



TEST REPORT

Client One Manchester Ltd

Address Lovell House
Archway 6
Hulme
Manchester
M15 5RN

Contract Norfolk Avenue, Gorton

Job Number MRN 4270
Date of Issue 29 June 2021
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Approved Signatories

S J Hutchings, O P Davies

Notes

- 1 All remaining samples and remnants from this contract will be disposed 28 days from the date of this report unless you notify us to the contrary.
- 2 Result certificates, in this report, not bearing a UKAS mark, are not included in our UKAS accreditation schedule.
- 3 Opinions and interpretations expressed herein are outside the scope of our UKAS accreditation.
- 4 Certified that the samples have been examined and tested in accordance with the terms of the contract/order and unless otherwise stated conform to the standards/specifications quoted.
- 5 The results included within the report are representative of the samples submitted for analysis.
- 6 This certificate should not be reproduced, except in full, without the express permission of the laboratory.



Andrew House, Hadfield Street, Dukinfield, Cheshire SK16 4QX Tel: 0161 475 0870
Email: enquiries@murrayrix.com Website: www.murrayrix.com

Also at: London: 020 8523 1999

Murray Rix is the trading name of Murray Rix (Northern) Limited. Registered in England 2878361

BOREHOLE LOG - MURRAY RIX GEOTECHNICAL							HOLE NO. 1	
							Sheet 1 of 1	
CLIENT One Manchester Ltd					SITE Norfolk Avenue, Gorton			
DATE OF FIELDWORK 02/08/21 - 02/08/21			SCALE 1:50	LEVEL/POSITION 1		OPERATOR PA/SA	LOGGED BY PA	JOB NO. MRN 4270
SAMPLE DEPTH	RECORD TYPE	SPT N (Cu-kN/m ²)	Standp/ Piezo	DESCRIPTION OF STRATUM (thickness)			DEPTH	LEGEND
				Grass over TOPSOIL (0.15)			0.15	
0.50	D			MADE GROUND dark brown soil fill with occasional brick fragments (0.45)			0.60	
1.00	D	(85)		Firm orange brown silty very sandy CLAY (1.10)				
1.50	D							
2.00	D			Medium dense orange brown fine to medium SAND (0.40)			1.70	
2.50	D			Medium dense wet orange brown fine to medium SAND (1.40)			2.10	
3.00	D							
3.50	D							
4.00	D			Stiff red brown mottled silty CLAY (2.50)			3.50	
4.50	D							
5.00	D							
5.50	D							
6.00	D							
				Borehole terminated at the required depth.			6.00	

GROUNDWATER AND CASING INFORMATION						BORING METHOD AND REMARKS	
DEPTH STRUCK	DEPTH CASED	ELAPSED TIME	WATER LEVEL	DEPTH SEALED	REMARKS ON GROUNDWATER AND CASING	Limited access continuous flight auger rig. Drillers Log	
2.10	N/A	N/A	N/A	N/A	Final water level = 1.7m		

All dimensions are in metres unless otherwise stated

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

TEST CERTIFICATE

VARIBLE HEAD (FALLING HEAD) PERMEABILITY
BS 5930:2015 (BS EN 22282-5:2012)

Client	One Manchester Ltd
Site	Norfolk Avenue, Gorton

Job No.	MRN 4270	Date of Test	2 August 2021
Test Location	See attached Site Plan	Material	Medium dense orange brown fine to medium SAND
Borehole Diameter	100mm	Borehole Condition	Soil flush with bottom in uniform soil

TEST DATA

Borehole 1 – Test 1	Borehole 1 – Test 2	Borehole 1 – Test 3
Depth 1.7m	Depth 1.7m	Depth 1.7m
Soil Infiltration Rate m/s	Soil Infiltration Rate m/s	Soil Infiltration Rate m/s
8.9 E-5	8.8 E-5	8.8 E-5

REMARKS

Borehole depth checked after test, no sediment had come out of suspension and the bottom had not heaved.

Soil Infiltration Rate Calculated in accordance with BRE Digest 365 1991

SIGNED

NAME S J Hutchings
(Director)

DATE 10 August 2021

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BOREHOLE LOG - MURRAY RIX GEOTECHNICAL										HOLE NO. 2		
CLIENT One Manchester Ltd										SITE Norfolk Avenue, Gorton		
DATE OF FIELDWORK 02/08/21 - 02/08/21			SCALE 1:50		LEVEL/POSITION 2		OPERATOR PA/SA		LOGGED BY PA		JOB NO. MRN 4270	
SAMPLE DEPTH	RECORD TYPE	SPT N (Cu-kN/m ²)	Standp/ Piezo	DESCRIPTION OF STRATUM (thickness)						DEPTH	LEGEND	
0.50	D	(70)		Grass over TOPSOIL (0.10) MADE GROUND dark brown mixed soil & clay fill with brick fragments (0.70)						0.10		
1.00	D			Firm red orange and brown silty very sandy CLAY (1.00)						0.80		
1.50	D											
2.00	D			Medium dense orange brown and red fine to medium SAND (2.00)						1.80		
2.50	D											
3.00	D											
3.50	D											
4.00	D			Stiff red brown mottled silty CLAY (2.20)						3.80		
4.50	D											
5.00	D											
5.50	D											
6.00	D			Borehole terminated at the required depth.						6.00		

GROUNDWATER AND CASING INFORMATION						BORING METHOD AND REMARKS	
DEPTH STRUCK	DEPTH CASED	ELAPSED TIME	WATER LEVEL	DEPTH SEALED	REMARKS ON GROUNDWATER AND CASING		
2.30	N/A	N/A	N/A	N/A	Final water level = 1.8m		

All dimensions are in metres unless otherwise stated

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DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

TEST CERTIFICATE

VARIABLE HEAD (FALLING HEAD) PERMEABILITY
BS 5930:2015 (BS EN 22282-5:2012)

Client	One Manchester Ltd
Site	Norfolk Avenue, Gorton

Job No.	MRN 4270	Date of Test	2 August 2021
Test Location	See attached Site Plan	Material	Medium dense orange brown and red fine to medium SAND
Borehole Diameter	100mm	Borehole Condition	Soil flush with bottom in uniform soil

TEST DATA

Borehole 2 – Test 1	Borehole 2 – Test 2	Borehole 2 – Test 3
Depth 1.8m	Depth 1.8m	Depth 1.8m
Soil Infiltration Rate m/s	Soil Infiltration Rate m/s	Soil Infiltration Rate m/s
9.4 E-5	9.2 E-5	9.1 E-5

REMARKS

Borehole depth checked after test, no sediment had come out of suspension and the bottom had not heaved.

Soil Infiltration Rate Calculated in accordance with BRE Digest 365 1991

SIGNED

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(Director)

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BOREHOLE LOG - MURRAY RIX GEOTECHNICAL							HOLE NO. 3	
							Sheet 1 of 1	
CLIENT One Manchester Ltd					SITE Norfolk Avenue, Gorton			
DATE OF FIELDWORK 02/08/21 - 02/08/21			SCALE 1:50	LEVEL/POSITION 3		OPERATOR PA/SA	LOGGED BY PA	JOB NO. MRN 4270
SAMPLE DEPTH	RECORD TYPE	SPT N (Cu-kN/m ²)	Standp/ Piezo	DESCRIPTION OF STRATUM (thickness)			DEPTH	LEGEND
				Grass over TOPSOIL (0.15)			0.15	
0.50	D			MADE GROUND dark brown mixed soil and clay fill with occasional brick fragments (1.05)				
1.00	D	(70)						
1.50	D			Medium dense red brown and orange clayey silty fine to medium SAND (1.10)			1.20	
2.00	D							
2.50	D			Firm wet red brown silty sandy CLAY (1.20)			2.30	
3.00	D							
3.50	D			Stiff red brown mottled silty CLAY (2.50)			3.50	
4.00	D							
4.50	D							
5.00	D							
5.50	D							
6.00	D			Borehole terminated at the required depth.			6.00	
Borehole terminated at the required depth.								
GROUNDWATER AND CASING INFORMATION						BORING METHOD AND REMARKS		
DEPTH STRUCK	DEPTH CASED	ELAPSED TIME	WATER LEVEL	DEPTH SEALED	REMARKS ON GROUNDWATER AND CASING		Limited access continuous flight auger rig. Drillers Log.	
2.30	N/A	N/A	N/A	N/A	Final water level = 2.5m			
All dimensions are in metres unless otherwise stated								

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Client	One Manchester Ltd
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Job No.	MRN 4270	Date of Test	2 August 2021
Test Location	See attached Site Plan	Material	Medium dense orange brown and red fine to medium SAND
Borehole Diameter	100mm	Borehole Condition	Soil flush with bottom in uniform soil

TEST DATA

Borehole 3 – Test 1	Borehole 3 – Test 2	Borehole 3 – Test 3
Depth 1.5m	Depth 1.5m	Depth 1.5m
Soil Infiltration Rate m/s	Soil Infiltration Rate m/s	Soil Infiltration Rate m/s
6.4 E-5	6.0 E-5	6.2 E-5

REMARKS

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