



EARTH ENVIRONMENTAL
& GEOTECHNICAL

EARTH ENVIRONMENTAL & GEOTECHNICAL
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TRIAL PIT LOG

Project Name: 120 Laund Road, Huddersfield

Date: 13/06/2019

Project No.: A0697/19

Client: Creative Developments (Hudds) Ltd

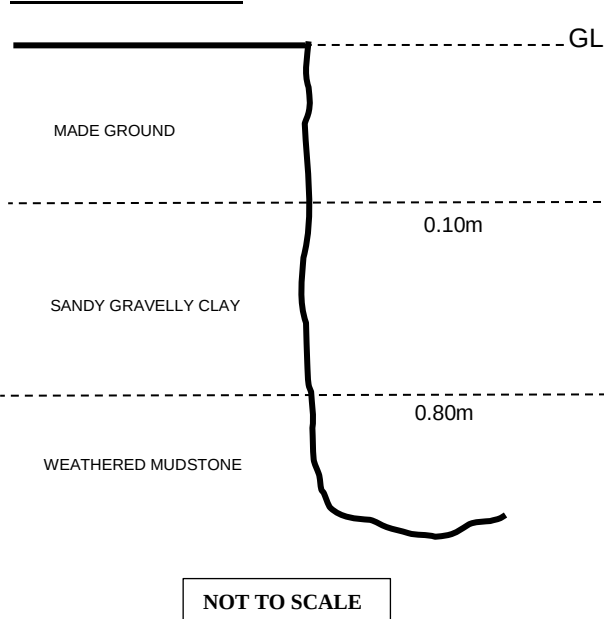
Hole Number: TP1

Logged By: J Sheridan

Total Depth: 2.50m

Remarks: No groundwater encountered

Schematic Profile:



Legend	Depth (m)	Description
	0.00-0.10	MADE GROUND: Brown, sandy, slightly gravelly CLAY with frequent roots. Gravel is fine to coarse, subangular to subrounded sandstone, mudstone and occasional brick fragments.
	0.10-0.80	Soft to firm, orange brown mottled grey, sandy, gravelly CLAY with roots. Gravel is fine to coarse subangular to subrounded of mudstone and sandstone. HVR at 0.50m = 30 kN/m ²
	0.80-2.50	Weakly bedded dark grey mottled orange, brown and grey, weathered MUDSTONE recovered as weak shaley medium to coarse gravel with clayey matrix.

Trial pit terminated at 2.50m.

ES=Environmental Sample, D=Disturbed Sample, HVR=Hand Vane Reading

Pictures:



Trial Pit 1: Internal view of excavation



Trial Pit 1: Overview of excavated soils



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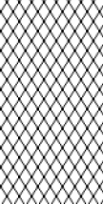
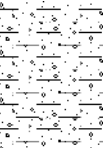
Hole Number: TP2

Logged By: J Sheridan

Total Depth: 2.90m

Remarks: No groundwater encountered

Schematic Profile:

Legend	Depth (m)	Description
	0.00-0.30	MADE GROUND: Greyish brown, sandy, gravelly CLAY. Gravel is fine to coarse, subangular mudstone, sandstone, plastic, brick and tile fragments. ES at 0.20m HVR at 0.50m = 29 kN/m ²
	0.30-0.60	Soft to firm, orange brown mottled grey, sandy, gravelly CLAY with roots. Gravel is fine to coarse, subangular to subrounded mudstone and sandstone.
	0.60-2.90	Weakly bedded dark grey mottled orange, brown and grey, weathered MUDSTONE recovered as weak shaley medium to coarse gravel with clayey matrix.

NOT TO SCALE

Trial pit terminated at 2.90m.

ES=Environmental Sample, D=Disturbed Sample, HVR=Hand Vane Reading

Pictures:



Trial Pit 2: Internal view of excavation



Trial Pit 2: Overview of excavated soils



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Date: 13/06/2019

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Client: Creative Developments (Hudds) Ltd

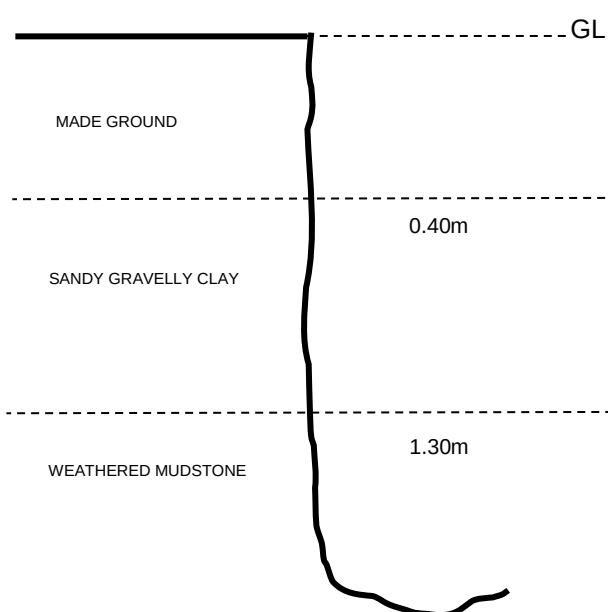
Hole Number: TP3

Logged By: J Sheridan

Total Depth: 2.90m

Remarks: No groundwater encountered

Schematic Profile:



Legend	Depth (m)	Description
	0.00-0.40	MADE GROUND: Brown, sandy, slightly gravelly CLAY with frequent roots. Gravel is fine to coarse, subangular to subrounded sandstone, mudstone and occasional brick/tile fragments.
	0.40-1.30	Soft to firm, orange brown mottled grey, sandy, gravelly CLAY with roots. Gravel is fine to coarse, subangular to subrounded mudstone and sandstone. HVR at 0.40m = 30 kN/m ² HVR at 0.80m = 45 kN/m ²
	1.30-2.90	Weakly bedded dark grey mottled orange, brown and grey, weathered MUDSTONE recovered as weak shaley medium to coarse gravel with clayey matrix.

Trial pit terminated at 2.90m.

ES=Environmental Sample, D=Disturbed Sample, HVR=Hand Vane Reading

Pictures:



Trial Pit 3: Internal view of excavation



Trial Pit 3: Overview of excavated soils



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TRIAL PIT LOG

Project Name: 120 Laund Road, Huddersfield

Date: 13/06/2019

Project No.: A0697/19

Client: Creative Developments (Hudds) Ltd

Hole Number: TP4

Logged By: J Sheridan

Total Depth: 3.10m

Remarks: No groundwater encountered

Schematic Profile:

		Legend	Depth (m)	Description
MADE GROUND	GL		0.00-0.60	MADE GROUND: Soft greyish brown, sandy, gravelly CLAY with frequent roots. Gravel is fine to coarse, subangular to subrounded sandstone, mudstone, brick and concrete fragments. ES at 0.30m
SANDY CLAY	0.60m		0.60-1.10	Soft to firm, brown sandy CLAY with rootlets. (Possible relict topsoil). ES at 0.70m
SANDY GRAVELLY CLAY	1.10m		1.10-1.80	Soft to firm, orange brown mottled grey, sandy, gravelly CLAY with roots. Gravel is fine to coarse, subangular to subrounded mudstone and sandstone.
WEATHERED MUDSTONE	1.80m		1.80-3.10	Weakly bedded dark grey mottled orange, brown and grey, weathered MUDSTONE recovered as weak shaley medium to coarse gravel with clayey matrix. D at 2.80m
NOT TO SCALE				

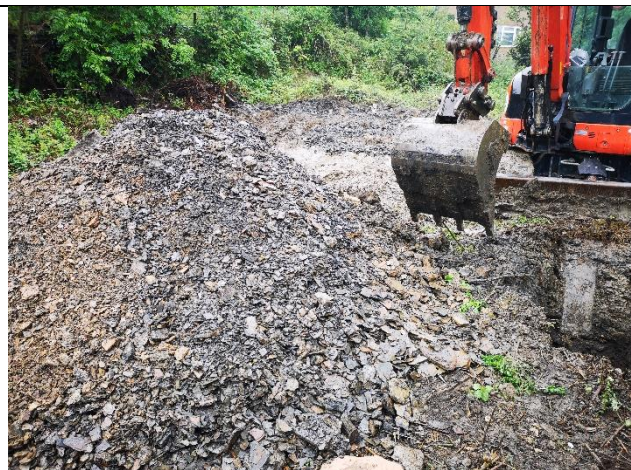
Trial pit terminated at 3.10m.

ES=Environmental Sample, D=Disturbed Sample, HVR=Hand Vane Reading

Pictures:



Trial Pit 4: Internal view of excavation



Trial Pit 4: Overview of excavated soils



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Client: Creative Developments (Hudds) Ltd

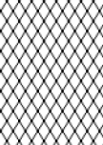
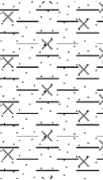
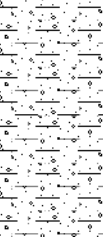
Hole Number: TP5

Logged By: J Sheridan

Total Depth: 3.00m

Remarks: No groundwater encountered

Schematic Profile:

Legend	Depth (m)	Description
	0.00-0.10	MADE GROUND: Soft greyish brown, sandy, gravelly CLAY. Gravel is fine to coarse, subangular to subrounded sandstone, mudstone, brick and concrete fragments.
	0.10-0.50	Soft, brown, silty, sandy CLAY with rootlets and occasional gravel of fine to medium, subrounded mudstone and sandstone. (Possible relict topsoil).
	0.50-1.30	Soft to firm, orange brown mottled grey, sandy, gravelly CLAY with roots. Gravel is fine to coarse, subangular to subrounded mudstone and sandstone. D at 1.0m HVR at 0.80m = 55 kN/m ² HVR at 1.00m = 72 kN/m ²
	1.30-3.00	Weakly bedded dark grey mottled orange, brown and grey, weathered MUDSTONE recovered as weak shaley medium to coarse gravel with clayey matrix.

NOT TO SCALE

Trial pit terminated at 3.00m.

ES=Environmental Sample, D=Disturbed Sample, HVR=Hand Vane Reading

Pictures:



Trial Pit 5: Internal view of excavation



Trial Pit 5: Overview of excavated soils



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Date: 13/06/2019

Project No.: A0697/19

Client: Creative Developments (Hudds) Ltd

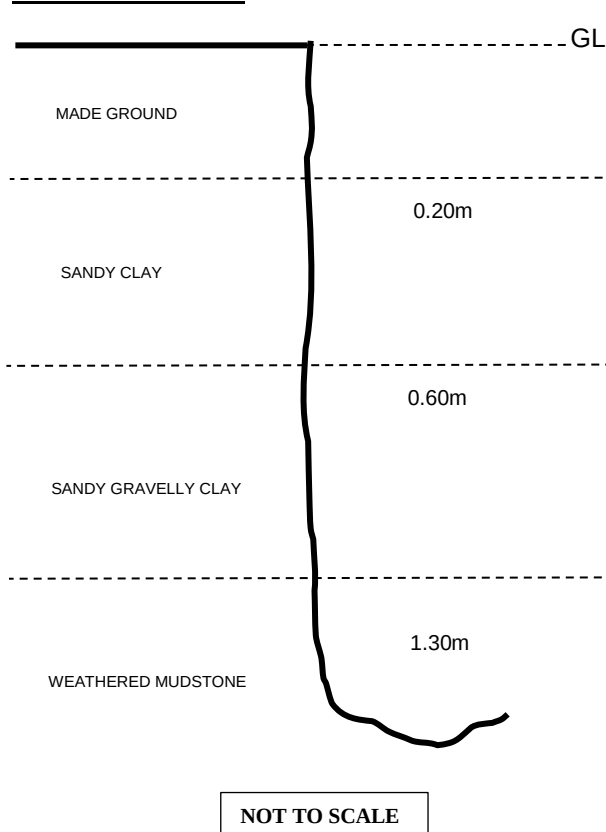
Hole Number: TP6

Logged By: J Sheridan

Total Depth: 3.10m

Remarks: No groundwater encountered

Schematic Profile:



Legend	Depth (m)	Description
	0.00-0.20	MADE GROUND: Soft greyish brown, sandy, gravelly CLAY. Gravel is fine to coarse, subangular to subrounded sandstone, mudstone, brick and concrete fragments.
	0.20-0.60	Soft, brown, silty, sandy CLAY with rootlets and occasional gravel of fine to medium, subrounded mudstone and sandstone. (Possible relict topsoil).
	0.60-1.20	Soft to firm, orange brown mottled grey, sandy, gravelly CLAY with roots. Gravel is fine to coarse, subangular to subrounded mudstone and sandstone. ...Becoming friable from 1.00m HVR at 1.00m = 45 kN/m ²
	1.20-3.10	Weakly bedded dark grey mottled orange, brown and grey, weathered MUDSTONE recovered as weak shaley medium to coarse gravel with clayey matrix.

Trial pit terminated at 3.10m.

ES=Environmental Sample, D=Disturbed Sample, HVR=Hand Vane Reading

Pictures:



Trial Pit 6: Internal view of excavation



Trial Pit 6: Overview of excavated soils



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TRIAL PIT LOG

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Date: 13/06/2019

Project No.: A0697/19

Client: Creative Developments (Hudds) Ltd

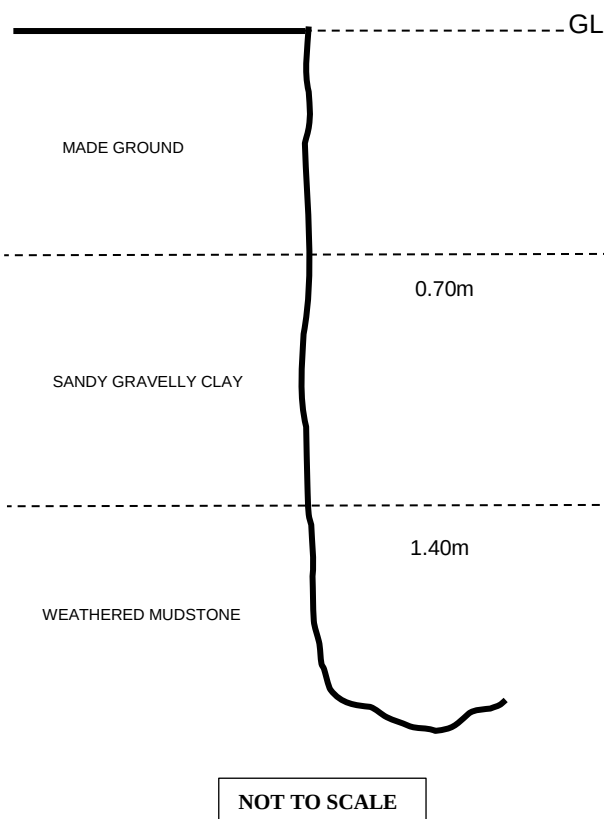
Hole Number: TP7

Logged By: J Sheridan

Total Depth: 2.80m

Remarks: No groundwater encountered

Schematic Profile:



Legend	Depth (m)	Description
	0.00-0.70	MADE GROUND: Dark brown sandy, gravelly, slightly cobbly CLAY with frequent roots. Gravel and cobbles of fine to coarse, subangular to angular of brick, concrete, wire, plastic, glass, metal fragments and clinker. ES at 0.50m
	0.70-1.40	Soft to firm, orange brown mottled grey, sandy, gravelly CLAY with roots. Gravel is fine to coarse, subangular to subrounded mudstone and sandstone. ...Becoming friable from 1.10m HVR at 0.80m = 70 kN/m ² HVR at 1.00m = 50 kN/m ²
	1.40-2.80	Weakly bedded dark grey mottled orange, brown and grey, weathered MUDSTONE recovered as weak shaley medium to coarse gravel with clayey matrix.

Trial pit terminated at 2.80m.

ES=Environmental Sample, D=Disturbed Sample, HVR=Hand Vane Reading

Pictures:



Trial Pit 7: Internal view of excavation



Trial Pit 7: Overview of excavated soils



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TRIAL PIT LOG

Client: Creative Developments (Hudds) Ltd

Remarks: No groundwater encountered.

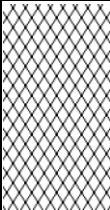
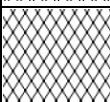
MADE GROUND

CONCRETE

0.25m

GL

NOT TO SCALE

Legend	Depth (m)	Description
	0.00-0.25	MADE GROUND: Dark brown sandy, gravelly, slightly cobbly CLAY with frequent roots. Gravel and cobbles of fine to coarse, subangular to angular of brick, concrete, wire, plastic, glass, metal fragments and clinker.
	0.25-	Concrete. Trial pit abandoned.

ES=Environmental Sample, D=Disturbed Sample, HVR=Hand Vane Reading



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TRIAL PIT LOG

Project Name: 120 Laund Road, Huddersfield

Date: 13/06/2019

Project No.: A0697/19

Client: Creative Developments (Hudds) Ltd

Hole Number: TP8

Logged By: J Sheridan

Total Depth: 2.90m

Remarks: No groundwater encountered

Schematic Profile:

	Legend	Depth (m)	Description
		0.00-0.40	MADE GROUND: Dark brown sandy, gravelly, cobbly CLAY with frequent roots. Gravel and cobbles of fine to coarse, subangular to angular of brick, concrete, wire, plastic, glass, metal fragments and clinker. ES at 0.30m
		0.40-1.20	Soft to firm, orange brown mottled grey, sandy, gravelly CLAY with roots. Gravel is fine to coarse, subangular to subrounded mudstone and sandstone.
		1.20-2.90	Weakly bedded dark grey mottled orange, brown and grey, weathered MUDSTONE recovered as weak shaley medium to coarse gravel with clayey matrix.

Trial pit terminated at 2.90m.

ES=Environmental Sample, D=Disturbed Sample, HVR=Hand Vane Reading

Pictures:



Trial Pit 8: Internal view of excavation



Trial Pit 8: Overview of excavated soils



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TRIAL PIT LOG

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Date: 13/06/2019

Project No.: A0697/19

Client: Creative Developments (Hudds) Ltd

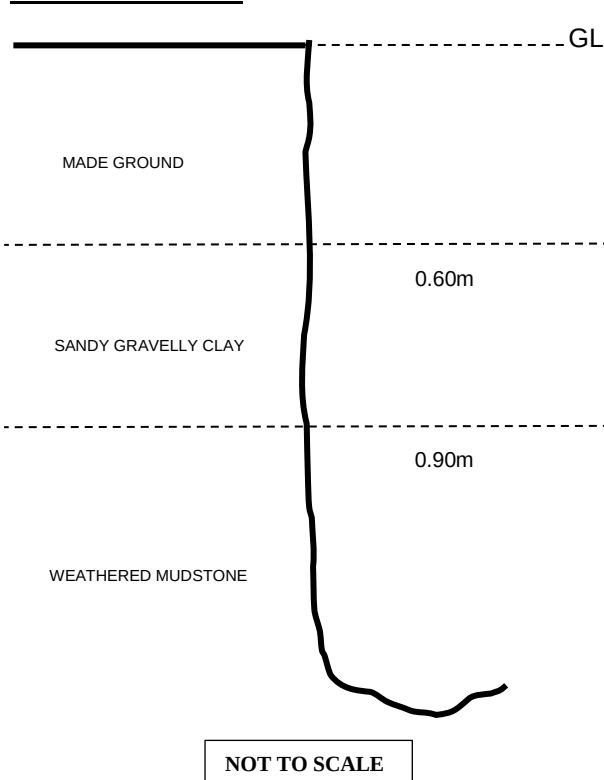
Hole Number: TP9

Logged By: J Sheridan

Total Depth: 2.80m

Remarks: No groundwater encountered

Schematic Profile:



Legend	Depth (m)	Description
	0.00-0.60	MADE GROUND: Dark brown sandy, gravelly, cobbly CLAY with frequent roots. Gravel and cobbles of fine to coarse, subangular to angular of brick, concrete, wire, plastic, glass, metal fragments and clinker.
	0.60-0.90	Soft to firm, orange brown mottled grey, sandy, gravelly CLAY with roots. Gravel is fine to coarse, subangular to subrounded mudstone and sandstone. HVR at 0.80m = 50 kN/m ²
	0.90-2.80	Weakly bedded dark grey mottled orange, brown and grey, weathered MUDSTONE recovered as weak shaley medium to coarse gravel with clayey matrix.

Trial pit terminated at 2.80m.

ES=Environmental Sample, D=Disturbed Sample, HVR=Hand Vane Reading

Pictures:



Trial Pit 8: Internal view of excavation



Trial Pit 8: Overview of excavated soils



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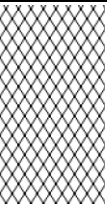
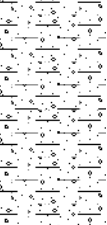
Hole Number: TP10

Logged By: J Sheridan

Total Depth: 2.80m

Remarks: No groundwater encountered

Schematic Profile:

Legend	Depth (m)	Description
	0.00-1.00	MADE GROUND: Dark brown sandy, gravelly, cobbly CLAY with frequent roots. Gravel and cobbles of fine to coarse, subangular to angular of brick, concrete, wire, plastic, glass, metal fragments and clinker.
	1.00-1.70	Soft to firm, orange brown mottled grey, sandy, gravelly CLAY with roots. Gravel is fine to coarse, subangular to subrounded mudstone and sandstone. ...Becoming friable from 1.40m HVR at 1.10m = 55 kN/m ² HVR at 1.40m = 60 kN/m ²
	1.70-2.80	Weakly bedded greyish brown mottled orange, weathered MUDSTONE recovered as weak shaley medium to coarse gravel with clayey matrix.

NOT TO SCALE

Trial pit terminated at 2.80m.

ES=Environmental Sample, D=Disturbed Sample, HVR=Hand Vane Reading

Pictures:



Trial Pit 8: Internal view of excavation



Trial Pit 8: Overview of excavated soils



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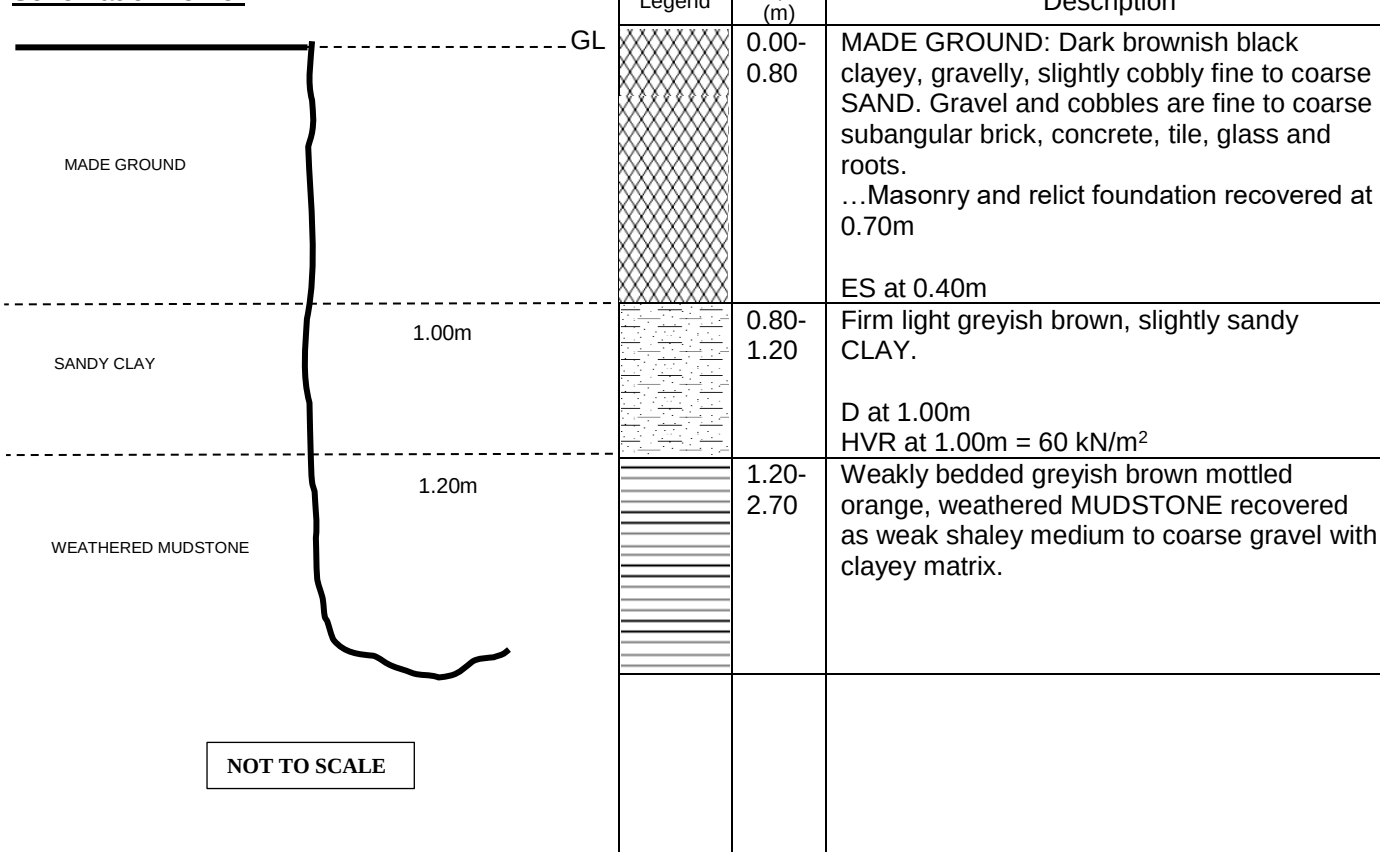
Hole Number: TP11

Logged By: J Sheridan

Total Depth: 2.70m

Remarks: No groundwater encountered

Schematic Profile:



Trial pit terminated at 2.70m.

ES=Environmental Sample, D=Disturbed Sample, HVR=Hand Vane Reading

Pictures:



Trial Pit 8: Internal view of excavation



Trial Pit 8: Overview of excavated soils



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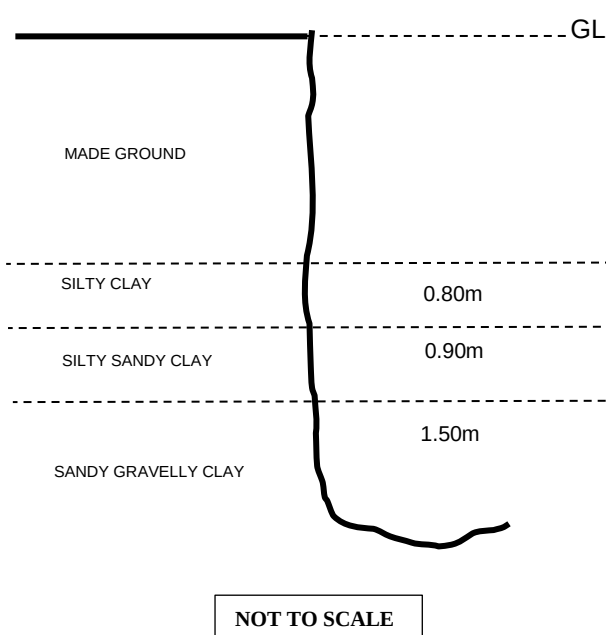
Hole Number: TP12

Logged By: J Sheridan

Total Depth: 1.50m

Remarks: Groundwater inflow from 0.80m

Schematic Profile:



Legend	Depth (m)	Description
	0.00-0.80	MADE GROUND: Dark brown sandy, gravelly, slightly cobbly CLAY. Gravel and cobbles of fine to coarse, subangular to angular of brick, concrete, wire, plastic, glass, metal fragments, domestic waste, litter and clinker. ...Moderate groundwater inflow from 0.80m.
	0.80-0.90	Light brown silty CLAY.
	0.90-1.00	Brown silty, slightly sandy CLAY.
	1.00-1.50	Soft to firm, orange brown mottled grey, sandy, gravelly CLAY with roots. Gravel is fine to coarse, subangular to subrounded mudstone and sandstone.

Trial pit terminated at 1.50m.

ES=Environmental Sample, D=Disturbed Sample, HVR=Hand Vane Reading

Pictures:



Trial Pit 12: Internal view of excavation



Trial Pit 12: Overview of excavated soils



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TRIAL PIT LOG

Project Name: 120 Laund Road, Huddersfield

Date: 14/06/2019

Project No.: A0697/19

Client: Creative Developments (Hudds) Ltd

Hole Number: TP13

Logged By: J Sheridan

Total Depth: 3.00m

Remarks: No groundwater encountered

Schematic Profile:

		Legend	Depth (m)	Description
MADE GROUND			0.00-0.10	MADE GROUND: Dark greyish black, clayey, gravelly, slightly cobbly fine to coarse SAND. Gravel and cobbles of fine to coarse, subangular to angular brick, concrete, sandstone, mudstone and glass.
MADE GROUND	0.10m		0.10-0.50	MADE GROUND: Orangish brown, gravelly fine to coarse SAND. Gravel is fine to medium, subangular to angular of sandstone.
SILTY SANDY CLAY	0.50m		0.50-1.10	Soft to firm greyish brown mottled orange, sandy, slightly gravelly CLAY. Gravel of fine to medium, subangular to subrounded sandstone and mudstone. ...Becoming friable from 0.90m HVR at 0.70m = 40 kN/m ²
WEATHERED MUDSTONE	1.10m		1.10-1.40	Weakly bedded greyish brown mottled orange, weathered MUDSTONE recovered as weak shaley medium to coarse gravel with clayey matrix.
COAL	1.40m		1.40-1.70	Soft dull COAL recovered as fine to coarse gravel with rare semi-bright lumps. D at 1.50m
MUDSTONE	1.70m		1.70-2.30	Weakly bedded light grey MUDSTONE recovered as weak shaley medium to coarse gravel with clayey matrix. D at 2.00m
WEATHERED SANDSTONE	2.30m		2.30-3.00	Yellow, thinly bedded, weathered SANDSTONE recovered as silty, sandy, fine to coarse gravel.

NOT TO SCALE

Trial pit terminated at 3.00m.

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Pictures:



Trial Pit 13: Internal view of excavation



Trial Pit 13: Overview of excavated soils



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TRIAL PIT LOG

Project Name: 120 Laund Road, Huddersfield

Date: 14/06/2019

Project No.: A0697/19

Client: Creative Developments (Hudds) Ltd

Hole Number: TP14

Logged By: J Sheridan

Total Depth: 3.00m

Remarks: Groundwater seepage at 1.50m with significant
sidewall collapse between 1.40m and 2.20m.
Suspected workings present. Trial pit extended.

Schematic Profile:

		Legend	Depth (m)	Description
MADE GROUND			0.00-0.15	MADE GROUND: Dark greyish black, clayey, gravelly fine to coarse SAND. Gravel of fine to coarse, subangular to angular brick, concrete, sandstone, mudstone and glass. ES at 0.30m
MADE GROUND	0.15m		0.15-0.20	MADE GROUND: Slightly cobbly, fine to coarse gravel of crushed red brick.
MADE GROUND	0.20m		0.20-0.40	MADE GROUND: Greyish brown, slightly sandy, slightly gravelly CLAY. Gravel of fine to coarse, subangular brick, concrete and glass.
SANDY GRAVELLY CLAY	0.40m		0.40-0.60	Soft to firm brown mottled orange, sandy, slightly gravelly CLAY. Gravel of fine to medium, subangular to subrounded sandstone and mudstone.
WEATHERED MUDSTONE	0.60m		0.60-1.30	Weakly bedded greyish brown mottled orange, weathered MUDSTONE recovered as weak shaley medium to coarse gravel with clayey matrix.
SUSPECTED BACKFILL	1.30m		1.30-1.80	SUSPECTED BACKFILL MATERIAL: Loose, wet, dark grey very clayey/silty fine to coarse, subangular GRAVEL of mudstone. ...Sidewalls collapsing from 1.40m
COAL	1.80m		1.80-2.10	Soft dull COAL (only present in one half of the pit/trench).
MUDSTONE	2.10m		2.10-2.60	Weakly bedded light grey MUDSTONE recovered as weak shaley medium to coarse gravel with clayey matrix.
WEATHERED SANDSTONE	2.60m		2.60-3.00	Yellow, thinly bedded, weathered SANDSTONE recovered as silty, sandy, fine to coarse gravel.

NOT TO SCALE

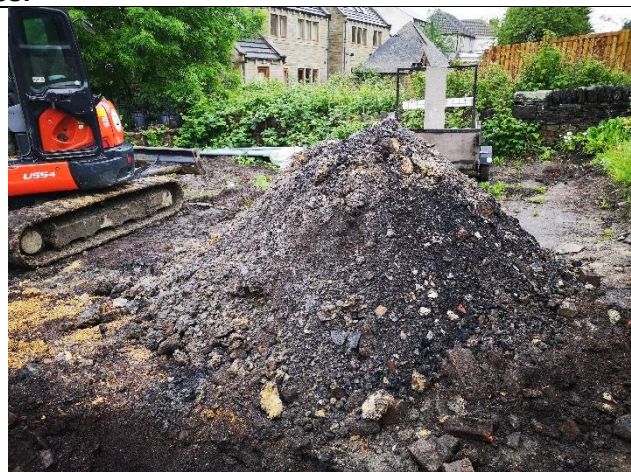
Trial pit terminated at 3.00m.

ES=Environmental Sample, D=Disturbed Sample, HVR=Hand Vane Reading

Pictures:



Trial Pit 14: Internal view of excavation



Trial Pit 14: Overview of excavated soils



EARTH ENVIRONMENTAL & GEOTECHNICAL
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TRIAL PIT LOG

Project Name: 120 Laund Road, Huddersfield

Date: 14/06/2019

Project No.: A0697/19

Client: Creative Developments (Hudds) Ltd

Hole Number: TP15

Logged By: J Sheridan

Total Depth: 2.70m

Remarks: Groundwater seepage from 2.30m with significant
sidewall collapse between 1.20m and 2.00m.
Suspected workings present. Trial pit extended.

Schematic Profile:

	Legend	Depth (m)	Description
MADE GROUND		0.00-0.50	MADE GROUND: Dark greyish black, clayey, gravelly fine to coarse SAND. Gravel of fine to coarse, subangular to angular brick, concrete, sandstone, mudstone and glass. ES at 0.30m
SANDY GRAVELLY CLAY		0.50-1.00	Soft to firm brown mottled orange, sandy, slightly gravelly CLAY. Gravel of fine to medium, subangular to subrounded sandstone and mudstone.
SUSPECTED BACKFILL		1.00-2.30	SUSPECTED BACKFILL MATERIAL: Loose, wet, dark grey very clayey/silty fine to coarse, subangular GRAVEL of mudstone. ...Sidewalls collapsing from 1.20m ES at 1.20m
WEATHERED SANDSTONE		2.30-2.70	Yellow, thinly bedded, weathered SANDSTONE recovered as silty, sandy, fine to coarse gravel.
NOT TO SCALE			

Trial pit terminated at 2.70m.

ES=Environmental Sample, D=Disturbed Sample, HVR=Hand Vane Reading

Pictures:



Trial Pit 15: Internal view of excavation



Trial Pit 15: Overview of excavated soils

 Houldsworth Mill Business & Arts Centre Houldsworth Street Stockport SK5 6DA		Borehole Log			Borehole No. WS1 Sheet 1 of 1	
Project Name: 120 Laund Road		Project No. A0697		Co-ords: -		Hole Type WS
Location: Huddersfield		Level:		Scale 1:20		
Client: Creative Developments (Huddersfield) Ltd		Dates: 14/06/2019 - 14/06/2019		Logged By JS		

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.40	ES				TOPSOIL: Grass over brown sandy, slightly gravelly CLAY with frequent roots. Gravel is fine to medium, subangular to subrounded of sandstone and mudstone. Rare brick and tile inclusions.		
		0.70 - 1.00	U		0.70		Firm greyish brown mottled orange, sandy, slightly gravelly CLAY. Gravel of fine to medium, subangular to subrounded sandstone and mudstone.	1	
		1.20		N=10 (2,1/2,3,2,3)	1.30		... <i>Becoming friable at 1.1m.</i>		
		2.00		N=50 (10,10/50 for 255mm)	2.00		Weakly bedded greyish brown weathered MUDSTONE, recovered as weak shaley fine to coarse gravel with clayey matrix.	2	
							End of borehole at 2.00 m	3	
								4	

Remarks 1. Borehole scanned with CAT. 2. No groundwater encountered. 3. Backfilled on completion.		
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 Houldsworth Mill Business & Arts Centre Houldsworth Street Stockport SK5 6DA				Borehole Log				Borehole No. WS2 Sheet 1 of 1	
Project Name: 120 Laund Road				Project No. A0697		Co-ords: -		Hole Type WS	
Location: Huddersfield				Level:		Scale 1:20			
Client: Creative Developments (Huddersfield) Ltd				Dates: 14/06/2019 - 14/06/2019		Logged By JS			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
			D		0.60		MADE GROUND: Soft brown, slightly sandy, slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone and occasional brick, concrete and glass fragments.	1	
		1.20 1.20		N=29 (5,6/6,7,6,10)	1.30		Firm greyish brown mottled orange, sandy, slightly gravelly CLAY. Gravel of fine to medium, subangular to subrounded sandstone and mudstone. ...Becoming friable at 1.0m.		
		2.00		50 (11,13/50 for 210mm)	2.00		Weakly bedded greyish brown weathered MUDSTONE, recovered as weak shaley fine to coarse gravel with clayey matrix.		
							End of borehole at 2.00 m	2	
								3	
								4	
Remarks 1. Borehole scanned with CAT. 2. No groundwater encountered. 3. Backfilled on completion.									

 Houldsworth Mill Business & Arts Centre Houldsworth Street Stockport SK5 6DA				Borehole Log				Borehole No. WS3 Sheet 1 of 1	
Project Name: 120 Laundry Road				Project No. A0697		Co-ords: -		Hole Type WS	
Location: Huddersfield				Level:		Scale 1:20			
Client: Creative Developments (Huddersfield) Ltd				Dates: 14/06/2019 - 14/06/2019		Logged By JS			

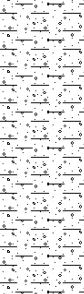
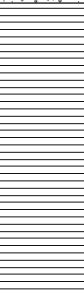
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.80			TOPSOIL: Grass over brown sandy, slightly gravelly CLAY with frequent roots. Gravel of fine to medium, subangular to subrounded sandstone and mudstone, with rare brick and tile inclusions.	1
		1.20		N=13 (1,1/3,3,3,4)	1.20		Firm greyish brown mottled orange, sandy, slightly gravelly CLAY. Gravel of fine to medium, subangular to subrounded sandstone and mudstone.		
		2.00		N=32 (7,7/7,8,8,9)			Weakly bedded greyish brown weathered MUDSTONE, recovered as weak shaley fine to coarse gravel with clayey matrix.	2	
		3.00		N=50 (12,12/50 for 245mm)	3.00		End of borehole at 3.00 m	3	
								4	

Remarks

- 1. Borehole scanned with CAT.
- 2. No groundwater encountered.
- 3. Backfilled on completion.

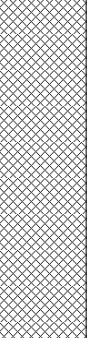
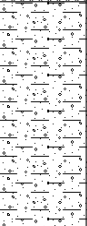
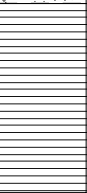


 Houldsworth Mill Business & Arts Centre Houldsworth Street Stockport SK5 6DA				Borehole Log				Borehole No. WS4 Sheet 1 of 1	
Project Name: 120 Laund Road				Project No. A0697		Co-ords: -		Hole Type WS	
Location: Huddersfield				Level:		Scale 1:20			
Client: Creative Developments (Huddersfield) Ltd				Dates: 14/06/2019 - 14/06/2019		Logged By JS			

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25			MADE GROUND: Dark brown, sandy, slightly gravelly, slightly cobbly CLAY. Gravel and cobbles of fine to coarse, subangular brick and concrete.	1
					0.40			MADE GROUND: Yellow gravelly fine to coarse SAND. Gravel of fine to coarse subangular sandstone and limestone.	
		1.20		N=27 (5,6/6,5,7,9)	1.20			Soft to firm brown mottled orange, sandy, slightly gravelly CLAY. Gravel of fine to medium, subangular to subrounded sandstone and mudstone.	
								Weakly bedded light grey weathered MUDSTONE, recovered as weak shaley medium to coarse gravel with clayey matrix.	
								...Becoming orange mottled from 1.5m.	
		2.00		50 (25 for 135mm/50 for 215mm)	2.00			End of borehole at 2.00 m	2
									3
									4

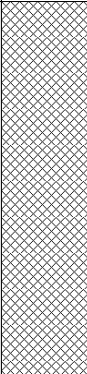
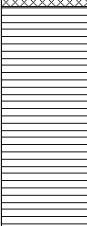
Remarks 1. Borehole scanned with CAT. 2. No groundwater encountered. 3. Backfilled on completion.								
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 Houldsworth Mill Business & Arts Centre Houldsworth Street Stockport SK5 6DA		Borehole Log			Borehole No. WS5 Sheet 1 of 1	
Project Name: 120 Laund Road		Project No. A0697		Co-ords: -		Hole Type WS
Location: Huddersfield		Level:		Scale 1:20		
Client: Creative Developments (Huddersfield) Ltd		Dates: 14/06/2019 - 14/06/2019		Logged By JS		

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.90		 MADE GROUND: Soft greyish brown sandy, gravelly CLAY. Gravel of fine to coarse, subangular to angular mudstone, sandstone, clinker, brick and concrete fragments.		
		1.20		N=38 (7,7/9,9,9,11)			 Soft to firm brown mottled orange, sandy, slightly gravelly CLAY. Gravel of fine to medium, subangular to subrounded sandstone and mudstone. <i>...Becoming friable at 1.2m.</i>	1	
		1.80	D				 Weakly bedded grey weathered MUDSTONE, recovered as weak shaley medium to coarse gravel with clayey matrix.		
		2.00		N=50 (11,11/50 for 285mm)	2.00		End of borehole at 2.00 m	2	
								3	
								4	

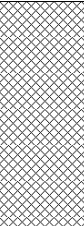
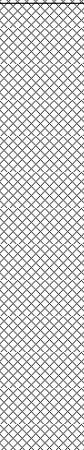
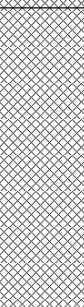
Remarks 1. Borehole scanned with CAT. 2. Perched groundwater encountered at 1.2m. 3. Backfilled on completion.		
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 Houldsworth Mill Business & Arts Centre Houldsworth Street Stockport SK5 6DA				Borehole Log				Borehole No. WS6 Sheet 1 of 1	
Project Name: 120 Laund Road				Project No. A0697		Co-ords: -		Hole Type WS	
Location: Huddersfield				Level:		Scale 1:20			
Client: Creative Developments (Huddersfield) Ltd				Dates: 14/06/2019 - 14/06/2019		Logged By JS			

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.50	ES	N=26 (1,1/5,5,6,10)	1.00		MADE GROUND: Dark grey/black, sandy, slightly gravelly CLAY with frequent intact brick cobbles. Gravel of fine to coarse, angular to subangular brick, concrete, coal and clinker fragments. ...Flush brick wall encountered along southern edge of hand dug pit. Possible relict foundation wall.	1	
		1.20					Weakly bedded dark grey mottled orange weathered MUDSTONE, recovered as weak shaley medium to coarse gravel with clayey matrix.		
		1.50	D				1.60		COAL. Dull with rare lustrous lumps.
		2.00		N=50 (9,10/50 for 285mm)	2.00		Weakly bedded dark grey mottled orange MUDSTONE, recovered as weak shaley medium to coarse gravel.	2	
End of borehole at 2.00 m									2
									3
									4

Remarks 1. Borehole scanned with CAT. 2. No groundwater encountered. 3. Backfilled on completion.								
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 Houldsworth Mill Business & Arts Centre Houldsworth Street Stockport SK5 6DA				Borehole Log				Borehole No. WS7 Sheet 1 of 1	
Project Name: 120 Laund Road				Project No. A0697		Co-ords: -		Hole Type WS	
Location: Huddersfield				Level:		Scale 1:20			
Client: Creative Developments (Huddersfield) Ltd				Dates: 14/06/2019 - 14/06/2019		Logged By JS			

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.60		 MADE GROUND: Dark grey/black, sandy, slightly gravelly CLAY with frequent intact brick cobbles. Gravel of fine to coarse, angular to subangular brick, concrete, coal and clinker fragments.		
		1.20		N=3 (1,0/1,0,1,1)		 MADE GROUND/REWORKED: Soft to firm, dark grey/black gravelly CLAY with occasional orange mottling. Gravel of fine to coarse, angular to subangular mudstone and rare brick fragments in upper 1.0m. HV: 30kN/m2.			
		2.00		N=3 (0,0/0,1,0,2)	1.80	 SUSPECTED BACKFILL MATERIAL: Loose, wet dark grey/black clayey shaley GRAVEL of fine to medium angular to subangular mudstone.			
		2.80		50 (25 for 75mm/50 for 80mm)	2.60 2.80	 Yellow weathered SANDSTONE. Recovered as silty, sandy, fine to coarse subangular gravel.			
End of borehole at 2.80 m									

Remarks 1. Borehole scanned with CAT. 2. Perched groundwater encountered at 2.0m. 3. Backfilled on completion.		
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 Houldsworth Mill Business & Arts Centre Houldsworth Street Stockport SK5 6DA				Rotary Open Hole Log				Borehole No. R01 Sheet 1 of 2	
Project Name: 120 Laund Road				Project No. A0697		Co-ords: -		Hole Type RO	
Location: Huddersfield				Level:		Scale 1:100		Logged By JS	
Client: Creative Developments (Huddersfield) Ltd				Dates: 12/06/2019 - 12/06/2019					

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							0.20			TOPSOIL.	
							1.00			Weathered SANDSTONE with clay partings.	1
										Dark grey/black MUDSTONE	2
											3
							3.60			Grey SILTSTONE.	4
											5
							6.80			Black dark grey SILTSTONE with coal traces.	7
							8.40				8
							8.60			COAL. <i>Coal intact no loss of flush or voids.</i>	9
										Greyish brown SANDSTONE.	10
											11
											12
											13
							14.60			Strong grey SANDSTONE.	15
											16
										17	
										18	
										19	
										20	

Continued on next sheet

Remarks 1. Borehole scanned with CAT 2. Infilled with grout on completion.		
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 Houldsworth Mill Business & Arts Centre Houldsworth Street Stockport SK5 6DA				Rotary Open Hole Log				Borehole No. R02	
Project Name: 120 Laund Road				Project No. A0697		Co-ords: -		Sheet 1 of 2 Hole Type RO	
Location: Huddersfield				Level:		Scale 1:100			
Client: Creative Developments (Huddersfield) Ltd				Dates: 12/06/2019 - 12/06/2019		Logged By JS			

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							0.20			Topsoil	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
							1.20			Weathered SANDSTONE with clay bands/partings.	
										Dark grey/black MUDSTONE.	
							6.00			Black SILTSTONE with coal traces.	
							7.20			COAL.	
							7.60			Coal intact no loss of flush or voids.	
							8.00			Grey SILTSTONE.	
										Greyish brown SANDSTONE.	
										Strong grey SANDSTONE.	
							13.10			Loss of flush at 29.0m. Hard drilling and no voids. Inferred fractured sandstone.	
Continued on next sheet											

Remarks

1. Borehole scanned with CAT
 2. Infilled with grout on completion.



