

Earth Environmental & Geotechnical

Borehole No.



Houldsworth Mill Business Centre
Houldsworth Street
Stockport
SK5 6DA
Tel 0161 9756088

BOREHOLE RECORD – ROTARY OPEN HOLE DRILLING

RH101

Sheet 1 of 4

www.earthenvironmental.co.uk

Contract No:	A1484/17	Drilling Method:	Rotary Open Holing	Co-ordinates:	N53 19.29 W1 59.19
Contract Name:	Reservoir Road, Whaley Bridge	Rig Type	Commachio Geo205	Ground Level:	
Client:	MP Construction Ltd	Borehole Diameter:	85mm	Date Started:	29/7/2017
				Date Completed:	29/7/2017

Description of Strata	Depth (m)	Sampling	Legend	U100 / N Value Field / Lab. Testing
Brown very silty CLAY with gravel	1.0			
	2.0			
	3.0			
	4.0			
Grey sandy CLAY with numerous boulders	4.80			
	5.00			
	6.00			
	7.00			
	8.00			
	9.00			
	10.0			

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Client:	MP Construction Ltd		Geo205	Date Started:	29/7/2017
		Borehole Diameter:	85mm	Date Completed:	29/7/2017

Description of Strata	Depth (m)	Sampling	Legend	U100 / N Value Field / Lab. Testing
	10.80			
Grey sand gravel with numerous boulders	11.00			
	12.00			
	13.00			
	13.20			
Grey MUDSTONE	14.00			
	14.30			
Grey SANDSTONE	14.80			
	15.00			
	16.00			
Grey MUDSTONE with sandstone bands	17.00			
	17.60			
	18.00			
Dark grey MUDSTONE	19.00			
	19.90			
	20.00			

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Client:	MP Construction Ltd		Geo205	Date Started:	29/7/2017
		Borehole Diameter:	85mm	Date Completed:	29/7/2017

Description of Strata	Depth (m)	Sampling	Legend	U100 / N Value Field / Lab. Testing
Grey MUDSTONE	21.00			
	22.00			
	23.00			
	24.00			
	25.00			

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Contract Name:	Reservoir Road, Whaley Bridge	Rig Type	Commachio	Ground Level:	
Client:	MP Construction Ltd		Geo205	Date Started:	29/7/2017
		Borehole Diameter:	85mm	Date Completed:	29/7/2017

Key:	Bulk (Bulk Bag)	D. Disturbed	V. 40ml Glass Vial
	W. Water	G. Amber Glass Jar / Bottle	T. Plastic Tub
	S. Standard Penetration Test	C. Cone Penetration Test	N. 'N' value
	U. U100 Undisturbed	U100. Blows (Recovery mm)	HP. Hand Penetrometer
	PID. Photo Ionisation Detector (ppm)		N/D. None Detected

Water Level Observations During Boring					Seepage Rate	Depth Sealed	Daily Log of water levels		
Depth Observed	after 5 mins	after 10 mins	after 15 mins	after 20 mins			Date / Time	Water Level	Depth of Casing
Borehole Dry					-				

Installation	Upon completion borehole infilled with arisings and bentonite.
Services:	Prior to boring, the borehole location was scanned with a Cable Avoidance Tool (CAT).
Addition of water:	Water Flush Used
Chiselling:	N/A

N/R - Not Required	N/A - Not Applicable	Logged By:	AKC
All depths in metres below ground level; all diameters in millimetres		Approved By:	EC

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Contract No:	A1484/17	Drilling Method:	Rotary Open Holing	Co-ordinates:	N53 19.39 W1 59.16
Contract Name:	Reservoir Road, Whaley Bridge	Rig Type	Commachio	Ground Level:	
Client:	MP Construction Ltd		Geo205	Date Started:	29/7/2017
		Borehole Diameter:	85mm	Date Completed:	29/7/2017

Description of Strata	Depth (m)	Sampling	Legend	U100 / N Value Field / Lab. Testing
Silty sand and gravel	1.0			
	2.0			
	3.0			
	4.0			
Grey sandy CLAY with numerous boulders	4.20			
	5.00			
	6.00			
	7.00			
	8.00			
	9.00			
	10.0			

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Contract Name:	Reservoir Road, Whaley Bridge	Rig Type	Commachio	Ground Level:	
Client:	MP Construction Ltd		Geo205	Date Started:	29/7/2017
		Borehole Diameter:	85mm	Date Completed:	29/7/2017

Description of Strata	Depth (m)	Sampling	Legend	U100 / N Value Field / Lab. Testing
Grey sand gravel with numerous boulders	10.16			
	11.00			
	12.00			
	13.00			
Grey MUDSTONE with sandstone bands	13.20			
	14.00			
	15.00			
	16.00			
	16.20			
Grey MUDSTONE	17.00			
COAL	17.10			
Grey MUDSTONE	18.00			
	19.00			
	20.00			

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Client:	MP Construction Ltd		Geo205	Date Started:	29/7/2017
		Borehole Diameter:	85mm	Date Completed:	29/7/2017

Key:	Bulk (Bulk Bag)	D. Disturbed	V. 40ml Glass Vial
	W. Water	G. Amber Glass Jar / Bottle	T. Plastic Tub
	S. Standard Penetration Test	C. Cone Penetration Test	N. 'N' value
	U. U100 Undisturbed	U100. Blows (Recovery mm)	HP. Hand Penetrometer
	PID. Photo Ionisation Detector (ppm)		N/D. None Detected

Water Level Observations During Boring					Seepage Rate	Depth Sealed	Daily Log of water levels		
Depth Observed	after 5 mins	after 10 mins	after 15 mins	after 20 mins			Date / Time	Water Level	Depth of Casing
Borehole Dry					-				

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Client:	MP Construction Ltd		Geo205	Date Started:	29/7/2017
		Borehole Diameter:	85mm	Date Completed:	29/7/2017

Description of Strata	Depth (m)	Sampling	Legend	U100 / N Value Field / Lab. Testing
Silty sand and gravel	1.0			
	2.0			
Grey sandy CLAY with numerous boulders	3.0			
	4.0			
	5.00			
	6.00			
	7.00			
	8.00			
	9.00			
	10.0			

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Client:	MP Construction Ltd		Geo205	Date Started:	29/7/2017
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Description of Strata	Depth (m)	Sampling	Legend	U100 / N Value Field / Lab. Testing
	11.00			
	11.20			
Grey sand gravel with numerous boulders	12.00			
	13.00			
	14.00			
	14.20			
Grey brown SANDSTONE with thin mudstone bands	15.00			
	16.00			
	16.30			
Grey MUDSTONE	17.00			
	18.00			
	19.00			
	20.00			

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Client:	MP Construction Ltd		Geo205	Date Started:	29/7/2017
		Borehole Diameter:	85mm	Date Completed:	29/7/2017

Key:	Bulk (Bulk Bag)	D. Disturbed	V. 40ml Glass Vial
	W. Water	G. Amber Glass Jar / Bottle	T. Plastic Tub
	S. Standard Penetration Test	C. Cone Penetration Test	N. 'N' value
	U. U100 Undisturbed	U100. Blows (Recovery mm)	HP. Hand Penetrometer
	PID. Photo Ionisation Detector (ppm)		N/D. None Detected

Water Level Observations During Boring					Seepage Rate	Depth Sealed	Daily Log of water levels		
Depth Observed	after 5 mins	after 10 mins	after 15 mins	after 20 mins			Date / Time	Water Level	Depth of Casing
Borehole Dry					-				

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		Borehole Diameter:	85mm	Date Completed:	29/7/2017

Description of Strata	Depth (m)	Sampling	Legend	U100 / N Value Field / Lab. Testing
Silty sand and gravel	1.0			
	2.0			
Grey sandy CLAY with numerous boulders	3.0			
	4.0			
	5.00			
	6.00			
Grey CLAY with boulders	7.00			
	8.00			
	9.00			
	9.80			
	10.0			

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Description of Strata	Depth (m)	Sampling	Legend	U100 / N Value Field / Lab. Testing
Sand and gravel with boulders	11.00 11.20			
	12.00 12.20			
Grey MUDSTONE	13.00			
Grey MUDSTONE with coal traces	13.60			
Grey SANDSTONE with mudstone bands	14.00 14.10			
	15.00			
	16.00 16.30			
Grey MUDSTONE	17.00			
	18.00			
	18.80 19.00			
Grey SANDSTONE with mudstone bands	20.00			

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