BOREHOLE RECORD - ROTARY OPEN

HOLE DRILLING

Borehole No.







Earth Environmental

Houldsworth Mill Business Centre Houldsworth Street Stockport

www.earthenvironmental.co.uk

Contract No:

Client:

Contract Name:

Tel 0161 9756088

A1484/17

Reservoir Road, Whaley

Bridge

MP Construction Ltd

Drilling Method:

Rig Type

Rotary Open Holing

Commachio

Geo205

Co-ordinates:

N53 19.29 W1 59.19

Ground Level:

Date Started: 29/7/2017

Client: MP Construction Ltd	Borehole Diameter:	85mm	Date	Started: 29/7/2017 Completed: 29/7/2017
Description of Strata	Depth (m)	Sampling	Legend	U100 / N Value Field / Lab. Testing
	1.0			
Brown very silty CLAY with gravel	2.0			
	3.0			
	4.0			
	4.80 5.00			
Grey sandy CLAY with numerous boulders	6.00			
	7.00			
	8.00			
	9.00			
	10.0			

Borehole No.





Earth Environmental

Houldsworth Mill Business Centre

Houldsworth Street Stockport Tel 0161 9756088

Contract No:

Client:

Contract Name:

BOREHOLE RECORD - ROTARY OPEN HOLE DRILLING

www.earthenvironmental.co.uk

A1484/17

Bridge

Reservoir Road, Whaley

MP Construction Ltd

Drilling Method: Co-ordinates: N53 19.29 W1 59.19 Rotary Open Holing

Ground Level:

Commachio Rig Type Geo205 Date Started: 29/7/2017 Borehole

Date Completed: 29/7/2017

	Diameter:	85mm		25/1/2017
Description of Strata	Depth (m)	Sampling	Legend	U100 / N Value Field / Lab. Testing
Grey sand gravel with numerous boulders	10.80			
	12.00			
Com MUDETONE	13.00			
Grey MUDSTONE	14.00			
Grey SANDSTONE	14.30			
	14.80 15.00			
Grey MUDSTONE with sandstone bands	16.00			
	17.00			
	17.60			
	18.00			
Dark grey MUDSTONE	19.00			
	19.90 20.00			

Borehole No.





Earth Environmental

Houldsworth Mill Business Centre

Houldsworth Street

Contract No:

BOREHOLE RECORD – ROTARY OPEN HOLE DRILLING

Stockport SK5 6DA Tel 0161 9756088

www.earthenvironmental.co.uk

A1484/17

Drilling Method:

Rotary Open Holing

Co-ordinates:

N53 19.29 W1 59.19

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

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

Borehole No.





Earth Environmental

Houldsworth Mill Business Centre

BOREHOLE RECORD – ROTARY OPEN HOLE DRILLING

Stockport Tel 0161 9756088

Houldsworth Street

Contract No: **Contract Name:**

www.earthenvironmental.co.uk

A1484/17

Reservoir Road, Whaley

Drilling Method: Rotary Open Holing Co-ordinates: N53 19.29 W1 59.19

Ground Level:

N/D. None Detected

Commachio Bridge Rig Type MP Construction Ltd Geo205 29/7/2017 Client: **Date Started:** Borehole

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

Bulk (Bulk Bag) D. Disturbed V. 40ml Glass Vial Key: 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

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

Installation Upon completion borehole infilled with arisings and bentonite.

PID. Photo Ionisation Detector (ppm)

Prior to boring, the borehole location was scanned with a Cable Avoidance Tool (CAT). Services:

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

Borehole No.







Earth Environmental

Houldsworth Mill Business Centre

Houldsworth Street

BOREHOLE RECORD – ROTARY OPEN HOLE DRILLING

Stockport SK5 6DA Tel 0161 9756088 www.earthenvironmental.co.uk

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

	Diameter:	85mm		
Description of Strata	Depth (m)	Sampling	Legend	U100 / N Value Field / Lab. Testing
	1.0			
Silty sand and gravel	2.0			
	3.0			
	4.0 4.20 5.00			
Grey sandy CLAY with numerous boulders	6.00			
	7.00			
	8.00			
	9.00			

Borehole No.





Earth Environmental

Houldsworth Mill Business Centre

Houldsworth Street Stockport Tel 0161 9756088

Contract Name:

Client:

BOREHOLE RECORD - ROTARY OPEN HOLE DRILLING

www.earthenvironmental.co.uk

A1484/17 Contract No:

Reservoir Road, Whaley Bridge

MP Construction Ltd

Drilling Method:

Rig Type

Rotary Open Holing

Commachio

Geo205

Co-ordinates:

N53 19.29 W1 59.19

Ground Level:

Date Started: 29/7/2017 29/7/2017

Client: MP Construction Ltd	Borehole Diameter:	85mm	Date S	Completed: 29/7/2017
Description of Strata	Depth (m)	Sampling	Legend	U100 / N Value Field / Lab. Testing
	10.16			
Grey sand gravel with numerous boulders	11.00			
	12.00			
Grey MUDSTONE with sandstone bands	13.00			
	14.00			
	15.00			
	16.00			
Grey MUDSTONE COAL	17.00			
Grey MUDSTONE	18.00			
	19.00			
	20.00			

HOLE DRILLING

Borehole No.



RH102

Sheet 3 of 3

N53 19.29 W1 59.19

29/7/2017

29/7/2017

Level

Date Completed:

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

www.earthenvironmental.co.uk

Client:

Observed

A1484/17 **Drilling Method:** Contract No: Rotary Open Holing **Co-ordinates: Contract Name:**

Reservoir Road, Whaley **Ground Level:** Commachio

Bridge Rig Type MP Construction Ltd Geo205 **Date Started:**

Borehole

Diameter: 85mm

Bulk (Bulk Bag) D. Disturbed V. 40ml Glass Vial Key: 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 Depth Daily Log of water levels after 20 Rate Sealed Date / Time Water Depth of Casing Depth after 5 after 10 after 15

Installation Upon completion borehole infilled with arisings and bentonite.

mins

Prior to boring, the borehole location was scanned with a Cable Avoidance Tool (CAT). Services:

mins

Addition of water: Water Flush Used

mins

Borehole Dry

mins

Chiselling:

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

BOREHOLE RECORD – ROTARY OPEN

HOLE DRILLING

Borehole No.





Earth Environmental

Houldsworth Mill Business Centre Houldsworth Street Stockport

Tel 0161 9756088

www.earthenvironmental.co.uk

Contract No:

Client:

Contract Name:

A1484/17

Reservoir Road, Whaley

Bridge

MP Construction Ltd

Drilling Method:

Rig Type

Borehole

Rotary Open Holing

Commachio

Geo205

Co-ordinates:

N53 19.39 W1 59.17

Ground Level:

Date Started: 29/7/2017

Date Completed: 29/7/2017

Diameter: 85mm						
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					

BOREHOLE RECORD – ROTARY OPEN

Borehole No.





Earth Environmental

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

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			Ground Level:	
	Bridge	Rig Type	Commachio		
Client:	MP Construction Ltd		Geo205	Date Started:	29/7/2017
		Borehole		Date Completed:	29/7/2017
		Diameter:	85mm		

	iameter:	85mm		
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			
Grey brown SANDSTONE with thin mudstone bands	14.00 14.20			
Citey brown SANDSTONE with thin industone bands	15.00			
	16.00 16.30			
Grey MUDSTONE	17.00			
	18.00			
	19.00			
	20.00			

Borehole No.





BOREHOLE RECORD – ROTARY OPEN HOLE DRILLING

Sheet 3 of 3

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

www.earthenvironmental.co.uk

Contract No:A1484/17Drilling Method:Rotary Open HolingCo-ordinates:N53 19.29 W1 59.19Contract Name:Reservoir Road, WhaleyGround Level:

Bridge Rig Type Commachio

 Client:
 MP Construction Ltd
 Geo205
 Date Started:
 29/7/2017

 Borehole
 Date Completed:
 29/7/2017

Diameter: 85mm

Key: Bulk (Bulk Bag) D. Disturbed V. 40ml Glass Vial
W. Water G. Amber Glass Jar / Bottle
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) HP. Hond Penetrometer

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

BOREHOLE RECORD – ROTARY OPEN

HOLE DRILLING

Borehole No.







Earth Environmental

Houldsworth Mill Business Centre Houldsworth Street Stockport

www.earthenvironmental.co.uk

Contract No:

Client:

Contract Name:

Tel 0161 9756088

A1484/17

Reservoir Road, Whaley

Bridge

MP Construction Ltd

Drilling Method:

Rig Type

Borehole

Rotary Open Holing

Commachio

Geo205

Co-ordinates:

N53 19.39 W1 59.19

Ground Level:

Date Started: 29/7/2017

29/7/2017 **Date Completed:**

	Borehole Diameter:	85mm		ate 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			
Grey CLAY with boulders	8.00			
	9.00			
	9.80			

Borehole No.



Earth Environmental

Houldsworth Mill Business Centre

Houldsworth Street Stockport Tel 0161 9756088

Contract No:

Contract Name:

BOREHOLE RECORD - ROTARY OPEN HOLE DRILLING

www.earthenvironmental.co.uk

A1484/17

Reservoir Road, Whaley

Drilling Method: Co-ordinates: N53 19.29 W1 59.19 Rotary Open Holing

Ground Level:

Commachio Bridge Rig Type Geo205 Client: MP Construction Ltd Date Started: 29/7/2017 Borehole

29/7/2017 **Date Completed:**

	Borehole Diameter:	85mm	Date (Completed: 29/1/2017
Description of Strata	Depth (m)	Sampling	Legend	U100 / N Value Field / Lab. Testing
Sand and gravel with boulders	11.00 11.20			
	12.00			
Grey MUDSTONE	13.00			
Grey MUDSTONE with coal traces	13.60			
Grey SANDSTONE with mudstone bands	14.00 14.10			
	15.00			
Grey MUDSTONE	16.00 16.30			
	17.00			
	18.00			
Grey SANDSTONE with mudstone bands	18.80 19.00			
	20.00			

Borehole No.





BOREHOLE RECORD – ROTARY OPEN HOLE DRILLING

Sheet 3 of 3

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

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 Ground Level:

Bridge Rig Type Commachio

 Client:
 MP Construction Ltd
 Geo205
 Date Started:
 29/7/2017

 Borehole
 Date Completed:
 29/7/2017

Diameter: 85mm

Key: Bulk (Bulk Bag) D. Disturbed V. 40ml Glass Vial
W. Water G. Amber Glass Jar / Bottle
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) HP. None Detected

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