	2.8



Remarks:

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Date - samples received: 03/09/2022	
Date - sample testing commenced : 25/10/2021	Checked / Approved by: KM
Date - sample testing completed : 15/11/2021	Date Approved: 22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)	

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

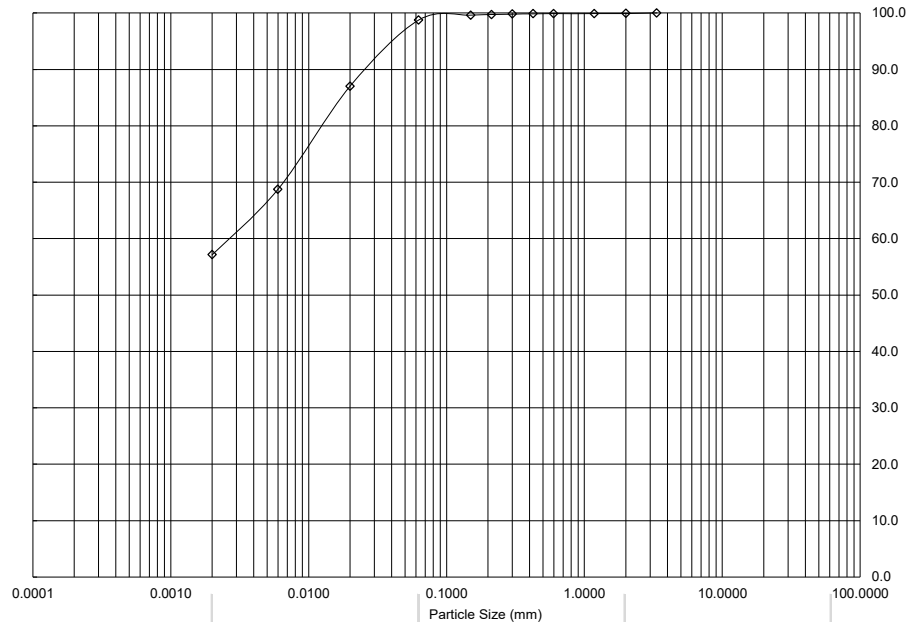
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. U	18	Top Depth: 7.00 m	Bottom Depth: 7.45 m	

Soil Description:

Stiff, extremely closely fissured dark greyish brown slightly sandy slightly micaceous silty CLAY with 1No pocket (<40mm) of claystone fragments at 7.25m and rare shell fragments (<10mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	87
0.006	69
0.002	57



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.1
Sand	1.2
Silt	41.6
Clay	57.1



Remarks: Sample tested between 7.00 and 7.25m

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2022	Checked / Approved by:	KM
Date - sample testing commenced :	25/10/2021	Date Approved:	22/12/2021
Date - sample testing completed :	15/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

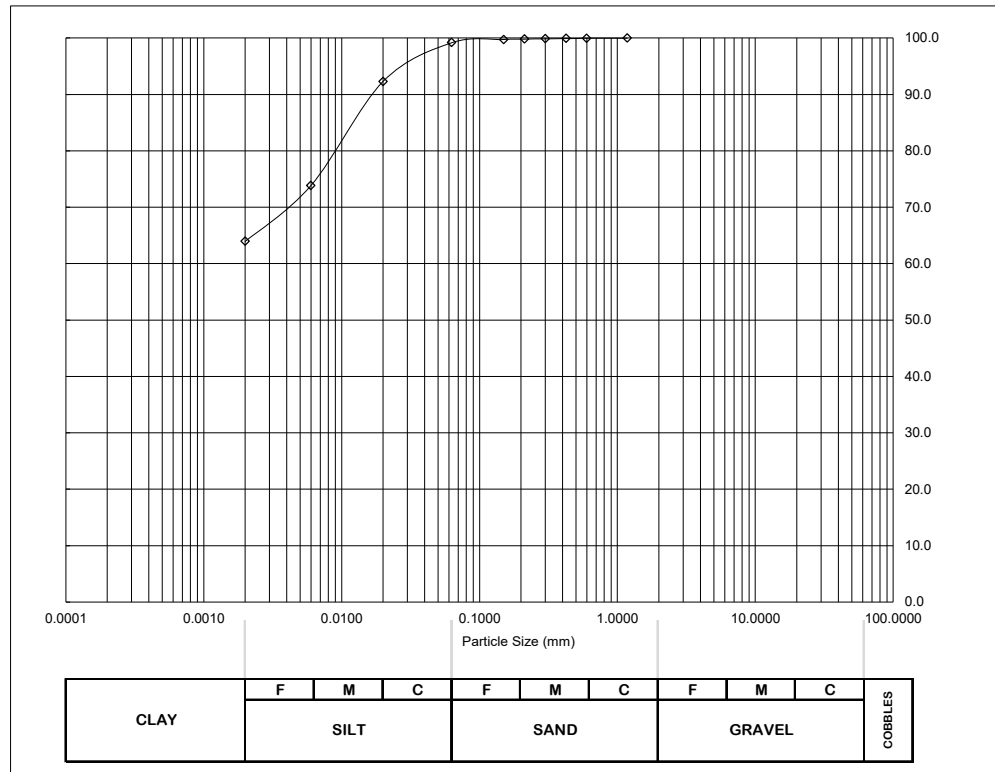
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH106	Sample Type/No.	UT 20
		Top Depth:	7.50 m
		Bottom Depth:	7.95 m

Soil Description:

Stiff, very closely fissure dark greyish brown slightly micaceous silty CLAY with occasional pyrite nodules (<10mm), rare shell fragments (<5mm) and 1No pocket of claystone fragments (<50mm) at 7.67m

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	92
0.006	74
0.002	64



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.8
Silt	35.2
Clay	64.0



Remarks: Sample tested between 7.50 and 7.67m

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2022	Checked / Approved by:	KM
Date - sample testing commenced :	25/10/2021	Date Approved:	22/12/2021
Date - sample testing completed :	15/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

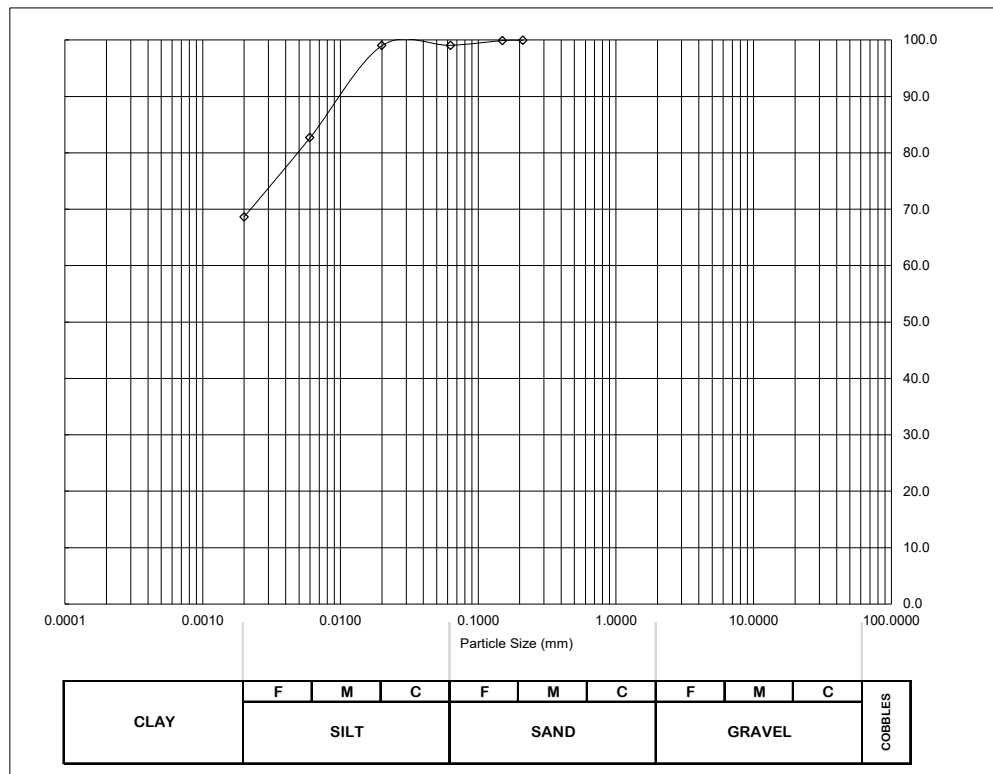
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. U	23	Top Depth: 8.50 m	Bottom Depth: 8.90 m	

Soil Description:

Very stiff, dark brown slightly micaceous silty CLAY with occasional pyrite nodules

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	99
0.006	83
0.002	69



Method/type: Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.9
Silt	30.4
Clay	68.6



Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received: 03/09/2022	
Date - sample testing commenced : 25/10/2021	Checked / Approved by: KM
Date - sample testing completed : 15/11/2021	Date Approved: 22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)	

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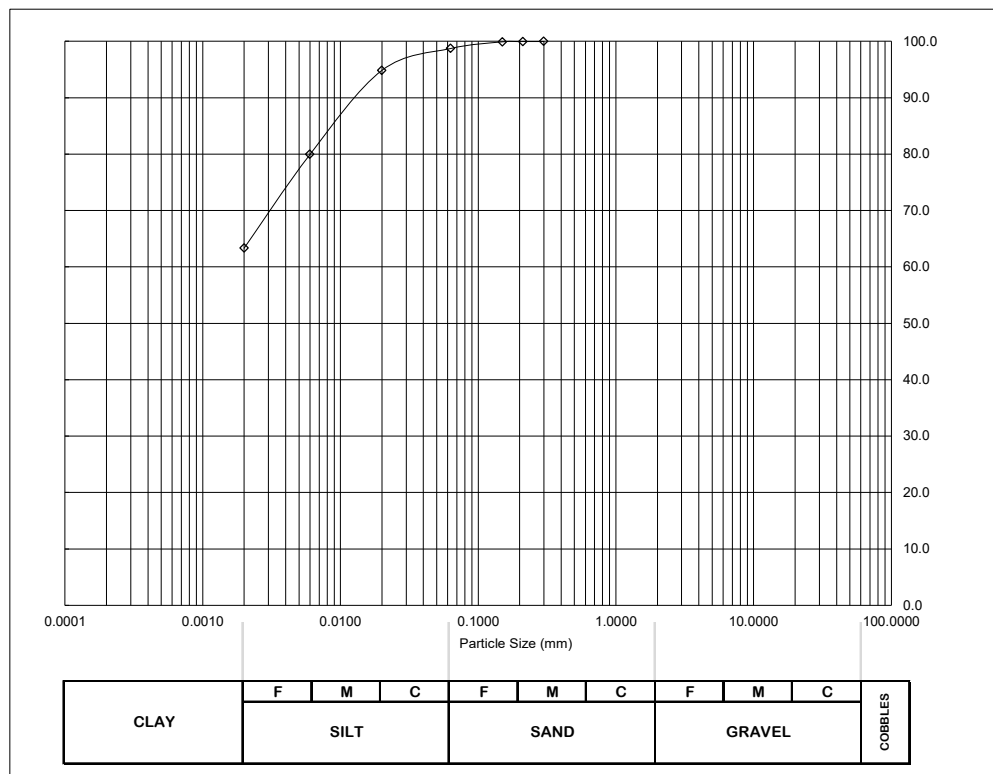
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCl Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. UT	25	Top Depth: 9.00 m	Bottom Depth: 9.40 m	

Soil Description:

Stiff, extremely closely fissured dark greyish brown slightly sandy slightly micaceous silty CLAY with rare pyrite nodule (<15mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	95
0.006	80
0.002	63



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.3
Silt	35.4
Clay	63.3



4503

Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2022		
Date - sample testing commenced :	25/10/2021	Checked / Approved by:	KM
Date - sample testing completed :	15/11/2021	Date Approved:	22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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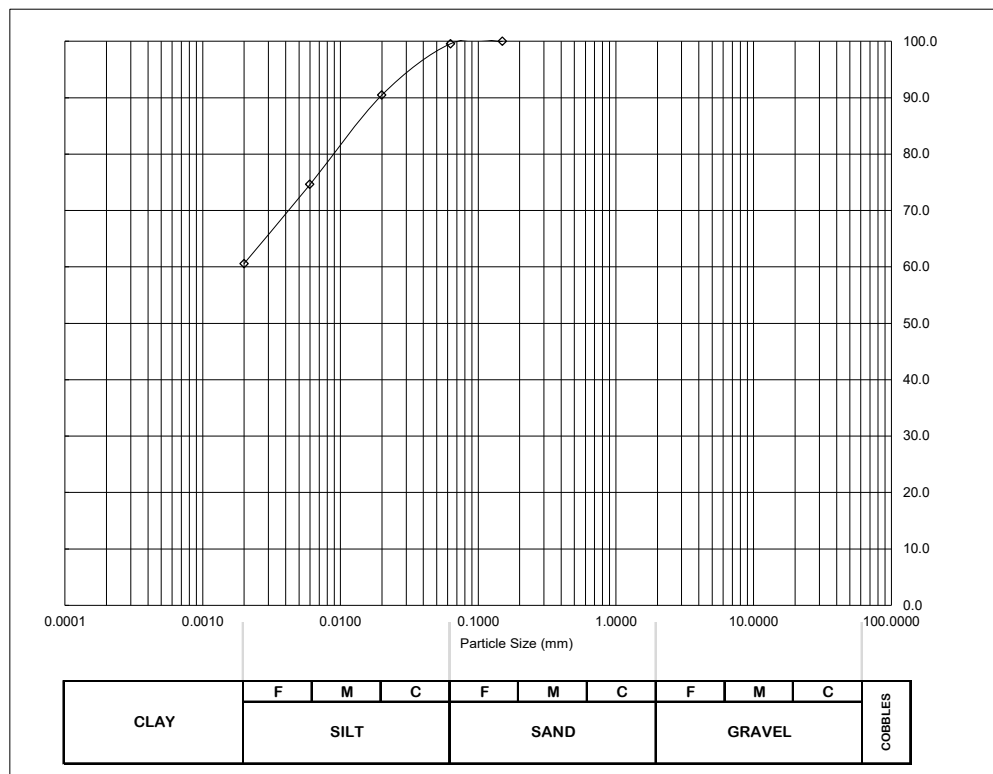
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. UT	30	Top Depth: 10.50 m	Bottom Depth: 10.95 m	

Soil Description:

Stiff, extremely closely fissured dark greyish brown slightly micaceous silty CLAY with occasional pyrite nodules (<20mm) and rare shell fragments (<5mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	90
0.006	75
0.002	61



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.4
Silt	39.0
Clay	60.6



Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2022	
Date - sample testing commenced :	25/10/2021	Checked / Approved by: KM
Date - sample testing completed :	15/11/2021	Date Approved: 22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)		

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PARTICLE SIZE DISTRIBUTION

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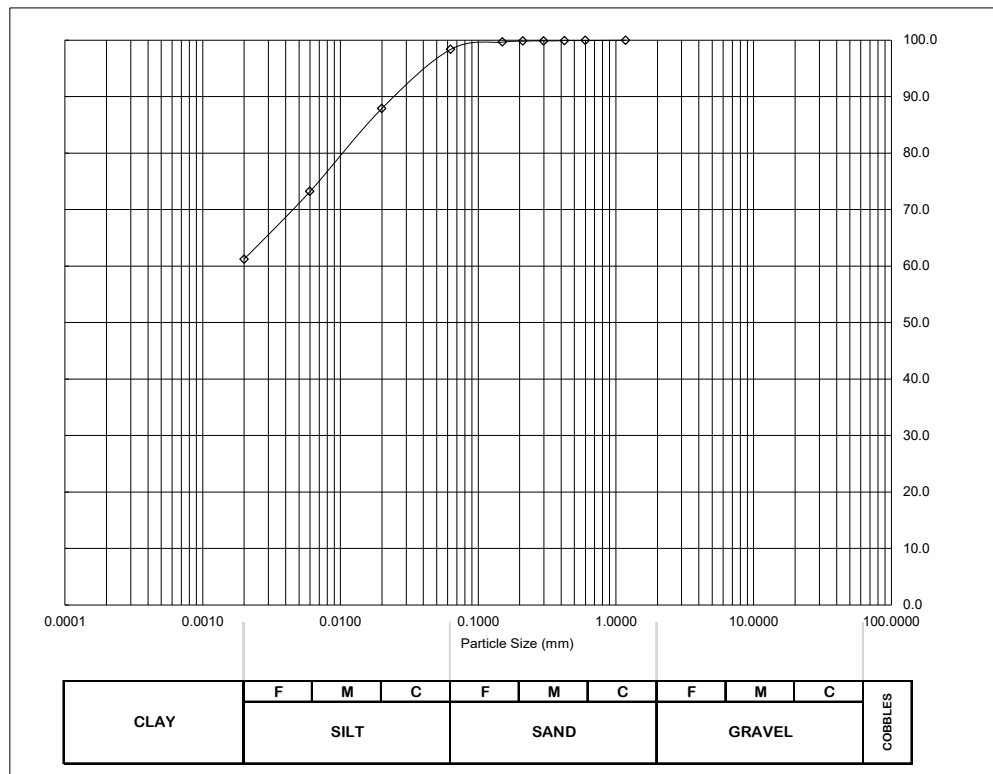
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. UT 35	Top Depth: 11.90 m		Bottom Depth: 12.35 m	

Soil Description:

Very stiff, extremely closely fissured dark greyish brown slightly sandy slightly micaceous silty CLAY with rare shell fragments (<5mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	98

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	88
0.006	73
0.002	61



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.7
Silt	37.1
Clay	61.2



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2022		
Date - sample testing commenced :	25/10/2021	Checked / Approved by:	KM
Date - sample testing completed :	15/11/2021	Date Approved:	22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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TEST REPORT

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

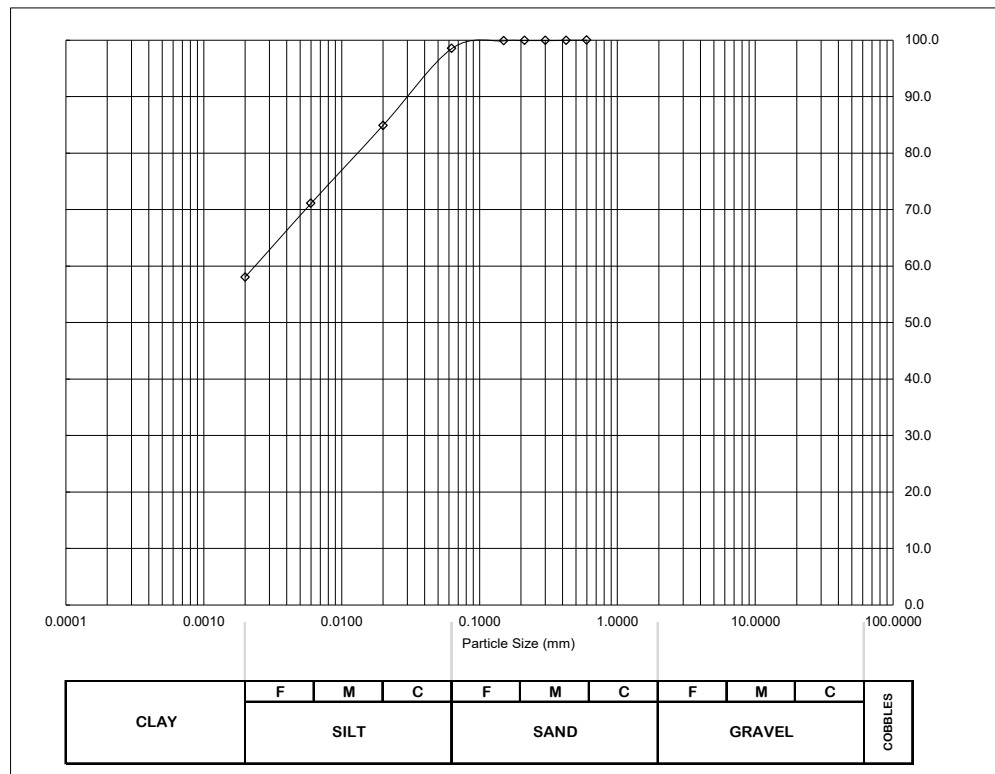
Site Name:				L4 Colt DCS Data Centre				Job Number:		21/3600	
Client:				HDCI Hayes London Limited				Date Reported:		12/01/2022	
Borehole No:		BH106		Sample Type/No.		UT 40		Top Depth:		13.50 m	
								Bottom Depth:		13.95 m	

Soil Description:

Very stiff, extremely closely fissured dark greyish brown slightly sandy slightly micaceous silty CLAY with occasional pyrite nodules (<10mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	85
0.006	71
0.002	58



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.5
Silt	40.5
Clay	58.0



Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:		03/09/2022	
Date - sample testing commenced :	03/11/2021	Checked / Approved by:	KM
Date - sample testing completed :	17/11/2021	Date Approved:	22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

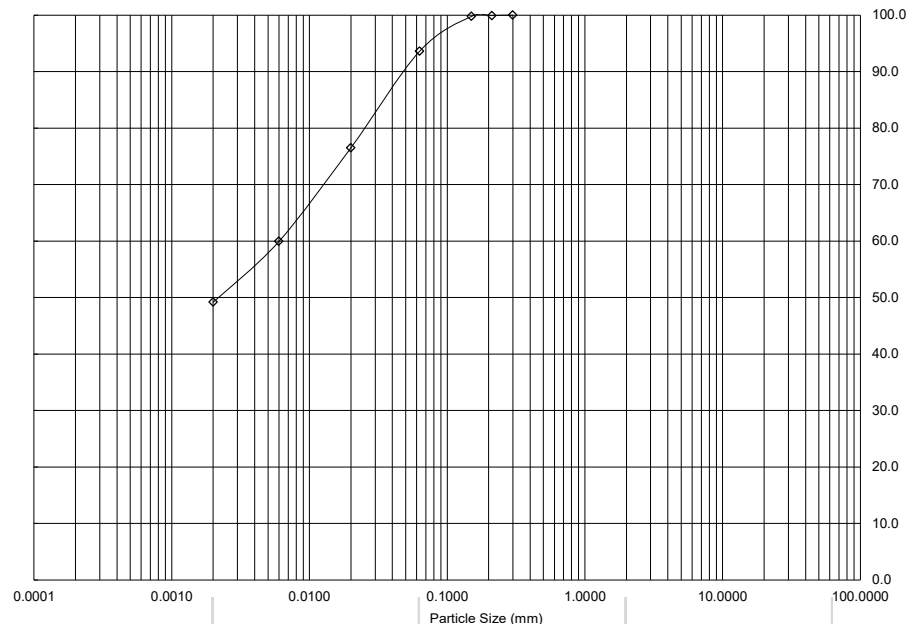
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH106	Sample Type/No.	U 43
		Top Depth:	14.50 m
		Bottom Depth:	14.95 m

Soil Description:

Very stiff, extremely closely fissured dark brownish grey slightly micaceous silty CLAY with rare partings of silty sand (<1mm) and occasional pyrite nodules (<25mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	94

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	76
0.006	60
0.002	49



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	6.4
Silt	44.4
Clay	49.2



4503

Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2022	
Date - sample testing commenced :	03/11/2021	Checked / Approved by: KM
Date - sample testing completed :	17/11/2021	Date Approved: 22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)		

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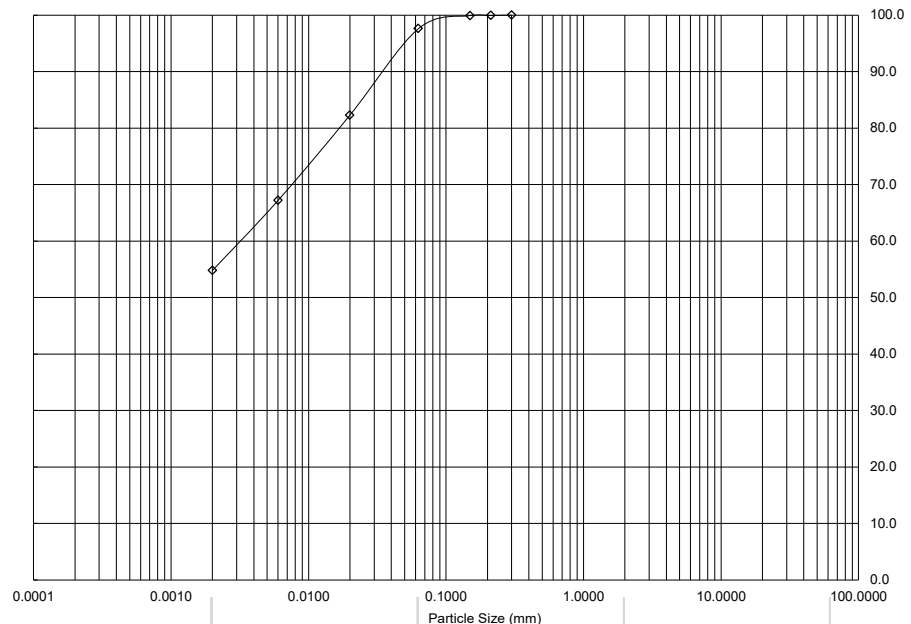
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. UT 45	Top Depth: 15.00 m		Bottom Depth: 15.45 m	

Soil Description:

Very stiff, extremely closely fissured dark greyish brown slightly micaceous silty CLAY with rare pockets of sand (<30mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	98

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	82
0.006	67
0.002	55



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type: Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	2.4
Silt	42.8
Clay	54.8



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received: 03/09/2022	
Date - sample testing commenced : 03/11/2021	Checked / Approved by: KM
Date - sample testing completed : 17/11/2021	Date Approved: 22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)	

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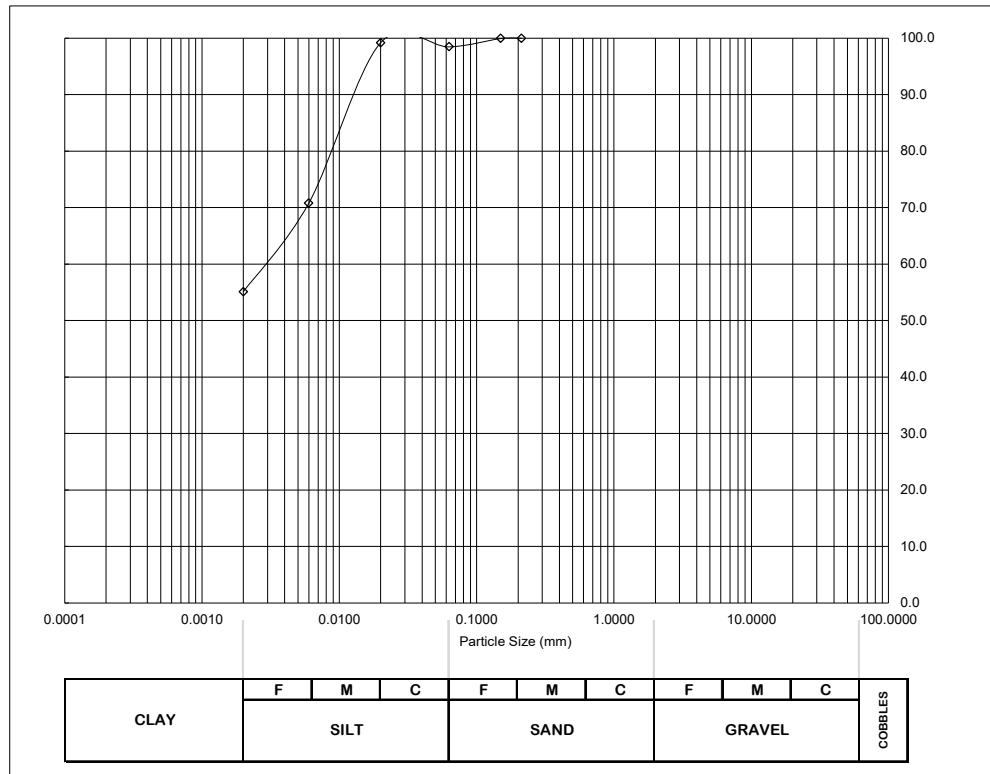
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. U	60	Top Depth: 19.10 m	Bottom Depth: 19.55 m	

Soil Description:

Very stiff, extremely closely fissured dark brownish grey slightly sandy slightly micaceous silty CLAY with rare shell fragments (<3mm) and rare pyrite nodules (<5mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	98

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	99
0.006	71
0.002	55



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.6
Silt	43.4
Clay	55.1



Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2022		
Date - sample testing commenced :	03/11/2021	Checked / Approved by:	KM
Date - sample testing completed :	17/11/2021	Date Approved:	22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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PARTICLE SIZE DISTRIBUTION

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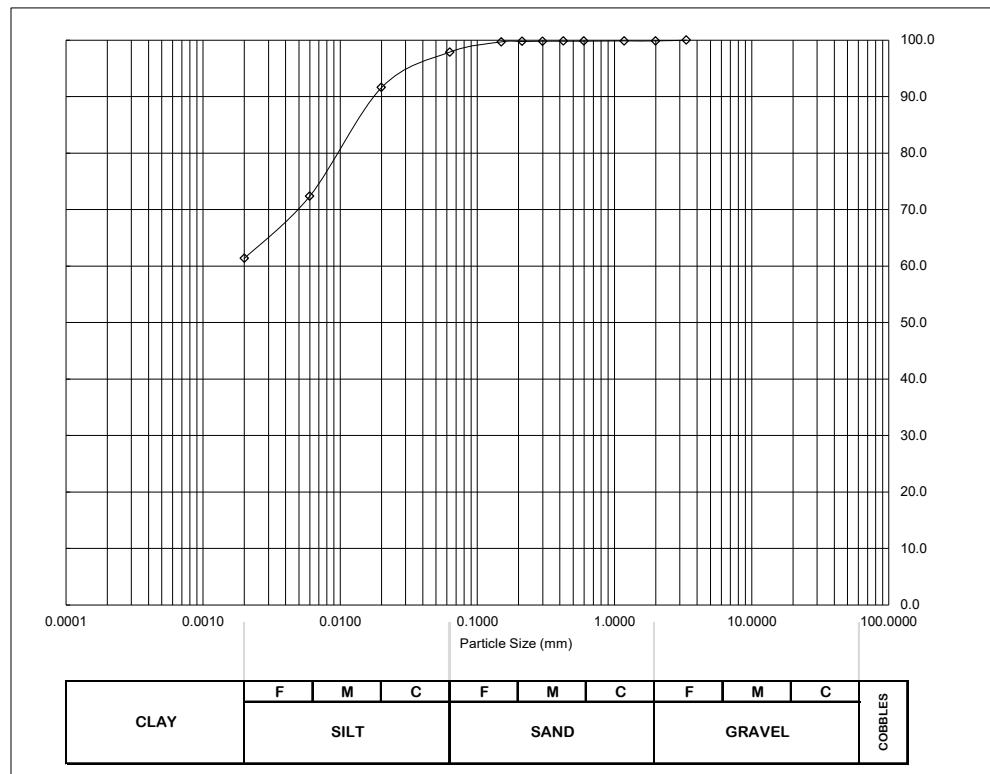
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH106	Sample Type/No.	U 61A
		Top Depth:	19.60 m
		Bottom Depth:	m

Soil Description:

Very stiff, extremely closely fissured dark brownish grey slightly sandy slightly micaceous silty CLAY with rare pyrite nodules (<15mm) and rare shell fragments (<5mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	98

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	92
0.006	72
0.002	61



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.2
Sand	2.0
Silt	36.5
Clay	61.3



4503

Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2022
Date - sample testing commenced :	03/11/2021
Date - sample testing completed :	17/11/2021
Checked / Approved by:	KM
Date Approved:	22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)	

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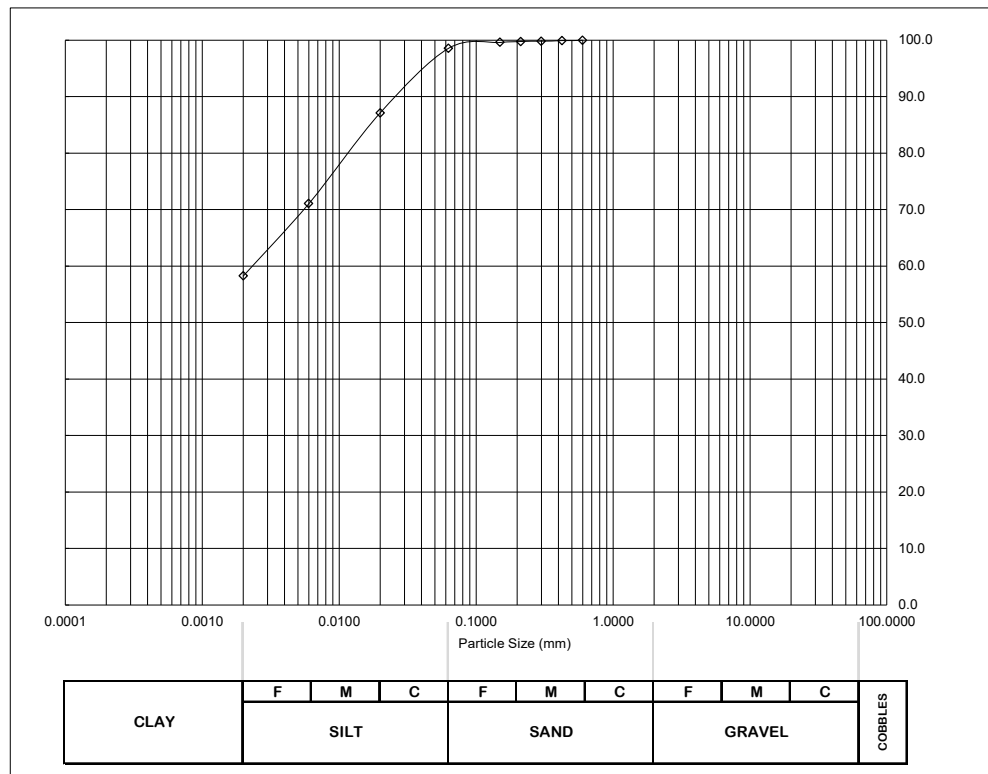
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH106	Sample Type/No.	U 64
		Top Depth:	20.50 m
		Bottom Depth:	20.95 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<5mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	87
0.006	71
0.002	58



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.5
Silt	40.3
Clay	58.2



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2022	Checked / Approved by:	KM
Date - sample testing commenced :	03/11/2021	Date Approved:	22/12/2021
Date - sample testing completed :	17/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

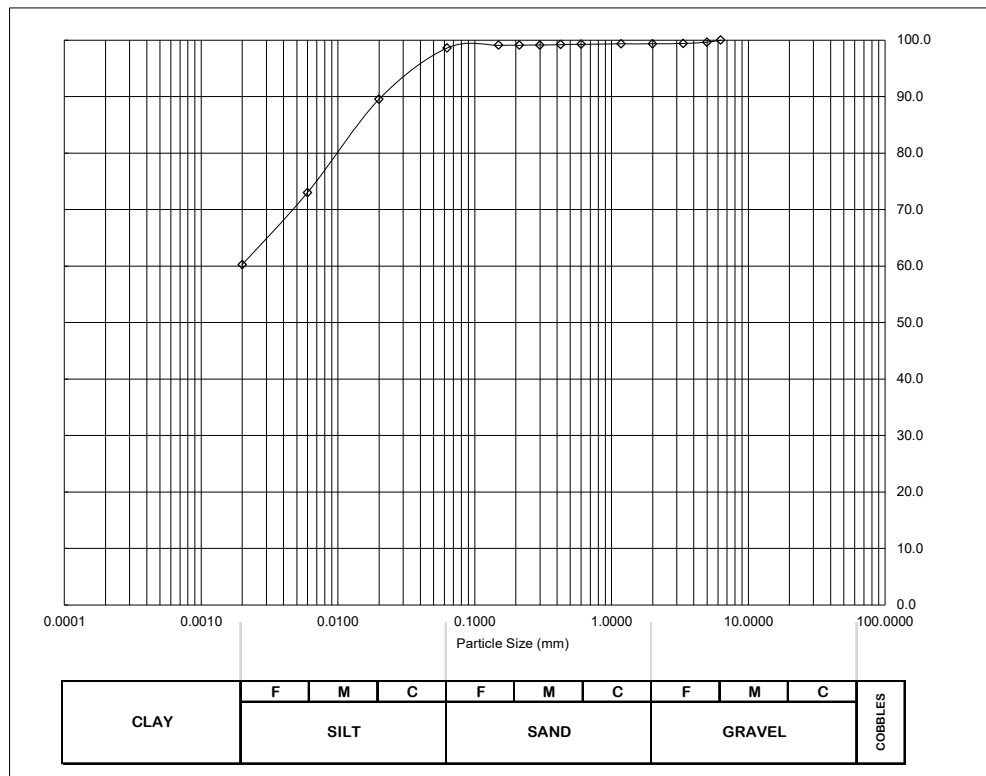
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. UT 66	Top Depth: 21.00 m		Bottom Depth: 21.45 m	

Soil Description:

Very stiff, extremely closely fissured dark brownish grey slightly micaceous silty CLAY with rare pyrite nodules (<10mm) and rare shell fragments (<3mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	99
2.000	99
1.180	99
0.600	99
0.425	99
0.300	99
0.212	99
0.150	99
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	90
0.006	73
0.002	60



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.7
Sand	0.7
Silt	38.4
Clay	60.2



Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2022		
Date - sample testing commenced :	03/11/2021	Checked / Approved by:	KM
Date - sample testing completed :	17/11/2021	Date Approved:	22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

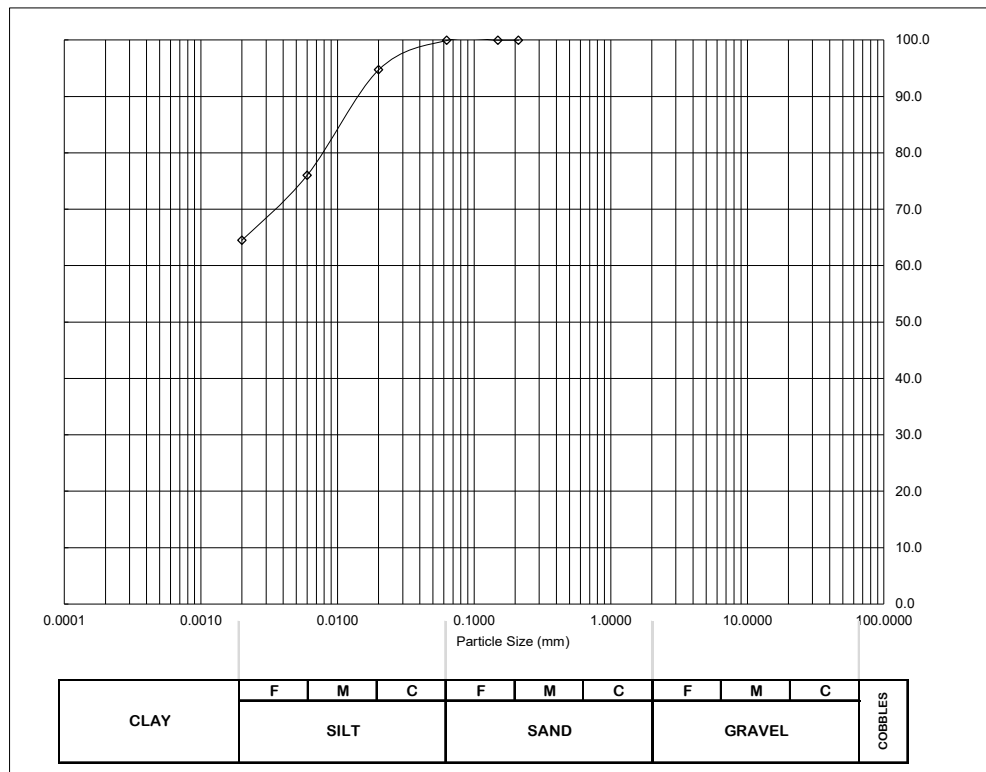
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH106	Sample Type/No.	U 70
		Top Depth:	22.50 m
		Bottom Depth:	22.95 m

Soil Description:

Very stiff, extremely closely fissured dark brownish grey slightly micaceous silty CLAY with occasional pyrite nodules (<35mm) and rare shell fragments (<3mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	95
0.006	76
0.002	64



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.1
Silt	35.4
Clay	64.5



Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2022
Date - sample testing commenced :	03/11/2021
Date - sample testing completed :	17/11/2021
Checked / Approved by:	KM
Date Approved:	22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)	

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

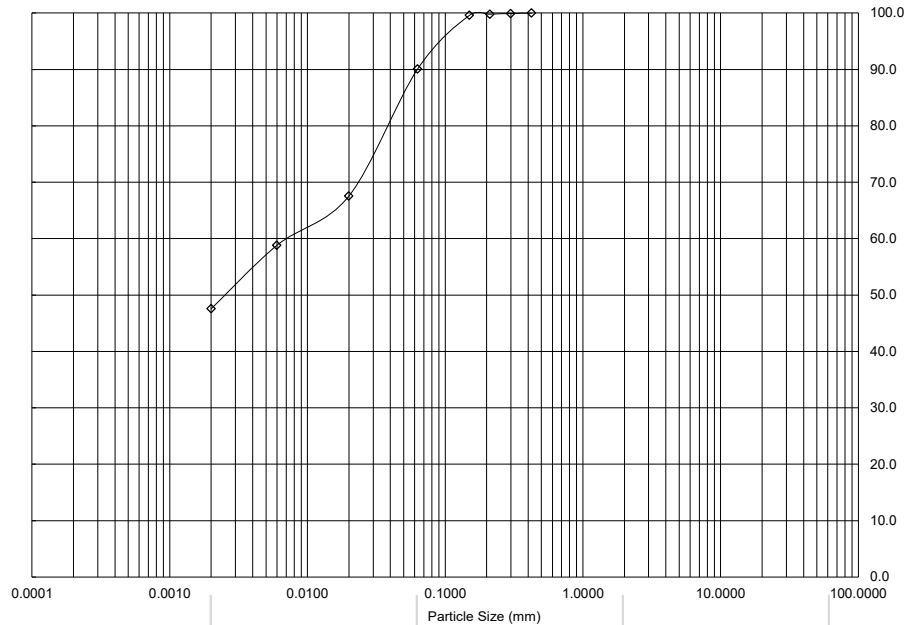
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. U 75	Top Depth: 24.00 m		Bottom Depth: 24.45 m	

Soil Description:

Very stiff, extremely closely fissured dark brownish grey slightly micaceous silty CLAY with occasional pyrite nodules (<10mm) and rare pockets of silty sand (<30mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	90

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	68
0.006	59
0.002	48



CLAY	F	M	C	F	M	C	F	M	C	GRAVEL	COBBLES
	SILT			SAND							

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	9.9
Silt	42.5
Clay	47.5



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021		
Date - sample testing commenced :	26/10/2021	Checked / Approved by:	KM
Date - sample testing completed :	17/11/2021	Date Approved:	22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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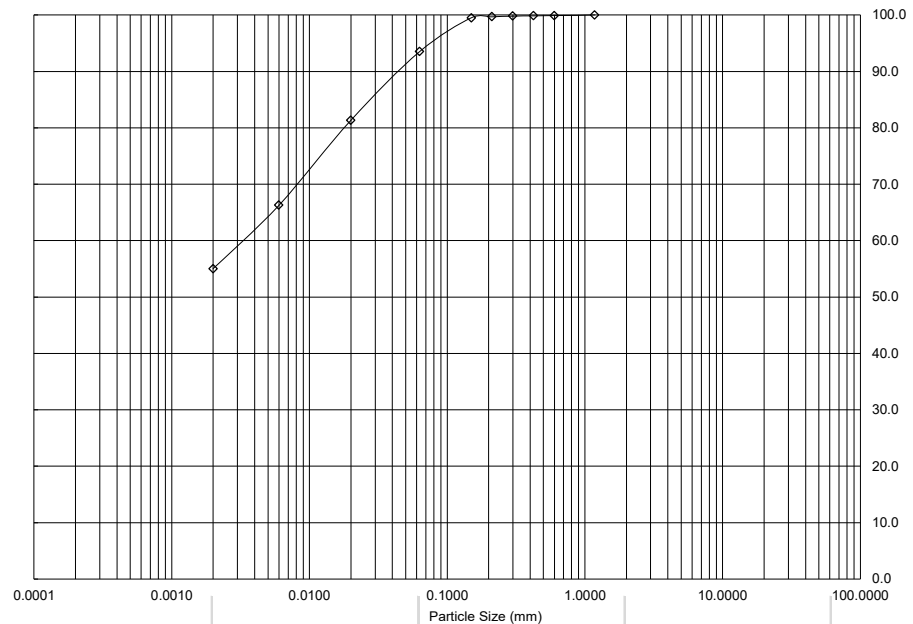
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. UT 77	Top Depth: 24.50 m		Bottom Depth: 24.95 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pyrite nodules (<3mm), rare partings of silty sand (<1mm) and rare pockets of silty sand (<60mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	99
0.063	93

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	81
0.006	66
0.002	55



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	6.5
Silt	38.5
Clay	55.0



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	26/10/2021	Date Approved:	22/12/2021
Date - sample testing completed :	17/11/2021		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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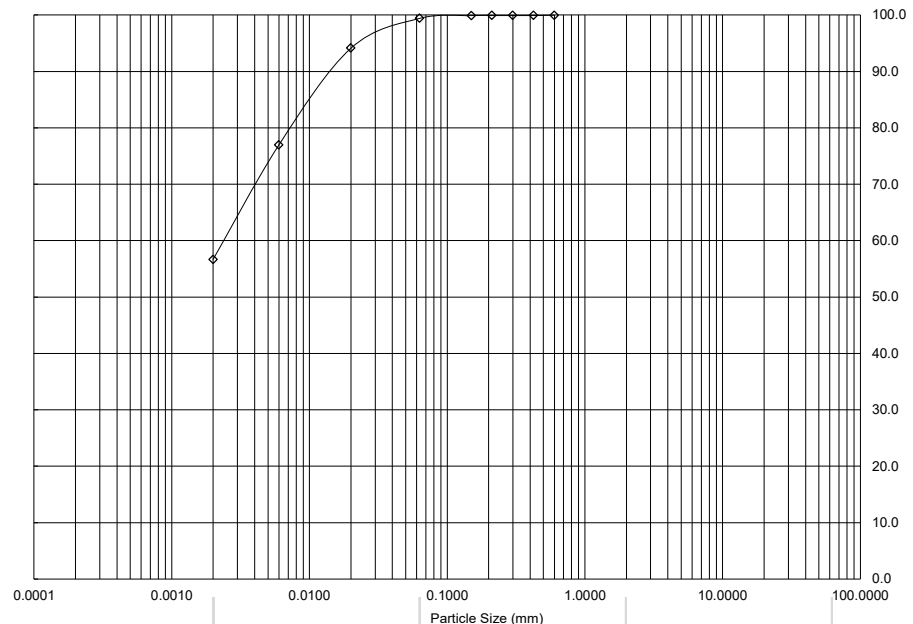
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. U	80	Top Depth: 25.50 m	Bottom Depth: 25.95 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare partings of silty sand (<1mm) and rare pockets of silty sand (<60mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	94
0.006	77
0.002	57



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type: Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.6
Silt	42.8
Clay	56.6



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received: 03/09/2021	
Date - sample testing commenced: 26/10/2021	Checked / Approved by: KM
Date - sample testing completed: 17/11/2021	Date Approved: 22/12/2021

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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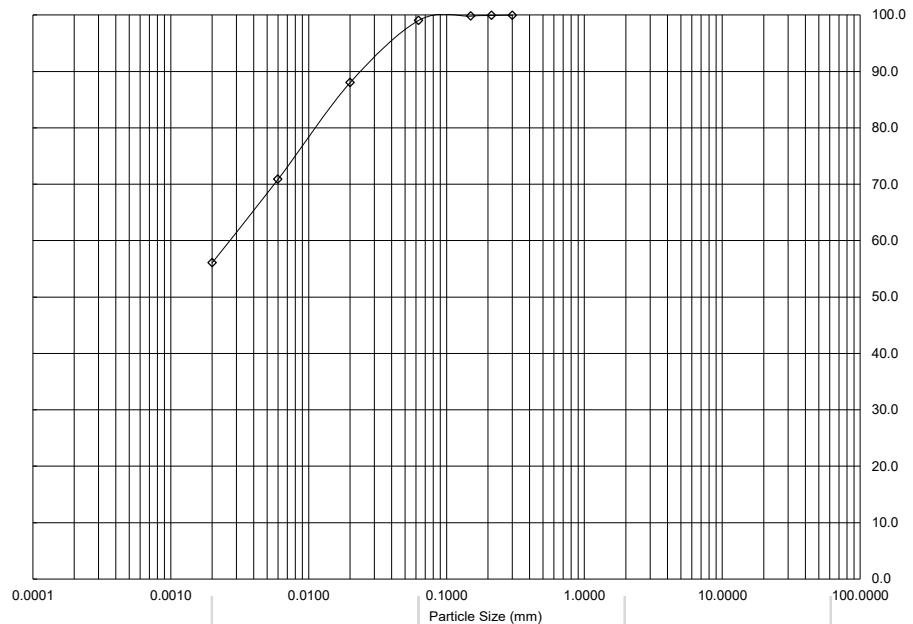
Site Name:					L4 Colt DCS Data Centre					Job Number:		21/3600					
Client:					HDCI Hayes London Limited					Date Reported:		12/01/2022					
Borehole No:		BH106		Sample Type/No.		UT		82		Top Depth:		25.90 m		Bottom Depth:		26.35 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with rare partings of silty sand (<1mm) and occasional pockets of silty sand (<30mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	88
0.006	71
0.002	56



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.9
Silt	43.0
Clay	56.1



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	26/10/2021	Date Approved:	22/12/2021
Date - sample testing completed :	17/11/2021		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

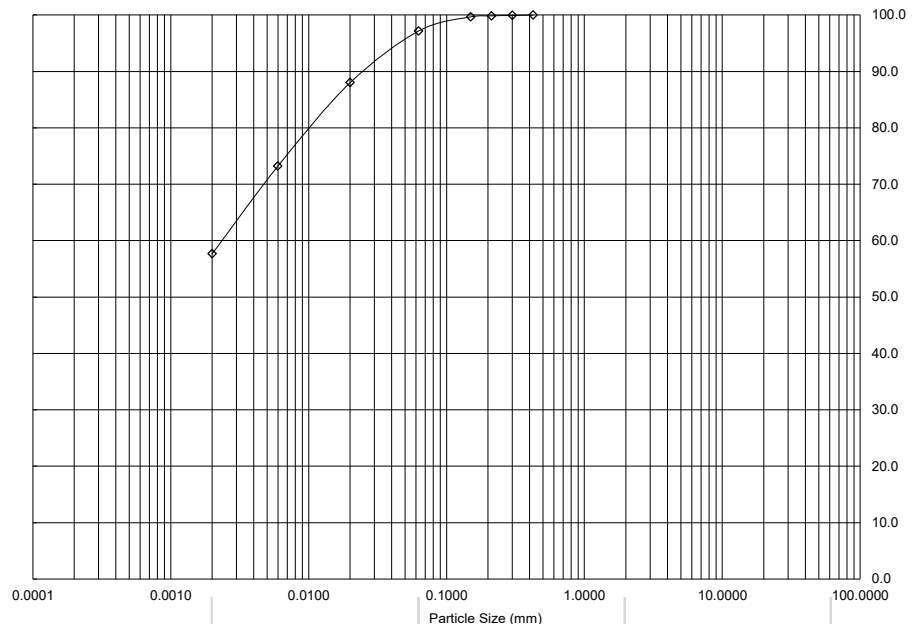
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCl Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. U 85	Top Depth: 27.00 m		Bottom Depth: 37.45 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with occasional pockets of silty sand (<50mm) and a band of claystone between 27.12m and 27.13m

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	97

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	88
0.006	73
0.002	58



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	2.8
Silt	39.5
Clay	57.6



Remarks: Sample tested below 27.13m

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021	Checked / Approved by: KM Date Approved: 22/12/2021
Date - sample testing commenced :	26/10/2021	
Date - sample testing completed :	17/11/2021	

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION

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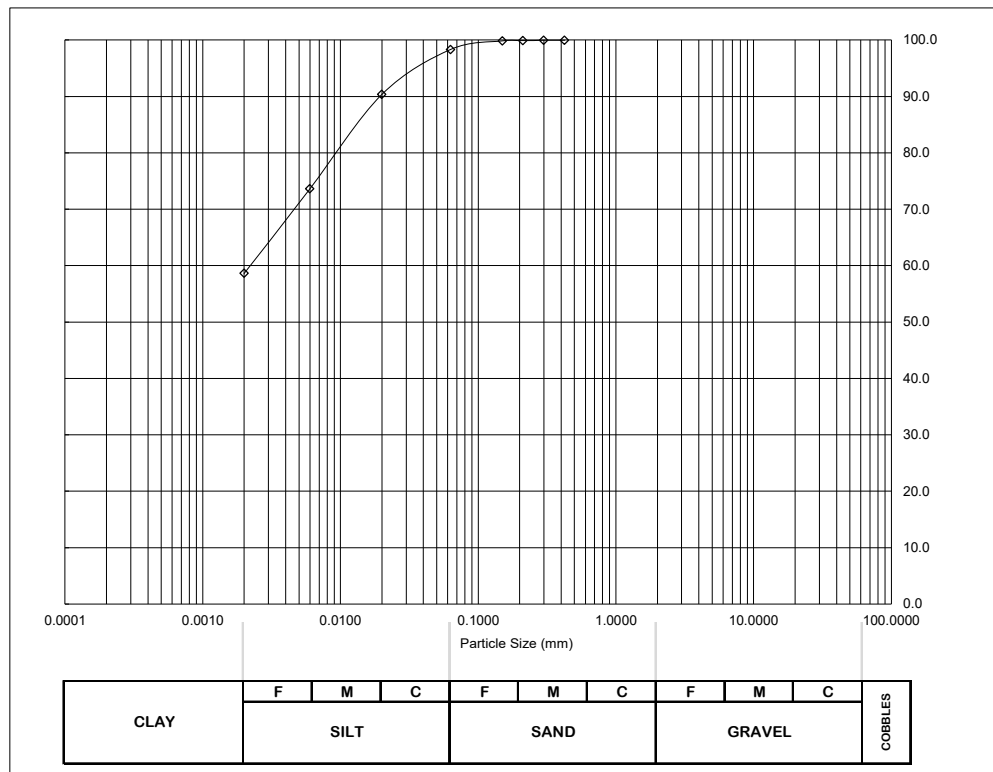
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. UT 87	Top Depth: 27.40 m		Bottom Depth: 27.85 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with occasional pockets of silty sand (<50mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	98

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	90
0.006	74
0.002	59



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.7
Silt	39.7
Clay	58.6



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021	Checked / Approved by: KM Date Approved: 22/12/2021
Date - sample testing commenced :	26/10/2021	
Date - sample testing completed :	17/11/2021	

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

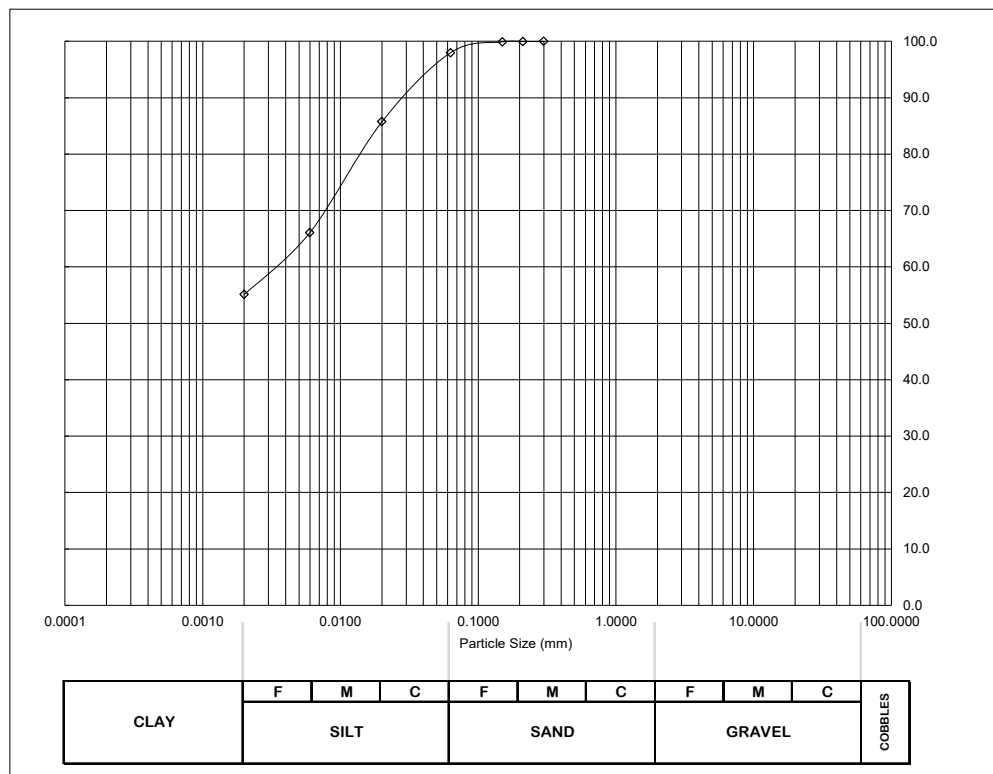
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCl Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. U 90	Top Depth: 28.50 m		Bottom Depth: 28.95 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with rare partings of silty sand (<1mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	98

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	86
0.006	66
0.002	55



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	2.0
Silt	42.9
Clay	55.1



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021	Checked / Approved by: KM Date Approved: 22/12/2021
Date - sample testing commenced :	04/11/2021	
Date - sample testing completed :	17/11/2021	

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

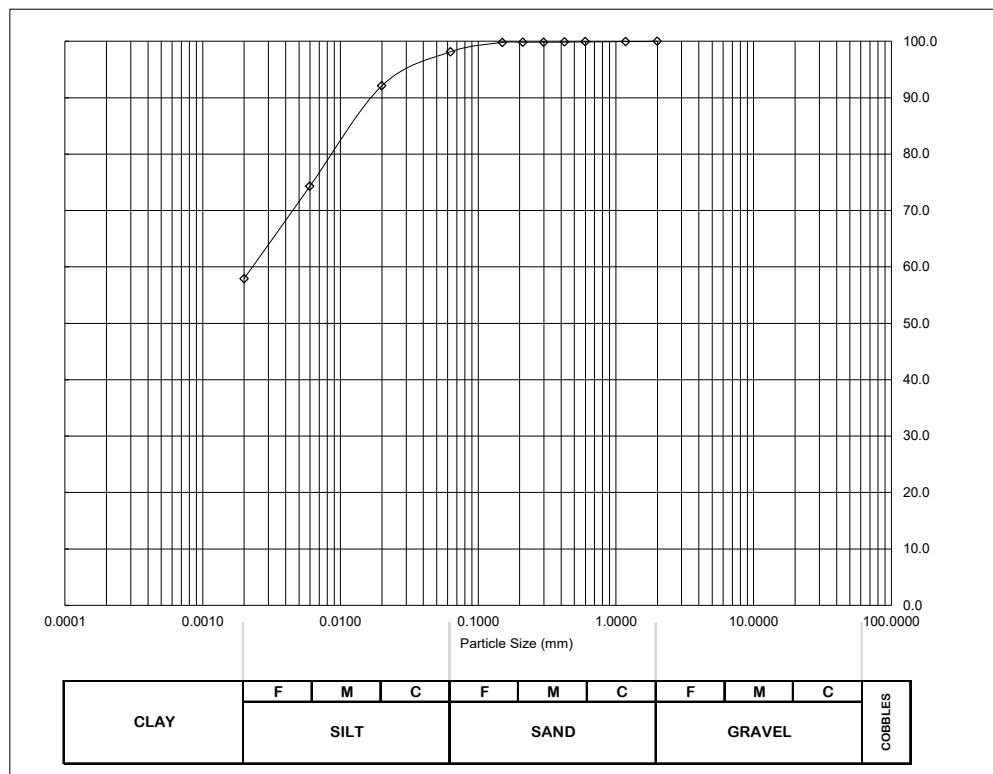
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCl Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. UT 92	Top Depth: 29.00 m		Bottom Depth: 29.45 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with occasional pockets of silty sand (<60mm), rare pyrite nodules (<20mm) and rare shell fragments (<5mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	98

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	92
0.006	74
0.002	58



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.9
Silt	40.2
Clay	57.9



Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021		
Date - sample testing commenced :	04/11/2021	Checked / Approved by:	KM
Date - sample testing completed :	17/11/2021	Date Approved:	22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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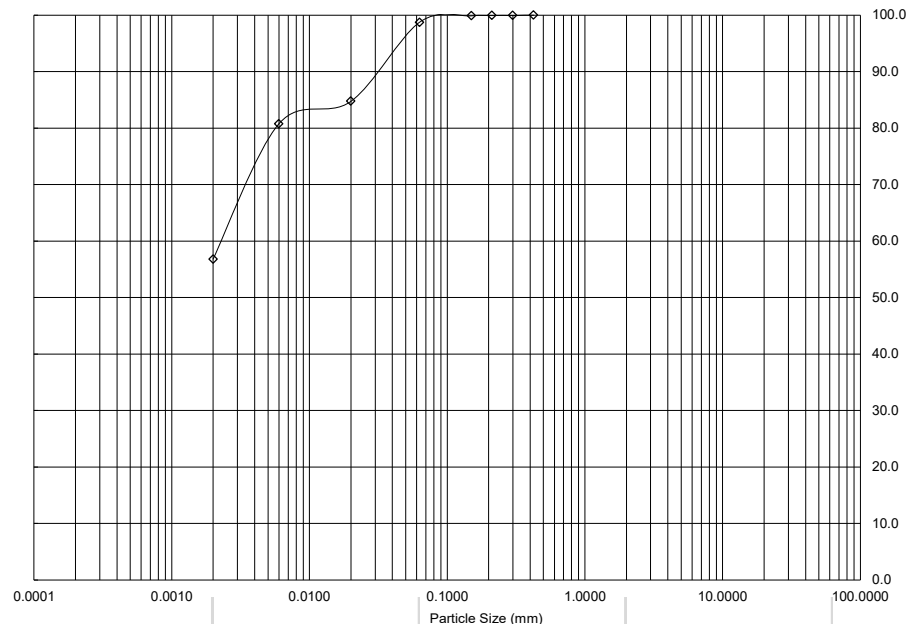
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH106	Sample Type/No.	U 95
		Top Depth:	30.00 m
		Bottom Depth:	30.45 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with occasional pockets of silty sand (<50mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	85
0.006	81
0.002	57



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.3
Silt	41.9
Clay	56.8



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	04/11/2021	Date Approved:	22/12/2021
Date - sample testing completed :	17/11/2021		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

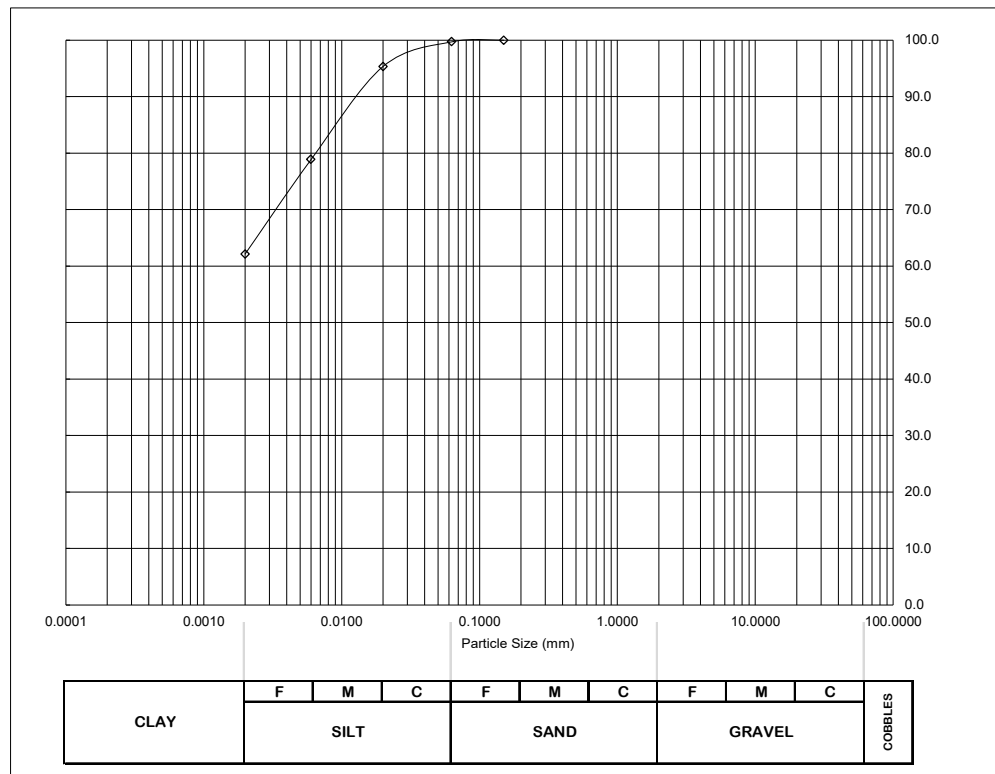
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH106	Sample Type/No.	UT 97
		Top Depth:	30.50 m
		Bottom Depth:	30.95 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<3mm) and rare pockets of silty sand (<60mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	95
0.006	79
0.002	62



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.3
Silt	37.6
Clay	62.1



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	04/11/2021	Date Approved:	22/12/2021
Date - sample testing completed :	17/11/2021		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

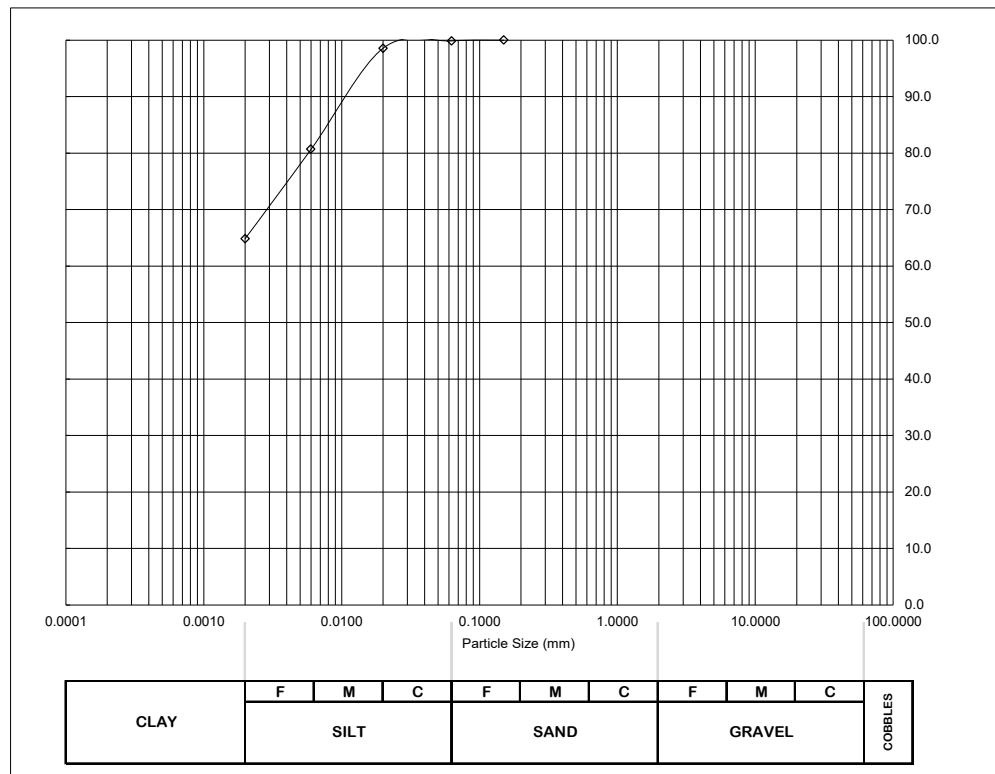
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH106	Sample Type/No.	U 100
		Top Depth:	31.50 m
		Bottom Depth:	31.95 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<3mm) and occasional pockets of silty sand (<50mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	99
0.006	81
0.002	65



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.1
Silt	35.0
Clay	64.8



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	04/11/2021	Date Approved:	22/12/2021
Date - sample testing completed :	17/11/2021		

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

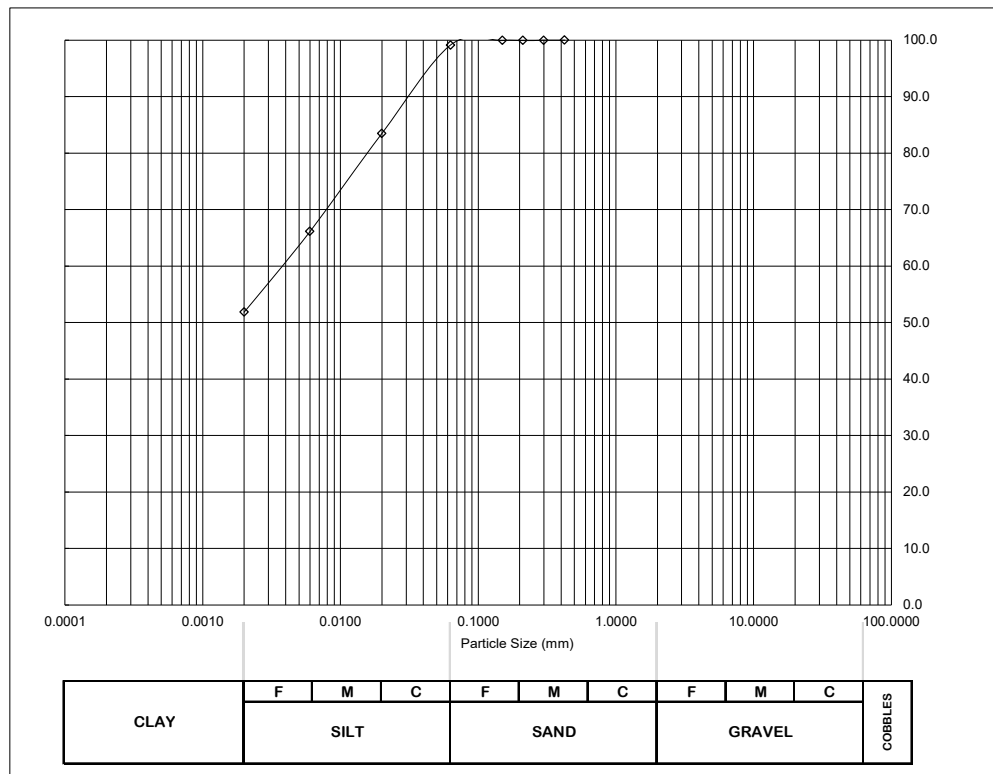
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH106	Sample Type/No.	UT 102
		Top Depth:	32.00 m
		Bottom Depth:	32.45 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pockets of silty sand (<40mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	83
0.006	66
0.002	52



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.9
Silt	47.3
Clay	51.8



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021
Date - sample testing commenced :	04/11/2021
Date - sample testing completed :	17/11/2021

Checked / Approved by:	KM
Date Approved:	22/12/2021

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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TEST REPORT

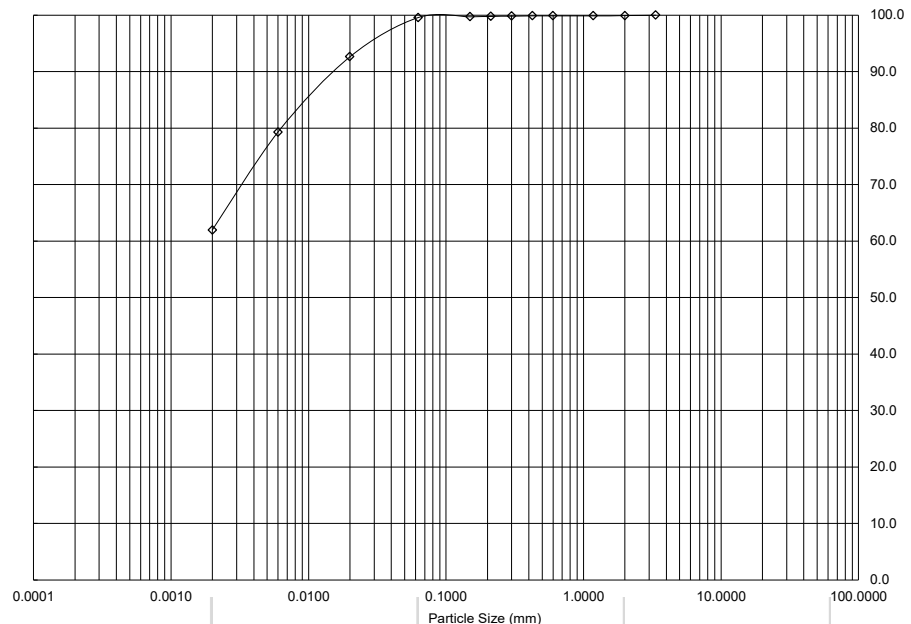
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH106	Sample Type/No.	U 106
		Top Depth:	33.50 m
		Bottom Depth:	33.95 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pockets of silty sand (<30mm) and a pocket of claystone fragments at 33.62m

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	93
0.006	79
0.002	62



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.1
Sand	0.3
Silt	37.6
Clay	61.9



Remarks: Sample tested below 33.62m

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021
Date - sample testing commenced :	04/11/2021
Date - sample testing completed :	17/11/2021

Checked / Approved by:	KM
Date Approved:	22/12/2021

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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TEST REPORT

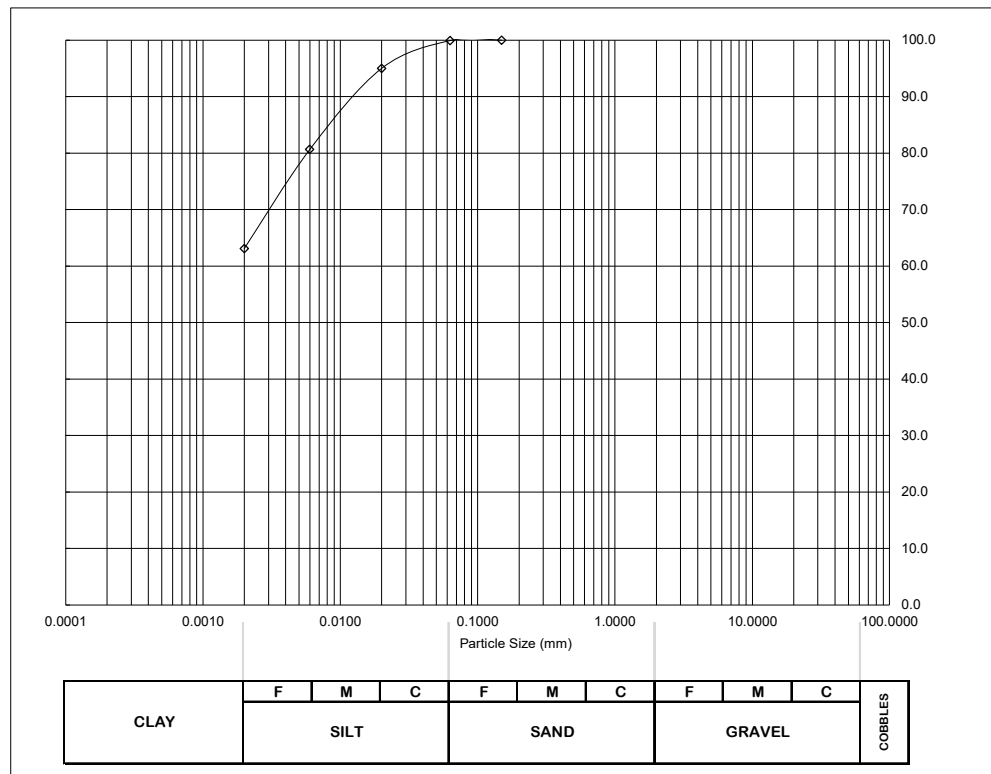
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH106	Sample Type/No.	UT 108
		Top Depth:	33.90 m
		Bottom Depth:	34.35 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pockets of silty sand (<30mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	95
0.006	81
0.002	63



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.1
Silt	36.8
Clay	63.1



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	04/11/2021	Date Approved:	22/12/2021
Date - sample testing completed :	17/11/2021		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

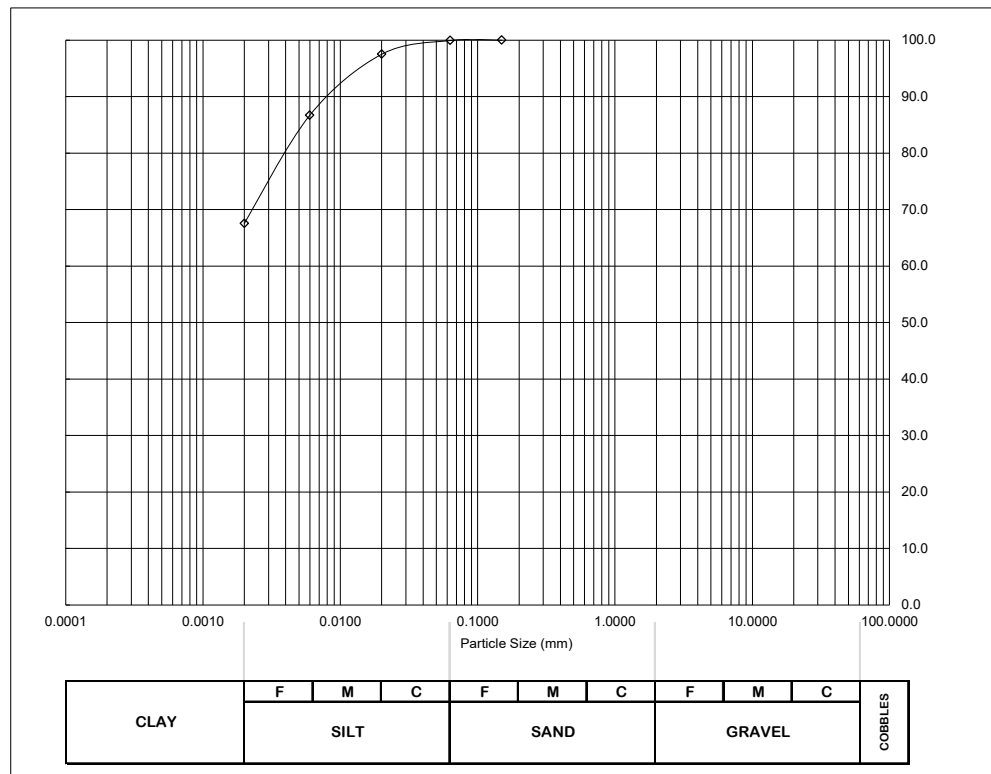
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. U	111	Top Depth: 35.00 m	Bottom Depth: 35.45 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<6mm) and rare pockets of silty sand (<50mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	97
0.006	87
0.002	68



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.1
Silt	32.4
Clay	67.5



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received: 03/09/2021		
Date - sample testing commenced : 09/11/2021	Checked / Approved by: KM	
Date - sample testing completed : 17/11/2021	Date Approved: 22/12/2021	
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)		

CONCEPT
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Tel: 02087401553
Email: lab@conceptconsultants.co.uk

CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

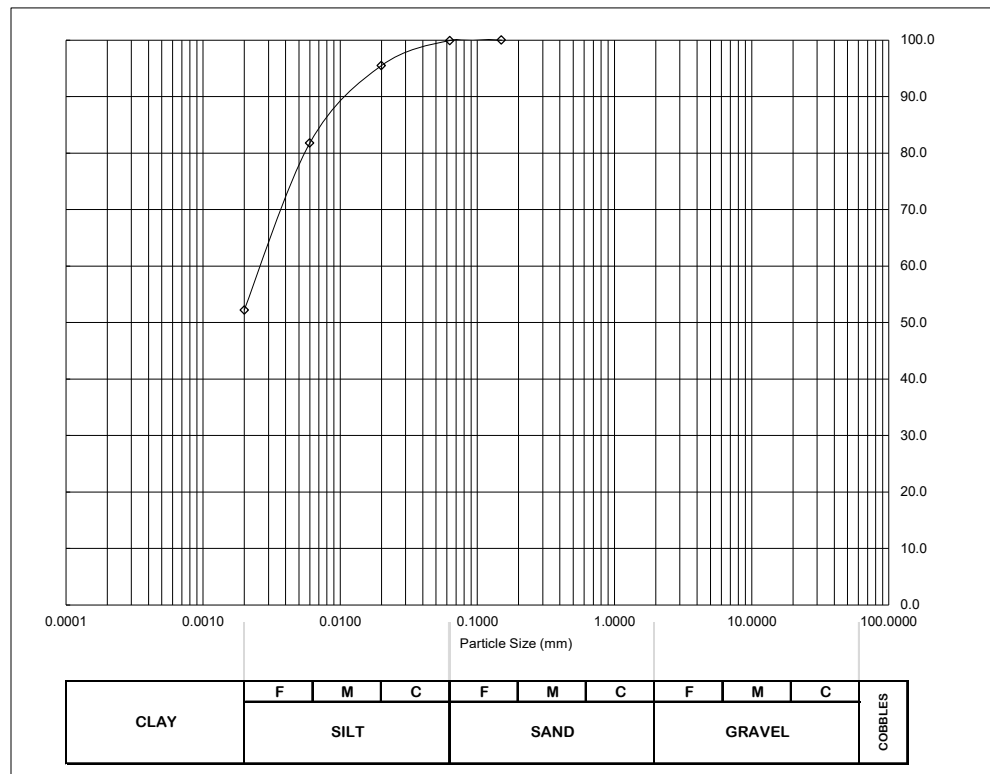
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCl Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. UT	113	Top Depth: 35.50 m	Bottom Depth: 35.95 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<3mm) and rare pyrite nodules (<5mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	95
0.006	82
0.002	52



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.1
Silt	47.7
Clay	52.2



4503

Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021	Checked / Approved by: KM Date Approved: 22/12/2021
Date - sample testing commenced :	09/11/2021	
Date - sample testing completed :	17/11/2021	
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)		

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

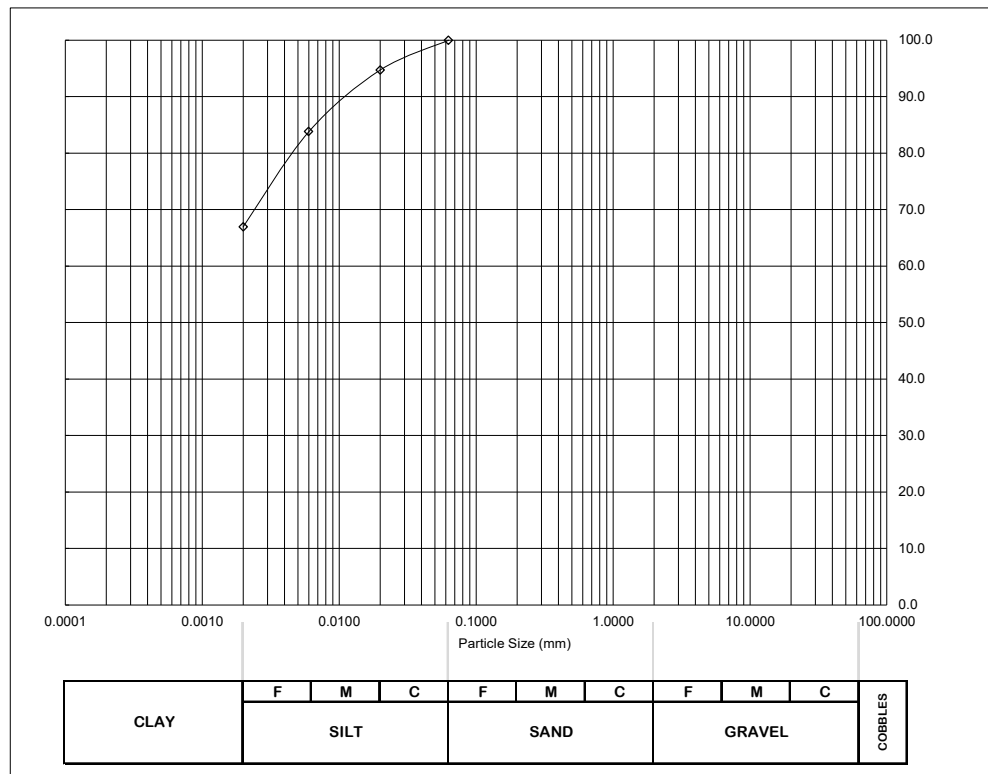
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH106	Sample Type/No.	U 117
		Top Depth:	36.70 m
		Bottom Depth:	37.15 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<3mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	95
0.006	84
0.002	67



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.0
Silt	33.0
Clay	66.9



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	09/11/2021	Date Approved:	22/12/2021
Date - sample testing completed :	17/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

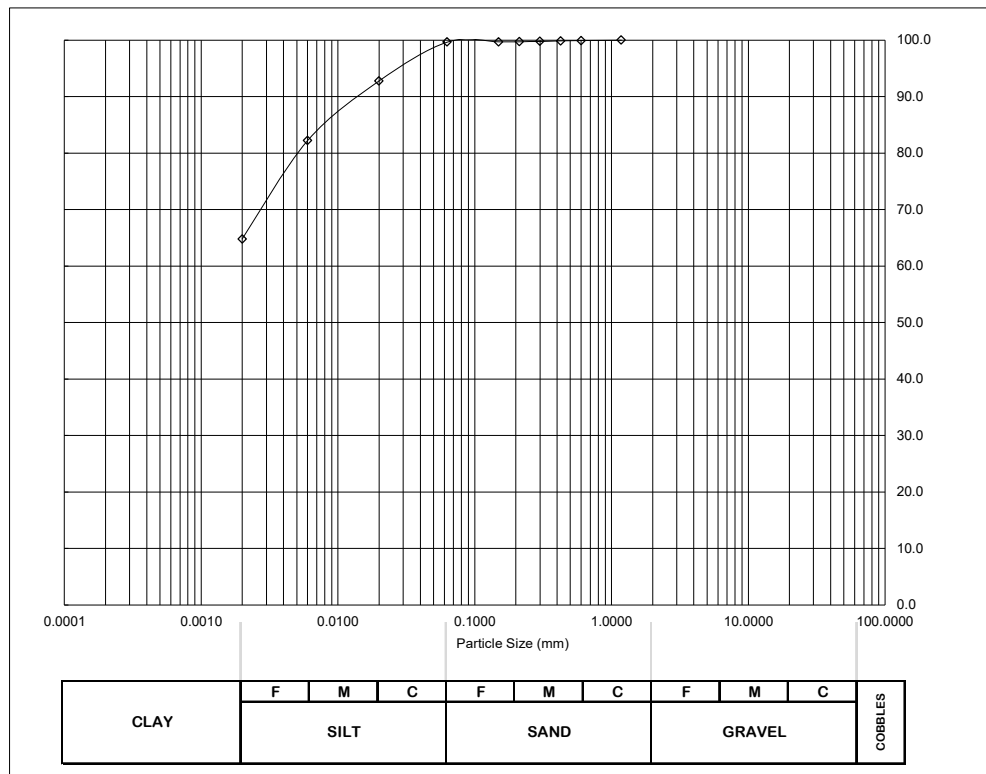
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. UT	119	Top Depth: 37.20 m	Bottom Depth: 37.65 m	

Soil Description:

Very stiff, extremely closely fissured dark brownish grey slightly micaceous silty CLAY with rare shell fragments (<15mm) and rare pockets of silty sand (<50mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	93
0.006	82
0.002	65



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.4
Silt	34.9
Clay	64.8



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021	Checked / Approved by: KM Date Approved: 22/12/2021
Date - sample testing commenced :	09/11/2021	
Date - sample testing completed :	17/11/2021	
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)		

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CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

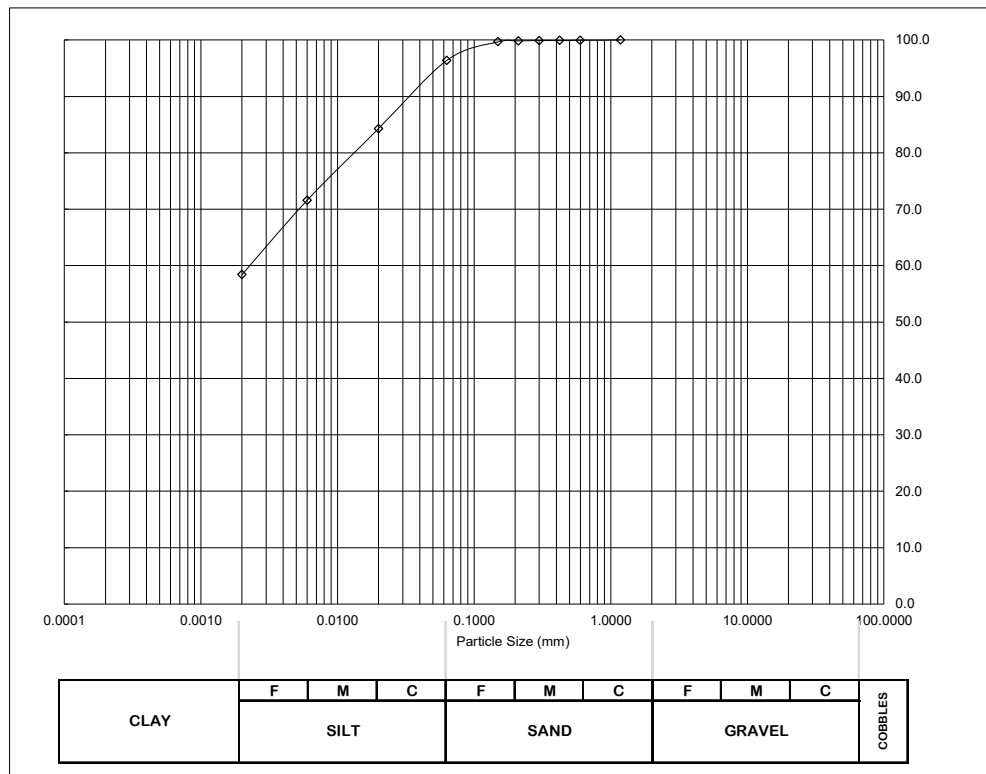
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH106	Sample Type/No.	U 122
		Top Depth:	38.30 m
		Bottom Depth:	38.75 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with 1No pocket of shell fragments (30mm) and 1No pyrite nodule (<12mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	96

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	84
0.006	72
0.002	58



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	3.6
Silt	38.0
Clay	58.4



Remarks: Pyrite nodule - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021	Checked / Approved by: KM Date Approved: 22/12/2021
Date - sample testing commenced :	09/11/2021	
Date - sample testing completed :	17/11/2021	
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)		

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

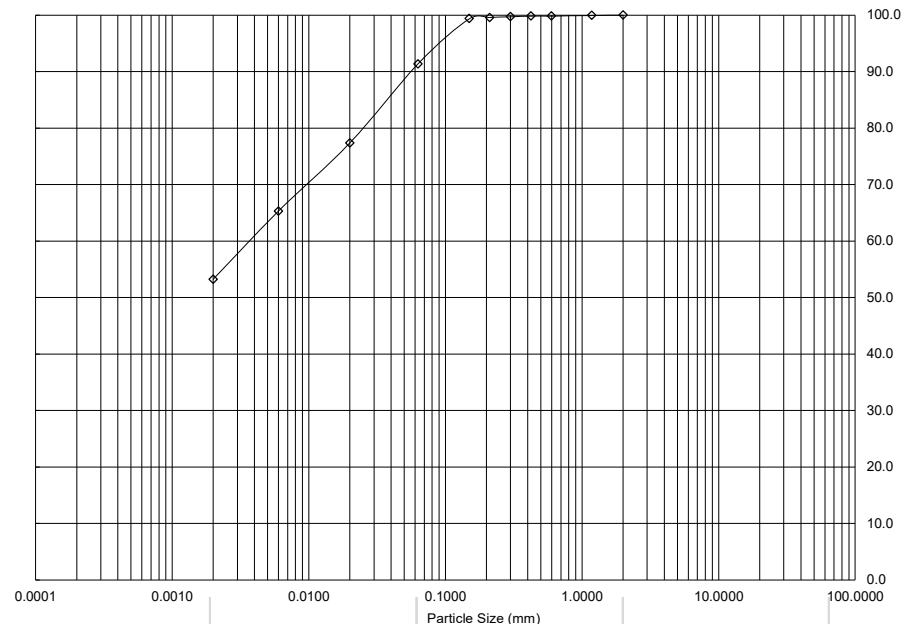
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH106	Sample Type/No.	UT 124
		Top Depth:	38.80 m
		Bottom Depth:	39.25 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with occasional pockets of silty sand (<40mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	99
0.063	91

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	77
0.006	65
0.002	53



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	8.6
Silt	38.1
Clay	53.2



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	09/11/2021	Date Approved:	22/12/2021
Date - sample testing completed :	17/11/2021		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

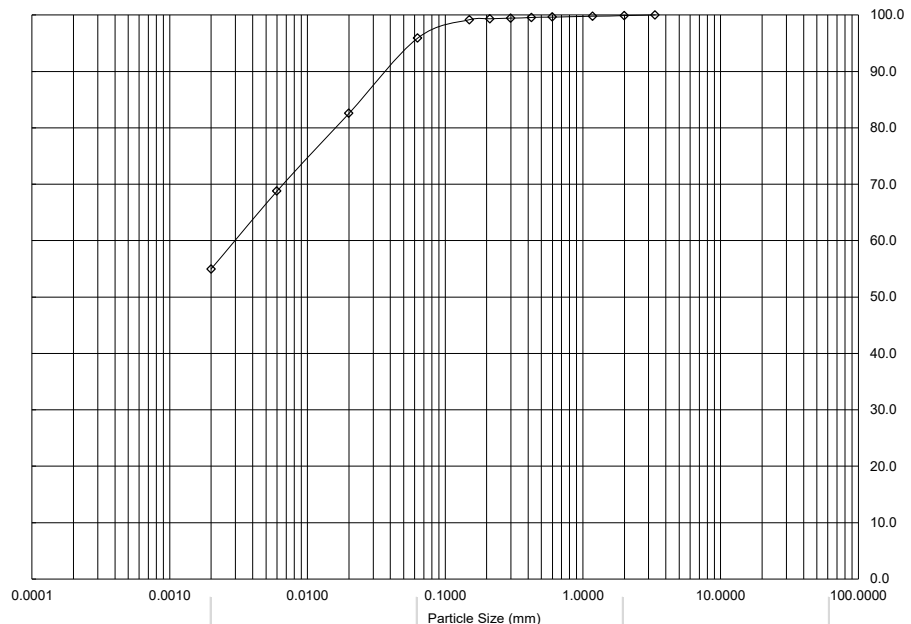
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH106	Sample Type/No.	U 127
		Top Depth:	40.00 m
		Bottom Depth:	40.45 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with frequent shell fragments (<3mm), occasional pockets of silty sand (<30mm) and rare pyrite nodules (<10mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	99
0.212	99
0.150	99
0.063	96

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	83
0.006	69
0.002	55



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.1
Sand	4.0
Silt	40.9
Clay	55.0



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021
Date - sample testing commenced :	09/11/2021
Date - sample testing completed :	19/11/2021

Checked / Approved by:	KM
Date Approved:	22/12/2021

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

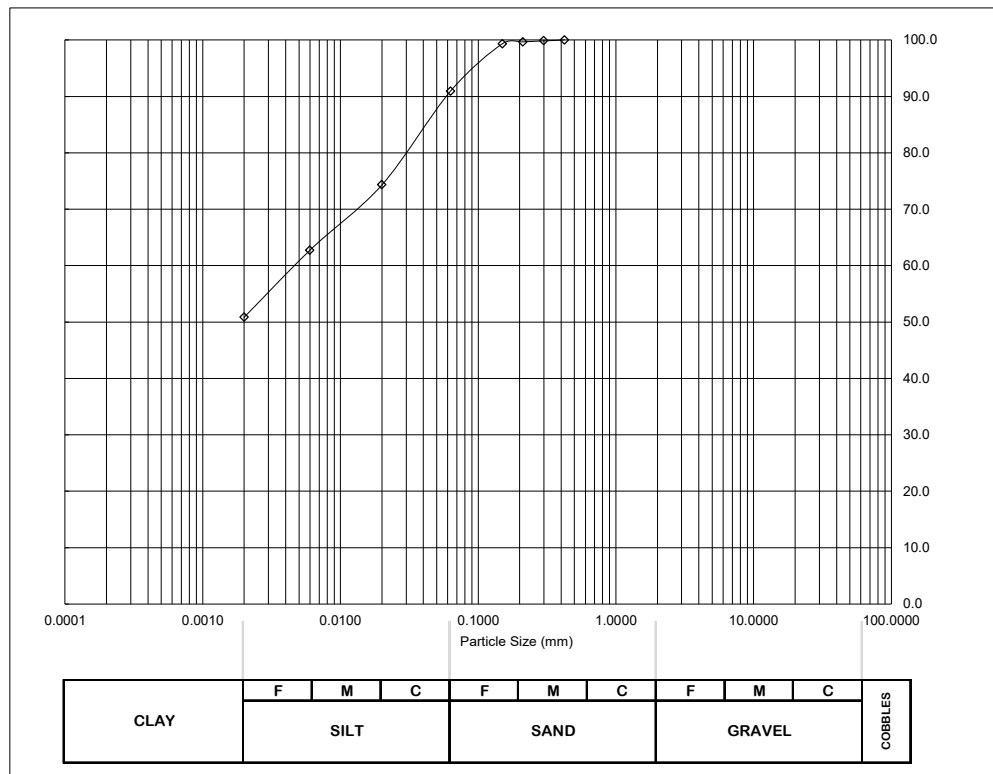
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2022	
Borehole No: BH106	Sample Type/No. U 131	Top Depth: 41.50 m		Bottom Depth: 41.95 m	

Soil Description:

Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with rare pyrite nodules (<6mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	99
0.063	91

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	74
0.006	63
0.002	51



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	9.1
Silt	40.1
Clay	50.8



4503

Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021		
Date - sample testing commenced :	09/11/2021	Checked / Approved by:	KM
Date - sample testing completed :	19/11/2021	Date Approved:	22/12/2021
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

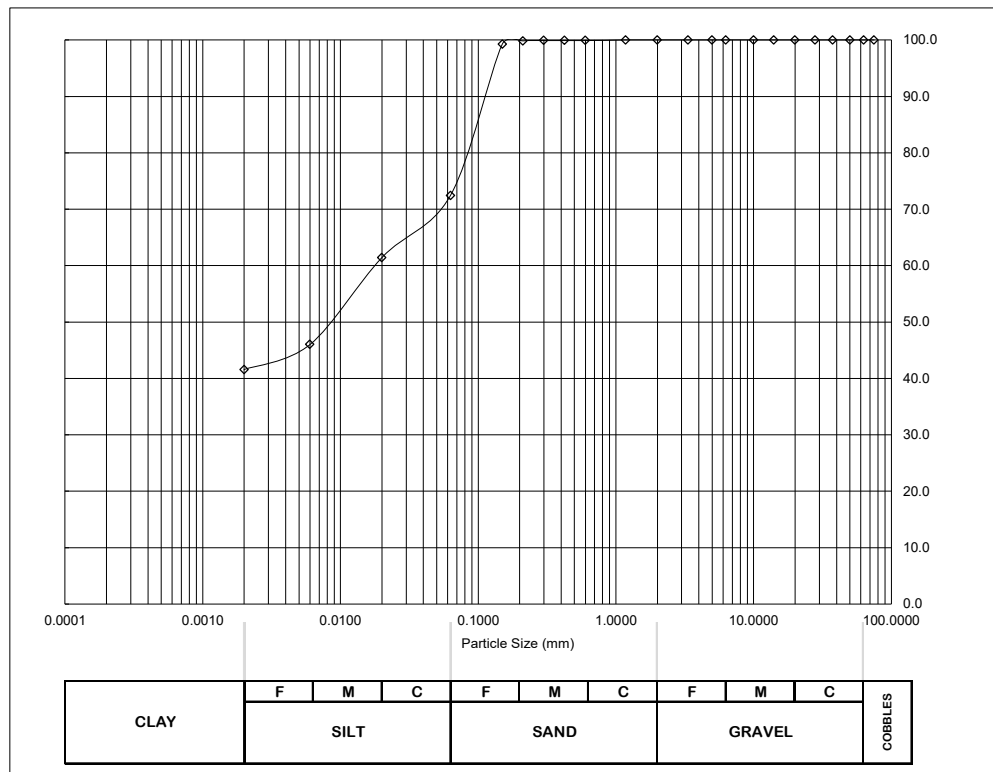
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH106	Sample Type/No.	U 135
		Top Depth:	43.00 m
		Bottom Depth:	43.45 m

Soil Description:

Very stiff , extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY becoming soft and sandy at 43.24m

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	99
0.063	72

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	61
0.006	46
0.002	42



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	27.6
Silt	30.9
Clay	41.6



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	09/11/2021	Date Approved:	22/12/2021
Date - sample testing completed :	19/11/2021		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

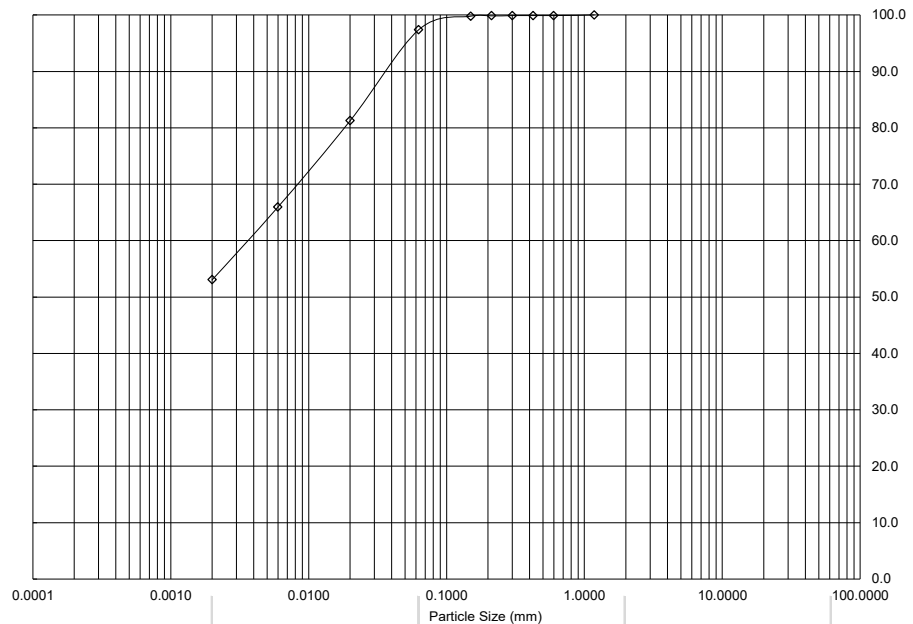
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2022
Borehole No:	BH106	Sample Type/No.	U 139
		Top Depth:	44.50 m
		Bottom Depth:	44.95 m

Soil Description:

Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pockets of silty sand (<25mm) and rare pyrite nodules (<10mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	97

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	81
0.006	66
0.002	53



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	2.6
Silt	44.3
Clay	53.0



Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	03/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	09/11/2021	Date Approved:	22/12/2021
Date - sample testing completed :	19/11/2021		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

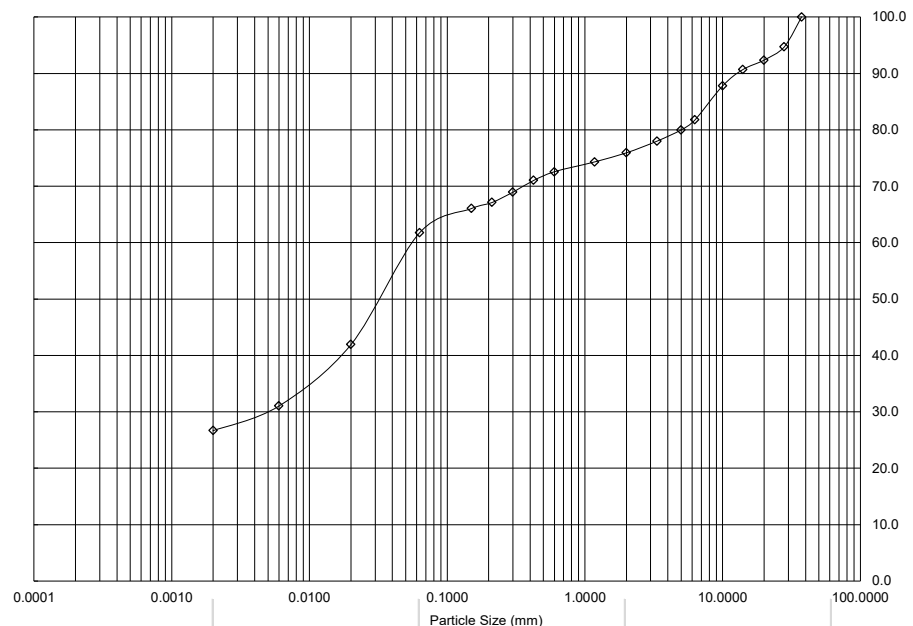
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCI Hayes London Limited			Date Reported: 04/02/2022	
Borehole No: BH107	Sample Type/No. B 4	Top Depth: 0.60 m	Bottom Depth: m	

Soil Description:

Brown slightly sandy slightly gravelly silty CLAY. Gravel comprises fine to coarse flint and occasional brick fragments

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	95
20.000	92
14.000	91
10.000	88
6.300	82
5.000	80
3.350	78
2.000	76
1.180	74
0.600	73
0.425	71
0.300	69
0.212	67
0.150	66
0.063	62

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	42
0.006	31
0.002	27



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	24.1
Sand	14.2
Silt	35.1
Clay	26.7



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:

Date - sample testing commenced : 21/01/2022

Date - sample testing completed : 22/01/2022

Checked / Approved by: KM

Date Approved: 04/02/2022

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION TEST

BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

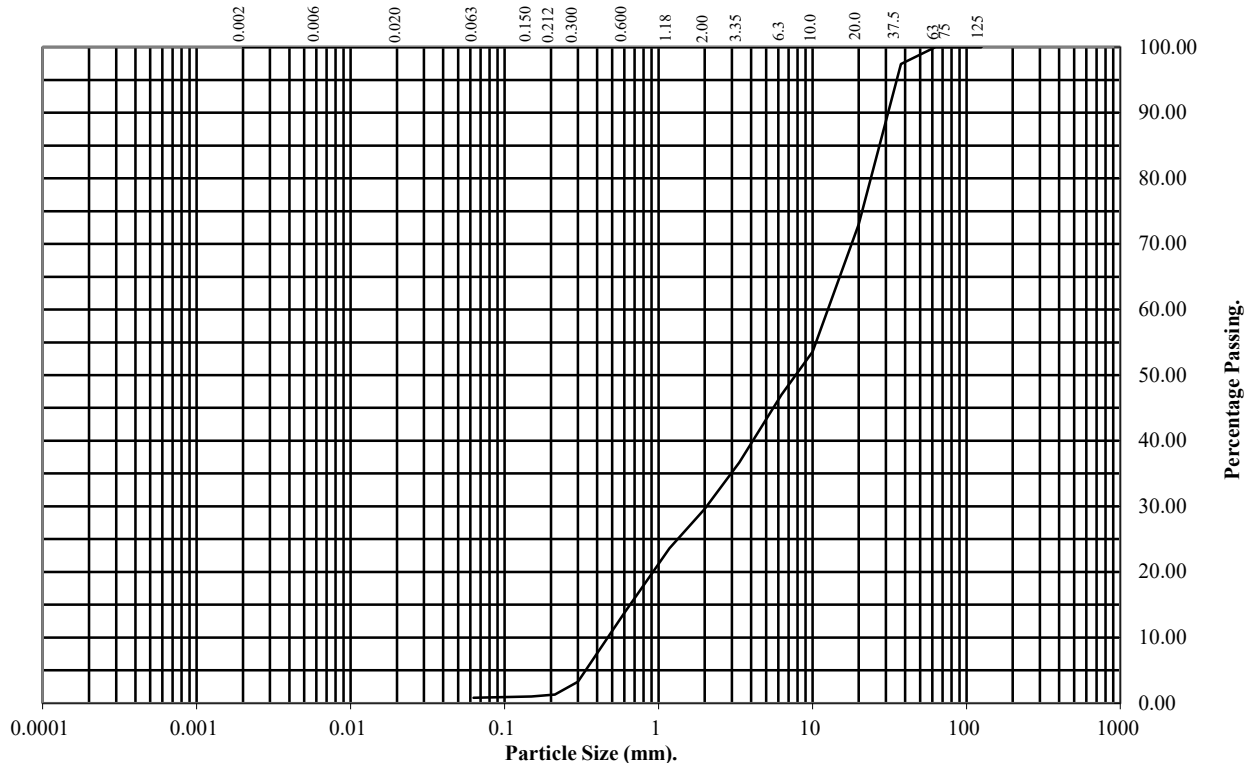
Hole Number: BH107

Top Depth (m): 1.50

Sample Number: AMAL

Base Depth(m): 3.50

Sample Type: AMAL



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	97
20	73
10	54
6.3	47
3.35	37
2	30
1.18	24
0.6	14
0.3	3
0.212	1
0.15	1
0.063	1

Soil Fraction	Total Percentage
Cobbles	0
Gravel	70
Sand	29
Silt/Clay	1

Remarks:

See Summary of Soil Descriptions



PSL
Professional Soils Laboratory

L4 Colt DCS Data Centre

Contract No:
PSL22/0490
Client Ref:
21/3600

CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

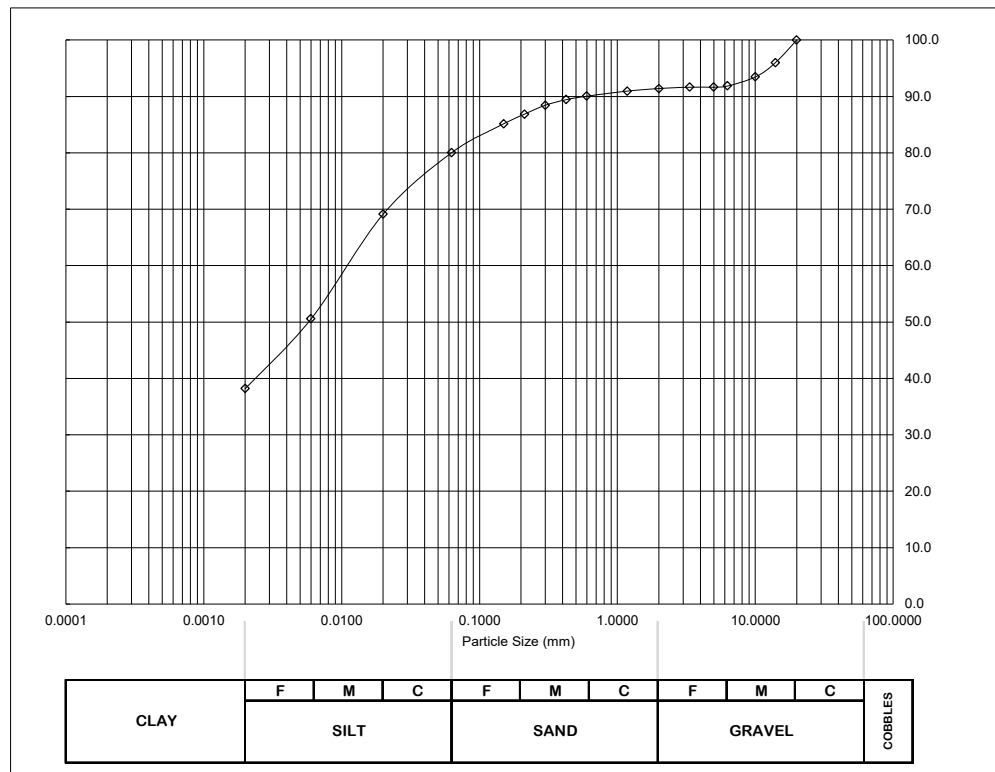
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCI Hayes London Limited			Date Reported: 04/02/2022	
Borehole No: BH107	Sample Type/No. B 16	Top Depth: 6.00 m	Bottom Depth: 6.50 m	

Soil Description:

Grey slightly gravelly slightly sandy slightly organic silty CLAY. Gravel is fine to medium flint

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	96
10.000	93
6.300	92
5.000	92
3.350	92
2.000	91
1.180	91
0.600	90
0.425	89
0.300	88
0.212	87
0.150	85
0.063	80

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	69
0.006	51
0.002	38



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	8.6
Sand	11.4
Silt	41.8
Clay	38.2



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:

Date - sample testing commenced : 20/01/2022

Date - sample testing completed : 22/01/2022

Checked / Approved by: KM

Date Approved: 04/02/2022

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

CONCEPT

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Email: lab@conceptconsultants.co.uk

CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

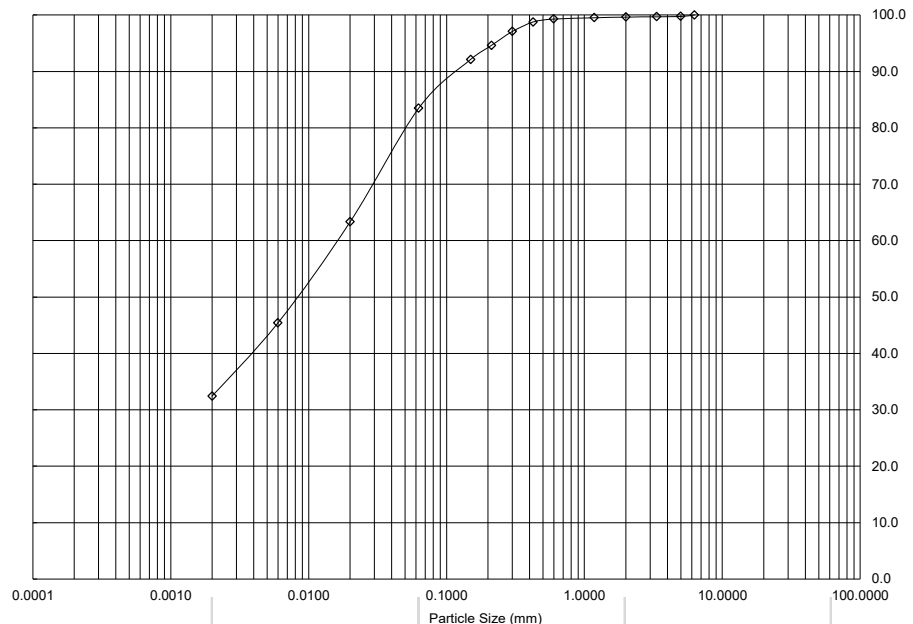
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCI Hayes London Limited			Date Reported: 04/02/2022	
Borehole No: BH107	Sample Type/No. D 20	Top Depth: 7.00 m	Bottom Depth: m	

Soil Description:

Grey slightly sandy silty CLAY with rare fine flint gravel

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	99
0.425	99
0.300	97
0.212	95
0.150	92
0.063	84

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	63
0.006	45
0.002	32



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.3
Sand	16.1
Silt	51.1
Clay	32.4



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:

Date - sample testing commenced : 20/01/2022

Date - sample testing completed : 22/01/2022

Checked / Approved by: KM

Date Approved: 04/02/2022

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION TEST

BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

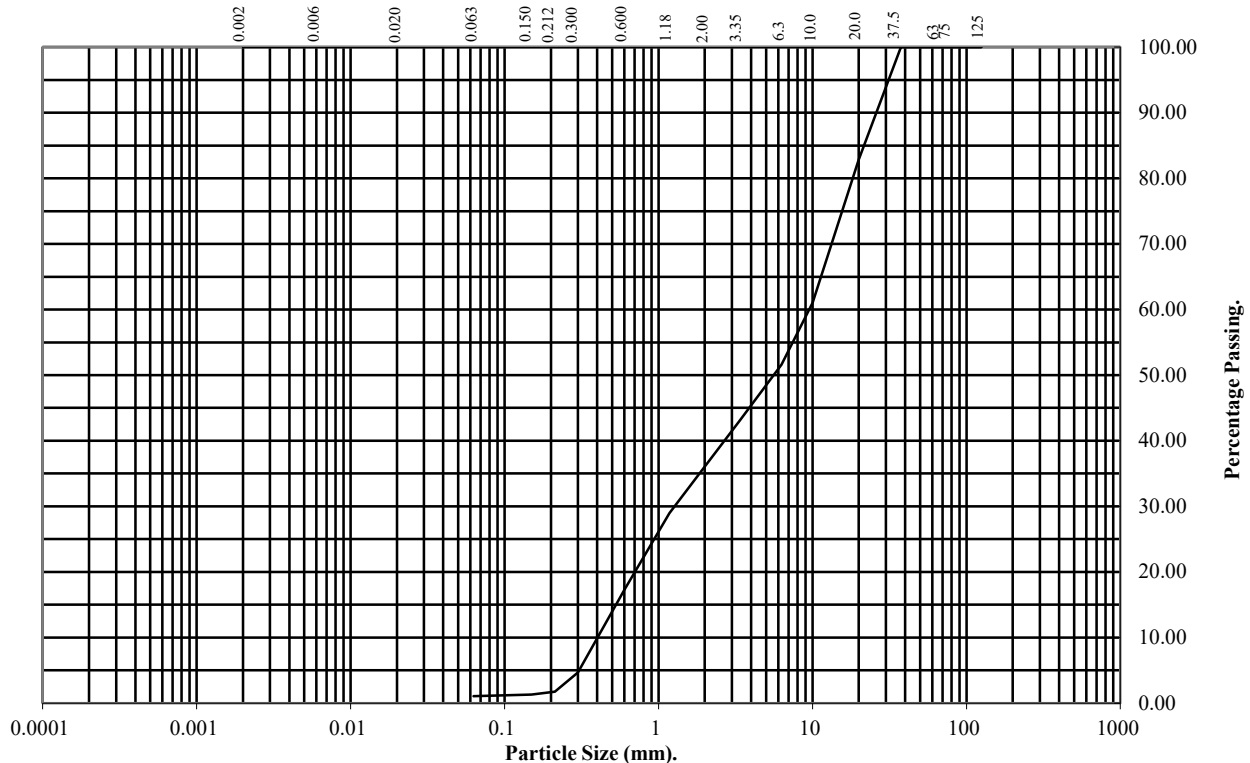
Hole Number: BH107

Top Depth (m): 8.00

Sample Number: AMAL

Base Depth(m): 11.00

Sample Type: AMAL



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	83
10	61
6.3	52
3.35	43
2	36
1.18	29
0.6	17
0.3	5
0.212	2
0.15	1
0.063	1

Soil Fraction	Total Percentage
Cobbles	0
Gravel	64
Sand	35
Silt/Clay	1

Remarks:

See Summary of Soil Descriptions



PSL
Professional Soils Laboratory

L4 Colt DCS Data Centre

Contract No:
PSL22/0490
Client Ref:
21/3600

CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

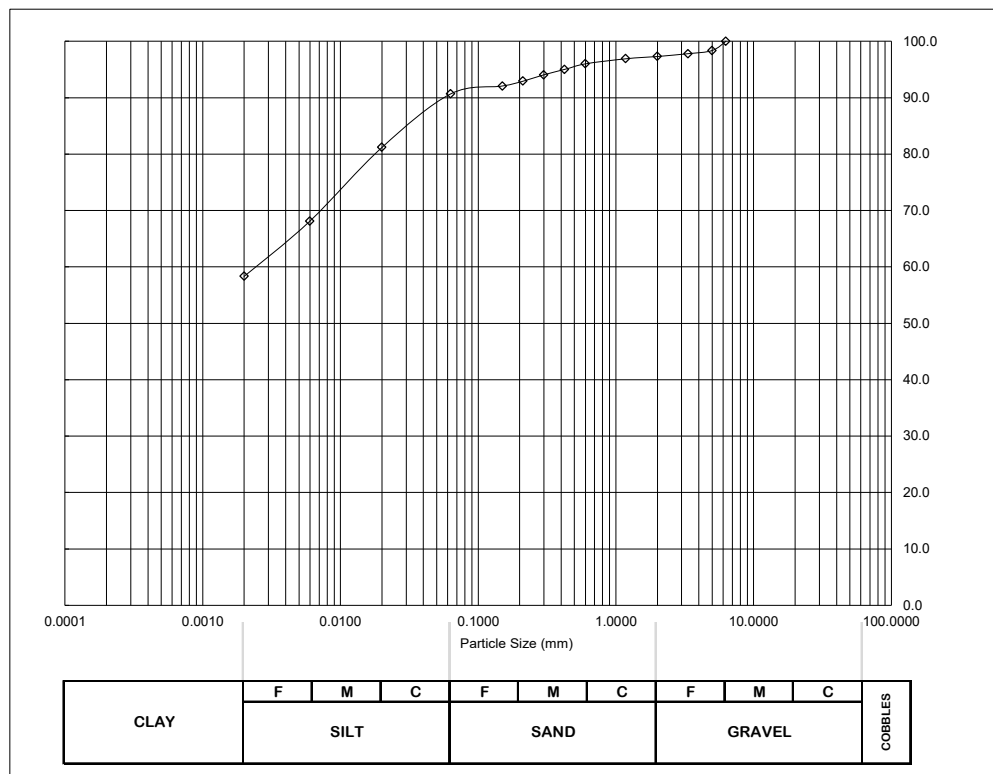
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	04/02/2022
Borehole No:	BH107	Sample Type/No.	D 31
		Top Depth:	14.00 m
		Bottom Depth:	m

Soil Description:

Orangish brown slightly sandy silty CLAY with occasional fine flint gravel

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	98
3.350	98
2.000	97
1.180	97
0.600	96
0.425	95
0.300	94
0.212	93
0.150	92
0.063	91

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	81
0.006	68
0.002	58



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	2.7
Sand	6.6
Silt	32.3
Clay	58.3



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	
Date - sample testing commenced : 21/01/2022	Checked / Approved by: KM
Date - sample testing completed : 25/01/2022	Date Approved: 04/02/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)	

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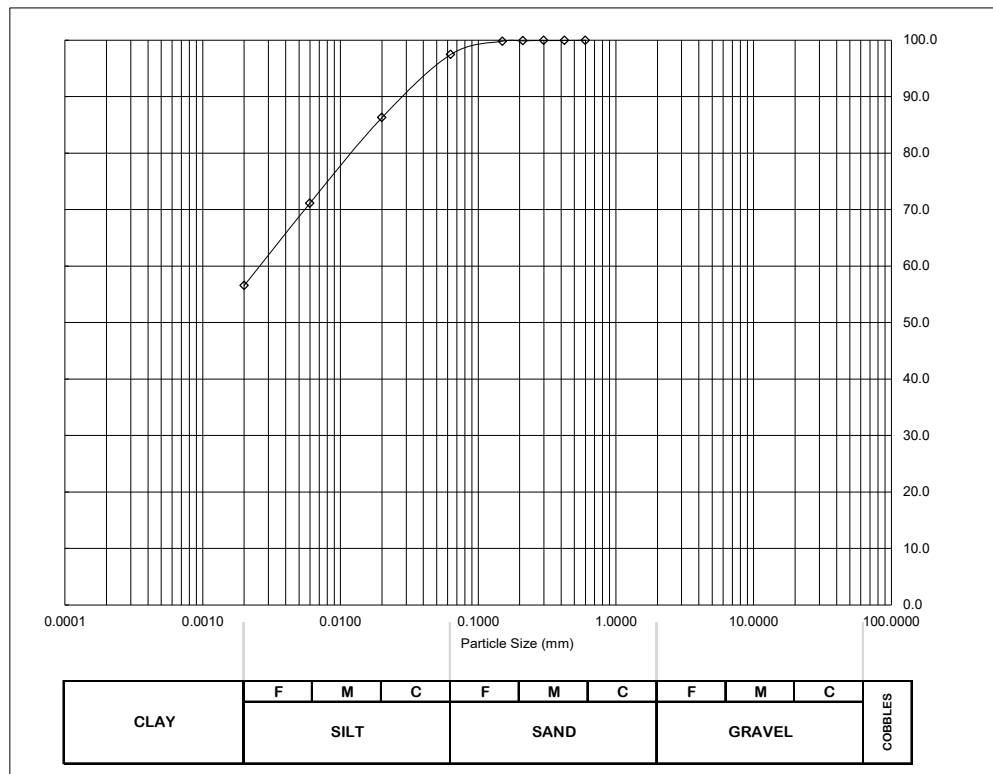
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 21/01/2022	
Borehole No: BH107	Sample Type/No. U 35	Top Depth: 15.50 m		Bottom Depth: 15.95 m	

Soil Description:

Firm to stiff, very closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and pyrite nodules (<20mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	97

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	86
0.006	71
0.002	57



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	2.6
Silt	40.9
Clay	56.6



4503

Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	10/11/2021	Checked / Approved by:	KM
Date - sample testing commenced :	14/01/2022	Date Approved:	20/01/2022
Date - sample testing completed :	19/01/2022		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

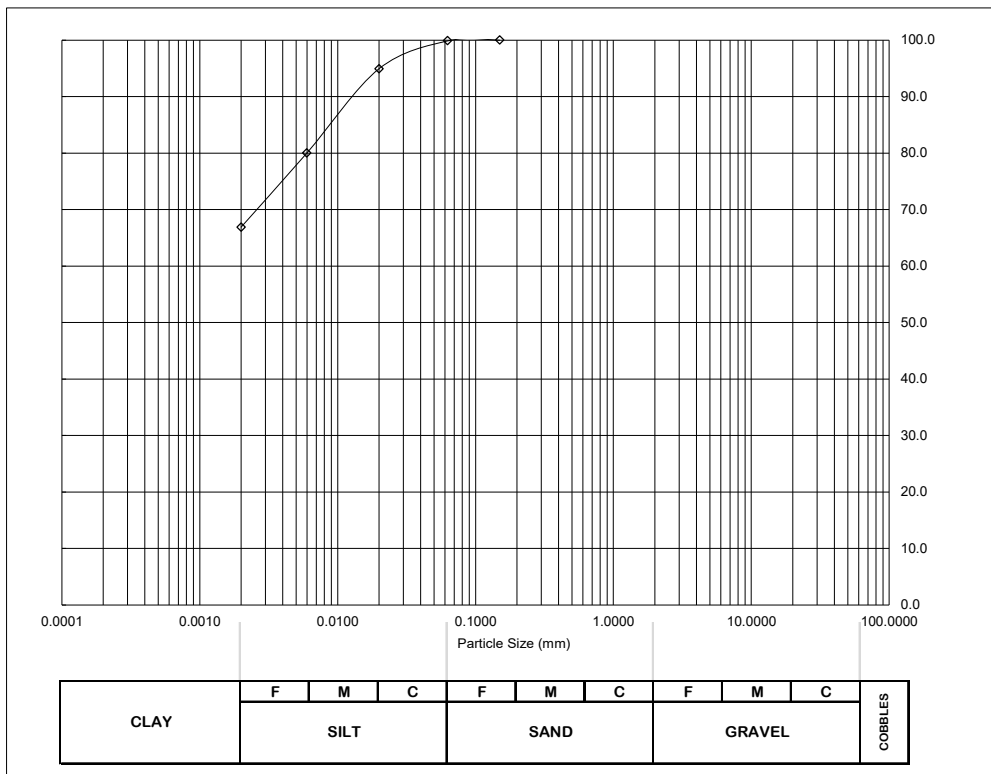
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 21/01/2022	
Borehole No: BH107	Sample Type/No. UT 45	Top Depth: 18.50 m		Bottom Depth: 18.95 m	

Soil Description:

Stiff, very closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<2mm) and pyrite nodules (<2mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	95
0.006	80
0.002	67



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.1
Silt	33.0
Clay	66.9



4503

Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	10/11/2021	Checked / Approved by:	KM
Date - sample testing commenced :	14/01/2022	Date Approved:	20/01/2022
Date - sample testing completed :	19/01/2022		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION

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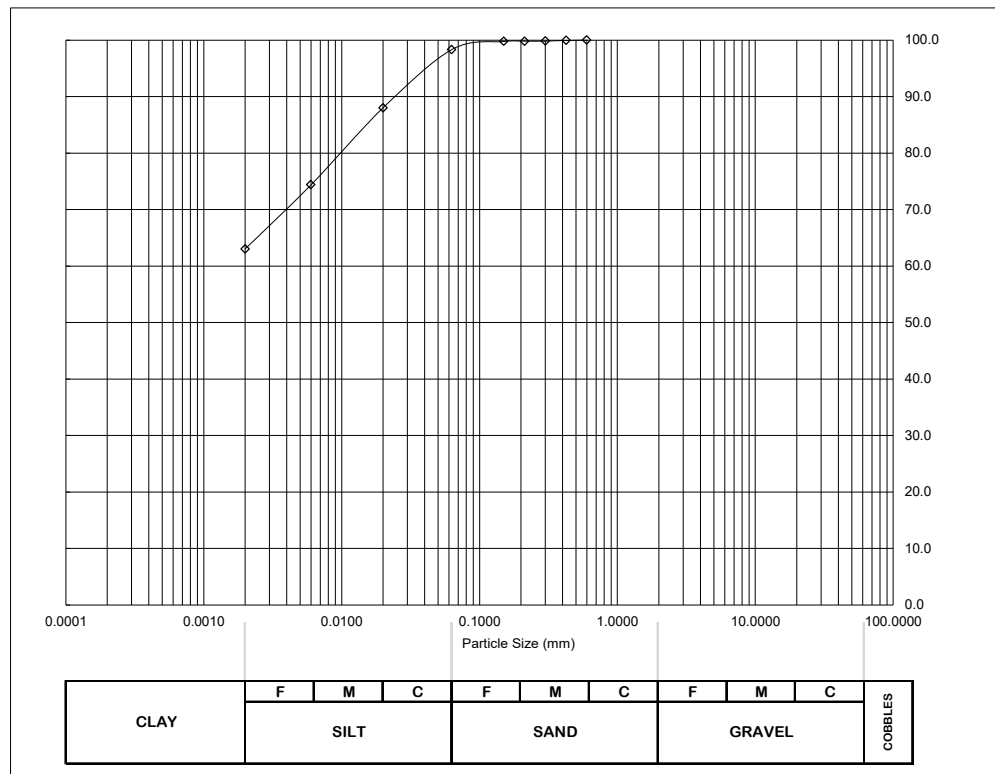
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 21/01/2022	
Borehole No: BH107	Sample Type/No. UT 56	Top Depth: 21.50 m		Bottom Depth: 21.95 m	

Soil Description:

Stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	98

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	88
0.006	74
0.002	63



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.7
Silt	35.3
Clay	63.0



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	10/11/2021	Checked / Approved by:	KM
Date - sample testing commenced :	14/01/2022	Date Approved:	20/01/2022
Date - sample testing completed :	19/01/2022		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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TEST REPORT

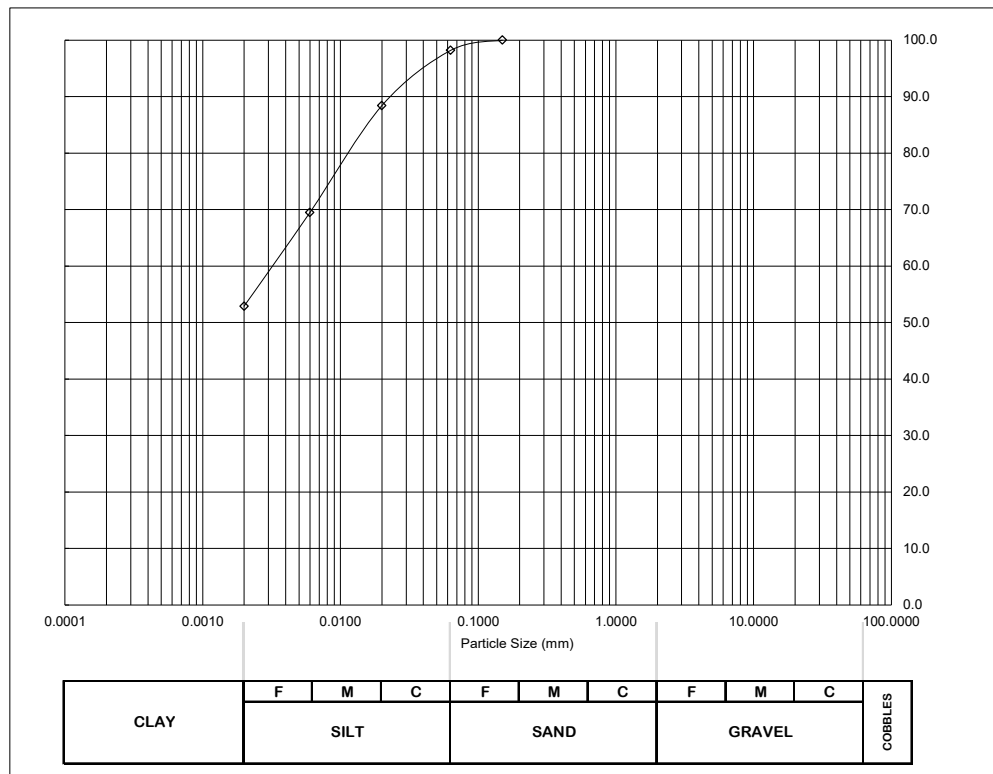
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 21/01/2022	
Borehole No: BH107	Sample Type/No. U 64	Top Depth: 24.00 m		Bottom Depth: 24.45 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm), pockets of silt (<15mm) and 1No pocket of pyrite nodules (<30mm) at 24.14m

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	98

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	88
0.006	69
0.002	53



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.8
Silt	45.3
Clay	52.9



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	10/11/2021	Checked / Approved by: KM Date Approved: 20/01/2022
Date - sample testing commenced :	14/01/2022	
Date - sample testing completed :	19/01/2022	

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

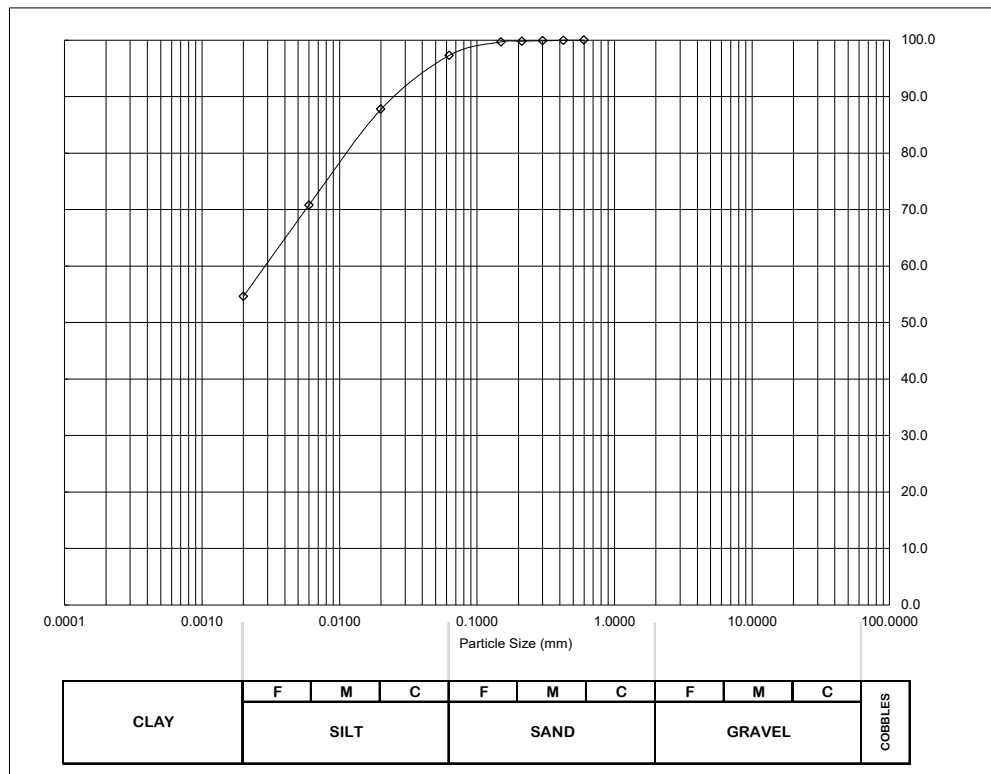
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCl Hayes London Limited				Date Reported: 21/01/2022	
Borehole No: BH107	Sample Type/No. UT 70	Top Depth: 26.00 m		Bottom Depth: 26.45 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm), partings of silt (<2mm) and 1No pocket of pyrite nodules (20mm) at 26.13m

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	97

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	88
0.006	71
0.002	55



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	2.7
Silt	42.7
Clay	54.6



Remarks: Pyrite nodule - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	10/11/2021	Checked / Approved by:	KM
Date - sample testing commenced :	14/01/2022	Date Approved:	20/01/2022
Date - sample testing completed :	19/01/2022		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION

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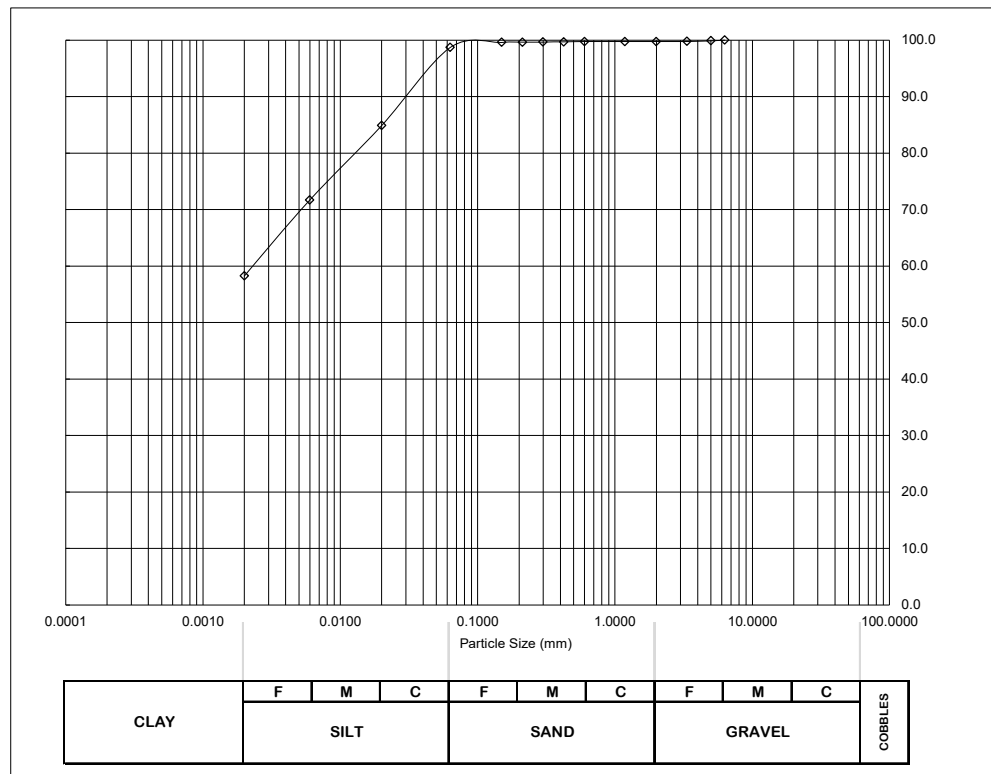
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 21/01/2022	
Borehole No: BH107	Sample Type/No. U	79	Top Depth: 28.50 m	Bottom Depth: 28.95 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	85
0.006	72
0.002	58



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.3
Sand	1.1
Silt	40.4
Clay	58.2



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	10/11/2021	Checked / Approved by:	KM
Date - sample testing commenced :	14/01/2022	Date Approved:	20/01/2022
Date - sample testing completed :	19/01/2022		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

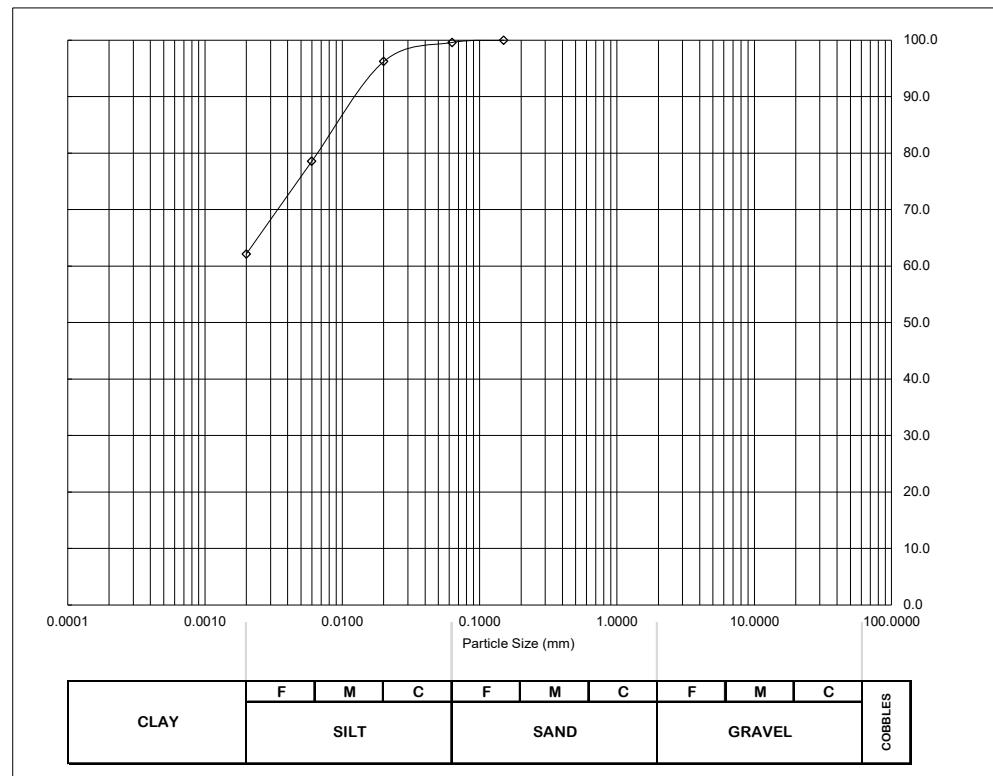
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 21/01/2022	
Borehole No: BH107	Sample Type/No. U 84	Top Depth: 30.00 m		Bottom Depth: 30.45 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare partings of silt (<3mm) and pockets of silt (<50mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	96
0.006	79
0.002	62



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.4
Silt	37.4
Clay	62.1



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	10/11/2021	Checked / Approved by:	KM
Date - sample testing commenced :	14/01/2022	Date Approved:	20/01/2022
Date - sample testing completed :	19/01/2022		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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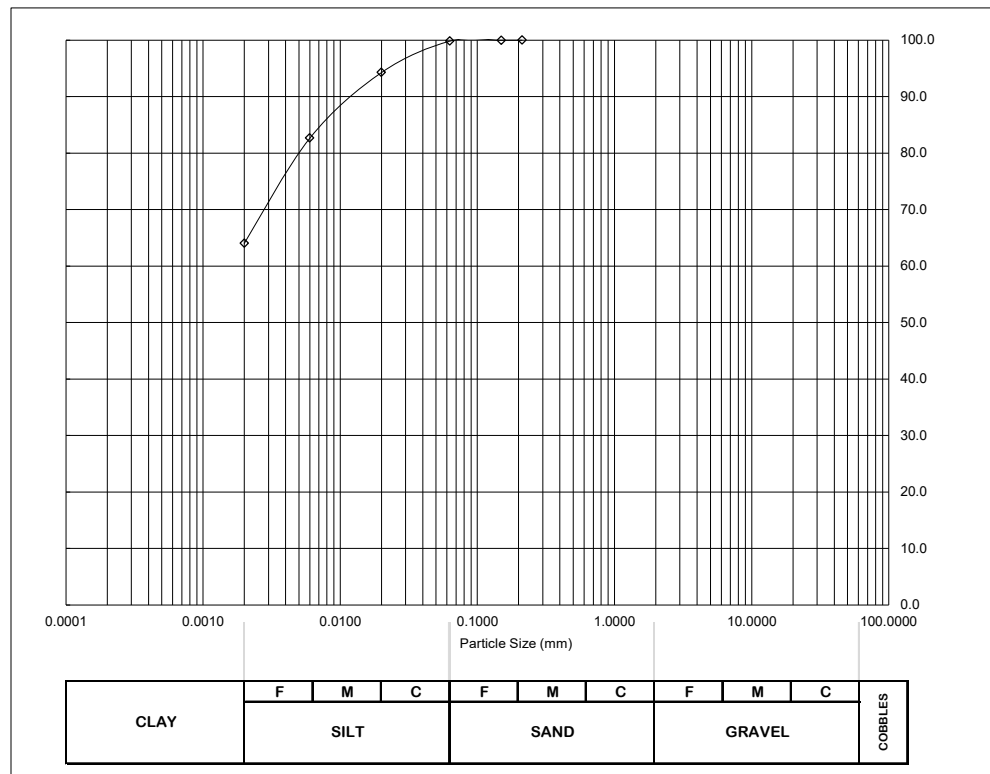
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH107	Sample Type/No. UT 90	Top Depth: 32.00 m		Bottom Depth: 32.45 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and pockets of silt (<15mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	94
0.006	83
0.002	64



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.2
Silt	35.8
Clay	64.0



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:

Date - sample testing commenced : 18/01/2022

Date - sample testing completed : 20/01/2022

Checked / Approved by: KM

Date Approved: 04/02/2022

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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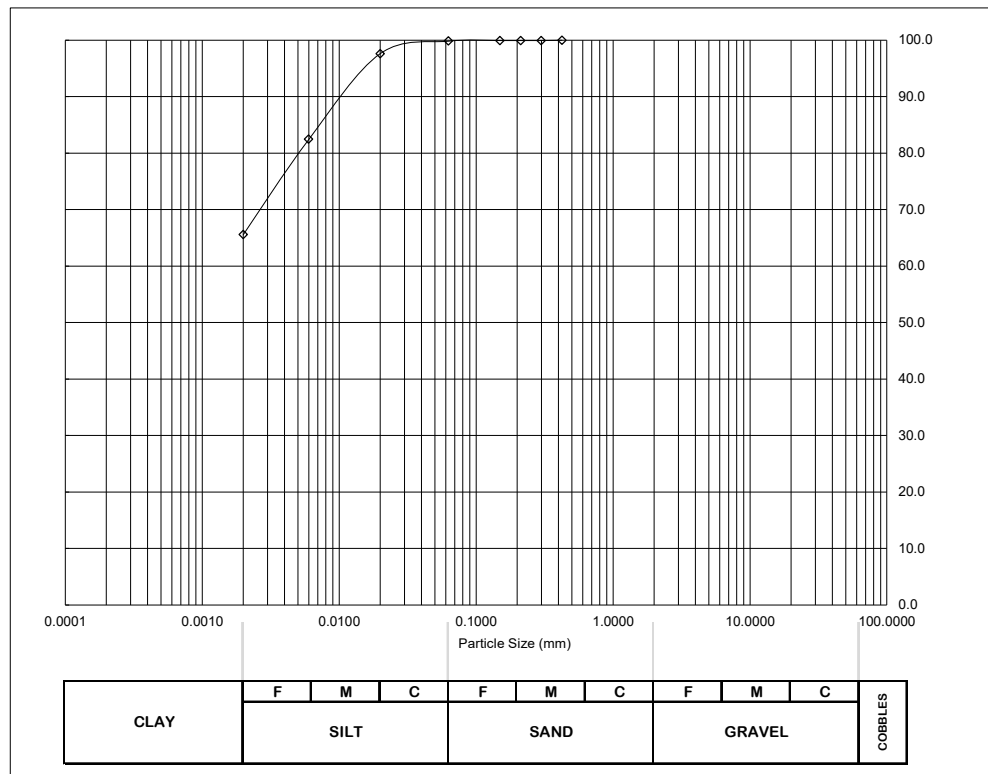
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 21/01/2022	
Borehole No: BH107	Sample Type/No. U 95	Top Depth: 33.00 m		Bottom Depth: 33.45 m	

Soil Description:

Stiff, very closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	98
0.006	82
0.002	66



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.2
Silt	34.3
Clay	65.6



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	10/11/2021	Checked / Approved by:	KM
Date - sample testing commenced :	14/01/2022	Date Approved:	20/01/2022
Date - sample testing completed :	19/01/2022		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

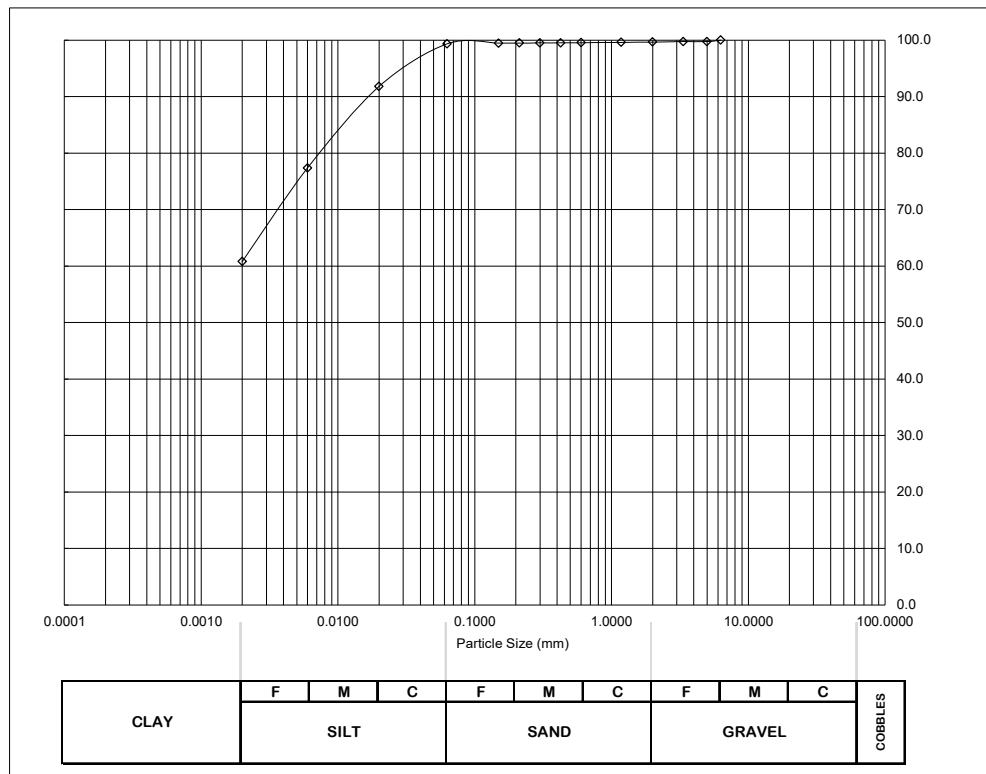
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH107	Sample Type/No. U	100	Top Depth: 35.00 m	Bottom Depth: 35.45 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and pyrite nodules (<40mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	99
0.300	99
0.212	99
0.150	99
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	92
0.006	77
0.002	61



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.4
Sand	0.3
Silt	38.5
Clay	60.8



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:

Date - sample testing commenced : 18/01/2022

Date - sample testing completed : 20/01/2022

Checked / Approved by: KM

Date Approved: 04/02/2022

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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Email: lab@conceptconsultants.co.uk

CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

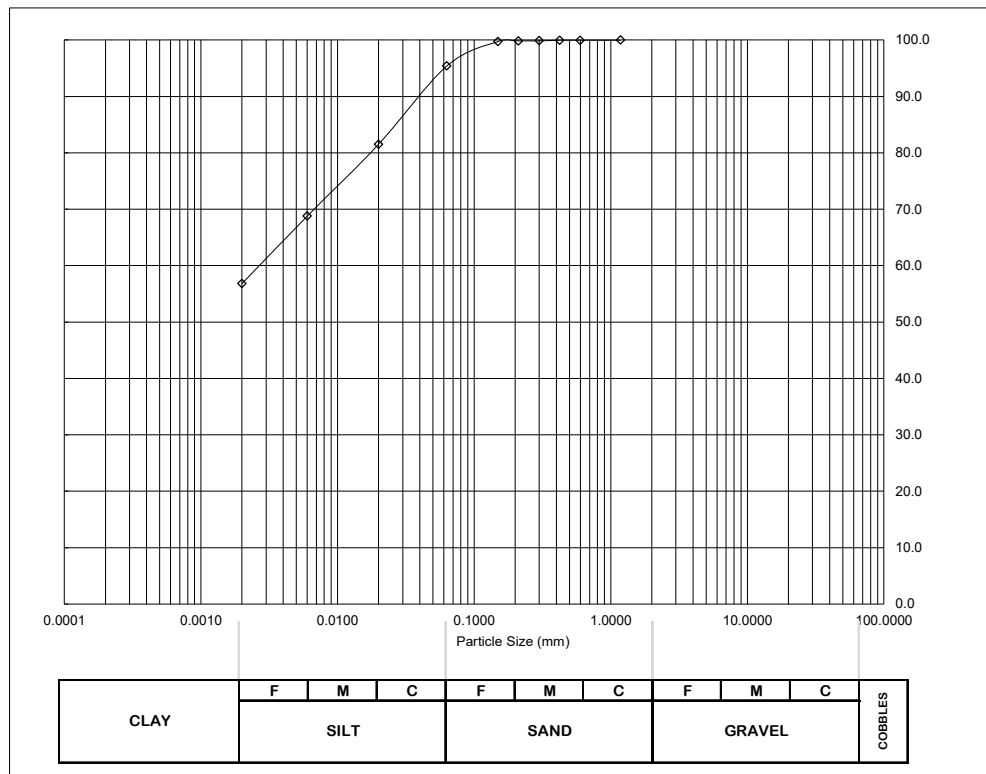
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 21/01/2022	
Borehole No: BH107	Sample Type/No. U	106	Top Depth: 38.00 m	Bottom Depth: 38.45 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and pyrite nodules (<15mm), becoming soft between 38.25m and 38.26m

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	95

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	81
0.006	69
0.002	57



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	4.6
Silt	38.6
Clay	56.8



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	10/11/2021		
Date - sample testing commenced :	14/01/2022	Checked / Approved by:	KM
Date - sample testing completed :	19/01/2022	Date Approved:	20/01/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

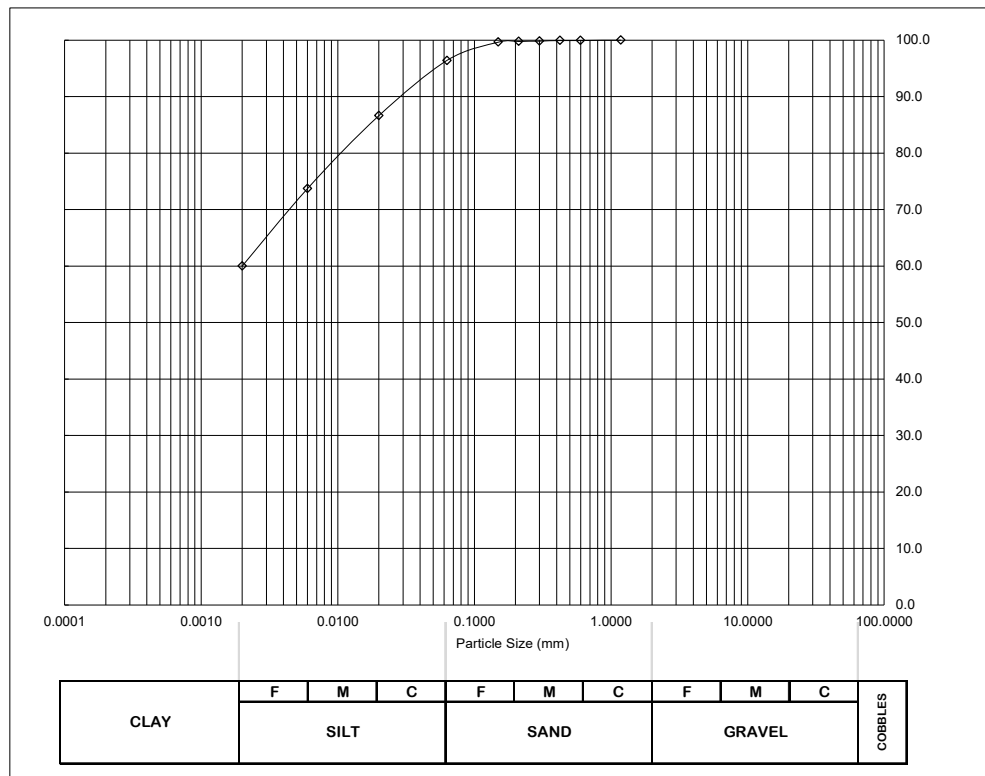
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 21/01/2022	
Borehole No: BH107	Sample Type/No. UT 112	Top Depth: 41.00 m		Bottom Depth: 41.45 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	96

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	87
0.006	74
0.002	60



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	3.6
Silt	36.4
Clay	60.0



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	10/11/2021	Checked / Approved by: KM Date Approved: 20/01/2022
Date - sample testing commenced :	14/01/2022	
Date - sample testing completed :	19/01/2022	
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)		

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

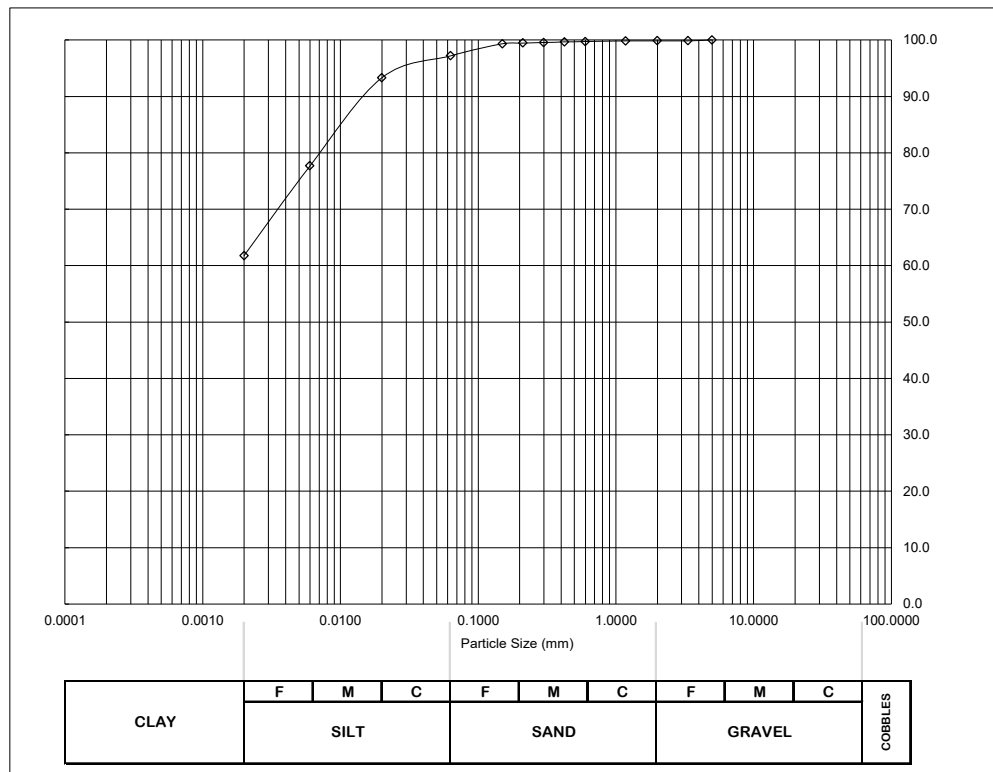
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	21/01/2022
Borehole No:	BH107	Sample Type/No.	UT 115
		Top Depth:	42.50 m
		Bottom Depth:	42.95 m

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<5mm), pyrite nodules (<4mm) and occasional pockets of brown silt (<25mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	99
0.150	99
0.063	97

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	93
0.006	78
0.002	62



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.1
Sand	2.7
Silt	35.4
Clay	61.8



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	10/11/2021
Date - sample testing commenced :	14/01/2022
Date - sample testing completed :	19/01/2022

Checked / Approved by:	KM
Date Approved:	20/01/2022

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

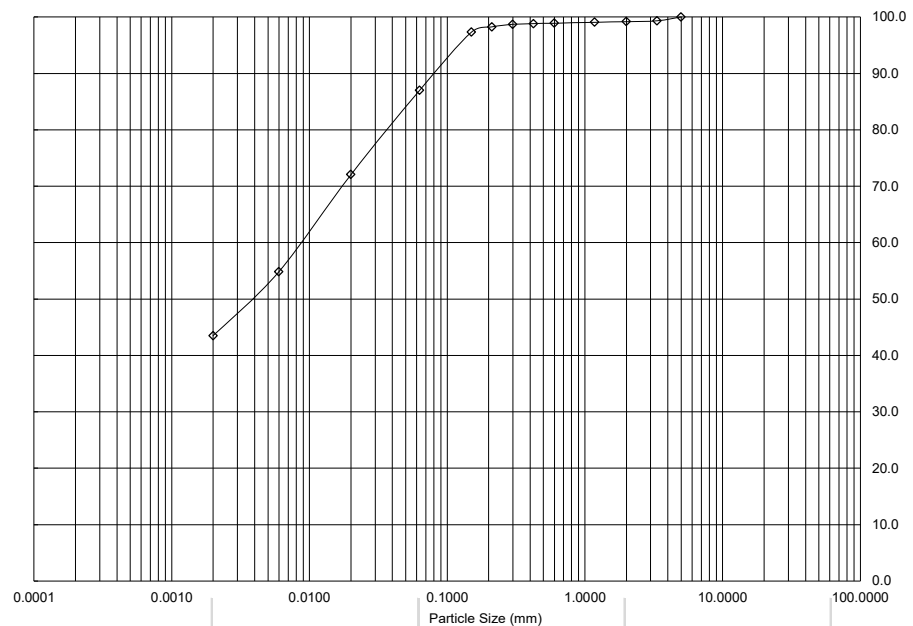
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 21/01/2022	
Borehole No: BH107	Sample Type/No. UT 121	Top Depth: 45.50 m		Bottom Depth: 45.95 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly sandy slightly micaceous silty CLAY with frequent shell fragments (<22mm) and occasional pockets of light brown silty sand (<30mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	99
2.000	99
1.180	99
0.600	99
0.425	99
0.300	99
0.212	98
0.150	97
0.063	87

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	72
0.006	55
0.002	44



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type: Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.8
Sand	12.2
Silt	43.5
Clay	43.5



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received: 10/11/2021		
Date - sample testing commenced: 14/01/2022	Checked / Approved by: KM	
Date - sample testing completed: 19/01/2022	Date Approved: 20/01/2022	

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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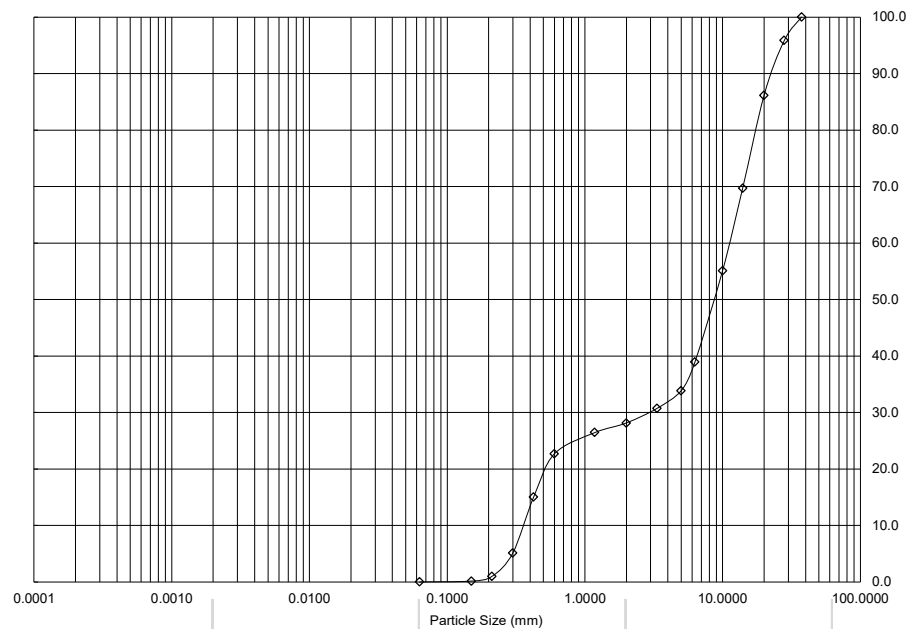
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCI Hayes London Limited			Date Reported: 04/02/2022	
Borehole No: BH108	Sample Type/No. B 9	Top Depth: 2.00 m	Bottom Depth: 2.50 m	

Soil Description:

Orangish brown very sandy fine to coarse flint GRAVEL with rare pockets of clay

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	96
20.000	86
14.000	70
10.000	55
6.300	39
5.000	34
3.350	31
2.000	28
1.180	26
0.600	23
0.425	15
0.300	5
0.212	1
0.150	0
0.063	0

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	
0.006	
0.002	



CLAY	F	M	C	F	M	C	F	M	C	GRAVEL	COBBLES
	SILT			SAND							

Method/type: Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
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Particle Proportions %	
Cobbles	
Gravel	71.9
Sand	28.1
Silt and Clay	



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received: 22/10/2021		
Date - sample testing commenced: 24/01/2022	Checked / Approved by: KM	
Date - sample testing completed: 24/01/2022	Date Approved: 04/02/2022	
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)		

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TEST REPORT

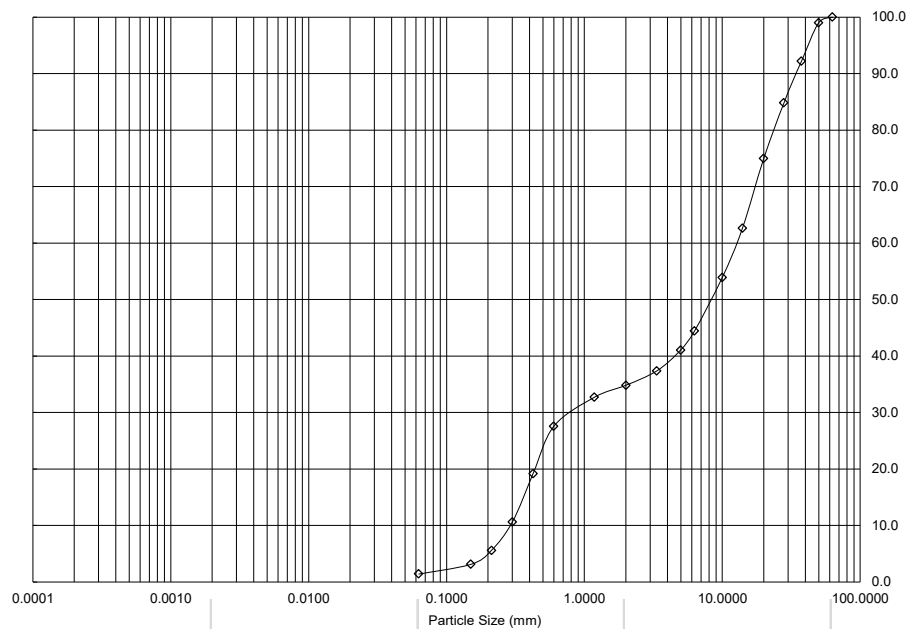
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCI Hayes London Limited			Date Reported: 04/02/2022	
Borehole No: BH108	Sample Type/No. B 16	Top Depth: 8.00 m	Bottom Depth: 8.50 m	

Soil Description:

Orangish brown sandy fine to coarse flint GRAVEL with rare pockets of clay

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	99
37.500	92
28.000	85
20.000	75
14.000	63
10.000	54
6.300	44
5.000	41
3.350	37
2.000	35
1.180	33
0.600	28
0.425	19
0.300	11
0.212	6
0.150	3
0.063	1

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	
0.006	
0.002	



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type: Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
--------------------------	---

Particle Proportions %	
Cobbles	
Gravel	65.2
Sand	33.4
Silt and Clay	1.4



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received: 22/10/2021	
Date - sample testing commenced : 24/01/2022	Checked / Approved by: KM
Date - sample testing completed : 27/01/2022	Date Approved: 04/02/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)	

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TEST REPORT

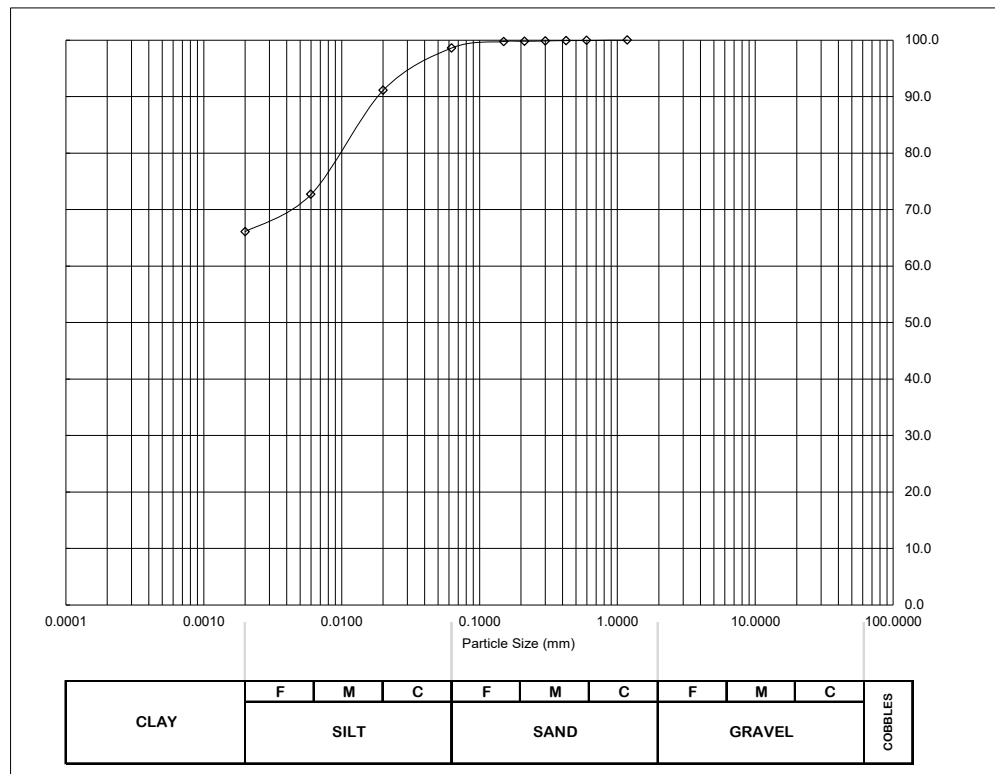
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	04/02/2022
Borehole No:	BH108	Sample Type/No.	UT 20
		Top Depth:	10.00 m
		Bottom Depth:	10.45 m

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and occasional pyrite nodules (<13mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	91
0.006	73
0.002	66



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.4
Silt	32.5
Clay	66.1



4503

Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	22/10/2021
Date - sample testing commenced :	25/01/2022
Date - sample testing completed :	31/01/2022

Checked / Approved by: KM
Date Approved: 04/02/2022

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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TEST REPORT

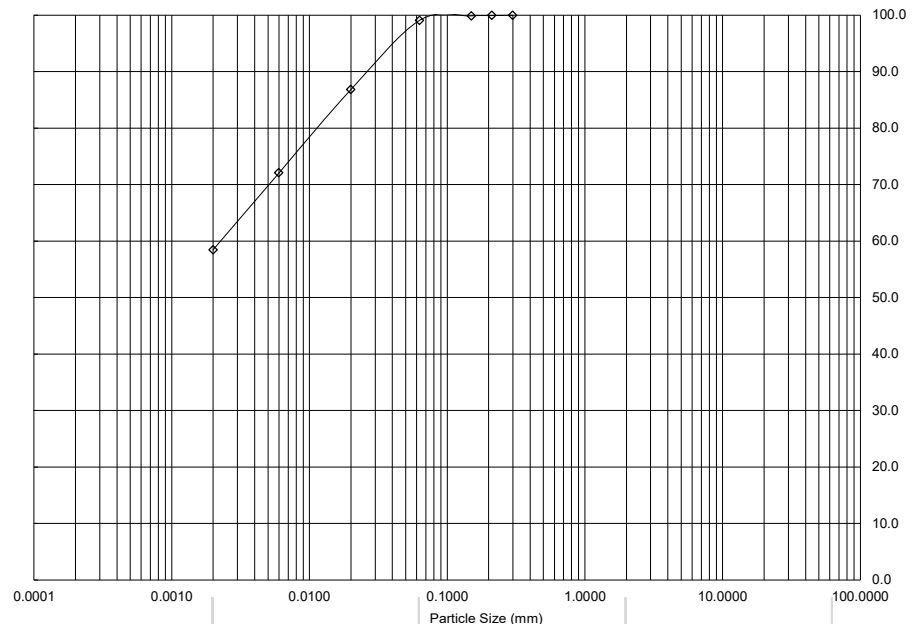
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	04/02/2022
Borehole No:	BH108	Sample Type/No.	U 30
		Top Depth:	13.00 m
		Bottom Depth:	13.45 m

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and rare pockets of silt (30mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	87
0.006	72
0.002	58



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.0
Silt	40.6
Clay	58.4



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	22/10/2021	Checked / Approved by:	KM
Date - sample testing commenced :	26/01/2022	Date Approved:	04/02/2022
Date - sample testing completed :	01/02/2022		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

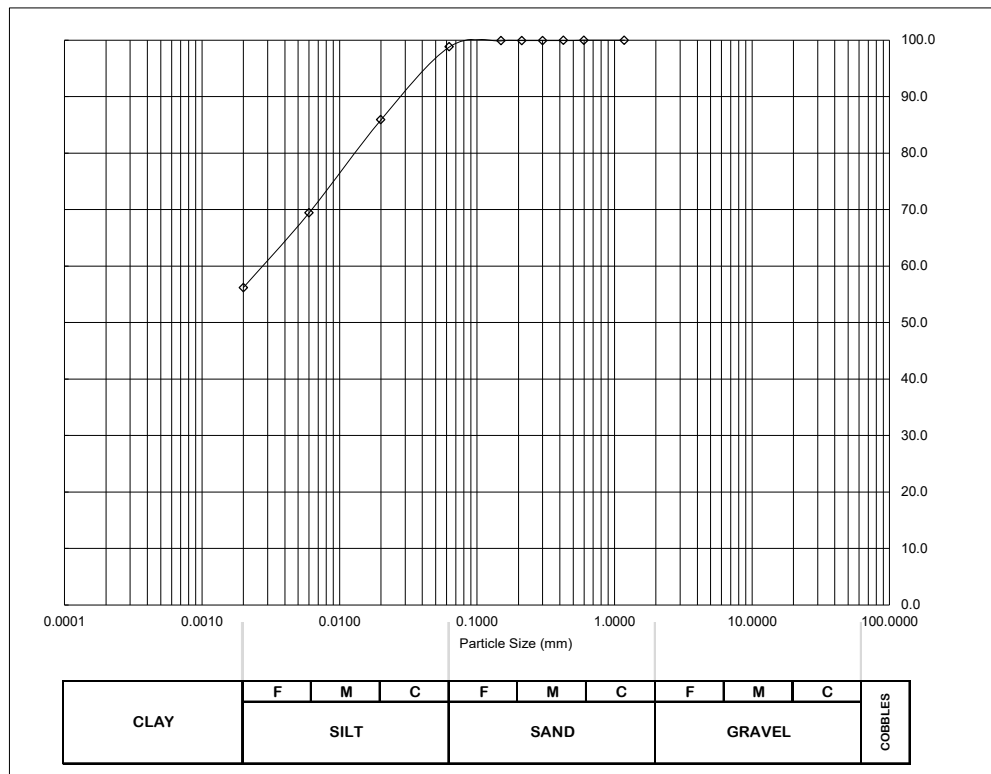
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCl Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH108	Sample Type/No. UT	43	Top Depth: 17.00 m	Bottom Depth: 17.45 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	86
0.006	69
0.002	56



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.2
Silt	42.6
Clay	56.2



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	22/10/2021		
Date - sample testing commenced :	26/01/2022	Checked / Approved by:	KM
Date - sample testing completed :	01/02/2022	Date Approved:	04/02/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

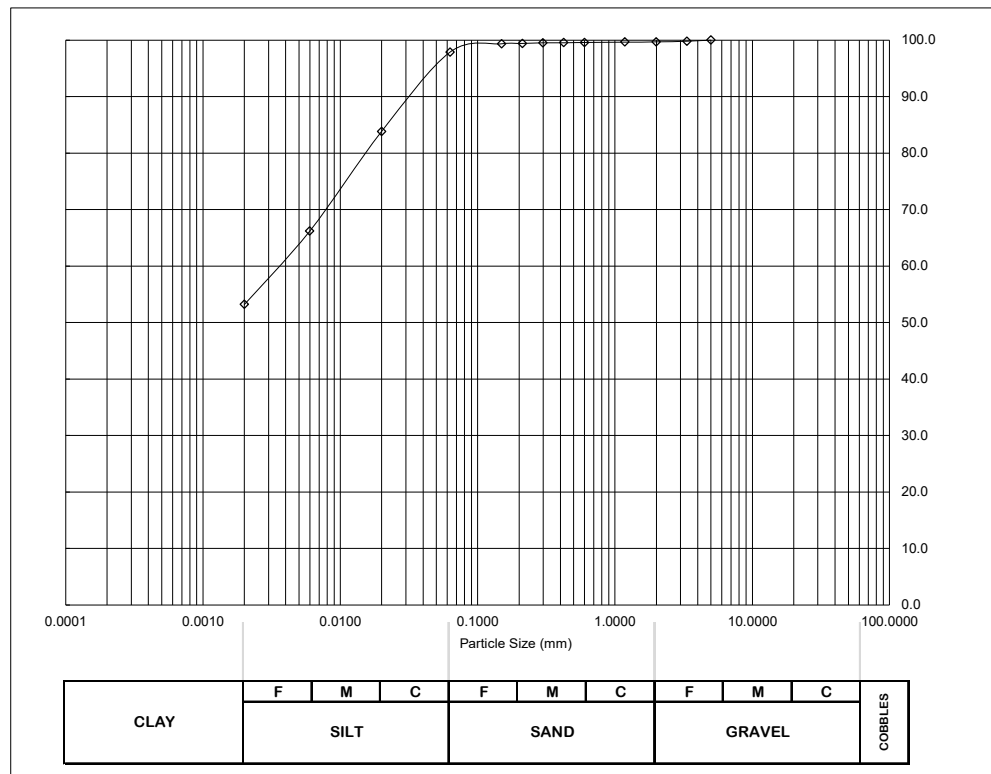
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	04/02/2022
Borehole No:	BH108	Sample Type/No.	U 51
		Top Depth:	19.50 m
		Bottom Depth:	19.95 m

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and rare pyrite nodules (<5mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	99
0.150	99
0.063	98

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	84
0.006	66
0.002	53



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.3
Sand	1.8
Silt	44.7
Clay	53.2



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	22/10/2021	Checked / Approved by:	KM
Date - sample testing commenced :	26/01/2022	Date Approved:	04/02/2022
Date - sample testing completed :	01/02/2022		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

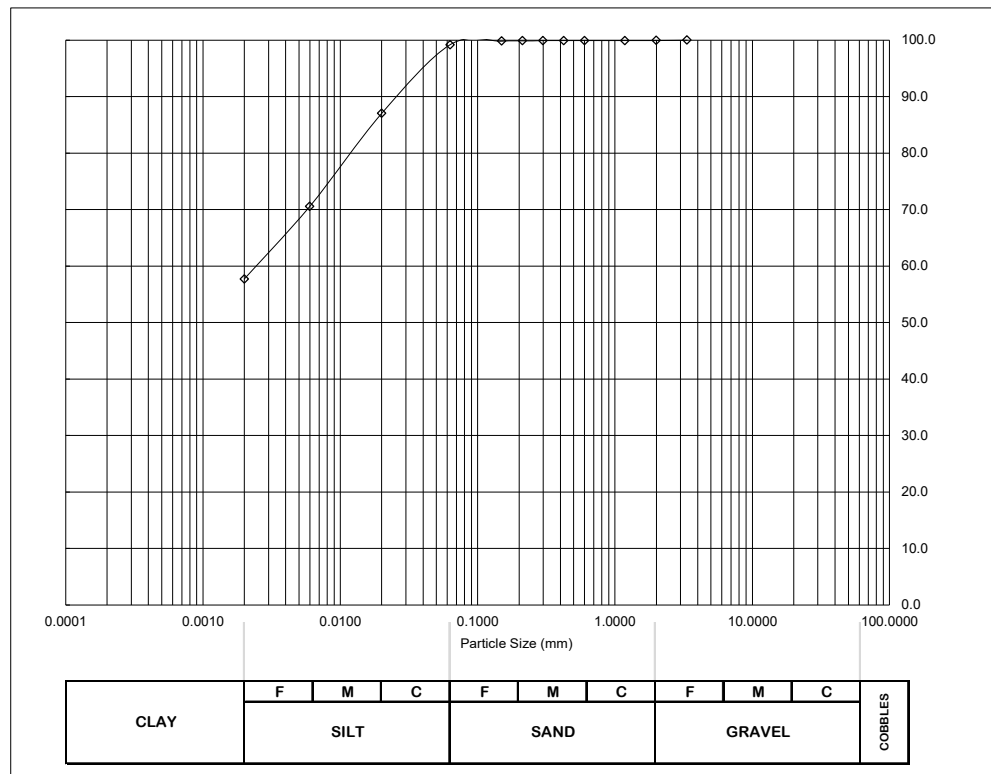
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	04/02/2022
Borehole No:	BH108	Sample Type/No.	U 56
		Top Depth:	21.00 m
		Bottom Depth:	21.45 m

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and rare pyrite nodules (<10mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	87
0.006	71
0.002	58



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.1
Sand	0.8
Silt	41.5
Clay	57.7



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	22/10/2021	
Date - sample testing commenced :	26/01/2022	Checked / Approved by: KM
Date - sample testing completed :	01/02/2022	Date Approved: 04/02/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)		

CONCEPT
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Email: lab@conceptconsultants.co.uk

CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

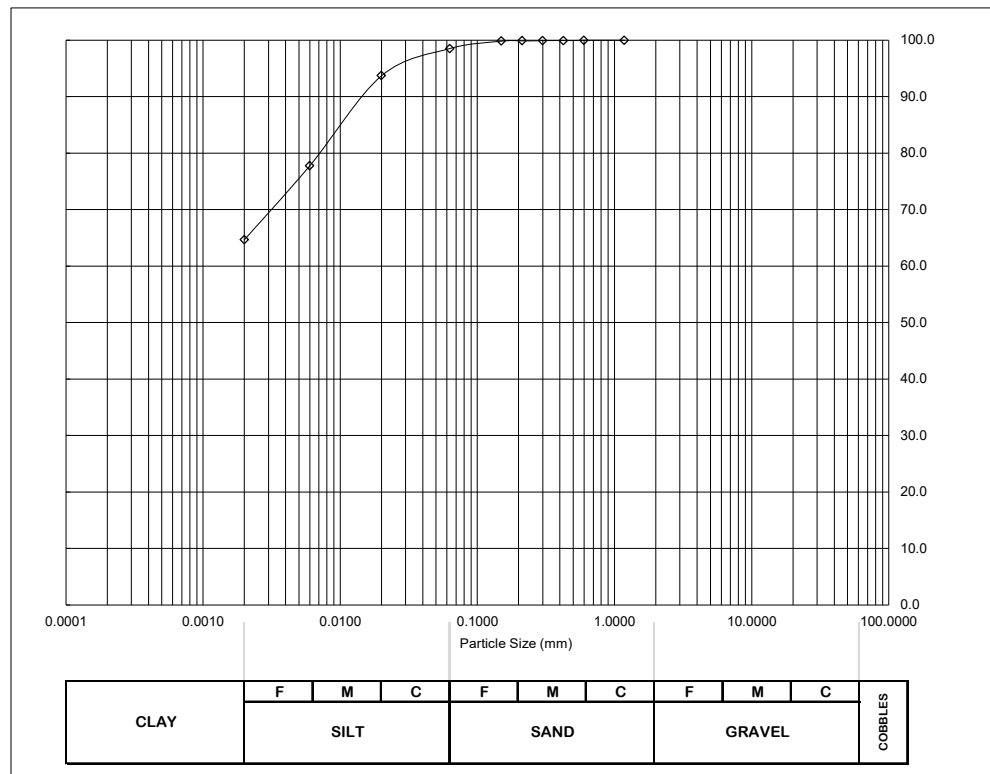
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH108	Sample Type/No. UT 62	Top Depth: 23.00 m		Bottom Depth: 23.45 m	

Soil Description:

Stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm), rare pyrite nodules (<10mm) and 1No pocket of claystone fragments (<60mm) at 23.17m; becoming very stiff at 23.09m

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	98

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	94
0.006	78
0.002	65



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.5
Silt	33.8
Clay	64.6



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	22/10/2021		
Date - sample testing commenced :	26/01/2022	Checked / Approved by:	KM
Date - sample testing completed :	01/02/2022	Date Approved:	04/02/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

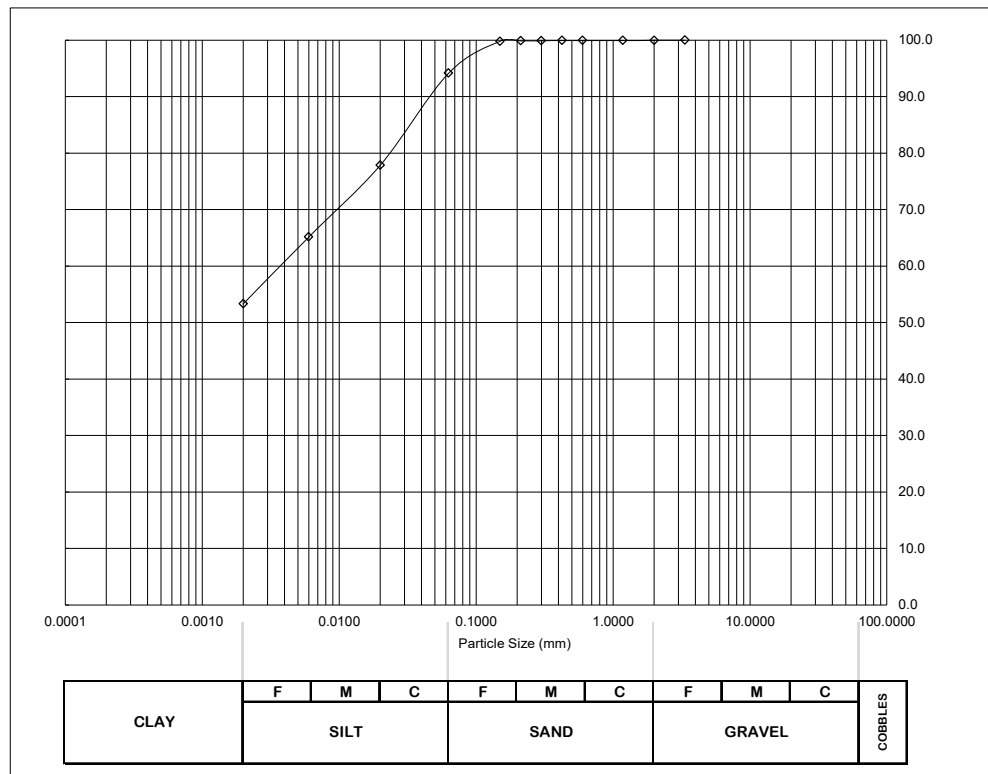
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH108	Sample Type/No. U 66	Top Depth: 24.00 m		Bottom Depth: 24.45 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare pockets of light grey silt (<28mm), shell fragments (<1mm) and pyrite nodules (<8mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	94

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	78
0.006	65
0.002	53



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.1
Sand	5.8
Silt	40.9
Clay	53.3



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	22/10/2021	Checked / Approved by: KM Date Approved: 04/02/2022
Date - sample testing commenced :	26/01/2022	
Date - sample testing completed :	01/02/2022	

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION TEST

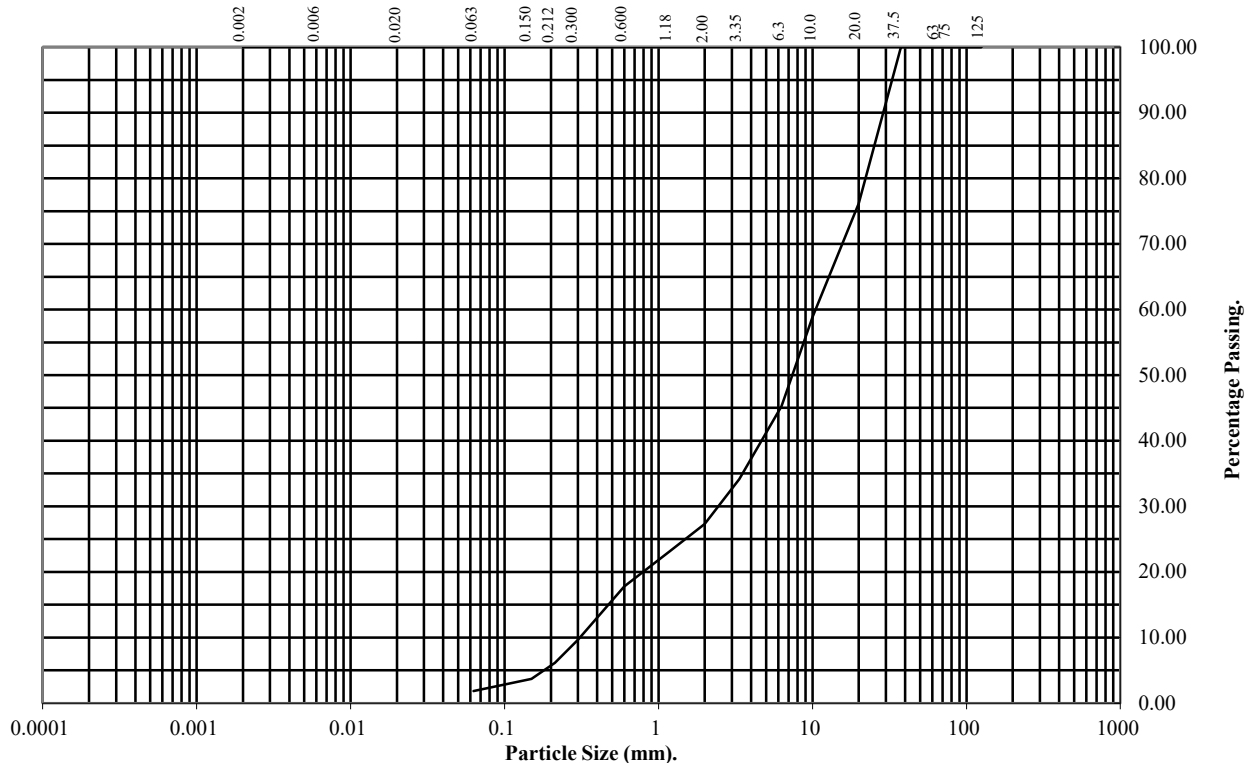
BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

Hole Number: BH109 Top Depth (m): 6.00

Sample Number: AMAL Base Depth(m): 7.50

Sample Type: AMAL



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	76
10	59
6.3	45
3.35	34
2	27
1.18	23
0.6	18
0.3	10
0.212	6
0.15	4
0.063	2

Soil Fraction	Total Percentage
Cobbles	0
Gravel	73
Sand	25
Silt/Clay	2

Remarks:

See Summary of Soil Descriptions



PSL
Professional Soils Laboratory

L4 Colt DCS Data Centre

Contract No:
PSL22/0750
Client Ref:
21/3600

CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

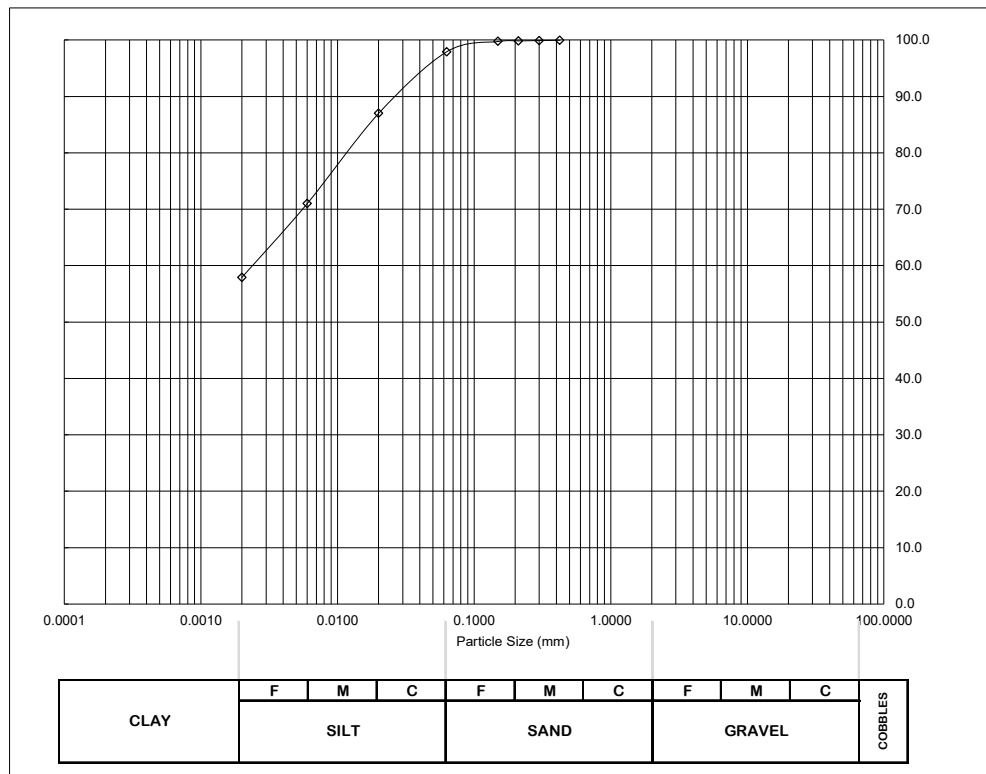
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH109	Sample Type/No. UT	10	Top Depth: 8.50 m	Bottom Depth: 8.95 m	

Soil Description:

Stiff to very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	98

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	87
0.006	71
0.002	58



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	2.1
Silt	40.0
Clay	57.9



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	22/10/2021		
Date - sample testing commenced :	26/01/2022	Checked / Approved by:	KM
Date - sample testing completed :	01/02/2022	Date Approved:	04/02/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

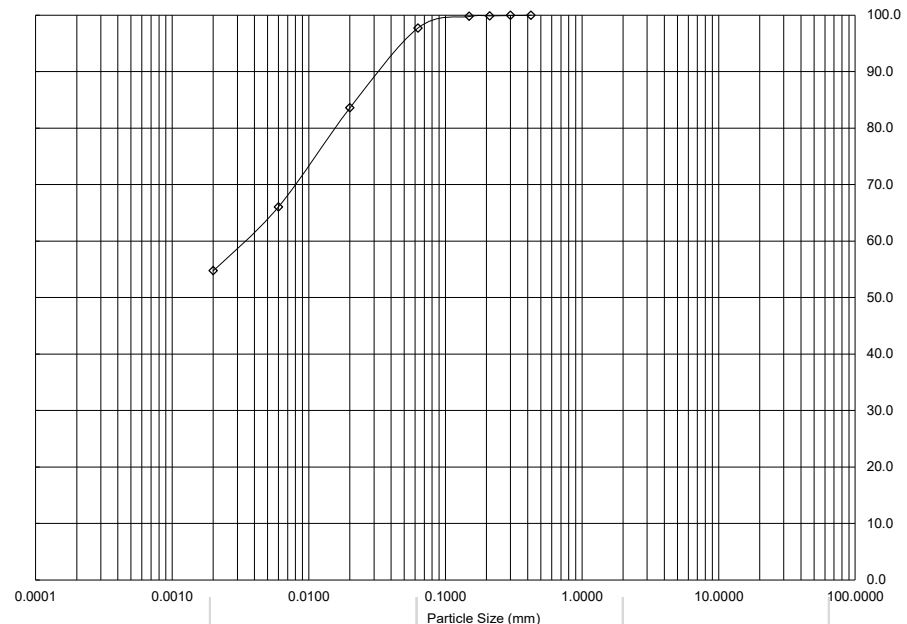
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH109	Sample Type/No. U 19	Top Depth: 11.00 m		Bottom Depth: 11.45 m	

Soil Description:

Stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) becoming very stiff at 11.07m

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	98

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	84
0.006	66
0.002	55



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	2.3
Silt	43.0
Clay	54.7



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	22/10/2021	Checked / Approved by: KM Date Approved: 04/02/2022
Date - sample testing commenced :	26/01/2022	
Date - sample testing completed :	01/02/2022	

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

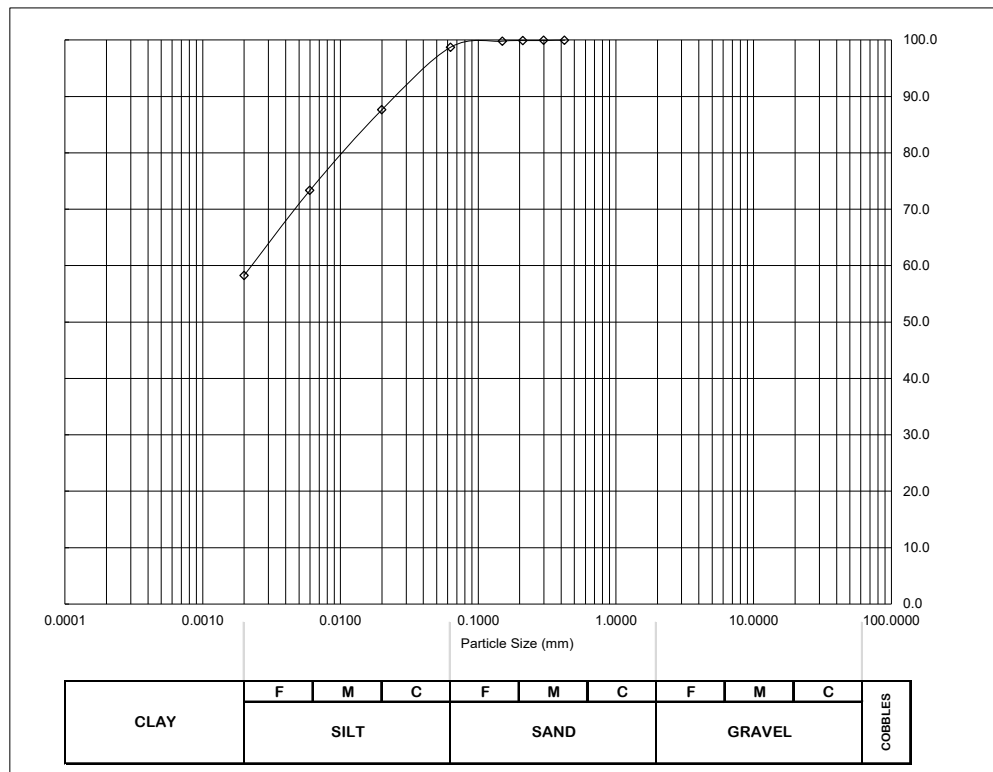
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH109	Sample Type/No. UT	30	Top Depth: 14.50 m	Bottom Depth: 14.95 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	88
0.006	73
0.002	58



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.3
Silt	40.5
Clay	58.2



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	15/10/2021		
Date - sample testing commenced :	26/01/2022	Checked / Approved by:	KM
Date - sample testing completed :	01/02/2022	Date Approved:	04/02/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

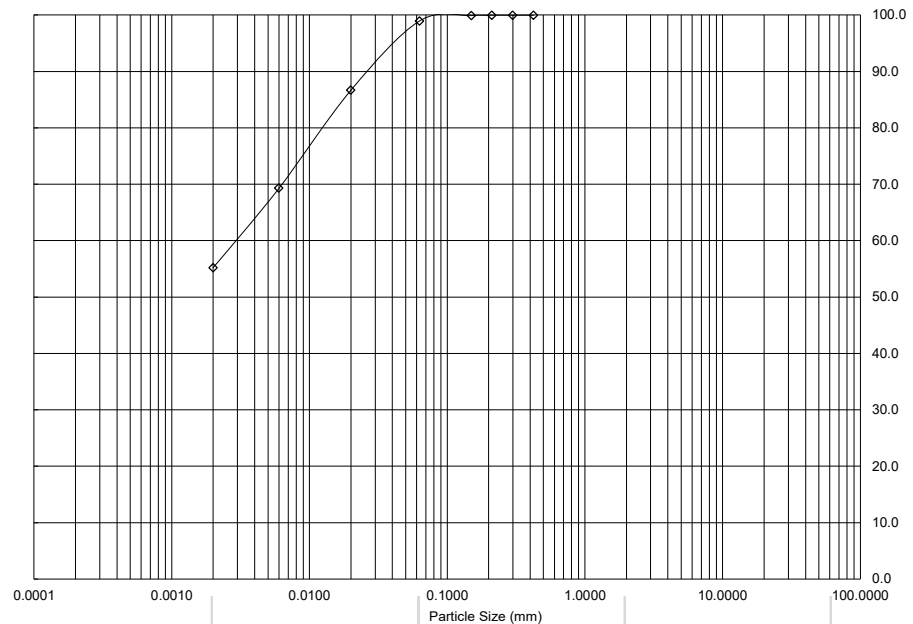
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCI Hayes London Limited			Date Reported: 04/02/2022	
Borehole No: BH109	Sample Type/No. U 40	Top Depth: 17.00 m	Bottom Depth: 17.45 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and rare pyrite nodules (<5mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	87
0.006	69
0.002	55



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.1
Silt	43.8
Clay	55.2



Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	15/10/2021		
Date - sample testing commenced :	26/01/2022	Checked / Approved by:	KM
Date - sample testing completed :	01/02/2022	Date Approved:	04/02/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

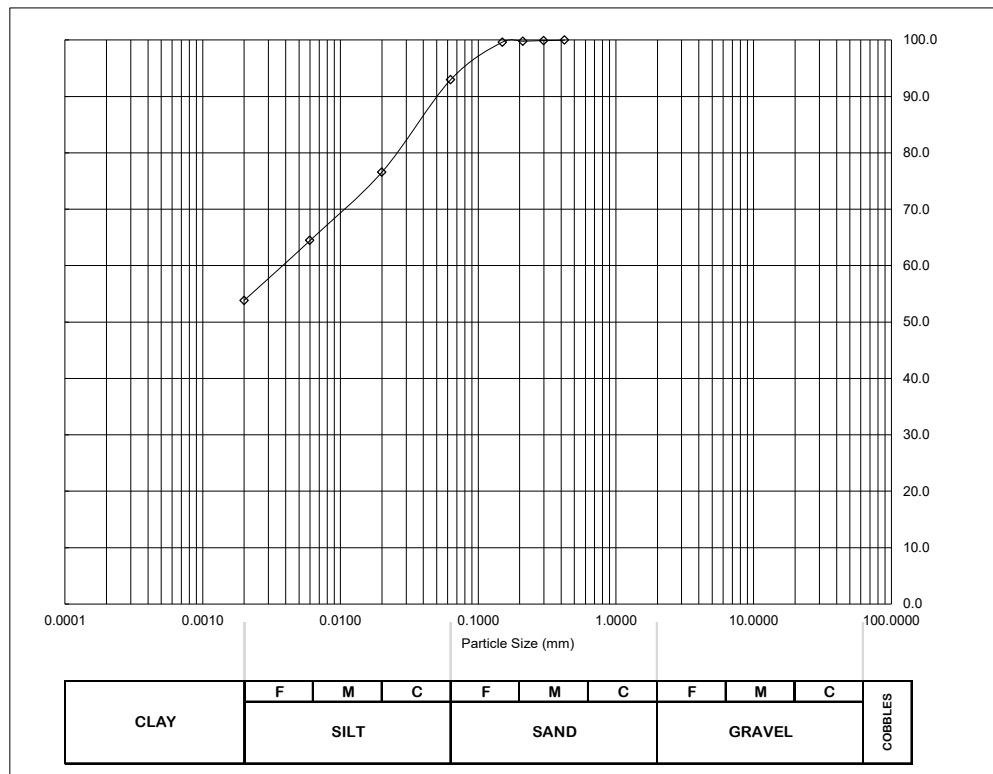
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH109	Sample Type/No. UT	51	Top Depth: 20.50 m	Bottom Depth: 20.95 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare pockets of silt (<15mm) and shell fragments (<1mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	93

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	77
0.006	64
0.002	54



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	7.1
Silt	39.1
Clay	53.8



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	15/10/2021		
Date - sample testing commenced :	26/01/2022	Checked / Approved by:	KM
Date - sample testing completed :	01/02/2022	Date Approved:	04/02/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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TEST REPORT

PARTICLE SIZE DISTRIBUTION TEST

BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

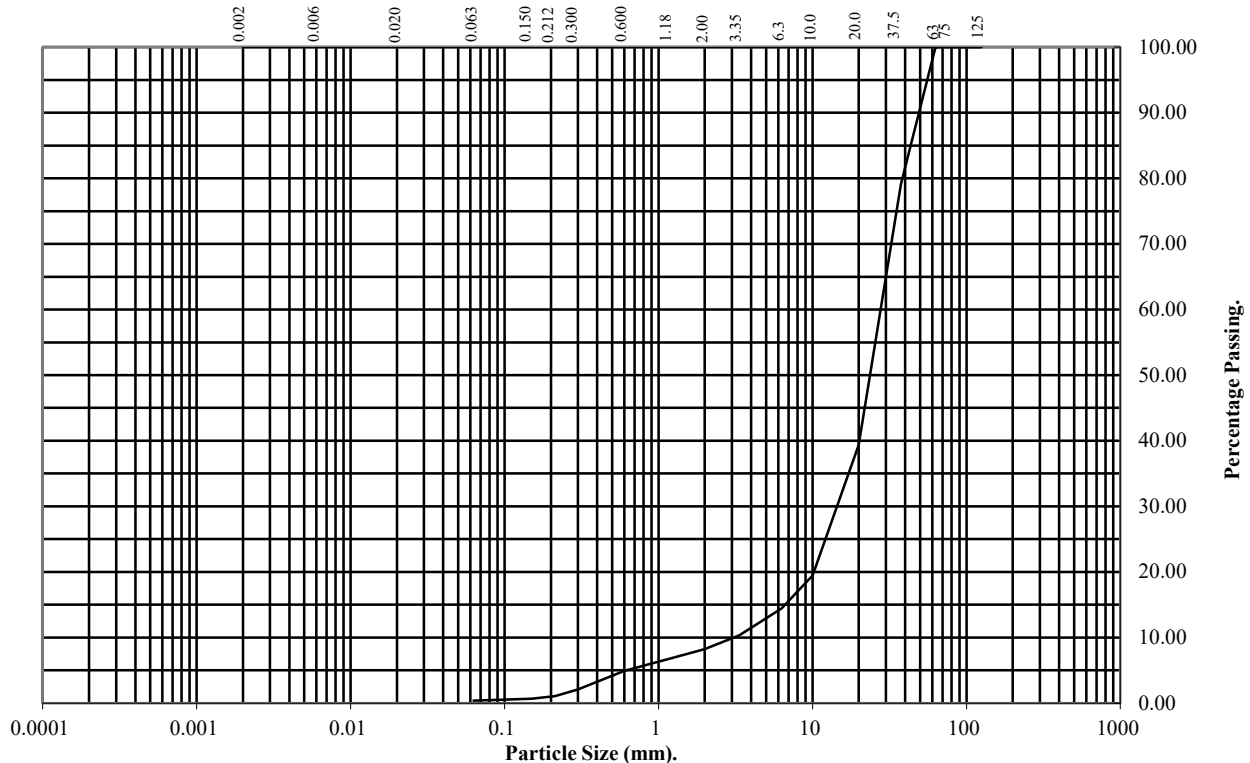
Hole Number: BH110

Top Depth (m): 1.50

Sample Number: AMAL

Base Depth(m): 2.50

Sample Type: AMAL



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	79
20	39
10	19
6.3	14
3.35	10
2	8
1.18	7
0.6	5
0.3	2
0.212	1
0.15	1
0.063	0

Soil Fraction	Total Percentage
Cobbles	0
Gravel	92
Sand	8
Silt/Clay	0

Remarks:

See Summary of Soil Descriptions



PSL
Professional Soils Laboratory

L4 Colt DCS Data Centre

Contract No:
PSL22/0488
Client Ref:
21/3600

CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

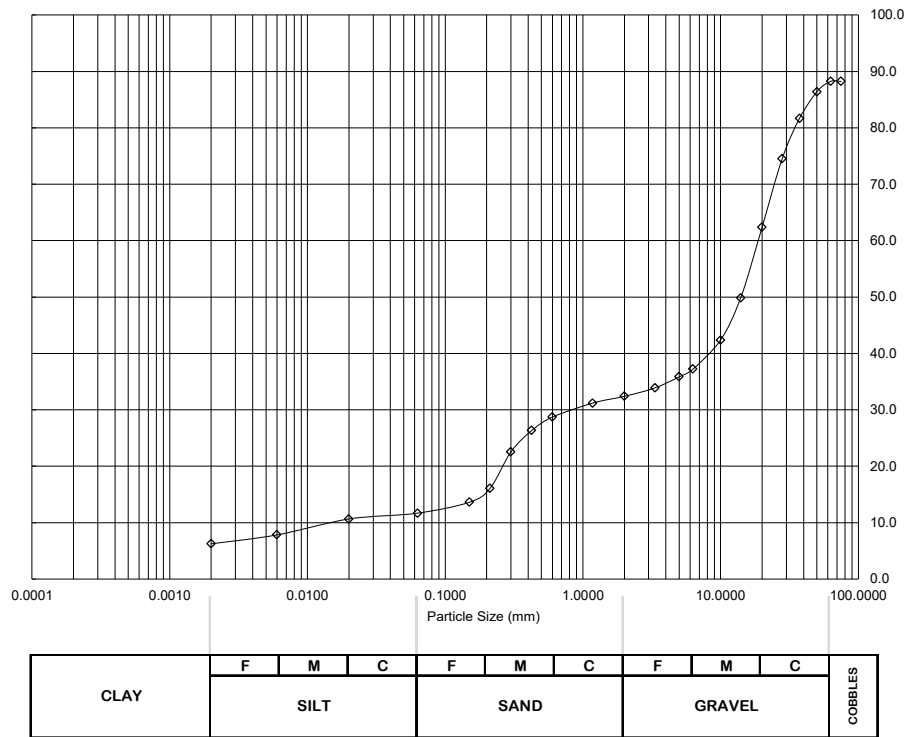
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCI Hayes London Limited			Date Reported: 04/02/2022	
Borehole No: BH110	Sample Type/No. B 13	Top Depth: 3.50 m	Bottom Depth: 4.00 m	

Soil Description:

Orangish brown very sandy fine to coarse flint GRAVEL with low cobble content and occasional pockets of clay

BS Test Sieves	
Size (mm)	% Passing
75.000	88
63.000	88
50.000	86
37.500	82
28.000	75
20.000	62
14.000	50
10.000	42
6.300	37
5.000	36
3.350	34
2.000	32
1.180	31
0.600	29
0.425	26
0.300	23
0.212	16
0.150	14
0.063	12

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	11
0.006	8
0.002	6



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	11.8
Gravel	55.8
Sand	20.7
Silt	5.4
Clay	6.2



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	15/10/2021		
Date - sample testing commenced :	24/01/2022	Checked / Approved by:	KM
Date - sample testing completed :	25/01/2022	Date Approved:	31/01/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

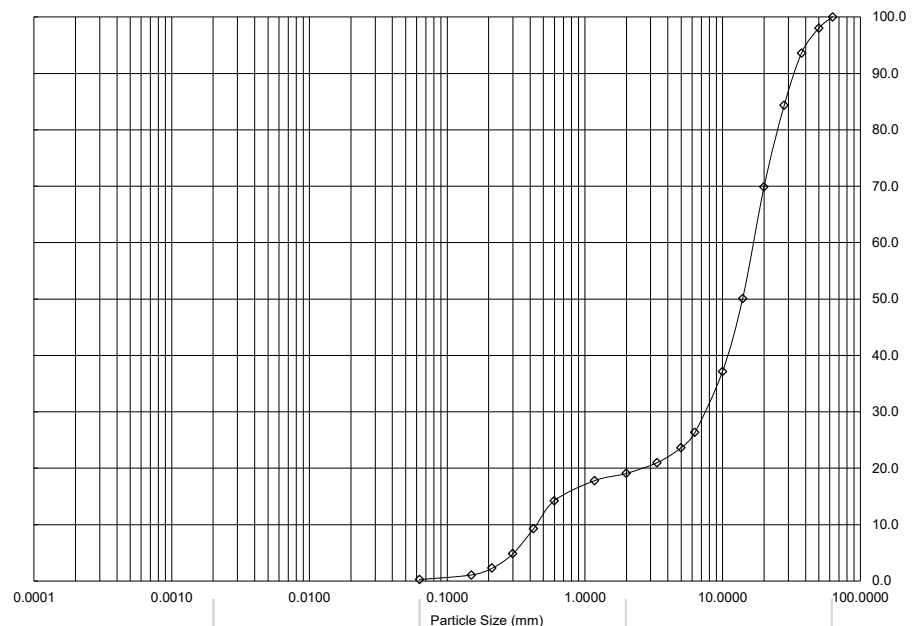
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH110	Sample Type/No. B 19	Top Depth: 5.50 m		Bottom Depth: 6.00 m	

Soil Description:

Brown sandy fine to coarse flint GRAVEL

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	98
37.500	94
28.000	84
20.000	70
14.000	50
10.000	37
6.300	26
5.000	24
3.350	21
2.000	19
1.180	18
0.600	14
0.425	9
0.300	5
0.212	2
0.150	1
0.063	0

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	
0.006	
0.002	



Method/type: Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
--------------------------	---

Particle Proportions %	
Cobbles	
Gravel	80.9
Sand	18.8
Silt and Clay	0.3



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	15/10/2021	Checked / Approved by: KM Date Approved: 31/01/2022
Date - sample testing commenced :	31/01/2022	
Date - sample testing completed :	31/01/2022	
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)		

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CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

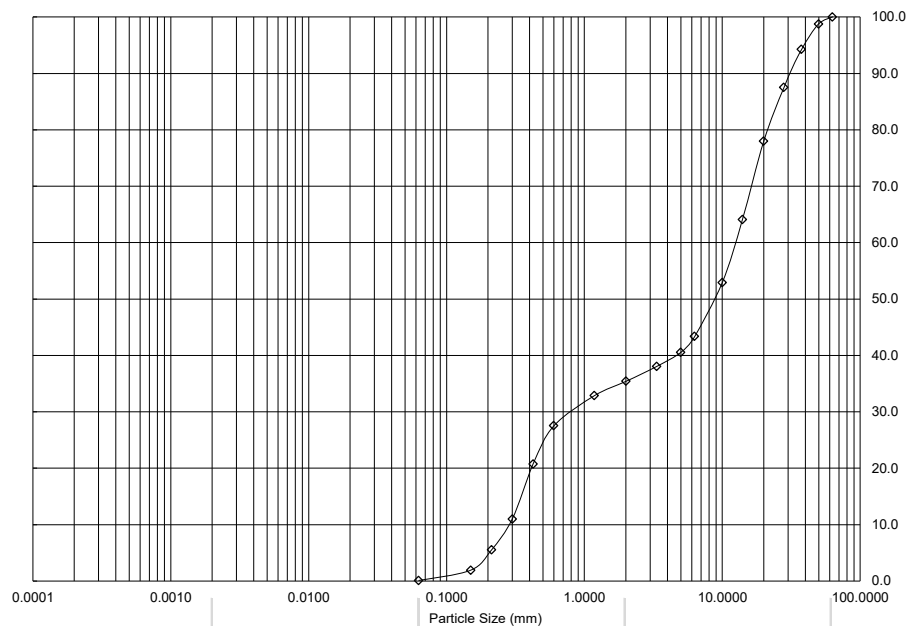
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCI Hayes London Limited			Date Reported: 04/02/2022	
Borehole No: BH110	Sample Type/No. B 24	Top Depth: 9.00 m	Bottom Depth: 9.50 m	

Soil Description:

Brown very sandy fine to coarse flint GRAVEL

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	99
37.500	94
28.000	87
20.000	78
14.000	64
10.000	53
6.300	43
5.000	41
3.350	38
2.000	35
1.180	33
0.600	28
0.425	21
0.300	11
0.212	6
0.150	2
0.063	0

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	
0.006	
0.002	



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type: Wet Sieving BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.

Particle Proportions %	
Cobbles	
Gravel	64.6
Sand	35.3
Silt and Clay	0.1



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received: 15/10/2021	
Date - sample testing commenced : 24/01/2022	Checked / Approved by: KM
Date - sample testing completed : 24/01/2022	Date Approved: 31/01/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)	

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CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

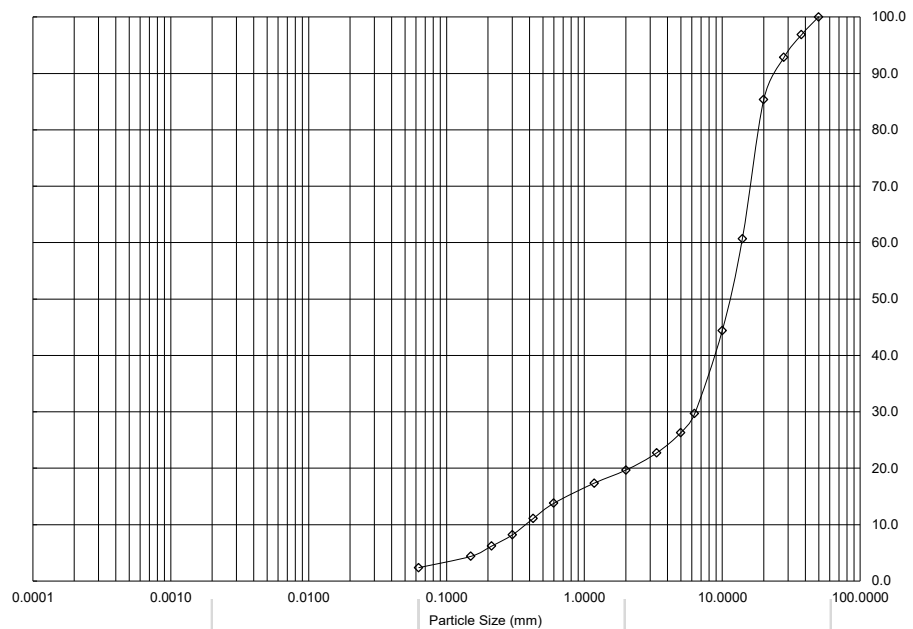
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH110	Sample Type/No. B 28	Top Depth: 11.50 m		Bottom Depth: 12.00 m	

Soil Description:

Orangish brown sandy fine to coarse flint GRAVEL with rare pockets of clay

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	97
28.000	93
20.000	85
14.000	61
10.000	44
6.300	30
5.000	26
3.350	23
2.000	20
1.180	17
0.600	14
0.425	11
0.300	8
0.212	6
0.150	4
0.063	2

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	
0.006	
0.002	



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type: Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
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Particle Proportions %	
Cobbles	
Gravel	80.4
Sand	17.3
Silt and Clay	2.4



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received: 15/10/2021		
Date - sample testing commenced: 24/01/2022	Checked / Approved by: KM	
Date - sample testing completed: 27/01/2022	Date Approved: 31/01/2022	
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)		

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

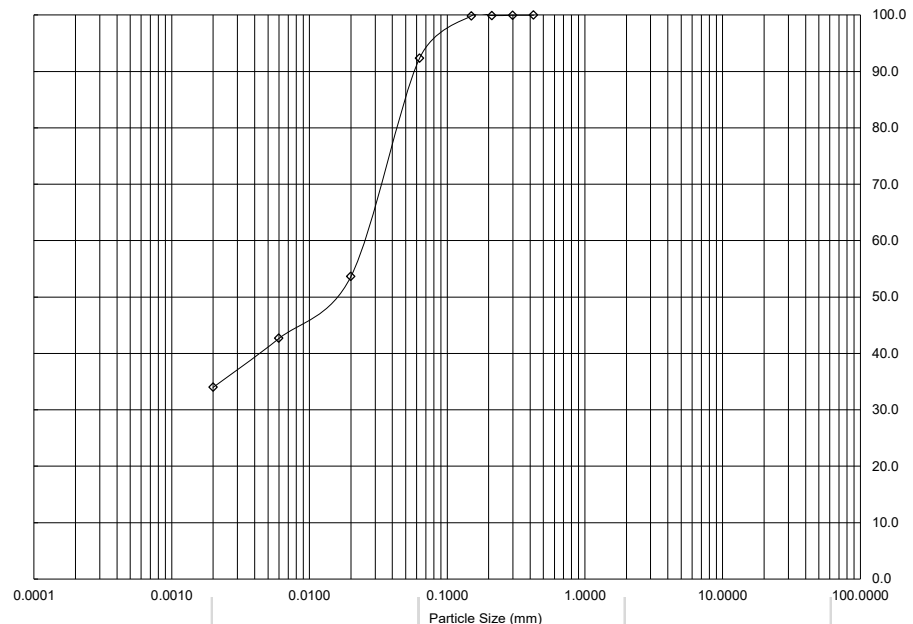
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH110	Sample Type/No. UT 32	Top Depth: 13.00 m		Bottom Depth: 13.45 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare pockets of silt (<60mm), shell fragments (<1mm) and pyrite nodules (<15mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	92

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	54
0.006	43
0.002	34



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	7.7
Silt	58.3
Clay	34.0



Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	15/10/2021	Checked / Approved by: KM Date Approved: 31/01/2022
Date - sample testing commenced :	21/01/2022	
Date - sample testing completed :	24/01/2022	

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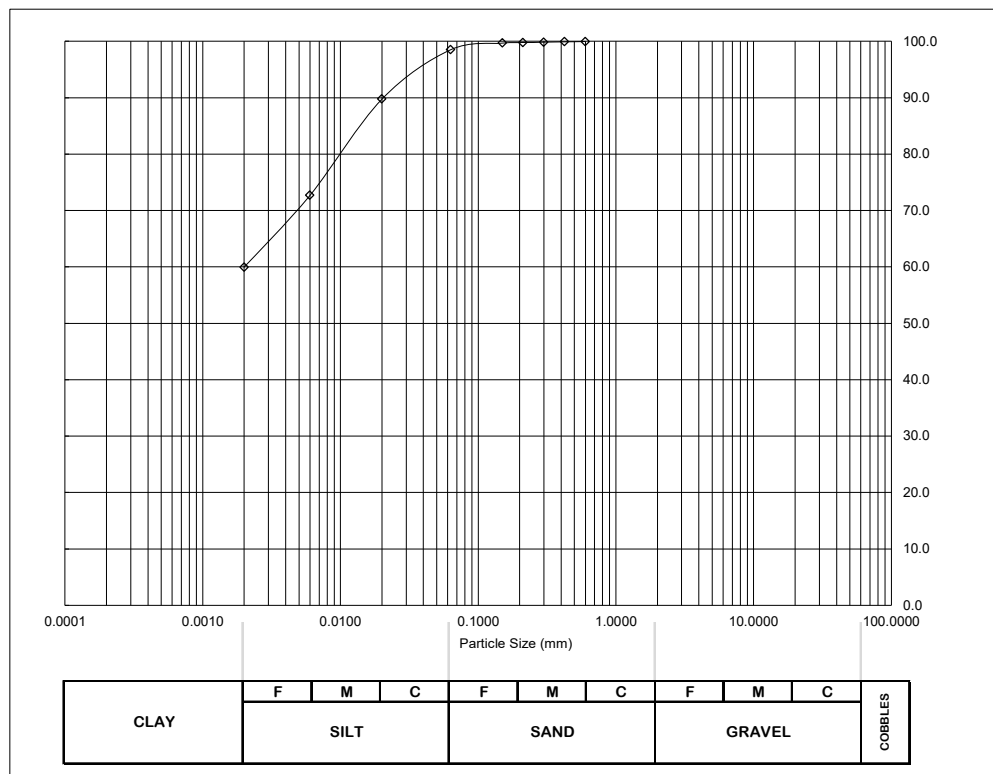
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH110	Sample Type/No. UT 42	Top Depth: 16.00 m		Bottom Depth: 16.45 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	90
0.006	73
0.002	60



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.5
Silt	38.6
Clay	59.9



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	15/10/2021	Checked / Approved by: KM Date Approved: 31/01/2022
Date - sample testing commenced :	21/01/2022	
Date - sample testing completed :	27/01/2022	

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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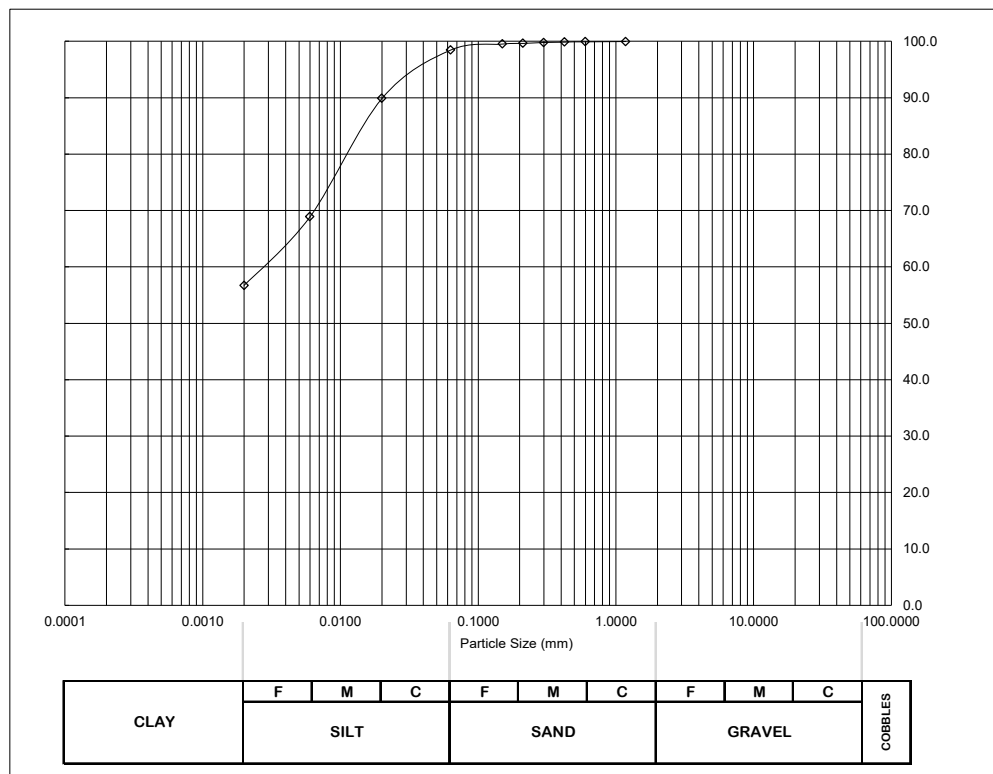
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	04/02/2022
Borehole No:	BH110	Sample Type/No.	UT 49
		Top Depth:	18.00 m
		Bottom Depth:	18.45 m

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<4mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	98

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	90
0.006	69
0.002	57



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.6
Silt	41.7
Clay	56.7



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	15/10/2021	Checked / Approved by:	KM
Date - sample testing commenced :	24/01/2022	Date Approved:	31/01/2022
Date - sample testing completed :	27/01/2022		

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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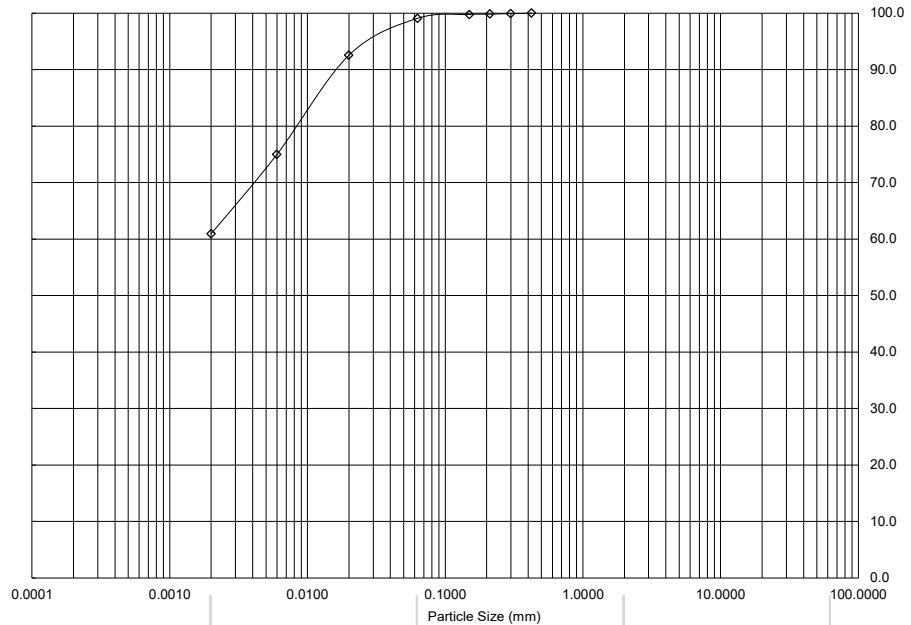
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH110	Sample Type/No. U	54	Top Depth: 20.00 m	Bottom Depth: 20.45 m	

Soil Description:

Firm, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<3mm) and rare pyrite nodules (<30mm) becoming very stiff at 20.14m

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	93
0.006	75
0.002	61



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type: Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.9
Silt	38.1
Clay	60.9



4503

Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received: 15/10/2021	
Date - sample testing commenced: 24/01/2022	Checked / Approved by: KM
Date - sample testing completed: 27/01/2022	Date Approved: 31/01/2022

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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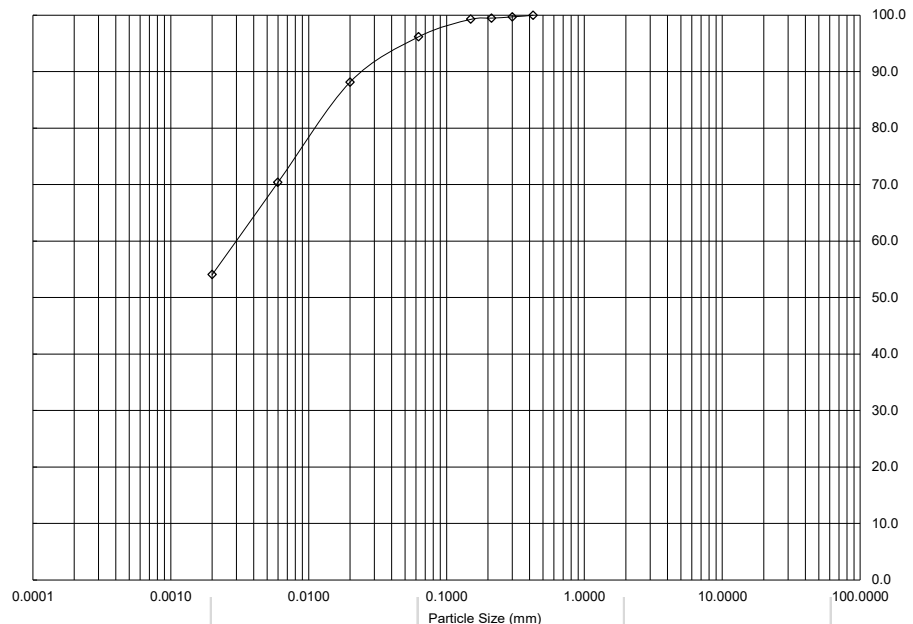
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH110	Sample Type/No. UT 68	Top Depth: 24.00 m		Bottom Depth: 24.45 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with occasional pockets of brown silt (<55mm), rare pyrite nodules (<35mm) and shell fragments (<2mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	99
0.150	99
0.063	96

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	88
0.006	70
0.002	54



CLAY	F	M	C	F	M	C	F	M	C	GRAVEL	COBBLES
	SILT			SAND							

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	3.9
Silt	42.1
Clay	54.1



4503

Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	15/10/2021	Checked / Approved by:	KM
Date - sample testing commenced :	24/01/2022	Date Approved:	04/02/2022
Date - sample testing completed :	31/01/2022		

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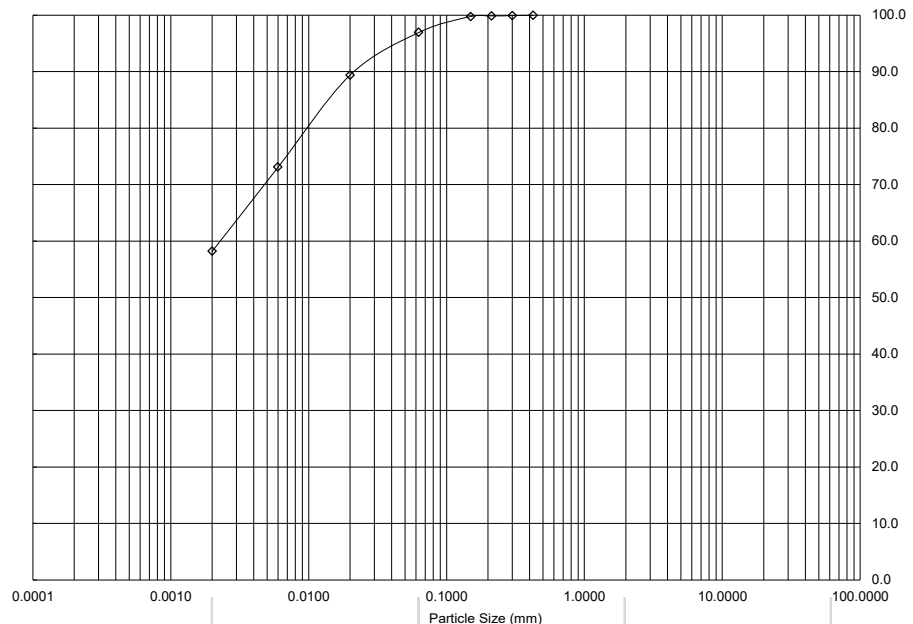
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH110	Sample Type/No. UT	78	Top Depth: 27.00 m	Bottom Depth: 27.45 m	

Soil Description:

Firm, extremely closely fissured dark brown slightly micaceous silty CLAY with rare partings of silt (<3mm), rare shell fragments (<1mm) and pyrite nodules (<15mm) becoming very stiff at 27.11m

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	97

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	89
0.006	73
0.002	58



CLAY	F	M	C	F	M	C	F	M	C	GRAVEL	COBBLES

Method/type: Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	3.1
Silt	38.8
Clay	58.2



4503

Remarks: Pyrite nodules - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received: 15/10/2021	
Date - sample testing commenced: 24/01/2022	Checked / Approved by: KM
Date - sample testing completed: 31/01/2022	Date Approved: 04/02/2022

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

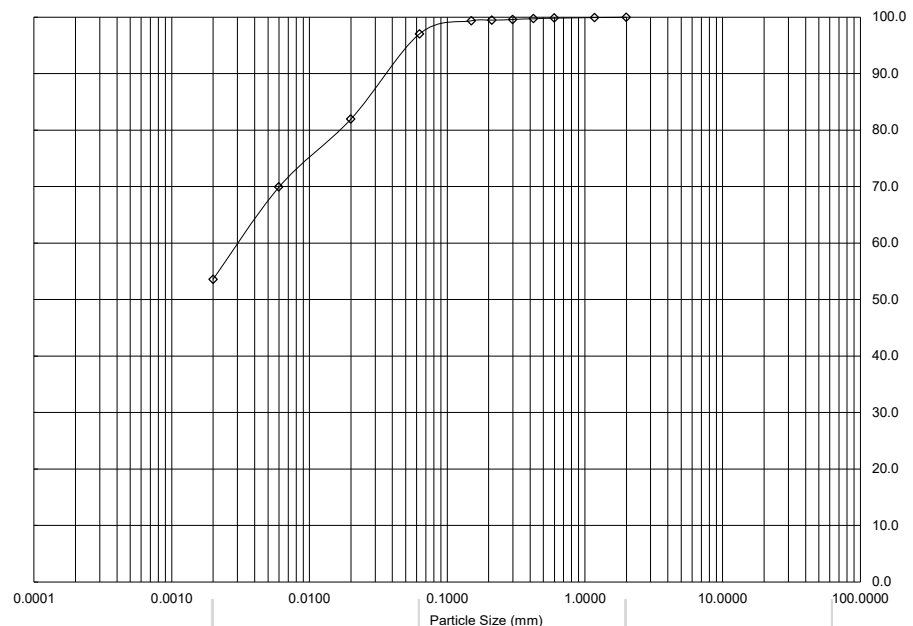
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH110	Sample Type/No. U 84	Top Depth: 29.00 m		Bottom Depth: 29.45 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm), rare pockets of light brown silt (<35mm) and 1No pocket of claystone fragments (<15mm) at 29.10m

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	99
0.150	99
0.063	97

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	82
0.006	70
0.002	54



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.0
Sand	2.9
Silt	43.4
Clay	53.6



Remarks:

Sample tested below 29.10m

The results reported relate only to the items tested or sampled.

Date - samples received:	15/10/2021
Date - sample testing commenced :	24/01/2022
Date - sample testing completed :	31/01/2022

Checked / Approved by:	KM
Date Approved:	04/02/2022

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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TEST REPORT

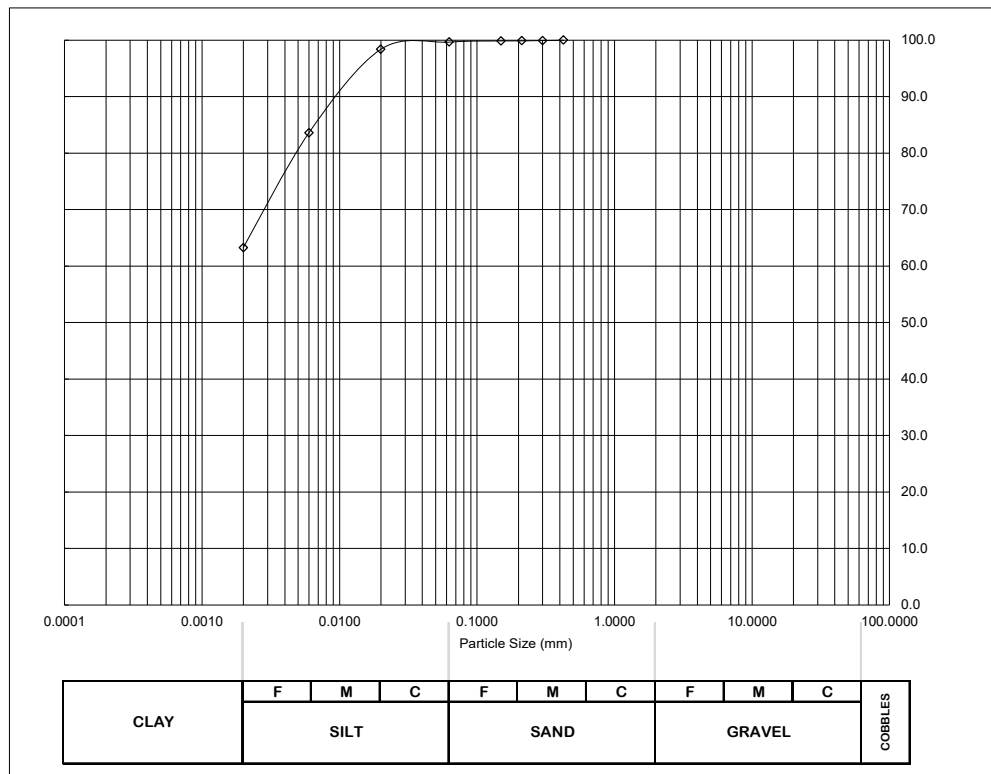
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCl Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH110	Sample Type/No. UT 99	Top Depth: 33.00 m		Bottom Depth: 33.45 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm), occasional pockets of light brown silt (<20mm) and 1No pocket of claystone fragments (<60mm) at 33.14m

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	100

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	98
0.006	84
0.002	63



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.4
Silt	36.4
Clay	63.3



Remarks: Claystone fragments - not in test sample

The results reported relate only to the items tested or sampled.

Date - samples received:	15/10/2021	
Date - sample testing commenced :	24/01/2022	Checked / Approved by: KM
Date - sample testing completed :	31/01/2022	Date Approved: 04/02/2022

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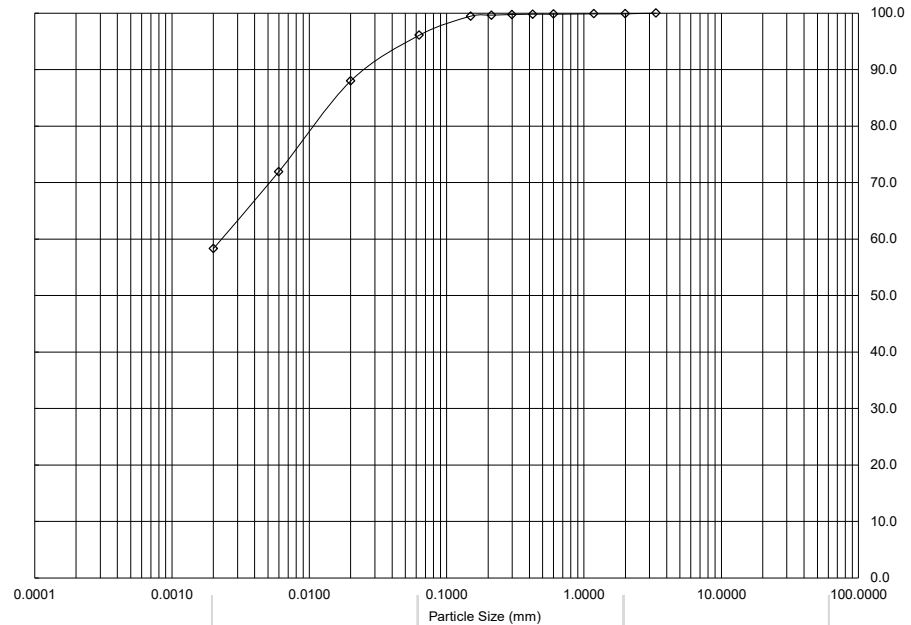
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH110	Sample Type/No. U	113	Top Depth: 38.00 m	Bottom Depth: 38.45 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and 1No pocket of pyrite nodules (<30mm) at 38.17m

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	99
0.063	96

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	88
0.006	72
0.002	58



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.1
Sand	3.8
Silt	37.8
Clay	58.3



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	15/10/2021	Checked / Approved by: KM Date Approved: 31/01/2022
Date - sample testing commenced :	24/01/2022	
Date - sample testing completed :	27/01/2022	

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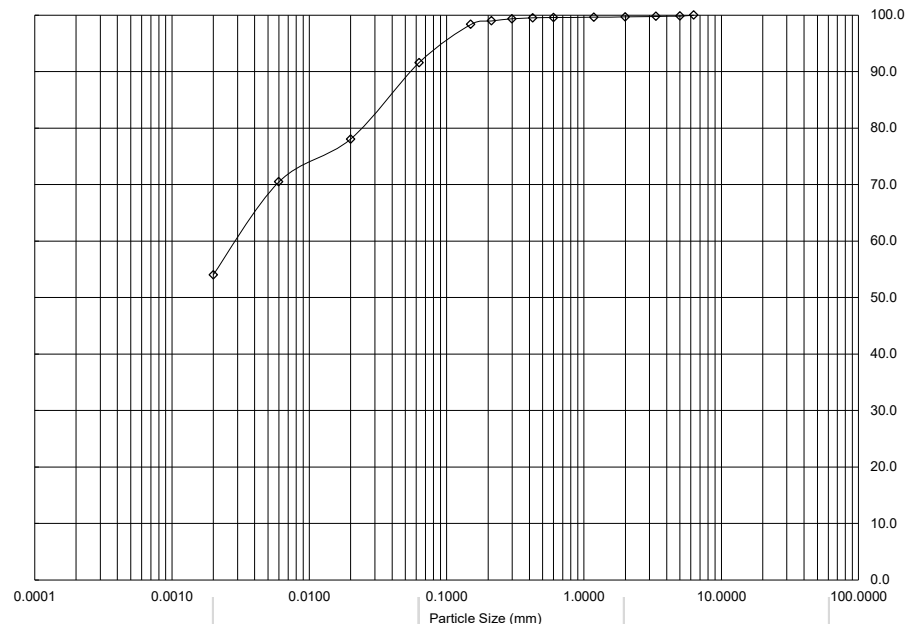
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH110	Sample Type/No. U	122	Top Depth: 41.00 m	Bottom Depth: 41.45 m	

Soil Description:

Firm, extremely closely fissured dark brown slightly micaceous silty CLAY with occasional pockets of light brown silt (<50mm), rare shell fragments (<5mm) and pyrite nodules (<10mm) becoming very stiff at 41.27m

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	99
0.212	99
0.150	98
0.063	92

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	78
0.006	70
0.002	54



CLAY	F	M	C	F	M	C	F	M	C	GRAVEL	COBBLES

Method/type: Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.3
Sand	8.1
Silt	37.6
Clay	54.0



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received: 15/10/2021	
Date - sample testing commenced: 24/01/2022	Checked / Approved by: KM
Date - sample testing completed: 27/01/2022	Date Approved: 31/01/2022

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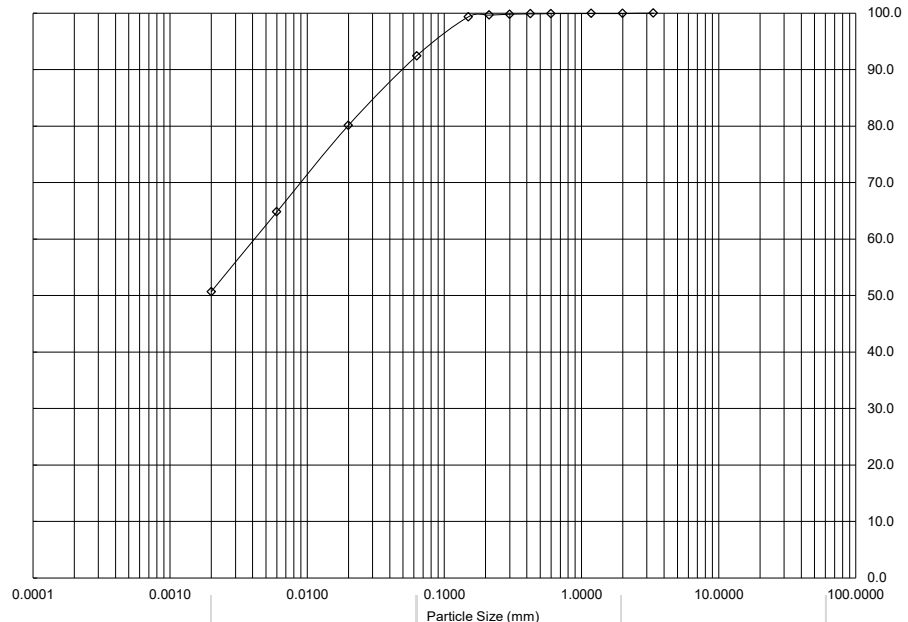
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH110	Sample Type/No. UT	129	Top Depth: 43.50 m	Bottom Depth: 43.95 m	

Soil Description:

Stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) becoming very stiff at 43.59m

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	99
0.063	92

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	80
0.006	65
0.002	51



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.1
Sand	7.5
Silt	41.8
Clay	50.7



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	15/10/2021	
Date - sample testing commenced :	24/01/2022	Checked / Approved by: KM
Date - sample testing completed :	27/01/2022	Date Approved: 31/01/2022

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

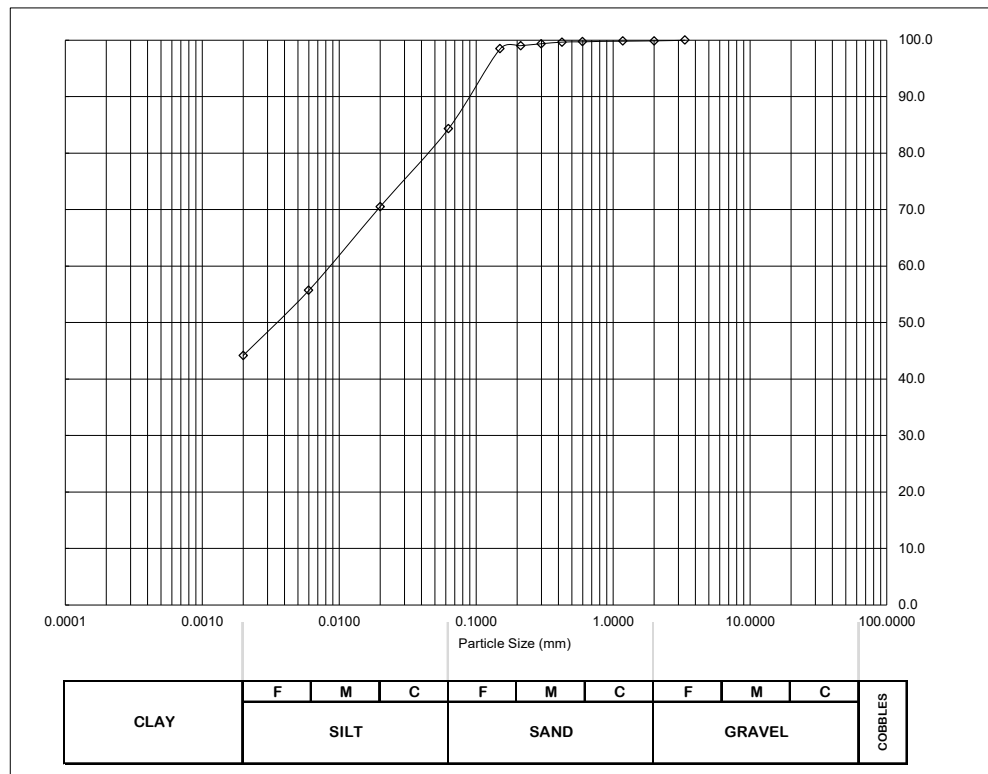
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCl Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH110	Sample Type/No. UT	133	Top Depth: 45.00 m	Bottom Depth: 45.45 m	

Soil Description:

Very stiff, extremely closely fissured dark brown slightly sandy slightly micaceous silty CLAY with occasional pockets of light brown silt (<25mm), shell fragments (<7mm) and rare pyritised lignite fragments (<20mm)

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	99
0.212	99
0.150	98
0.063	84

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	70
0.006	56
0.002	44



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.2
Sand	15.5
Silt	40.2
Clay	44.2



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	15/10/2021	
Date - sample testing commenced :	24/01/2022	Checked / Approved by: KM
Date - sample testing completed :	25/01/2022	Date Approved: 31/01/2022

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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TEST REPORT

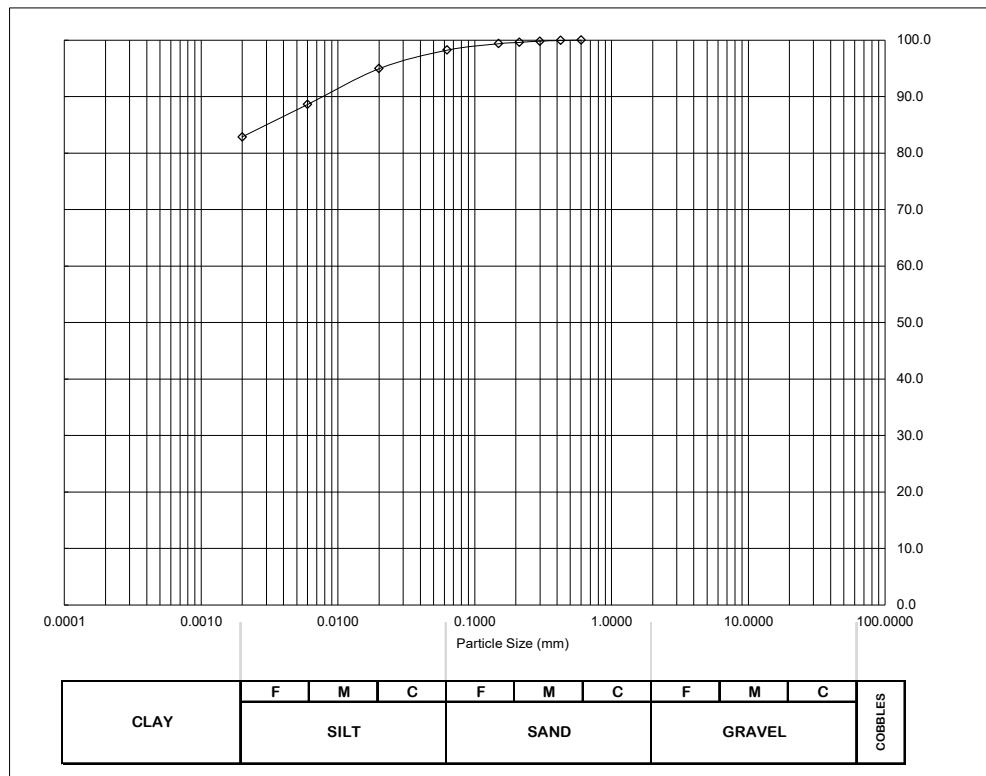
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 04/02/2022	
Borehole No: BH110	Sample Type/No. U	138	Top Depth: 47.50 m	Bottom Depth: 47.95 m	

Soil Description:

Stiff, brownish grey slightly micaceous silty CLAY

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	99
0.063	98

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	95
0.006	89
0.002	83



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	1.8
Silt	15.4
Clay	82.9



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	15/10/2021		
Date - sample testing commenced :	24/01/2022	Checked / Approved by:	KM
Date - sample testing completed :	25/01/2022	Date Approved:	31/01/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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TEST REPORT

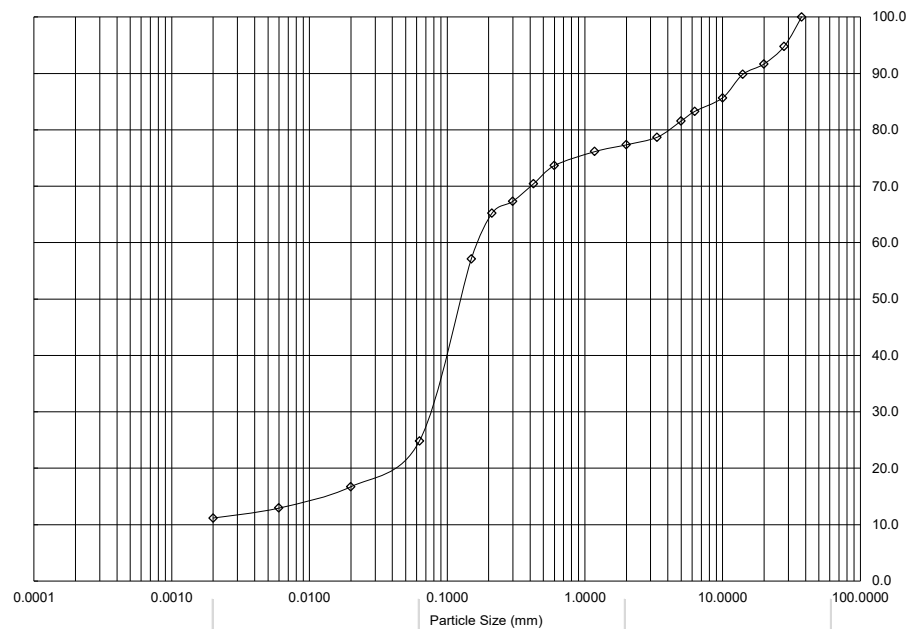
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCI Hayes London Limited			Date Reported: 21/01/2022	
Borehole No: IT501	Sample Type/No. B 4	Top Depth: 2.00 m	Bottom Depth: m	

Soil Description:

Brown clayey silty very gravelly SAND. Gravel is fine to coarse flint

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	95
20.000	92
14.000	90
10.000	86
6.300	83
5.000	82
3.350	79
2.000	77
1.180	76
0.600	74
0.425	70
0.300	67
0.212	65
0.150	57
0.063	25

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	17
0.006	13
0.002	11



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	22.7
Sand	52.5
Silt	13.7
Clay	11.1



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	18/09/2021		
Date - sample testing commenced :	01/12/2021	Checked / Approved by:	KM
Date - sample testing completed :	02/12/2021	Date Approved:	21/01/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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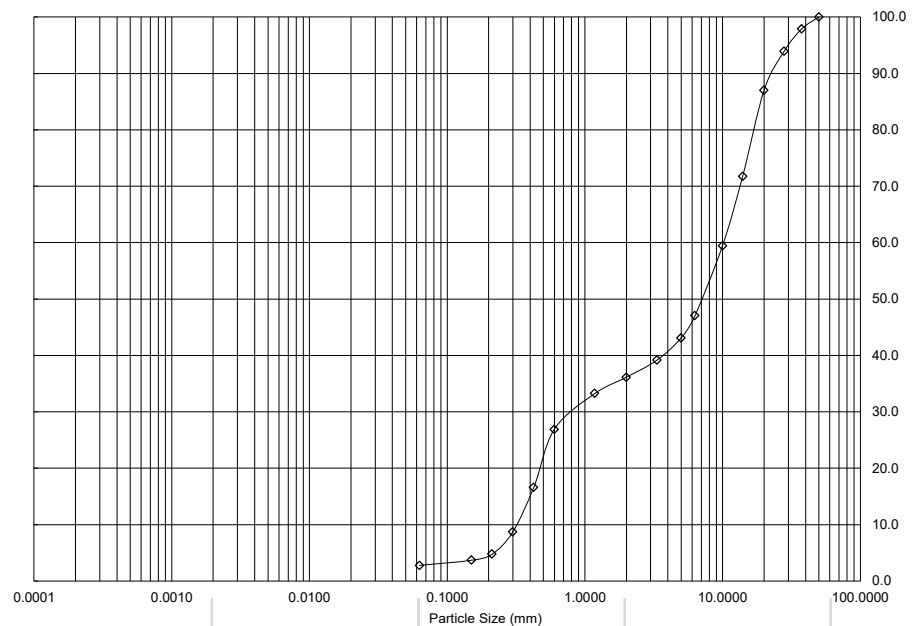
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	04/02/2022
Borehole No:	TP302	Sample Type/No.	B 8
		Top Depth:	1.50 m
		Bottom Depth:	m

Soil Description:

Orangish brown silty very sandy fine to coarse flint GRAVEL

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	98
28.000	94
20.000	87
14.000	72
10.000	59
6.300	47
5.000	43
3.350	39
2.000	36
1.180	33
0.600	27
0.425	17
0.300	9
0.212	5
0.150	4
0.063	3

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	
0.006	
0.002	



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type: Wet Sieving BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.

Particle Proportions %	
Cobbles	
Gravel	63.9
Sand	33.4
Silt and Clay	2.8



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	18/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	01/12/2021	Date Approved:	21/01/2022
Date - sample testing completed :	02/12/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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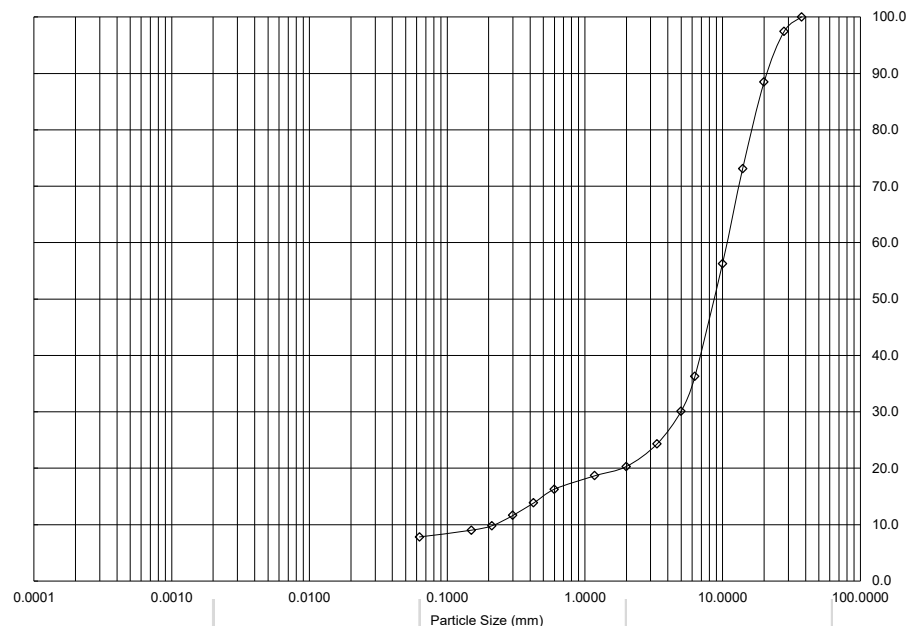
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCI Hayes London Limited			Date Reported: 21/01/2022	
Borehole No: TP304	Sample Type/No. B 5	Top Depth: 1.00 m	Bottom Depth: m	

Soil Description:

Brown clayey sandy fine to coarse flint GRAVEL

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	97
20.000	88
14.000	73
10.000	56
6.300	36
5.000	30
3.350	24
2.000	20
1.180	19
0.600	16
0.425	14
0.300	12
0.212	10
0.150	9
0.063	8

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	
0.006	
0.002	



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type: Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
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Particle Proportions %	
Cobbles	
Gravel	79.7
Sand	12.5
Silt and Clay	7.8



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received: 18/09/2021	
Date - sample testing commenced : 11/01/2022	Checked / Approved by: KM
Date - sample testing completed : 13/01/2022	Date Approved: 21/01/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)	

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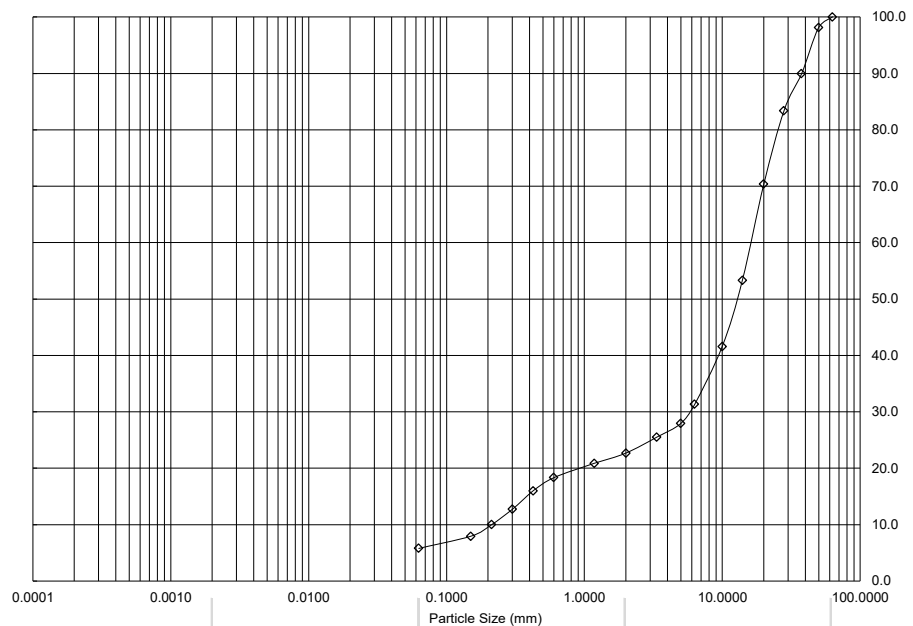
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 21/01/2022	
Borehole No: TP304	Sample Type/No. LB	8	Top Depth: 2.50 m	Bottom Depth: m	

Soil Description:

Brown clayey sandy fine to medium flint GRAVEL

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	98
37.500	90
28.000	83
20.000	70
14.000	53
10.000	42
6.300	31
5.000	28
3.350	25
2.000	23
1.180	21
0.600	18
0.425	16
0.300	13
0.212	10
0.150	8
0.063	6

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	
0.006	
0.002	



Method/type: Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
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Particle Proportions %	
Cobbles	
Gravel	77.3
Sand	16.9
Silt and Clay	5.8



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received: 18/09/2021	
Date - sample testing commenced : 11/01/2022	Checked / Approved by: KM
Date - sample testing completed : 13/01/2022	Date Approved: 21/01/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)	

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

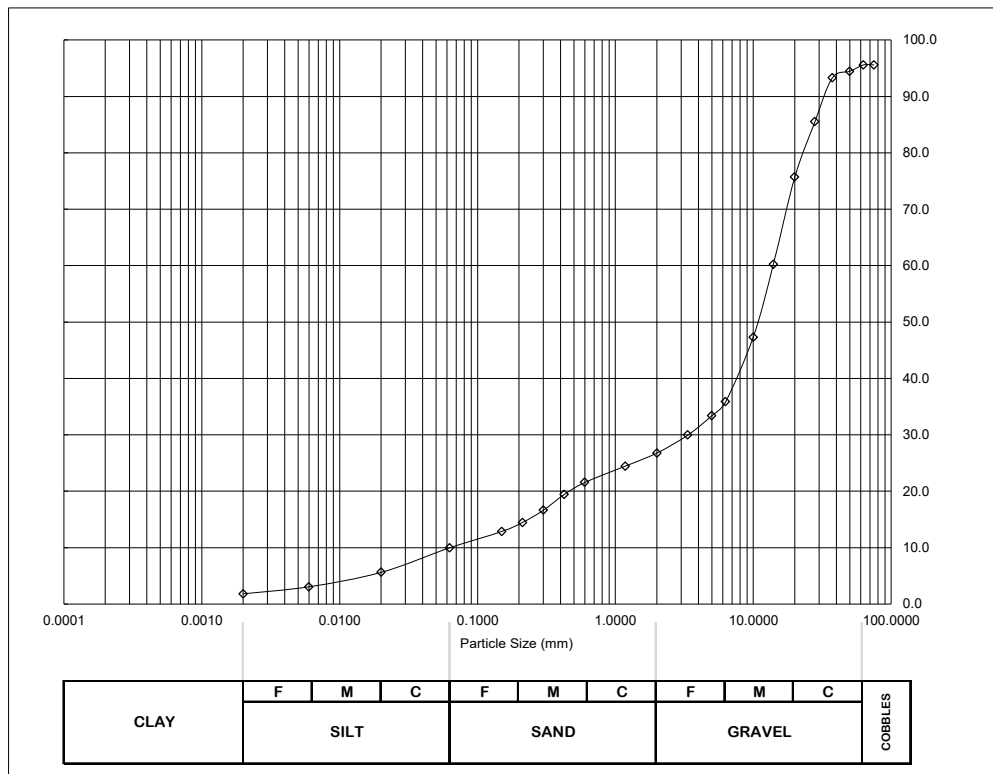
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCl Hayes London Limited			Date Reported: 21/01/2022	
Borehole No: TP305	Sample Type/No. B 4	Top Depth: 1.10 m	Bottom Depth: 1.20 m	

Soil Description:

Dark brown silty sandy fine to coarse GRAVEL with low cobble content. Gravel comprises flint and occasional concrete fragments

BS Test Sieves	
Size (mm)	% Passing
75.000	96
63.000	96
50.000	94
37.500	93
28.000	86
20.000	76
14.000	60
10.000	47
6.300	36
5.000	33
3.350	30
2.000	27
1.180	24
0.600	22
0.425	19
0.300	17
0.212	14
0.150	13
0.063	10

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	6
0.006	3
0.002	2



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	4.4
Gravel	68.8
Sand	16.8
Silt	8.2
Clay	1.8



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	18/09/2021	CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: lab@conceptconsultants.co.uk	
Date - sample testing commenced :	05/01/2022	Checked / Approved by:	KM
Date - sample testing completed :	14/01/2022	Date Approved:	21/01/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

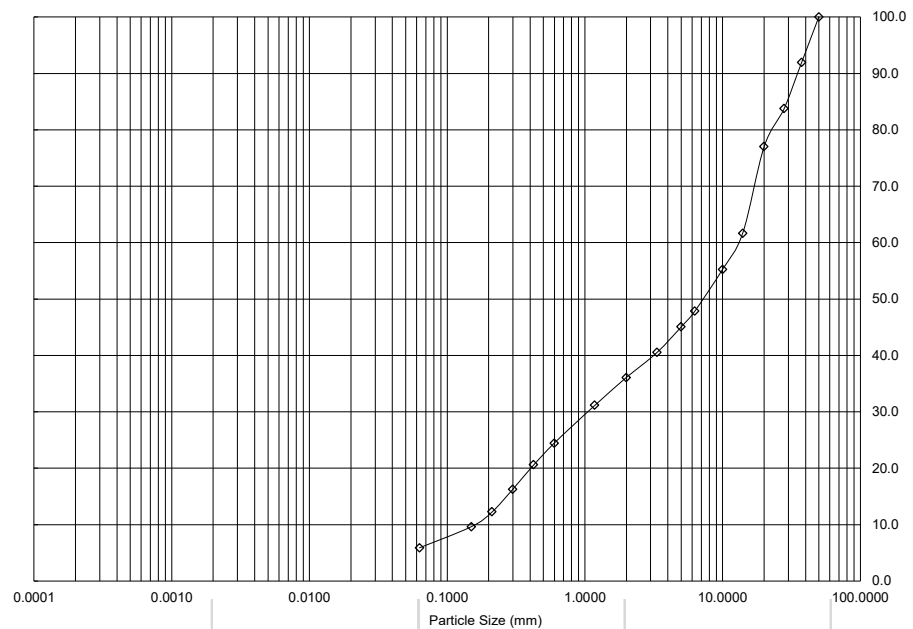
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	04/02/2022
Borehole No:	TP309A	Sample Type/No.	B 1
Top Depth:	0.25 m	Bottom Depth:	0.40 m

Soil Description:

Dark grey slightly silty very sandy fine to coarse GRAVEL with rare pockets of clay. Gravel comprises brick, concrete and clinker fragments

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	92
28.000	84
20.000	77
14.000	62
10.000	55
6.300	48
5.000	45
3.350	41
2.000	36
1.180	31
0.600	24
0.425	21
0.300	16
0.212	12
0.150	10
0.063	6

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	
0.006	
0.002	



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
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Particle Proportions %	
Cobbles	
Gravel	64.0
Sand	30.2
Silt and Clay	5.9



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	18/09/2021	Checked / Approved by:	KM
Date - sample testing commenced :	24/01/2022	Date Approved:	04/02/2022
Date - sample testing completed :	27/01/2022		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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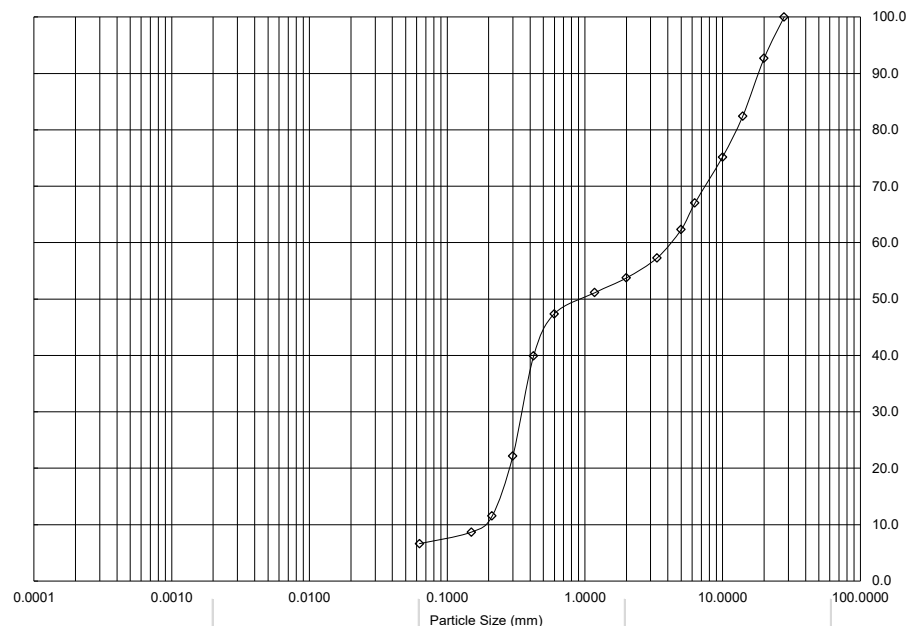
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCI Hayes London Limited			Date Reported: 12/01/2022	
Borehole No: WS204	Sample Type/No. B 6	Top Depth: 1.20 m	Bottom Depth: 1.60 m	

Soil Description:

Light brown slightly clayey fine to coarse SAND and flint GRAVEL

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	93
14.000	82
10.000	75
6.300	67
5.000	62
3.350	57
2.000	54
1.180	51
0.600	47
0.425	40
0.300	22
0.212	12
0.150	9
0.063	7

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	
0.006	
0.002	



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type: Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
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Particle Proportions %	
Cobbles	
Gravel	46.3
Sand	47.1
Silt and Clay	6.6



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	26/08/2021	Checked / Approved by: KM Date Approved: 22/12/2021
Date - sample testing commenced :	14/12/2021	
Date - sample testing completed :	17/12/2021	
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)		

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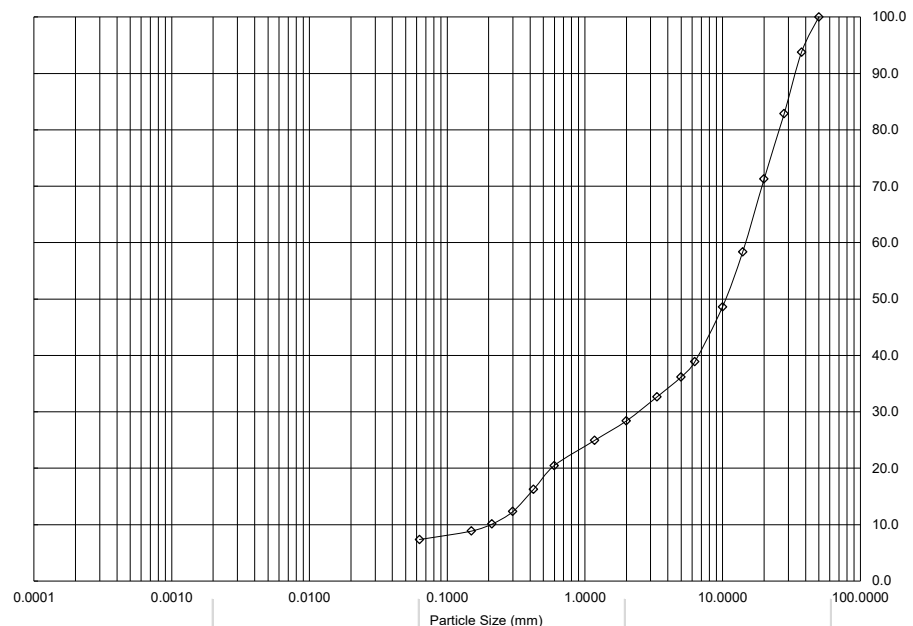
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	12/01/2021
Borehole No:	WS206	Sample Type/No.	B 10
		Top Depth:	2.00 m
		Bottom Depth:	2.80 m

Soil Description:

Brown clayey very sandy fine to medium flint GRAVEL with occasional tarmac and concrete fragments

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	94
28.000	83
20.000	71
14.000	58
10.000	49
6.300	39
5.000	36
3.350	33
2.000	28
1.180	25
0.600	20
0.425	16
0.300	12
0.212	10
0.150	9
0.063	7

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	
0.006	
0.002	



Method/type: Wet Sieving BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.

Particle Proportions %	
Cobbles	
Gravel	71.6
Sand	21.0
Silt and Clay	7.3



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	27/08/2021	Checked / Approved by:	KM
Date - sample testing commenced :	26/10/2021	Date Approved:	22/12/2021
Date - sample testing completed :	11/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

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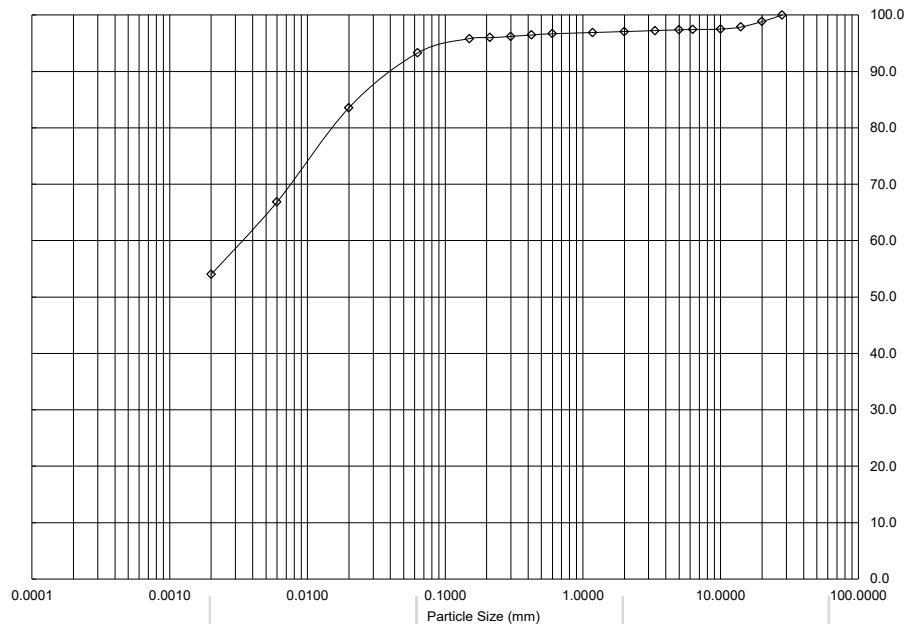
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2021	
Borehole No: WS206	Sample Type/No. B 12	Top Depth: 2.80 m		Bottom Depth: 4.00 m	

Soil Description:

Light brown mottled dark brown slightly gravelly silty CLAY with occasional pockets of sand. Gravel is fine to coarse flint

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	99
14.000	98
10.000	98
6.300	97
5.000	97
3.350	97
2.000	97
1.180	97
0.600	97
0.425	96
0.300	96
0.212	96
0.150	96
0.063	93

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	84
0.006	67
0.002	54



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	2.9
Sand	3.8
Silt	39.3
Clay	54.0



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	27/08/2021		
Date - sample testing commenced :	26/10/2021	Checked / Approved by:	KM
Date - sample testing completed :	11/11/2021	Date Approved:	22/12/2021

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

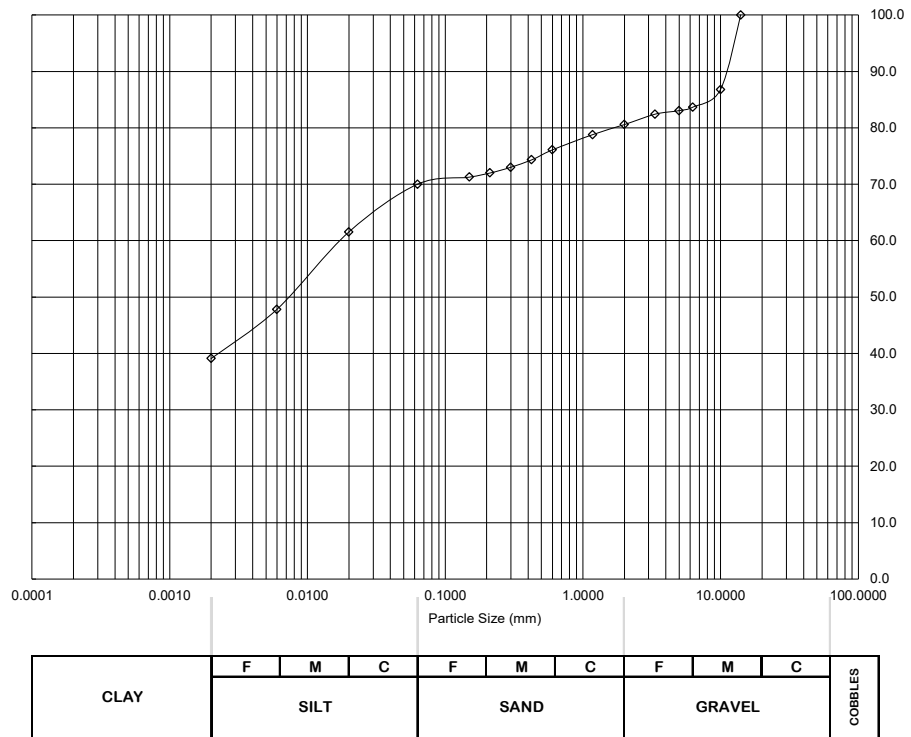
Site Name: L4 Colt DCS Data Centre				Job Number: 21/3600	
Client: HDCI Hayes London Limited				Date Reported: 12/01/2021	
Borehole No: WS206	Sample Type/No. D	13	Top Depth: 3.00 m	Bottom Depth: m	

Soil Description:

Brown slightly gravelly CLAY with occasional pockets of sand. Gravel is fine to medium flint

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	87
6.300	84
5.000	83
3.350	82
2.000	81
1.180	79
0.600	76
0.425	74
0.300	73
0.212	72
0.150	71
0.063	70

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	62
0.006	48
0.002	39



Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	19.4
Sand	10.6
Silt	30.9
Clay	39.1



4503

Remarks: Sample mass does not meet the requirements of BS1377: Part 2: 1990

The results reported relate only to the items tested or sampled.

Date - samples received:	27/08/2021	
Date - sample testing commenced :	26/10/2021	Checked / Approved by: KM
Date - sample testing completed :	11/11/2021	Date Approved: 22/12/2021

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

CONCEPT
47-49 Brunel Road, London W3 7XR
Tel: 02087401553
Email: lab@conceptconsultants.co.uk

CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

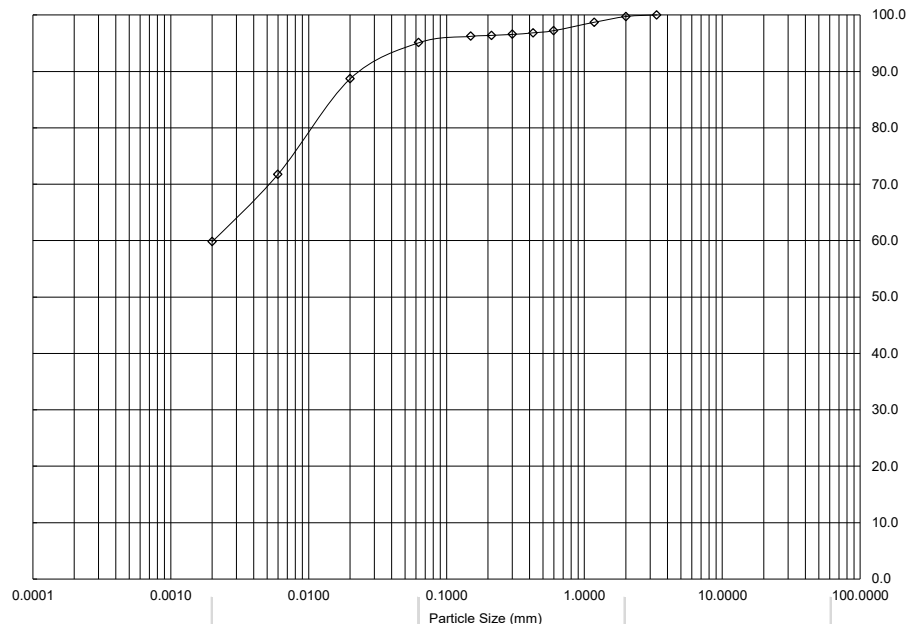
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	04/02/2022
Borehole No:	WS207C	Sample Type/No.	B 10
		Top Depth:	2.00 m
		Bottom Depth:	3.00 m

Soil Description:

Brown mottled greyish brown slightly sandy silty CLAY

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	99
0.600	97
0.425	97
0.300	97
0.212	96
0.150	96
0.063	95

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	89
0.006	72
0.002	60



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	0.3
Sand	4.6
Silt	35.3
Clay	59.8



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	27/09/2022
Date - sample testing commenced :	28/01/2022
Date - sample testing completed :	01/02/2022

Checked / Approved by:	KM
Date Approved:	04/02/2022

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

CONCEPT
47-49 Brunel Road, London W3 7XR
Tel: 02087401553
Email: lab@conceptconsultants.co.uk

CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

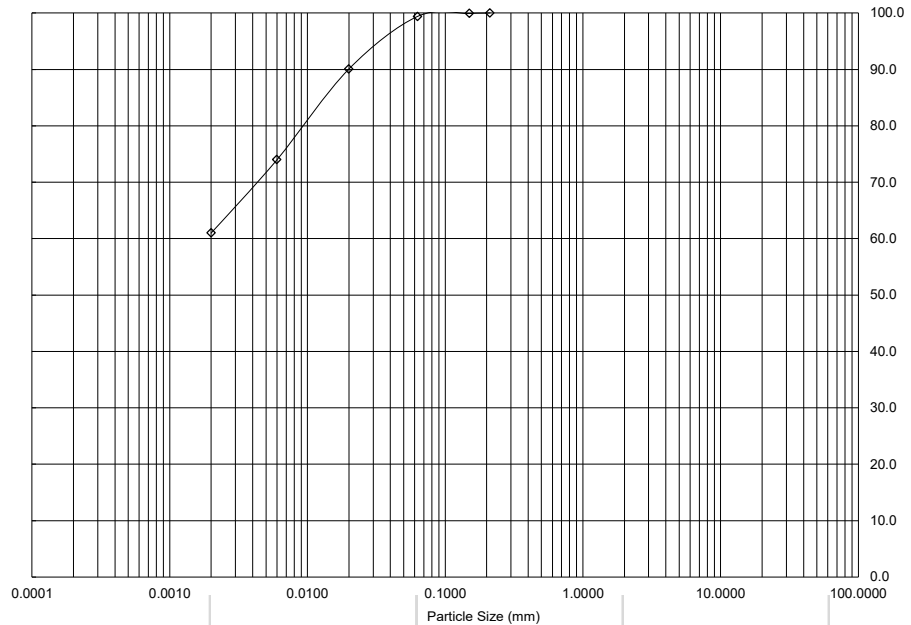
Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	04/02/2022
Borehole No:	WS207C	Sample Type/No.	B 15
		Top Depth:	4.00 m
		Bottom Depth:	5.00 m

Soil Description:

Brownish grey silty CLAY

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	90
0.006	74
0.002	61



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type:	Wet Sieving	BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.
	Pipette	BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Particle Proportions %	
Cobbles	
Gravel	
Sand	0.6
Silt	38.4
Clay	61.0



4503

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	27/09/2022
Date - sample testing commenced :	28/01/2022
Date - sample testing completed :	01/02/2022

Checked / Approved by:	KM
Date Approved:	04/02/2022

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

CONCEPT
47-49 Brunel Road, London W3 7XR
Tel: 02087401553
Email: lab@conceptconsultants.co.uk

CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

Site Name:	L4 Colt DCS Data Centre	Job Number:	21/3600
Client:	HDCI Hayes London Limited	Date Reported:	04/02/2022
Borehole No:	WS209	Sample Type/No.	B 8
		Top Depth:	2.60 m
		Bottom Depth:	3.70 m

Soil Description:

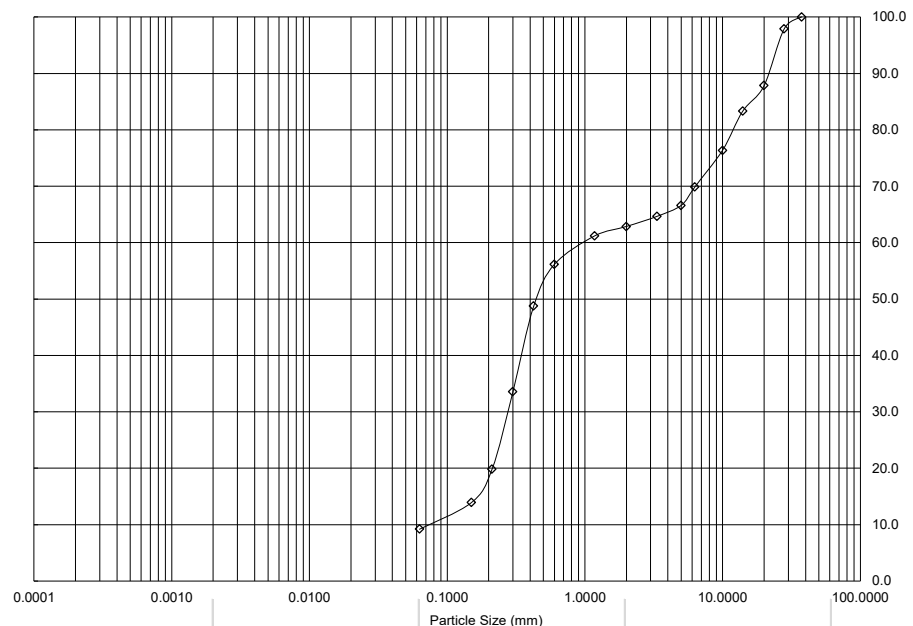
Brown very gravelly SAND with occasional pockets of orangish brown clay. Gravel is fine to coarse flint

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	98
20.000	88
14.000	83
10.000	76
6.300	70
5.000	67
3.350	65
2.000	63
1.180	61
0.600	56
0.425	49
0.300	34
0.212	20
0.150	14
0.063	9

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	
0.006	
0.002	

Method/type:	
--------------	--

Particle Proportions %	
Cobbles	
Gravel	37.2
Sand	53.6
Silt and Clay	9.2



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:	16/08/2022
Date - sample testing commenced :	28/01/2022
Date - sample testing completed :	01/02/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)	

Checked / Approved by: KM
Date Approved: 04/02/2022

CONCEPT
47-49 Brunel Road, London W3 7XR
Tel: 02087401553
Email: lab@conceptconsultants.co.uk



4503

CONCEPT SITE INVESTIGATIONS

PARTICLE SIZE DISTRIBUTION

TEST REPORT

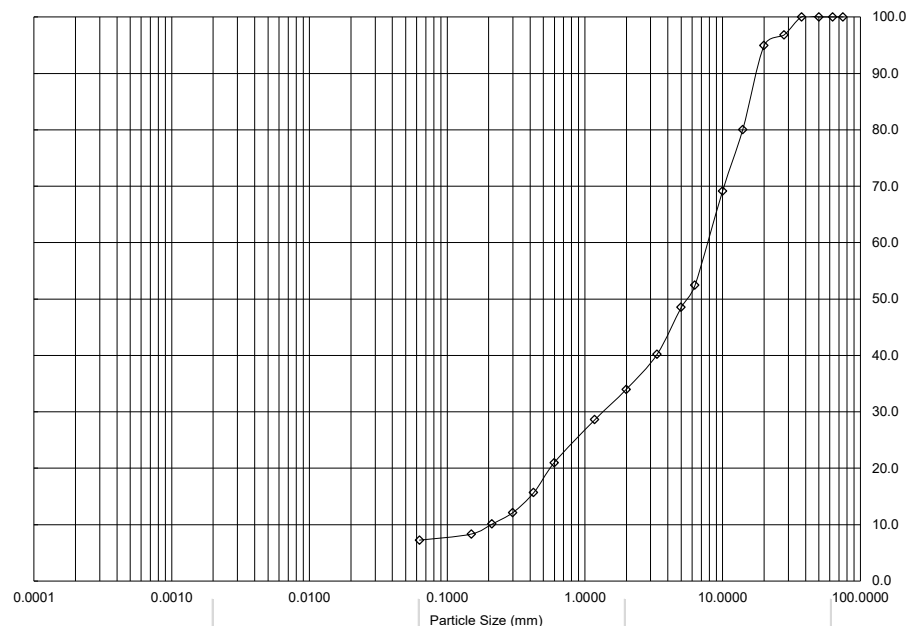
Site Name: L4 Colt DCS Data Centre			Job Number: 21/3600	
Client: HDCI Hayes London Limited			Date Reported: 21/01/2022	
Borehole No: WS210	Sample Type/No. B 6	Top Depth: 1.30 m	Bottom Depth: 2.00 m	

Soil Description:

Brown sandy fine to medium flint GRAVEL with occasional pockets of light grey clay

BS Test Sieves	
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	97
20.000	95
14.000	80
10.000	69
6.300	52
5.000	49
3.350	40
2.000	34
1.180	29
0.600	21
0.425	16
0.300	12
0.212	10
0.150	8
0.063	7

Sedimentation (*if applicable)	
Size (mm)	% Passing
0.020	
0.006	
0.002	



CLAY	F	M	C	F	M	C	F	M	C	COBBLES
	SILT			SAND			GRAVEL			

Method/type: Wet Sieving BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method.

Particle Proportions %	
Cobbles	
Gravel	66.0
Sand	26.7
Silt and Clay	7.2



Remarks:

The results reported relate only to the items tested or sampled.

Date - samples received:

Date - sample testing commenced : 06/01/2022

Date - sample testing completed : 12/01/2022

Checked / Approved by: KM

Date Approved: 21/01/2022

Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)

CONCEPT

47-49 Brunel Road, London W3 7XR
Tel: 02087401553

Email: lab@conceptconsultants.co.uk



2183

Amended Report

Report No.:	21-33857-3		
Initial Date of Issue:	06-Oct-2021	Date of Re-Issue:	19-Oct-2021
Client	Concept Consultants		
Client Address:	Unit D, Herald Way Binley Industrial Estate Coventry CV3 2RQ		
Contact(s):	Kasia Mazerant Lab Lynn Griffin		
Project	21/3600 L4 Colt DCS Date Centre		
Quotation No.:	Q21-25109	Date Received:	30-Sep-2021
Order No.:	L2616	Date Instructed:	30-Sep-2021
No. of Samples:	15		
Turnaround (Wkdays):	11	Results Due:	14-Oct-2021
Date Approved:	14-Oct-2021		

Approved By:**Details:** Glynn Harvey, Technical Manager

Results - Soil

Project: 21/3600 L4 Colt DCS Date Centre

Client: Concept Consultants	Chemtest Job No.:				21-33857	21-33857	21-33857	21-33857	21-33857	21-33857	21-33857	21-33857	21-33857
Quotation No.: Q21-25109	Chemtest Sample ID.:				1288807	1288808	1288809	1288810	1288811	1288812	1288813	1288814	1288815
Order No.: L2616	Client Sample Ref.:				4	8	10	13	20	24	25	31	32
	Sample Location:				BH101	BH101	BH101	BH101	BH101	BH101	BH101	BH101	BH101
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				1.60	4.50	6.00	7.35	9.45	10.50	11.50	16.00	16.50
	Bottom Depth (m):				2.00	5.00		6.50		11.00			17.00
	Date Sampled:				28-Sep-2021	28-Sep-2021	28-Sep-2021	28-Sep-2021	28-Sep-2021	28-Sep-2021	28-Sep-2021	28-Sep-2021	28-Sep-2021
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020	5.8	3.1	50	18	9.9	1.0	2.2	3.4	3.3
pH (2.5:1)	N	2010		4.0	8.9	8.9	8.4		8.7		9.2	8.9	
Magnesium (Water Soluble)	N	2120	g/l	0.010	< 0.010	< 0.010	< 0.010		< 0.010		< 0.010	< 0.010	
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	< 0.010	< 0.010	0.020		0.016		0.54	0.26	
Sulphate (2:1 Extract)	U	2120	mg/kg	20									
Total Sulphur	U	2175	%	0.010									
Chloride (Extractable)	U	2220	mg/kg	20	< 20	< 20	< 20		< 20		< 20	< 20	
Nitrate (Water Soluble)	N	2220	g/l	0.010	0.018	< 0.010	< 0.010		< 0.010		< 0.010	< 0.010	
Sulphate (Acid Soluble)	U	2430	%	0.010									
Organic Matter	U	2625	%	0.40	0.41			1.4		< 0.40			< 0.40

Results - Soil

Project: 21/3600 L4 Colt DCS Date Centre

Client: Concept Consultants	Chemtest Job No.:					21-33857	21-33857	21-33857	21-33857	21-33857	21-33857
Quotation No.: Q21-25109	Chemtest Sample ID.:					1288816	1288817	1288818	1288819	1288820	1288821
Order No.: L2616	Client Sample Ref.:					35	57	75	95	108	121
	Sample Location:					BH101	BH101	BH101	BH101	BH101	BH101
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					18.50	25.00	30.50	36.00	40.00	44.00
	Bottom Depth (m):					18.95	25.45	30.95	36.45	40.45	44.45
	Date Sampled:					28-Sep-2021	28-Sep-2021	28-Sep-2021	28-Sep-2021	28-Sep-2021	28-Sep-2021
Determinand	Accred.	SOP	Units	LOD							
Moisture	N	2030	%	0.020	13	11	11	9.3	11	10	
pH (2.5:1)	N	2010		4.0	8.3	8.3	8.5	6.8	7.7	8.2	
Magnesium (Water Soluble)	N	2120	g/l	0.010							
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	0.29	0.18	1.4	1.4	0.046	0.28	
Sulphate (2:1 Extract)	U	2120	mg/kg	20	580	360	2800		92	560	
Total Sulphur	U	2175	%	0.010	0.98	0.30	0.41		0.63	0.90	
Chloride (Extractable)	U	2220	mg/kg	20							
Nitrate (Water Soluble)	N	2220	g/l	0.010							
Sulphate (Acid Soluble)	U	2430	%	0.010	0.13	0.16	0.023		0.46	0.22	
Organic Matter	U	2625	%	0.40				1.3			

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.

Report Information

Key

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

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

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

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

All Asbestos testing is performed at the indicated laboratory

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

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

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

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



2183

Final Report

Report No.:	21-38046-1		
Initial Date of Issue:	08-Nov-2021		
Client	Concept Consultants		
Client Address:	Unit D, Herald Way Binley Industrial Estate Coventry CV3 2RQ		
Contact(s):	Kasia Mazerant Lab Lynn Griffin		
Project	21/3600 L4 Colt DCS Data Centre		
Quotation No.:		Date Received:	01-Nov-2021
Order No.:	L2630	Date Instructed:	01-Nov-2021
No. of Samples:	9		
Turnaround (Wkdays):	5	Results Due:	05-Nov-2021
Date Approved:	08-Nov-2021		
Approved By:			
Details:	Glynn Harvey, Technical Manager		

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:				21-38046	21-38046	21-38046	21-38046	21-38046	21-38046	21-38046	21-38046	21-38046
Quotation No.:	Chemtest Sample ID.:				1309975	1309976	1309977	1309978	1309979	1309980	1309981	1309982	1309983
Order No.: L2630	Client Sample Ref.:				5	10	14	18	35	64	82	106	135
	Sample Location:				BH106	BH106	BH106	BH106	BH106	BH106	BH106	BH106	BH106
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.90	3.00	6.00	7.00	11.90	20.50	25.90	33.50	43.00
	Bottom Depth (m):				1.20	3.50	6.50	7.45	12.35	20.95	26.35	33.95	43.45
	Date Sampled:				28-Oct-2021	28-Oct-2021	28-Oct-2021	28-Oct-2021	28-Oct-2021	28-Oct-2021	28-Oct-2021	28-Oct-2021	28-Oct-2021
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020	7.3	8.4	7.6	20	19	18	18	18	16
pH (2.5:1)	N	2010		4.0	8.2	8.2	8.6	8.0	8.0	8.4	8.5	8.5	8.0
Magnesium (Water Soluble)	N	2120	g/l	0.010	< 0.010	< 0.010	< 0.010						
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	0.043	0.027	< 0.010	0.090	0.23	0.22	0.17	0.22	0.64
Total Sulphur	U	2175	%	0.010				0.35	0.51	0.55	0.29	0.50	3.0
Chloride (Extractable)	U	2220	mg/kg	20	< 20	< 20	< 20						
Nitrate (Water Soluble)	N	2220	g/l	0.010	< 0.010	< 0.010	< 0.010						
Sulphate (Acid Soluble)	U	2430	%	0.010				0.026	0.054	0.046	0.031	0.035	0.13

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.

Report Information

Key

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

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

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

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

All Asbestos testing is performed at the indicated laboratory

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

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

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

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



2183

Final Report

Report No.:	21-38051-1		
Initial Date of Issue:	08-Nov-2021		
Client	Concept Consultants		
Client Address:	Unit D, Herald Way Binley Industrial Estate Coventry CV3 2RQ		
Contact(s):	Kasia Mazerant Lab Lynn Griffin		
Project	21/3600 L4 Colt DCS Data Centre		
Quotation No.:		Date Received:	01-Nov-2021
Order No.:	L2629	Date Instructed:	01-Nov-2021
No. of Samples:	21		
Turnaround (Wkdays):	5	Results Due:	05-Nov-2021
Date Approved:	08-Nov-2021		
Approved By:			
Details:	Glynn Harvey, Technical Manager		

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:					21-38051	21-38051	21-38051	21-38051	21-38051	21-38051	21-38051	21-38051
Quotation No.:	Chemtest Sample ID.:					1309994	1309995	1309996	1309997	1309998	1309999	1310000	1310001
Order No.: L2629	Client Sample Ref.:					9	19	20	24	30	34	50	74
	Sample Location:					BH105	BH105	BH105	BH105	BH105	BH105	BH105	BH105
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					1.50	3.50	4.00	5.00	7.00	8.00	13.00	20.00
	Bottom Depth (m):					2.00	3.95	4.45	5.45	7.45	8.45	13.45	20.45
	Date Sampled:					27-Oct-2021	27-Oct-2021	27-Oct-2021	27-Oct-2021	27-Oct-2021	27-Oct-2021	27-Oct-2021	27-Oct-2021
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020	15	21	22	20	21	20	18	17	18
pH (2.5:1)	N	2010		4.0	8.0	7.8	7.6	7.7	8.2	8.4	8.4	8.4	8.5
Magnesium (Water Soluble)	N	2120	g/l	0.010	< 0.010								
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	0.047	0.39	1.8	0.98	0.33	0.21	0.28	0.26	0.17
Total Sulphur	U	2175	%	0.010		0.23	2.5	0.68	0.25	0.65	0.70	4.4	0.42
Chloride (Extractable)	U	2220	mg/kg	20	< 20								
Nitrate (Water Soluble)	N	2220	g/l	0.010	< 0.010								
Sulphate (Acid Soluble)	U	2430	%	0.010		0.16	3.3	0.56	0.055	0.067	0.054	0.12	0.064
Organic Matter	U	2625	%	0.40					0.86	1.0		1.2	2.2

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:					21-38051	21-38051	21-38051	21-38051	21-38051	21-38051	21-38051	21-38051
Quotation No.:	Chemtest Sample ID.:					1310003	1310004	1310005	1310006	1310007	1310008	1310009	1310011
Order No.: L2629	Client Sample Ref.:					80	89	94	96	104	111	124	144
	Sample Location:					BH105	BH105	BH105	BH105	BH105	BH105	BH105	BH105
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					22.00	24.50	26.00	26.50	29.00	31.00	35.00	41.00
	Bottom Depth (m):					22.45	24.95	26.45	26.95	29.45	31.45	35.45	41.45
	Date Sampled:					27-Oct-2021	27-Oct-2021	27-Oct-2021	27-Oct-2021	27-Oct-2021	27-Oct-2021	27-Oct-2021	27-Oct-2021
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020	19	19	17	16	17	19	18	18	15
pH (2.5:1)	N	2010		4.0	8.7	8.4	8.5	8.6	8.2	8.7	8.7	8.7	8.4
Magnesium (Water Soluble)	N	2120	g/l	0.010									
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	0.19	0.69	0.18	0.20	0.39	0.18	0.30	< 0.010	0.53
Total Sulphur	U	2175	%	0.010	0.59	0.66	0.37	0.41	0.59	0.45	0.45	0.75	0.67
Chloride (Extractable)	U	2220	mg/kg	20									
Nitrate (Water Soluble)	N	2220	g/l	0.010									
Sulphate (Acid Soluble)	U	2430	%	0.010	0.040	0.17	0.053	0.035	0.095	0.046	0.057	0.040	0.13
Organic Matter	U	2625	%	0.40	1.0		1.6	1.7	1.6	1.3	1.4	0.81	

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:				21-38051	21-38051	21-38051
Quotation No.:	Chemtest Sample ID.:				1310012	1310013	1310014
Order No.: L2629	Client Sample Ref.:				146	156	161
	Sample Location:				BH105	BH105	BH105
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				41.50	44.50	46.00
	Bottom Depth (m):				41.95	44.95	46.45
	Date Sampled:				27-Oct-2021	27-Oct-2021	27-Oct-2021
Determinand	Accred.	SOP	Units	LOD			
Moisture	N	2030	%	0.020	17	16	13
pH (2.5:1)	N	2010		4.0	8.5	8.2	8.2
Magnesium (Water Soluble)	N	2120	g/l	0.010			
Sulphate (2:1 Water Soluble) as SO ₄	U	2120	g/l	0.010	0.30	0.27	0.57
Total Sulphur	U	2175	%	0.010	1.0	0.73	0.55
Chloride (Extractable)	U	2220	mg/kg	20			
Nitrate (Water Soluble)	N	2220	g/l	0.010			
Sulphate (Acid Soluble)	U	2430	%	0.010	0.091	0.11	0.12
Organic Matter	U	2625	%	0.40		1.1	1.3

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.

Report Information

Key

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I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

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

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

All Asbestos testing is performed at the indicated laboratory

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

Sample Deviation Codes

- A - Date of sampling not supplied
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Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

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

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



2183

Final Report

Report No.:	21-44356-1		
Initial Date of Issue:	22-Dec-2021		
Client	Concept Consultants		
Client Address:	Unit D, Herald Way Binley Industrial Estate Coventry CV3 2RQ		
Contact(s):	Kasia Mazerant Lab Lynn Griffin		
Project	21/3600 L4 Colt DCS Data Centre		
Quotation No.:	Q21-25934	Date Received:	16-Dec-2021
Order No.:	L2658	Date Instructed:	16-Dec-2021
No. of Samples:	1		
Turnaround (Wkdays):	5	Results Due:	22-Dec-2021
Date Approved:	22-Dec-2021		
Approved By:			
Details:	Glynn Harvey, Technical Manager		

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:				21-44356
Quotation No.: Q21-25934	Chemtest Sample ID.:				1340861
	Client Sample ID.:				6
	Sample Location:				BH105
	Sample Type:				SOIL
	Top Depth (m):				1.0
	Date Sampled:				08-Dec-2021
Determinand	Accred.	SOP	Units	LOD	
Moisture	N	2030	%	0.020	5.8
pH (2.5:1)	N	2010		4.0	10.3
Sulphate (2:1 Water Soluble) as SO ₄	U	2120	g/l	0.010	1.1

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES

Report Information

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<	"less than"
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SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

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None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

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

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- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

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

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



2183

Amended Report

Report No.:	21-45631-2		
Initial Date of Issue:	11-Jan-2022	Date of Re-Issue:	21-Jan-2022
Client	Concept Consultants		
Client Address:	Unit D, Herald Way Binley Industrial Estate Coventry CV3 2RQ		
Contact(s):	Kasia Mazerant Lab Lynn Griffin		
Project	21/3600 L4 Colt DCS Data Centre		
Quotation No.:	Q21-25527	Date Received:	24-Dec-2021
Order No.:	L2662	Date Instructed:	24-Dec-2021
No. of Samples:	16		
Turnaround (Wkdays):	21	Results Due:	26-Jan-2022
Date Approved:	21-Jan-2022		
Approved By:			

Details: Stuart Henderson, Technical Manager

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:				21-45631	21-45631	21-45631	21-45631	21-45631	21-45631	21-45631	21-45631	21-45631
Quotation No.: Q21-25527	Chemtest Sample ID.:				1346971	1346972	1346973	1346974	1346975	1346976	1346977	1346978	1346979
Order No.: L2662	Client Sample Ref.:				1	3	21	28	31	38	46	53	59
	Sample Location:				BH102A	BH103A	BH103A	BH103A	BH103A	BH103A	BH103A	BH103A	BH103A
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.70	1.20	8.50	11.50	12.30	14.30	16.80	18.90	21.00
	Bottom Depth (m):								12.75	14.75	17.25	19.35	21.45
	Date Sampled:				22-Dec-2021	22-Dec-2021	22-Dec-2021	22-Dec-2021	22-Dec-2021	22-Dec-2021	22-Dec-2021	22-Dec-2021	22-Dec-2021
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020	5.8	10	2.4	1.2	12	12	16	27	15
pH (2.5:1)	N	2010		4.0	11.5	9.1	9.5	9.2	8.7	8.9	8.7	8.8	8.7
Magnesium (Water Soluble)	N	2120	g/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010					
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	1.1	0.013	0.011	< 0.010	0.14	0.045	0.050	0.041	0.085
Total Sulphur	U	2175	%	0.010					0.72	0.35	0.55	0.35	0.46
Chloride (Water Soluble)	U	2220	g/l	0.010	0.016	0.013	< 0.010	< 0.010					
Nitrate (Water Soluble)	N	2220	g/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010					
Sulphate (Acid Soluble)	U	2430	%	0.010					0.057	0.029	0.028	0.033	0.035

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:				21-45631	21-45631	21-45631	21-45631	21-45631	21-45631	21-45631
Quotation No.: Q21-25527	Chemtest Sample ID.:				1346980	1346981	1346982	1346983	1346984	1346985	1346986
Order No.: L2662	Client Sample Ref.:				67	78	86	93	102	107	115
	Sample Location:				BH103A	BH103A	BH103A	BH103A	BH103A	BH103A	BH103A
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				23.50	27.00	29.50	31.50	34.50	36.00	38.50
	Bottom Depth (m):				23.95	27.45	29.95	31.95	34.95	36.45	38.95
	Date Sampled:				22-Dec-2021	22-Dec-2021	22-Dec-2021	22-Dec-2021	22-Dec-2021	22-Dec-2021	22-Dec-2021
Determinand	Accred.	SOP	Units	LOD							
Moisture	N	2030	%	0.020	21	13	14	16	15	15	13
pH (2.5:1)	N	2010		4.0	8.7	8.4	8.4	8.4	8.6	8.9	8.7
Magnesium (Water Soluble)	N	2120	g/l	0.010							
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	0.088	0.20	0.10	0.11	0.11	0.073	0.092
Total Sulphur	U	2175	%	0.010	0.69	1.9	0.54	0.31	0.52	0.38	0.83
Chloride (Water Soluble)	U	2220	g/l	0.010							
Nitrate (Water Soluble)	N	2220	g/l	0.010							
Sulphate (Acid Soluble)	U	2430	%	0.010	0.055	0.067	0.056	0.069	0.042	0.039	0.046

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.

Report Information

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>	"greater than"
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Sample Deviation Codes

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Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

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

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



2183

Amended Report

Report No.:	21-45632-3		
Initial Date of Issue:	11-Jan-2022	Date of Re-Issue:	08-Feb-2022
Client	Concept Consultants		
Client Address:	Unit D, Herald Way Binley Industrial Estate Coventry CV3 2RQ		
Contact(s):	Kasia Mazerant Lab Lynn Griffin		
Project	21/3600 L4 Colt DCS Data Centre		
Quotation No.:	Q21-25527	Date Received:	24-Dec-2021
Order No.:	L2668	Date Instructed:	24-Dec-2021
No. of Samples:	5		
Turnaround (Wkdays):	11	Results Due:	11-Jan-2022
Date Approved:	11-Jan-2022		
Approved By:			



Details: Stuart Henderson, Technical Manager

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:					21-45632	21-45632	21-45632	21-45632	21-45632
Quotation No.: Q21-25527	Chemtest Sample ID.:					1346987	1346988	1346989	1346990	1346991
	Client Sample ID.:					35	64	84	106	121
	Sample Location:					BH107	BH107	BH107	BH107	BH107
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					15.5	24.00	30.0	38.0	45.5
	Bottom Depth (m):					15.95	24.45	30.45	38.45	45.95
	Date Sampled:					22-Dec-2021	22-Dec-2021	22-Dec-2021	22-Dec-2021	22-Dec-2021
Determinand	Accred.	SOP	Units	LOD						
Moisture	N	2030	%	0.020	20	16	20	21	15	
pH (2.5:1)	N	2010		4.0	8.6	8.5	8.5	8.5	8.2	
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	0.056	0.040	0.081	0.22	0.82	
Total Sulphur	U	2175	%	0.010	0.50	0.33	0.36	0.87	0.85	
Sulphate (Acid Soluble)	U	2430	%	0.010	0.037	0.016	0.026	0.075	0.17	

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.

Report Information

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Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

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

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



2183

Amended Report

Report No.:	21-45633-2		
Initial Date of Issue:	11-Jan-2022	Date of Re-Issue:	21-Jan-2022
Client	Concept Consultants		
Client Address:	Unit D, Herald Way Binley Industrial Estate Coventry CV3 2RQ		
Contact(s):	Kasia Mazerant Lab Lynn Griffin		
Project	21/3600 L4 Colt DCS Data Centre		
Quotation No.:	Q21-25527	Date Received:	24-Dec-2021
Order No.:	L2664	Date Instructed:	24-Dec-2021
No. of Samples:	2		
Turnaround (Wkdays):	21	Results Due:	26-Jan-2022
Date Approved:	21-Jan-2022		

Approved By:

Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:				21-45633	21-45633
Quotation No.: Q21-25527	Chemtest Sample ID.:				1346992	1346993
	Client Sample ID.:				6	6
	Sample Location:				WS204	WS210
	Sample Type:				SOIL	SOIL
	Top Depth (m):				1.20	1.30
	Bottom Depth (m):				1.60	2.00
	Date Sampled:				22-Dec-2021	22-Dec-2021
Determinand	Accred.	SOP	Units	LOD		
Moisture	N	2030	%	0.020	7.3	6.1
pH (2.5:1)	N	2010		4.0	9.5	8.4
Magnesium (Water Soluble)	N	2120	g/l	0.010	< 0.010	< 0.010
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	< 0.010	< 0.010
Chloride (Water Soluble)	U	2220	g/l	0.010	< 0.010	< 0.010
Nitrate (Water Soluble)	N	2220	g/l	0.010	< 0.010	0.017

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.

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>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

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

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

All Asbestos testing is performed at the indicated laboratory

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

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

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

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



2183

Amended Report

Report No.:	21-45634-2		
Initial Date of Issue:	11-Jan-2022	Date of Re-Issue:	21-Jan-2022
Client	Concept Consultants		
Client Address:	Unit D, Herald Way Binley Industrial Estate Coventry CV3 2RQ		
Contact(s):	Kasia Mazerant Lab Lynn Griffin		
Project	21/3600 L4 Colt DCS Data Centre		
Quotation No.:	Q21-25527	Date Received:	24-Dec-2021
Order No.:	L2663	Date Instructed:	24-Dec-2021
No. of Samples:	10		
Turnaround (Wkdays):	21	Results Due:	26-Jan-2022
Date Approved:	21-Jan-2022		
Approved By:			



Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:				21-45634	21-45634	21-45634	21-45634	21-45634	21-45634	21-45634	21-45634	21-45634
Quotation No.: Q21-25527	Chemtest Sample ID.:				1346994	1346995	1346996	1346997	1346998	1346999	1347000	1347001	1347002
	Client Sample ID.:				6	5	14	29	40	69	80	104	116
	Sample Location:				BH104A	BH104C	BH104C	BH104C	BH104C	BH104C	BH104C	BH104C	BH104C
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				1.0	3.5	7.0	11.5	15.0	23.5	27.0	34.0	38.0
	Bottom Depth (m):				1.2	4.0	7.45	11.95	15.45	23.95	27.45	34.45	38.45
	Date Sampled:				22-Dec-2021	22-Dec-2021	22-Dec-2021	22-Dec-2021	22-Dec-2021	22-Dec-2021	22-Dec-2021	22-Dec-2021	22-Dec-2021
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020	12	2.0	19	20	19	20	18	19	19
pH (2.5:1)	N	2010		4.0	9.5	8.3	7.9	8.2	8.4	8.3	8.4	8.5	8.3
Magnesium (Water Soluble)	N	2120	g/l	0.010	< 0.010	< 0.010							
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	0.33	< 0.010	0.40	0.19	0.18	0.29	0.099	0.14	0.17
Total Sulphur	U	2175	%	0.010			0.52	0.37	0.63	0.90	0.32	0.43	1.1
Chloride (Water Soluble)	U	2220	g/l	0.010	0.033	0.025							
Nitrate (Water Soluble)	N	2220	g/l	0.010	0.014	< 0.010							
Sulphate (Acid Soluble)	U	2430	%	0.010			0.10	0.078	0.045	0.077	0.041	0.043	0.069

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:				21-45634
Quotation No.: Q21-25527	Chemtest Sample ID.:				1347003
	Client Sample ID.:				125
	Sample Location:				BH104C
	Sample Type:				SOIL
	Top Depth (m):				40.5
	Bottom Depth (m):				40.95
	Date Sampled:				22-Dec-2021
Determinand	Accred.	SOP	Units	LOD	
Moisture	N	2030	%	0.020	20
pH (2.5:1)	N	2010		4.0	8.7
Magnesium (Water Soluble)	N	2120	g/l	0.010	
Sulphate (2:1 Water Soluble) as SO ₄	U	2120	g/l	0.010	0.14
Total Sulphur	U	2175	%	0.010	1.6
Chloride (Water Soluble)	U	2220	g/l	0.010	
Nitrate (Water Soluble)	N	2220	g/l	0.010	
Sulphate (Acid Soluble)	U	2430	%	0.010	0.12

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
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I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

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

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

All Asbestos testing is performed at the indicated laboratory

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

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

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

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



2183

Amended Report

Report No.:	22-00197-2		
Initial Date of Issue:	12-Jan-2022	Date of Re-Issue:	21-Jan-2022
Client	Concept Consultants		
Client Address:	Unit D, Herald Way Binley Industrial Estate Coventry CV3 2RQ		
Contact(s):	Kasia Mazerant Lab Lynn Griffin		
Project	21/3600 L4 Colt DCS Data Centre		
Quotation No.:		Date Received:	07-Jan-2022
Order No.:	L2672	Date Instructed:	07-Jan-2022
No. of Samples:	3		
Turnaround (Wkdays):	14	Results Due:	26-Jan-2022
Date Approved:	21-Jan-2022		
Approved By:			



Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:				22-00197	22-00197	22-00197
Quotation No.:	Chemtest Sample ID.:				1348190	1348191	1348192
Order No.: L2672	Client Sample Ref.:				3	8	4
	Sample Location:				BH103A	BH103A	TP401 NE
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				1.2	3.3	1.0
	Bottom Depth (m):					3.6	
	Date Sampled:				06-Jan-2022	06-Jan-2022	06-Jan-2022
Determinand	Accred.	SOP	Units	LOD			
Moisture	N	2030	%	0.020	8.6	3.9	8.2
pH (2.5:1)	N	2010		4.0	8.5	8.8	9.3
Magnesium (Water Soluble)	N	2120	g/l	0.010	< 0.010	< 0.010	< 0.010
Sulphate (2:1 Water Soluble) as SO ₄	U	2120	g/l	0.010	0.054	< 0.010	0.22
Chloride (Water Soluble)	U	2220	g/l	0.010	< 0.010	< 0.010	< 0.010
Nitrate (Water Soluble)	N	2220	g/l	0.010	< 0.010	< 0.010	< 0.010

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.

Report Information

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SOP	Standard operating procedure
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Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

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

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



2183

Amended Report

Report No.:	22-01415-2		
Initial Date of Issue:	24-Jan-2022	Date of Re-Issue:	09-Feb-2022
Client	Concept Consultants		
Client Address:	Unit D, Herald Way Binley Industrial Estate Coventry CV3 2RQ		
Contact(s):	Kasia Mazerant Lab Lynn Griffin		
Project	21/3600 L4 Colt DCS Data Centre		
Quotation No.:	Q21-22809	Date Received:	18-Jan-2022
Order No.:	L2682	Date Instructed:	18-Jan-2022
No. of Samples:	7		
Turnaround (Wkdays):	5	Results Due:	24-Jan-2022
Date Approved:	24-Jan-2022		
Approved By:			



Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:				22-01415	22-01415	22-01415	22-01415	22-01415	22-01415	22-01415
Quotation No.: Q21-22809	Chemtest Sample ID.:				1352959	1352960	1352961	1352962	1352963	1352964	1352965
Order No.: L2682	Client Sample Ref.:				5	4	3	8	6	6	5
	Sample Location:				WS203	WS205A	WS207	WS209	WS214	WS215	WS216
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				1.0	0.6	0.7	2.6	1.0	1.0	0.8
	Bottom Depth (m):				1.2		1.0	3.7		1.2	1.0
	Date Sampled:				13-Jan-2022	13-Jan-2022	13-Jan-2022	13-Jan-2022	13-Jan-2022	13-Jan-2022	13-Jan-2022
Determinand	Accred.	SOP	Units	LOD							
Moisture	N	2030	%	0.020	9.8	4.6	4.8	10	11	4.5	4.2
pH (2.5:1)	N	2010		4.0	8.3	8.3	9.0	8.3	10.1	10.0	11.3
Magnesium (Water Soluble)	N	2120	g/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	0.27	< 0.010	0.022	< 0.010	1.5	0.99	2.1
Chloride (Water Soluble)	U	2220	g/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.017	0.022
Nitrate (Water Soluble)	N	2220	g/l	0.010	0.013	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.

Report Information

Key

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LOD	Limit of detection

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All results are expressed on a dry weight basis

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

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

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Sample Deviation Codes

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- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

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

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



2183

Final Report

Report No.:	22-02036-1		
Initial Date of Issue:	27-Jan-2022		
Client	Concept Consultants		
Client Address:	Unit D, Herald Way Binley Industrial Estate Coventry CV3 2RQ		
Contact(s):	Kasia Mazerant Lab Lynn Griffin		
Project	21/3600 L4 Colt DCS Data Centre		
Quotation No.:	Q21-22809	Date Received:	21-Jan-2022
Order No.:	L2683	Date Instructed:	21-Jan-2022
No. of Samples:	8		
Turnaround (Wkdays):	5	Results Due:	27-Jan-2022
Date Approved:	27-Jan-2022		

Approved By:

Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:				22-02036	22-02036	22-02036	22-02036	22-02036	22-02036	22-02036	22-02036
Quotation No.: Q21-22809	Chemtest Sample ID.:				1355871	1355872	1355873	1355874	1355875	1355876	1355877	1355878
Order No.: L2683	Client Sample Ref.:				14	21	29	40	45	51	61	67
	Sample Location:				BH102B	BH102B	BH102B	BH102B	BH102B	BH102B	BH102B	BH102B
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				4.50	7.00	9.50	13.00	14.50	16.00	19.00	21.00
	Bottom Depth (m):				5.00	7.45	9.95	13.45	14.95	16.45	19.45	21.45
	Date Sampled:				19-Jan-2022	19-Jan-2022	19-Jan-2022	19-Jan-2022	19-Jan-2022	19-Jan-2022	19-Jan-2022	19-Jan-2022
Determinand	Accred.	SOP	Units	LOD								
Moisture	N	2030	%	0.020	3.9	27	23	21	22	19	58	41
pH (2.5:1)	N	2010		4.0	10.1	9.4	9.3	9.3	9.7	9.3	9.3	9.2
Magnesium (Water Soluble)	N	2120	g/l	0.010	< 0.010							
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	0.025							
Sulphate (2:1 Extract)	U	2120	mg/kg	20		130	80	100	140	110	98	220
Total Sulphur	U	2175	%	0.010		0.28	0.46	0.38	0.30	0.51	0.35	0.62
Chloride (Water Soluble)	U	2220	g/l	0.010	< 0.010							
Nitrate (Water Soluble)	N	2220	g/l	0.010	< 0.010							
Sulphate (Acid Soluble)	U	2430	%	0.010		0.023	0.021	0.019	0.022	0.044	0.042	0.064

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.

Report Information

Key

U	UKAS accredited
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I/S	Insufficient Sample
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<	"less than"
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SOP	Standard operating procedure
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Comments or interpretations are beyond the scope of UKAS accreditation

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None of the results in this report have been recovery corrected

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All Asbestos testing is performed at the indicated laboratory

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

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

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

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



2183

Amended Report

Report No.:	22-02324-2		
Initial Date of Issue:	28-Jan-2022	Date of Re-Issue:	08-Feb-2022
Client	Concept Consultants		
Client Address:	Unit D, Herald Way Binley Industrial Estate Coventry CV3 2RQ		
Contact(s):	Kasia Mazerant Lab Lynn Griffin		
Project	21/3600 L4 Colt DCS Data Centre		
Quotation No.:	Q21-22809	Date Received:	24-Jan-2022
Order No.:	L2687	Date Instructed:	24-Jan-2022
No. of Samples:	16		
Turnaround (Wkdays):	13	Results Due:	09-Feb-2022
Date Approved:	08-Feb-2022		

Approved By:



Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:				22-02324	22-02324	22-02324	22-02324	22-02324	22-02324	22-02324	22-02324	22-02324
Quotation No.: Q21-22809	Chemtest Sample ID.:				1357176	1357177	1357178	1357179	1357180	1357181	1357182	1357183	1357184
Order No.: L2687	Client Sample Ref.:				2	8	13	19	28	32	42	49	54
	Sample Location:				BH110	BH110	BH110	BH110	BH110	BH110	BH110	BH110	BH110
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.30	1.50	3.50	5.50	11.50	13.00	16.00	18.00	20.00
	Bottom Depth (m):					2.00	4.00	6.00	12.00	13.45	16.45	18.45	20.45
	Date Sampled:				21-Jan-2022	21-Jan-2022	21-Jan-2022	21-Jan-2022	21-Jan-2022	21-Jan-2022	21-Jan-2022	21-Jan-2022	21-Jan-2022
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020	11	3.1	24	4.2	6.1	45	20	19	37
pH (2.5:1)	N	2010		4.0	11.2	9.8	8.7	9.0	9.0	8.3	8.3	8.6	8.2
Magnesium (Water Soluble)	N	2120	g/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010				
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	0.29	0.041	0.012	< 0.010	< 0.010				
Sulphate (2:1 Extract)	U	2120	mg/kg	20						160	220	110	440
Total Sulphur	U	2175	%	0.010						0.71	0.40	0.56	0.45
Chloride (Water Soluble)	U	2220	g/l	0.010	< 0.010	< 0.010	0.018	< 0.010	< 0.010				
Nitrate (Water Soluble)	N	2220	g/l	0.010	< 0.010	< 0.010	0.038	< 0.010	< 0.010				
Sulphate (Acid Soluble)	U	2430	%	0.010						0.28	0.17	0.12	0.30
Organic Matter	U	2625	%	0.40			< 0.40						

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:				22-02324	22-02324	22-02324	22-02324	22-02324	22-02324	22-02324
Quotation No.: Q21-22809	Chemtest Sample ID.:				1357185	1357186	1357187	1357188	1357189	1357190	1357191
Order No.: L2687	Client Sample Ref.:				68	78	84	99	113	122	129
	Sample Location:				BH110	BH110	BH110	BH110	BH110	BH110	BH110
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				24.00	27.00	29.00	33.00	38.00	41.00	43.50
	Bottom Depth (m):				24.45	27.45	29.45	33.45	38.45	41.45	43.95
	Date Sampled:				21-Jan-2022	21-Jan-2022	21-Jan-2022	21-Jan-2022	21-Jan-2022	21-Jan-2022	21-Jan-2022
Determinand	Accred.	SOP	Units	LOD							
Moisture	N	2030	%	0.020	24	20	20	19	20	28	21
pH (2.5:1)	N	2010		4.0	8.4	8.5	8.3	8.2	8.0	8.0	8.3
Magnesium (Water Soluble)	N	2120	g/l	0.010							
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010							
Sulphate (2:1 Extract)	U	2120	mg/kg	20	340	120	220	280	460	540	600
Total Sulphur	U	2175	%	0.010	0.34	0.64	0.45	0.43	0.82	1.3	0.75
Chloride (Water Soluble)	U	2220	g/l	0.010							
Nitrate (Water Soluble)	N	2220	g/l	0.010							
Sulphate (Acid Soluble)	U	2430	%	0.010	0.079	0.054	0.037	0.032	0.054	0.094	0.042
Organic Matter	U	2625	%	0.40							

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.

Report Information

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U	UKAS accredited
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U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
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SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

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

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

All Asbestos testing is performed at the indicated laboratory

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Sample Deviation Codes

- A - Date of sampling not supplied
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- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

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

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



2183

Amended Report

Report No.:	22-02329-2		
Initial Date of Issue:	28-Jan-2022	Date of Re-Issue:	08-Feb-2022
Client	Concept Consultants		
Client Address:	Unit D, Herald Way Binley Industrial Estate Coventry CV3 2RQ		
Contact(s):	Kasia Mazerant Lab Lynn Griffin		
Project	21/3600 L4 Colt DCS Data Centre		
Quotation No.:	Q21-22809	Date Received:	24-Jan-2022
Order No.:	L2688	Date Instructed:	24-Jan-2022
No. of Samples:	9		
Turnaround (Wkdays):	13	Results Due:	09-Feb-2022
Date Approved:	08-Feb-2022		

Approved By:



Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:				22-02329	22-02329	22-02329	22-02329	22-02329	22-02329	22-02329	22-02329	22-02329
Quotation No.: Q21-22809	Chemtest Sample ID.:				1357223	1357224	1357225	1357226	1357227	1357228	1357229	1357230	1357231
Order No.: L2688	Client Sample Ref.:				4	8	12	16	20	24	28	3	3
	Sample Location:				BH107	BH107	BH107	BH107	BH107	BH107	BH107	WS211	WS217
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.60	1.50	3.50	6.00	7.00	8.00	11.00	0.35	1.20
	Bottom Depth (m):					2.00	4.00	6.50		8.50	11.50	0.70	1.60
	Date Sampled:				21-Jan-2022	21-Jan-2022	21-Jan-2022	21-Jan-2022	21-Jan-2022	21-Jan-2022	21-Jan-2022	21-Jan-2022	21-Jan-2022
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020	17	6.0	2.9	22	18	2.7	1.9	17	4.3
pH (2.5:1)	N	2010		4.0	8.8	8.7	8.8	8.7	8.4	8.4	8.8	8.2	8.5
Magnesium (Water Soluble)	N	2120	g/l	0.010	< 0.010	< 0.010	< 0.010	0.012	0.010	< 0.010	< 0.010	0.010	< 0.010
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	0.036	0.025	0.011	0.29	0.29	0.063	< 0.010	0.26	0.028
Chloride (Water Soluble)	U	2220	g/l	0.010	0.012	< 0.010	< 0.010	0.036	0.048	< 0.010	< 0.010	0.018	< 0.010
Nitrate (Water Soluble)	N	2220	g/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Organic Matter	U	2625	%	0.40		< 0.40	< 0.40	1.2					

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.

Report Information

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2183

Final Report

Report No.:	22-02330-1		
Initial Date of Issue:	28-Jan-2022		
Client	Concept Consultants		
Client Address:	Unit D, Herald Way Binley Industrial Estate Coventry CV3 2RQ		
Contact(s):	Kasia Mazerant Lab Lynn Griffin		
Project	21/3600 L4 Colt DCS Data Centre		
Quotation No.:		Date Received:	24-Jan-2022
Order No.:	L2689	Date Instructed:	24-Jan-2022
No. of Samples:	7		
Turnaround (Wkdays):	5	Results Due:	28-Jan-2022
Date Approved:	28-Jan-2022		
Approved By:			
Details:	Stuart Henderson, Technical Manager		

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:					22-02330	22-02330	22-02330	22-02330	22-02330	22-02330	22-02330
Quotation No.:	Chemtest Sample ID.:					1357232	1357233	1357234	1357235	1357236	1357237	1357238
	Client Sample ID.:					2	4	8	2	4	4	4
	Sample Location:					IT501	IT501	TP304	TP305	TP305	TP307	TP310
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					1.00	2.00	2.50	0.20	1.10	0.50	0.80
	Bottom Depth (m):								0.50	1.20		1.00
	Date Sampled:					19-Jan-2022	19-Jan-2022	19-Jan-2022	19-Jan-2022	19-Jan-2022	19-Jan-2022	19-Jan-2022
Determinand	Accred.	SOP	Units	LOD								
Moisture	N	2030	%	0.020	6.9	15	4.0	11	1.6	10	1.7	
pH (2.5:1)	N	2010		4.0	8.8	8.5	8.6	9.8	9.1	9.8	10.4	
Magnesium (Water Soluble)	N	2120	g/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	
Sulphate (2:1 Water Soluble) as SO ₄	U	2120	g/l	0.010	< 0.010	< 0.010	< 0.010	1.7	0.20	0.27	0.26	
Chloride (Water Soluble)	U	2220	g/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.013	< 0.010	
Nitrate (Water Soluble)	N	2220	g/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.012	< 0.010	< 0.010	

Test Methods

SOP	Title	Parameters included	Method summary
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Final Report

Report No.:	22-02814-1		
Initial Date of Issue:	02-Feb-2022		
Client	Concept Consultants		
Client Address:	Unit D, Herald Way Binley Industrial Estate Coventry CV3 2RQ		
Contact(s):	Kasia Mazerant Lab Lynn Griffin		
Project	21/3600 L4 Colt DCS Data Centre		
Quotation No.:	Q21-22809	Date Received:	27-Jan-2022
Order No.:	L2695	Date Instructed:	27-Jan-2022
No. of Samples:	14		
Turnaround (Wkdays):	5	Results Due:	02-Feb-2022
Date Approved:	02-Feb-2022		
Approved By:			
Details:	Stuart Henderson, Technical Manager		
