

Project: Dixon Newall Green Academy (1-21554)

Supplementary Ground Investigations

Project	Dixon Newall Green Academy
Client	Morgan Sindall Construction
Report No	FS0998-CCL-XX-XX-T-G-0001

Following the Phase 1 Desk Study and the Phase 2 Ground Investigations carried out on the site and documented in AGB Environmental Reports of May 2022 and September 2022 respectively, supplementary ground investigations have recently been carried out within the footprint of the proposed new buildings and temporary accommodation. The purpose of these investigations is to inform the foundation design, confirm existing building foundation details and perform infiltration tests as required for the drainage strategy.

The borehole and trial pit location plan, borehole and trial pit draft logs, trial pit sketches, TRL results and infiltration test results are attached.

In summary the investigations were carried out on 27th & 28th March 2023, a total of four hand dug trial pits, four window sample boreholes, two TRL / DCP tests and three soakaway tests were achieved.

The boreholes and trial pits encountered a covering of tarmac / MUGA surface to a depth of 0.23m bgl. This was underlain by Granular Made Ground to depths of between 0.48m and in excess of 1.07m bgl, with the deeper Made Ground associated with the hand pits around the perimeter of the current building. Underlying the Made Ground was completely weathered Bollin Mudstone, encountered as gravel sized fragments of mudstone in a clay matrix.

No visual or olfactory evidence of contamination was encountered during the course of the investigations.

Groundwater was encountered sporadically at the interface between the granular Made Ground and the underlying Mudstone. Ingress of water prevented the hand pitting around the foundations achieving the intended 1.2m bgl.

SPT results in the Bollin Mudstone were between N=23 and N=>50.

Within the area of the temporary classroom, one SPTs undertaken within the Mudstone at a depth of approximately 1.20m bgl and a second at 2.0m bgl these gave results ranging of N=25 and N=50.

Two TRL tests were undertaken in the car park WS04 recorded CBR values of 2.3% between 0.09 and 0.1m BGL increasing to 103% between 0.1-0.183m bgl. WS05 achieved values of 2.3% between 0.0-0.1 and 0.1-0.2m bgl, increasing to 12.7% between 0.2-0.3m bgl and 84.6% between 0.3 and 0.34m bgl.

Soakaway tests were undertaken in three locations. However only one fill was achieved in each location, with the water levels remaining static or rising during the duration of the tests.

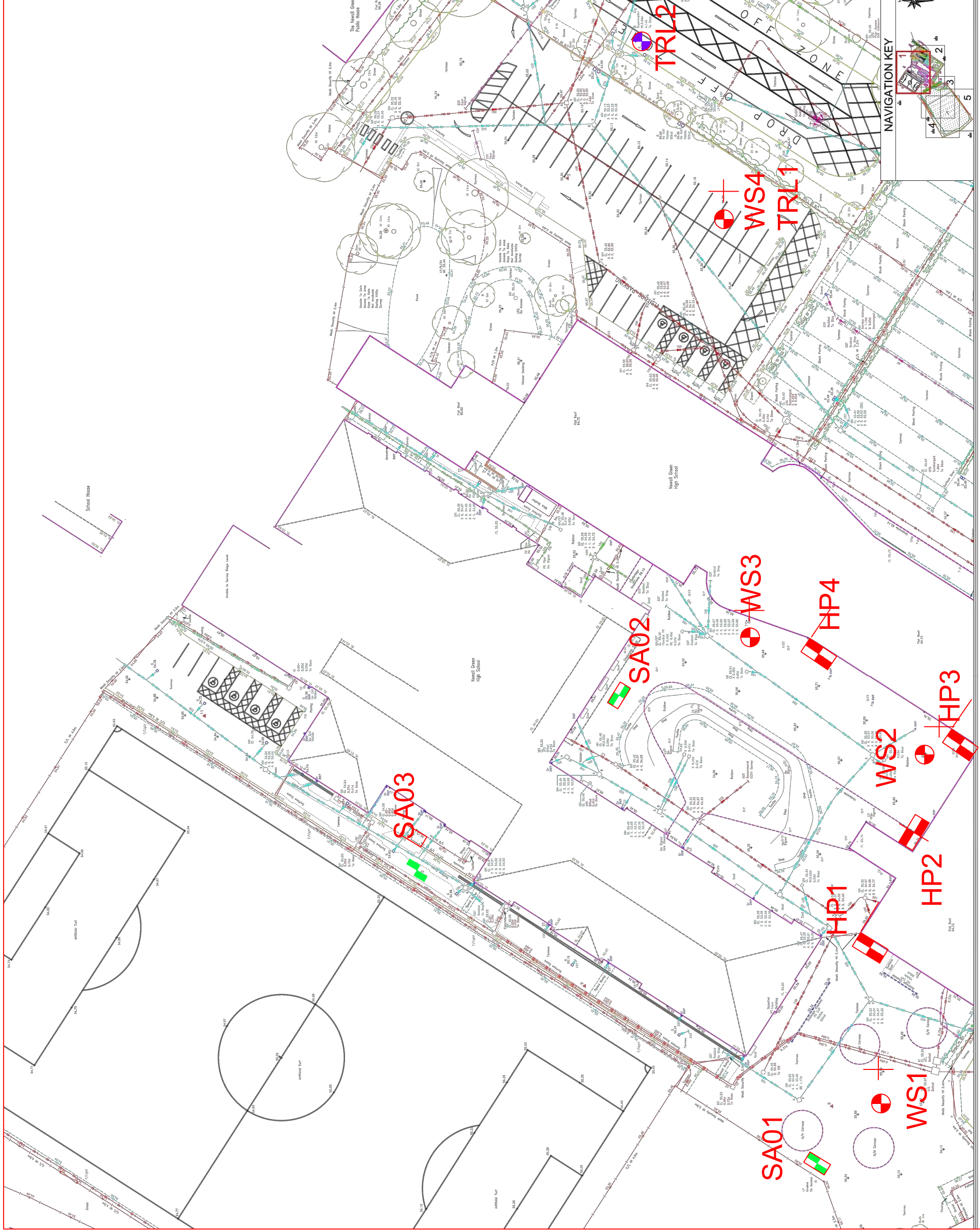
Key

Window Sample Borehole

Hand Dug Inspection Pit

Soakaway

TRL / CBR
Locations

[illegible]

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Client

Morgan Sindall Construction Ltd

Project

Dixon Newall Academy
Wythenshawe

Office
Altrincham

Discipline	GEO
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Title	Exploratory Hole Location Plan
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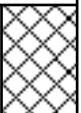
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Originator	Job Number	Discipline	Building/Zone
CCL	10/2250	-	-
Type	Level	Drawing No.	Revision
-	-	002	-

		Project Title: Dixon Newall Academy, Wythenshawe				WS01	
		Project Number: 10/2250		Client: Morgan Sindall			
		GL (mAOD):		N Coord: 53.383848		E Coord: -2.289498	
Date: 28/03/2023		Method: Window Sampler		Driller: Boreworx		Logged By: TB	

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.40	ES	pp 50/230mm			0.23	MADE GROUND: MUGA turf MADE GROUND: Grey slightly sandy gravel. Gravel is angular to sub-angular fine to coarse of limestone and sandstone. MADE GROUND: Yellowish grey slightly sandy gravel. Gravel is angular to sub-angular fine to coarse of sandstone and limestone with occasional fragments of brick and clinker. Very weak to weak mottled brownish grey slightly sandy slightly gravelly MUDSTONE. Gravel is angular to sub-angular fine to coarse of Mudstone. (BOLLIN MUDSTONE MEMBER) End Of Borehole At 1.43 m		
0.90	ES			0.85				
1.20 - 1.43	SPT			1.00				
					1.43			
					2.00			
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

- D - Disturbed Sample
- B - Bulk Sample
- U - Undisturbed
- W - Water Sample
- S - Standard Penetration Test
- C - Cone Penetration Test
- N - Penetration Test 'N' Value
- V - Hand Shear Vane kPa
-  - Groundwater Strike
-  - Groundwater Level



REMARKS

Borehole backfilled with arisings. Borehole terminated due to SPT refusal.

Scale: 1:50

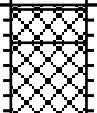
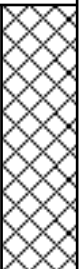
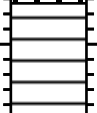
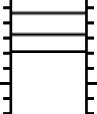
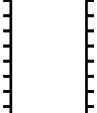
Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
03/04/2023	0.8				

Daily Log Of Depths

Date	Casing	Water	From	To	Hours

		Project Title: Dixon Newall Academy, Wythenshawe				WS02	
		Project Number: 10/2250		Client: Morgan Sindall			
		GL (mAOD):		N Coord: 53.383712		E Coord: -2.289856	
Date: 28/03/2023		Method: Window Sampler		Driller: Boreworx		Logged By: TB	

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.20	ES	N=23 pp 50/95mm			0.25	MADE GROUND: MUGA turf		
0.60	ES				0.73	MADE GROUND: Grey slightly sandy gravel. Gravel is angular to sub-angular fine to coarse of limestone and sandstone.		
1.10 1.20 - 1.65	ES SPT				1.00	MADE GROUND: Yellowish grey slightly sandy gravel. Gravel is angular to sub-angular fine to coarse of sandstone and limestone with occasional fragments of brick and clinker.		
1.70 - 1.79	SPT				1.79	Very weak to weak mottled brownish grey slightly sandy slightly gravelly MUDSTONE. Gravel is angular to sub-angular fine to coarse of Mudstone. (BOLLIN MUDSTONE MEMBER)		
					2.00	End Of Borehole At 1.79 m		
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY D - Disturbed Sample B - Bulk Sample U - Undisturbed W - Water Sample S - Standard Penetration Test C - Cone Penetration Test N - Penetration Test 'N' Value V - Hand Shear Vane kPa  - Groundwater Strike  - Groundwater Level		REMARKS Borehole backfilled with arisings. Borehole terminated due to SPT refusal. 	Water Strikes					
			Date	Strike	Level	Minutes	Casing	Sealed
			03/04/2023	0.8				
			Daily Log Of Depths			Chiselling		
			Date	Casing	Water	From	To	Hours

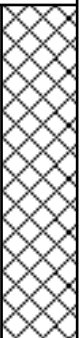
Scale: 1:50

		Project Title: Dixon Newall Academy, Wythenshawe				WS03	
		Project Number: 10/2250		Client: Morgan Sindall			
		GL (mAOD):		N Coord: 53.383645		E Coord: -2.290099	
Date: 28/03/2023		Method: Hand Excavated		Driller: Boreworx		Logged By: TB	

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.40	ES	pp 50/210mm			0.10 0.23	MADE GROUND: Macadam		
					0.67	MADE GROUND: Grey slightly sandy gravel. Gravel is angular to sub-angular fine to coarse of limestone and sandstone.		
1.10 1.20 - 1.54	ES SPT				1.00	MADE GROUND: Yellowish grey slightly sandy gravel. Gravel is angular to sub-angular fine to coarse of sandstone and limestone with occasional fragments of brick and clinker encountered.		
					1.54	Very weak to weak mottled brownish grey slightly sandy slightly gravelly MUDSTONE. Gravel is angular to sub-angular fine to coarse of Mudstone.		
					2.00	End Of Borehole At 1.54 m		
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY D - Disturbed Sample B - Bulk Sample U - Undisturbed W - Water Sample S - Standard Penetration Test C - Cone Penetration Test N - Penetration Test 'N' Value V - Hand Shear Vane kPa  - Groundwater Strike  - Groundwater Level 		REMARKS No Groundwater Encountered Borehole backfilled with arisings. Borehole terminated due to SPT refusal. Scale: 1:50		Water Strikes																									
				<table border="1"> <thead> <tr> <th>Date</th> <th>Strike</th> <th>Level</th> <th>Minutes</th> <th>Casing</th> <th>Sealed</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>						Date	Strike	Level	Minutes	Casing	Sealed														
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Date	Casing	Water	From	To	Hours																								

		Project Title: Dixon Newall Academy, Wythenshawe				WS04	
		Project Number: 10/2250		Client: Morgan Sindall			
		GL (mAOD):		N Coord: 53.383873		E Coord: -2.288118	
Date: 28/03/2023		Method: Window Sampler		Driller: Boreworx		Logged By: TB	

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.30	ES	N=25 pp 50/225mm			0.15	MADE GROUND: Macadam MADE GROUND: Yellowish grey slightly sandy gravel. Gravel is angular to sub-angular fine to coarse of sandstone and limestone with occasional fragments of brick and clinker encountered. Very weak to weak mottled brownish grey slightly sandy slightly gravelly MUDSTONE. Gravel is angular to sub-angular fine to coarse of Mudstone. (BOLLIN MUDSTONE MEMBER) End Of Borehole At 2.22 m		
1.10 1.20 - 1.65	ES SPT				0.72 1.00			
2.00 - 2.22	SPT				2.00 2.22			
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY D - Disturbed Sample B - Bulk Sample U - Undisturbed W - Water Sample S - Standard Penetration Test C - Cone Penetration Test N - Penetration Test 'N' Value V - Hand Shear Vane kPa  - Groundwater Strike  - Groundwater Level		REMARKS Borehole backfilled with arisings. Borehole terminated due to SPT refusal.	Water Strikes																										
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Date	Strike	Level	Minutes	Casing	Sealed																								
28/03/2023	0.85																												
		Scale: 1:50	Daily Log Of Depths																										
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Date	Casing	Water	From	To	Hours																								

		Project Title: Dixon Newall Academy, Wythenshawe				SA01	
		Project Number: 10/2250		Client: Morgan Sindall			
		GL (mAOD):		N Coord: 53.383718		E Coord: -2.290178	
Date: 27/03/2023-28/03/2023		Method: JCB		Logged By: TB		Scale: 1:50	
Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water
0.40	ES				0.15	MADE GROUND: Macadam	
					0.63	MADE GROUND: Yellowish grey slightly sandy gravel. Gravel is angular to sub-angular fine to coarse of sandstone and limestone. Fragments of brick and clinker encountered.	
1.10	ES				1.00	Very weak to weak brownish grey slightly sandy slightly gravelly MUDSTONE. Gravel is angular to sub-angular fine to coarse of Mudstone.	
					1.53	(BOLLIN MUDSTONE MEMBER)	
					2.00	End Of Trial Pit At 1.53 m	
					3.00		
					4.00		
					5.00		
					6.00		
					7.00		
					8.00		
					9.00		
					10.00		
KEY D - Disturbed Sample B - Bulk Sample W - Water Sample V - Hand Shear Vane kPa						REMARKS Borehole backfilled with arisings.	

		Project Title: Dixon Newall Academy, Wythenshawe		SA02		
		Project Number: 10/2250	Client: Morgan Sindall			
		GL (mAOD):		N Coord: 53.38401	E Coord: -2.289274	
Date: 27/03/2023-28/03/2023		Method: JCB		Logged By: TB		Scale: 1:50

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water
0.30	ES				0.20	MADE GROUND: MUGA turf	
0.80	ES				0.56	MADE GROUND: Yellowish grey slightly sandy gravel. Gravel is angular to sub-angular fine to coarse of limestone and sandstone.	
				1.00	MADE GROUND: Brownish grey slightly sandy slightly clayey gravel. Gravel is angular to sub-angular fine to coarse of sandstone and limestone.		
				1.63	Very weak to weak brownish grey slightly sandy slightly gravelly MUDSTONE. Gravel is angular to sub-angular fine to coarse of Mudstone siltstone. (BOLLIN MUDSTONE MEMBER)		
				2.00	0.56 Brown fabric membrane		
						End Of Trial Pit At 1.63 m	
					3.00		
					4.00		
					5.00		
					6.00		
					7.00		
					8.00		
					9.00		
					10.00		

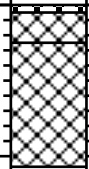
KEY D - Disturbed Sample B - Bulk Sample W - Water Sample V - Hand Shear Vane kPa  - Groundwater Strike  - Groundwater Level		REMARKS Borehole backfilled with arisings.
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		Project Title: Dixon Newall Academy, Wythenshawe				SA03	
		Project Number: 10/2250		Client: Morgan Sindall		Sheet 1 Of 1	
		GL (mAOD):		N Coord: 53.383962		E Coord: -2.289857	
Date: 27/03/2023		Method: JCB		Logged By: TB		Scale: 1:50	
Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water
0.30	ES				0.18	MADE GROUND: Macadam	
					0.58	MADE GROUND: Yellowish grey slightly sandy gravel. Gravel is angular to sub-rounded fine to coarse of limestone and sandstone.	
1.20	ES				1.00	Stiff brownish grey slightly sandy slightly gravelly MUDSTONE. Gravel is angular to sub-angular fine to coarse of mudstone / siltstone.	
					1.45	(BOLLIN MUDSTONE MEMBER)	
					2.00	End Of Trial Pit At 1.45 m	
					3.00		
					4.00		
					5.00		
					6.00		
					7.00		
					8.00		
					9.00		
					10.00		
KEY D - Disturbed Sample B - Bulk Sample W - Water Sample V - Hand Shear Vane kPa  - Groundwater Strike  - Groundwater Level						REMARKS No Groundwater Encountered Borehole backfilled with arisings.	



		Project Title: Dixon Newall Academy, Wythenshawe				TP01	
		Project Number: 10/2250		Client: Morgan Sindall			
		GL (mAOD):		N Coord: 53.383705		E Coord: -2.28973	
Date: 27/03/2023		Method: JCB		Logged By: TB		Scale: 1:50	
Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water
0.30	ES				0.13	MADE GROUND: Macadam	
0.80	ES				0.48	MADE GROUND: Yellowish brown slightly sandy gravel. Gravel is angular to sub-angular fine to coarse of sandstone and limestone.	
					1.00	Stiff brownish grey slightly sandy slightly gravelly MUDSTONE. Gravel is angular to sub-angular fine to coarse of siltstone and mudstone. (BOLLIN MUDSTONE MEMBER)	
					1.07		
					2.00	End Of Trial Pit At 1.07 m	
					3.00		
					4.00		
					5.00		
					6.00		
					7.00		
					8.00		
					9.00		
					10.00		
KEY D - Disturbed Sample B - Bulk Sample W - Water Sample V - Hand Shear Vane kPa						REMARKS Borehole backfilled with arisings. Borehole terminated due to ground water influx.	

		Project Title: Dixon Newall Academy, Wythenshawe				TP02	
		Project Number: 10/2250		Client: Morgan Sindall			
		GL (mAOD):		N Coord: 53.383696		E Coord: -2.289586	
Date: 27/03/2023		Method: Hand Excavated		Logged By: TB		Scale: 1:50	

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water
0.20	ES				0.25	MADE GROUND: MUGA turf	
0.60	ES				0.60	MADE GROUND: Yellowish grey slightly sandy gravel. Gravel is angular to sub-angular fine to coarse of sandstone and limestone.	
0.95	ES				1.00 1.07	MADE GROUND: Brownish grey slightly sandy slightly clayey gravel. Gravel is angular to sub-angular fine to coarse of sandstone and limestone with occasional fragments of brick and clinker.	
					2.00	End Of Trial Pit At 1.07 m	
					3.00		
					4.00		
					5.00		
					6.00		
					7.00		
					8.00		
					9.00		
					10.00		

KEY D - Disturbed Sample B - Bulk Sample W - Water Sample V - Hand Shear Vane kPa  - Groundwater Strike  - Groundwater Level		REMARKS Borehole backfilled with arisings. Borehole terminated due to groundwater influx.
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		Project Title: Dixon Newall Academy, Wythenshawe				TP03	
		Project Number: 10/2250		Client: Morgan Sindall			
		GL (mAOD):		N Coord: 53.383734		E Coord: -2.289529	
Date: 27/03/2023		Method: Hand Excavated		Logged By: TB		Scale: 1:50	
Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water
0.30	ES			  	0.35	MADE GROUND: MUGA turf	
0.70	ES				0.78	MADE GROUND: Yellowish grey slightly sandy gravel. Gravel is angular to sub-angular fine to coarse of sandstone and limestone.	
					1.00	MADE GROUND: Brownish grey slightly sandy slightly clayey gravel. Gravel is angular to sub-angular fine to coarse of sandstone and limestone with occasional fragments of brick and clinker.	
					2.00	End Of Trial Pit At 0.78 m	
					3.00		
					4.00		
					5.00		
					6.00		
					7.00		
					8.00		
					9.00		
					10.00		
KEY D - Disturbed Sample B - Bulk Sample W - Water Sample V - Hand Shear Vane kPa						REMARKS Borehole backfilled with arisings. Borehole terminated due to ground water influx.	

		Project Title: Dixon Newall Academy, Wythenshawe				TP04	
		Project Number: 10/2250		Client: Morgan Sindall			
		GL (mAOD):		N Coord: 53.383841		E Coord: -2.289489	
Date: 27/03/2023		Method: Hand Excavated		Logged By: TB		Scale: 1:50	

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water
0.20	ES			   	0.14	MADE GROUND: MUGA turf MADE GROUND: Stone brick MADE GROUND: Yellowish grey slightly sandy gravel. Gravel is angular to sub-angular fine to coarse of sandstone and limestone. MADE GROUND: Brownish grey slightly sandy slightly clayey gravel. Gravel is angular to sub-angular fine to medium of sandstone and limestone with occasional fragments of brick and clinker. End Of Trial Pit At 0.75 m	
0.60	ES		0.30				
			0.75				
					1.00		
					2.00		
					3.00		
					4.00		
					5.00		
					6.00		
					7.00		
					8.00		
					9.00		
					10.00		

KEY D - Disturbed Sample B - Bulk Sample W - Water Sample V - Hand Shear Vane kPa  - Groundwater Strike  - Groundwater Level 	REMARKS Borehole backfilled with arisings. Borehole terminated due to ground water influx
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HP1

Faux Brick

GL 

Concrete foundations

0.56m

0.18m

1.00m

Unable to prove vertical
depth of foundation due
to water influx

A	Rev	Mar 2023	Original Drawing Description	SP By	CHK. APP. Check App.
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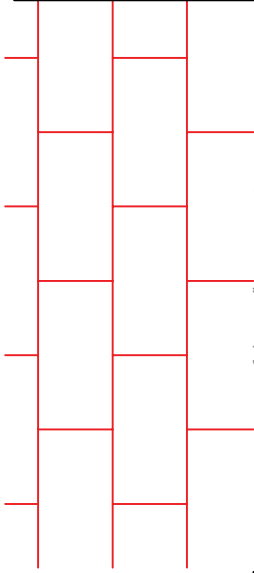
Client	Morgan Sindall Construction Ltd	
Project	Dixon Newall Academy Wythenshawe	
Office	Altrincham	
Discipline	Geo-Environmental	
Title	Foundation Pit Drawing 01	
Scale @ A3	NTS	Status Live



www.clancy.co.uk

Originator	Job Number	Discipline	Building/Zone
CCL	10/22/50	GEO	-
Type	Level	Drawing No.	Revision
GA	00	003	A

Faux Brick



Ⓜ



0.17m



0.20m

Concrete foundations

0.30m



0.50m

1.00m



Unable to prove vertical
depth of foundation due
to water influx



clancy consulting

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Originator	Job Number	Discipline	Building/Zone
CCL	10/2250	GEO	-
Type	Level	Drawing No.	Revision
GA	00	004	A

Rev	A	Mar 2023	Original Drawing Description	SP By	CHK. APP. Check App.
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Client	Morgan Sindall Construction Ltd	
Project	Dixon Newhall Academy Wythenshawe	
Office	Altrincham	
Discipline	Geo-Environmental	
Title	Foundation Pit Drawing 02	
Scale @ A3	NTS	Status Live

HP3

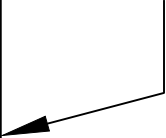
GL



0.48m

Concrete foundations

1.00m



Unable to prove vertical depth of foundation due to water influx

Rev	A	Mar 2023	Original Drawing	TB	PJH	NR
			Description	By	Check	App.

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Client	Morgan Sindall Construction Ltd
Project	Dixon Newall Academy Wythenshawe
Office	Altrincham
Discipline	Geo-Environmental
Title	Foundation Pit Drawing 03

Scale @ A3	NTS	Status	Live
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Originator	Job Number	Discipline	Building/Zone
CCL	102250	GEO	-
Type	Level	Drawing No.	Revision
GA	00	003	A

— wall

GL 

7

0.75m

Unable to prove vertical
depth of foundation due
to water influx

A	Mar 2023	Original Drawing	TB	PH	NR
	Rev	Date	By	Check	App.

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Client	Morgan Sindall Construction Ltd	
Project	Dixon Newall Academy Wythenshawe	
Office	Atrincham	
Discipline	Geo-Environmental	
Title	Foundation Pit Drawing 04	
Scale @ A3	NTS	Status Live



www.clancy.co.uk

Originator	Job Number	Discipline	Building/Zone
CCL	10/2250	GEO	-
Type	Level	Drawing No.	Revision
GA	00	003	A



STRUCTURAL SOILS LTD
INSITU TESTING REPORT



1774

Report No. 785391R.01(00)

Date 29-March-2023 Contract Dixons Academy, Wythenshaw

Client Clancy Consulting Ltd

Address Dunham Court
2 Dunham Road
Altrincham
Cheshire
WA14 4NX

For the Attention of Phil Hill

Order received 23-February-2023

Testing Started 27-March-2023

Testing Completed 28-March-2023

Client Reference CCL: 10-2250

Client Order No. 32109

Instruction Type Written

Tests marked 'Not UKAS Accredited' in this report are not included in the UKAS Accreditation Schedule for our Laboratory.

UKAS Accredited Tests

Not - UKAS Tests:

* 3 no. Soakaway Testing to BRE Digest 365

Please note that 3 fills in each pit was not achievable due to time constraints/ground conditions

The results represent the ground conditions at the specified locations and depths at the time of testing.

Please Note: Remaining samples will be retained for a period of one month from today and will then be disposed of.

Test were undertaken on samples 'as received' unless otherwise stated.

Opinions and interpretations expressed in this report are outside the scope of accreditation for this laboratory.

Structural Soils Ltd, The Potteries, Pottery Street, Castleford, WF10 1NJ Tel.01977552255. e-mail matthew.doran@soils.co.uk

TESTING VERIFICATION CERTIFICATE

The test results included in this report are certified as:-

ISSUE STATUS: **FINAL**

In accordance with the Structural Soils Ltd Laboratory Quality Management System, results sheets and summaries of results issued by the laboratory are checked by an approved signatory. The integrity of the test data and results are ensured by control of the computer system employed by the laboratory as part of the Software Verification Program as detailed in the Laboratory Quality Manual.

This testing verification certificate covers all testing compiled on or before the following datetime: **29/03/2023 12:03:04**.

Testing reported after this date is not covered by this Verification Certificate.



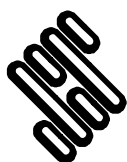
Approved Signatory
Matthew Doran (Site Testing Manager (North))

(Head Office)
Bristol Laboratory
Unit 1A, Princess Street
Bedminster
Bristol
BS3 4AG

Castleford Laboratory
The Potteries, Pottery Street
Castleford
West Yorkshire
WF10 1NJ

Hemel Laboratory
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Tonbridge Laboratory
Anerley Court, Half Moon Lane
Hildenborough
Tonbridge
TN11 9HU



**STRUCTURAL
SOILS LTD**

Contract:

Dixon Academy, Wythenshawe

Job No:

785391

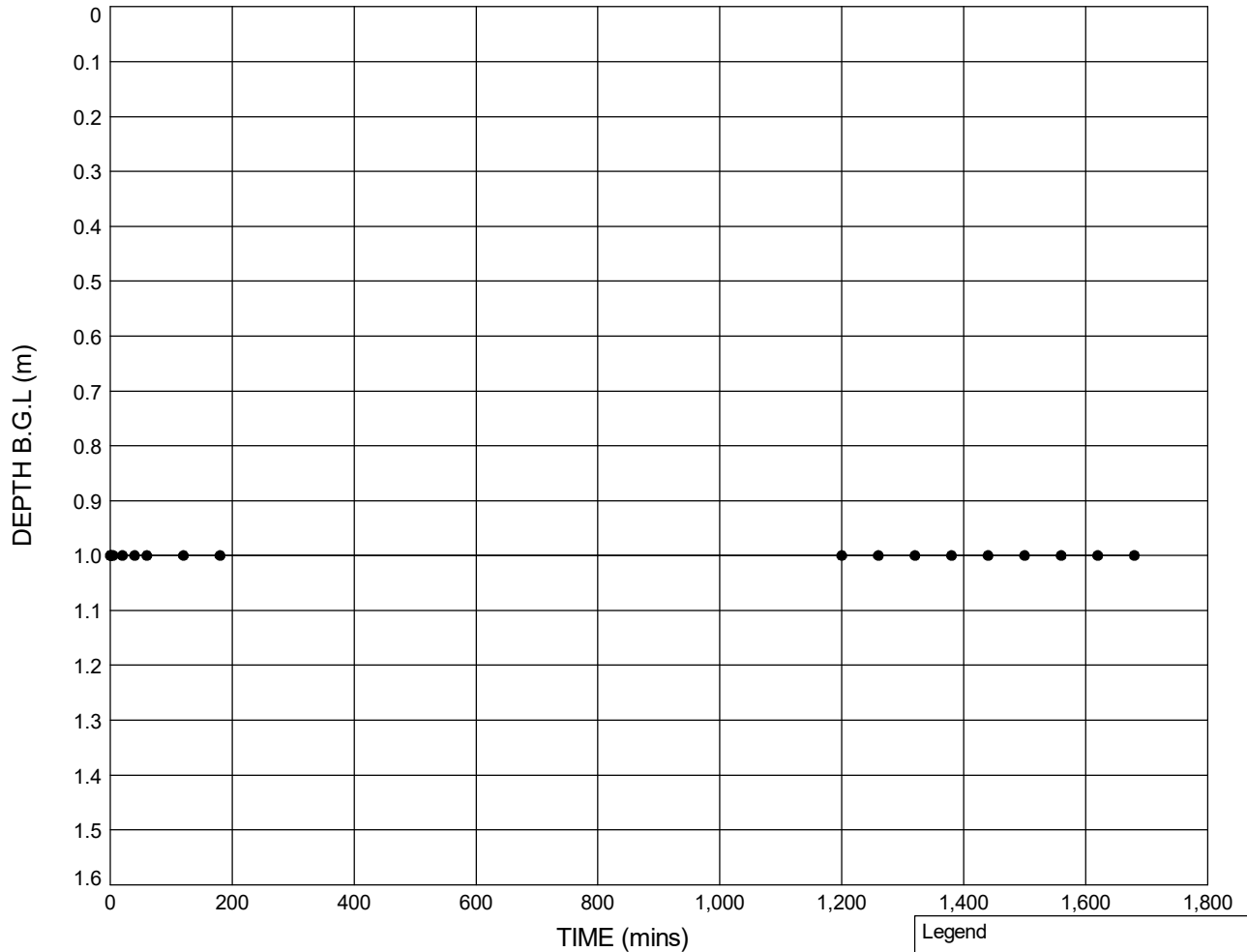


FULL SCALE SOAKAWAY TEST

Non-standard test

Soakaway Test - Position ID : **SA01**

PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



Test 1

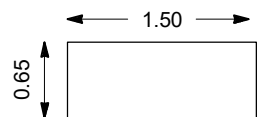
Pit start depth: = **1.65** m
 Pit final depth: = **1.65** m
 Effective depth, D_e = **0.65** m
 Effective storage volume, V_{p75-25} = **0.3169** m³
 Surface area, a_{s50} = **2.3725** m²
 Time, t_{p75-25} = **N/A** secs
 Infiltration rate, f = **N/A** m/s

Notes: Test 1 - Unable to calculate infiltration rate due to insufficient drop in water level.

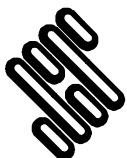
Legend

● Test 1 (27.03.23)

Plan (Not to scale)



No Bearing Taken



STRUCTURAL SOILS
 The Potteries
 Pottery Street
 Castleford
 W. Yorkshire WF10 1NJ

Compiled By

K. Flincher

Date

29/03/23

Checked By

M. Daw

Date

29/03/23

Contract

Dixon Academy, Wythenshawe

Contract Ref:

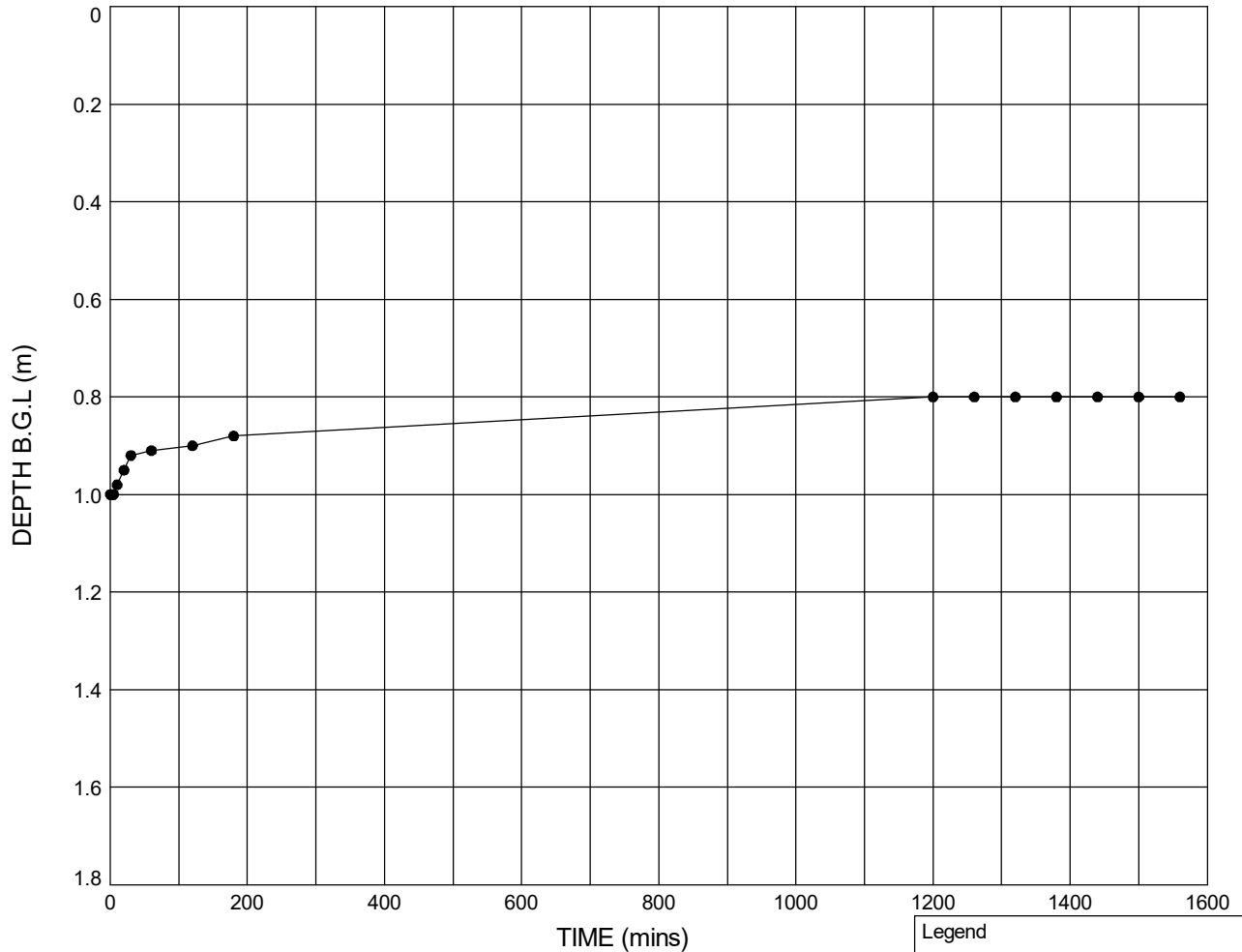
785391

FULL SCALE SOAKAWAY TEST

Non-standard test

Soakaway Test - Position ID : **SA02**

PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



Test 1

Pit start depth: = **1.70** m

Pit final depth: = **1.70** m

Effective depth, D_e = **0.70** m

Effective storage volume, V_{p75-25} = **0.4410** m³

Surface area, a_{s50} = **3.0100** m²

Time, t_{p75-25} = **N/A** secs

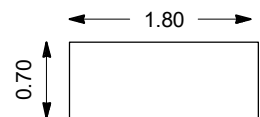
Infiltration rate, f = **N/A** m/s

Notes: Test 1 - Unable to calculate infiltration rate due to insufficient drop in water level.

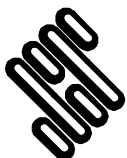
Legend

● Test 1 (27.03.23)

Plan (Not to scale)



No Bearing Taken



STRUCTURAL SOILS
The Potteries
Pottery Street
Castleford
W. Yorkshire WF10 1NJ

Compiled By

K. Flincher

Date

29/03/23

Checked By

M. Durr

Date

29/03/23

Contract

Dixon Academy, Wythenshawe

Contract Ref:

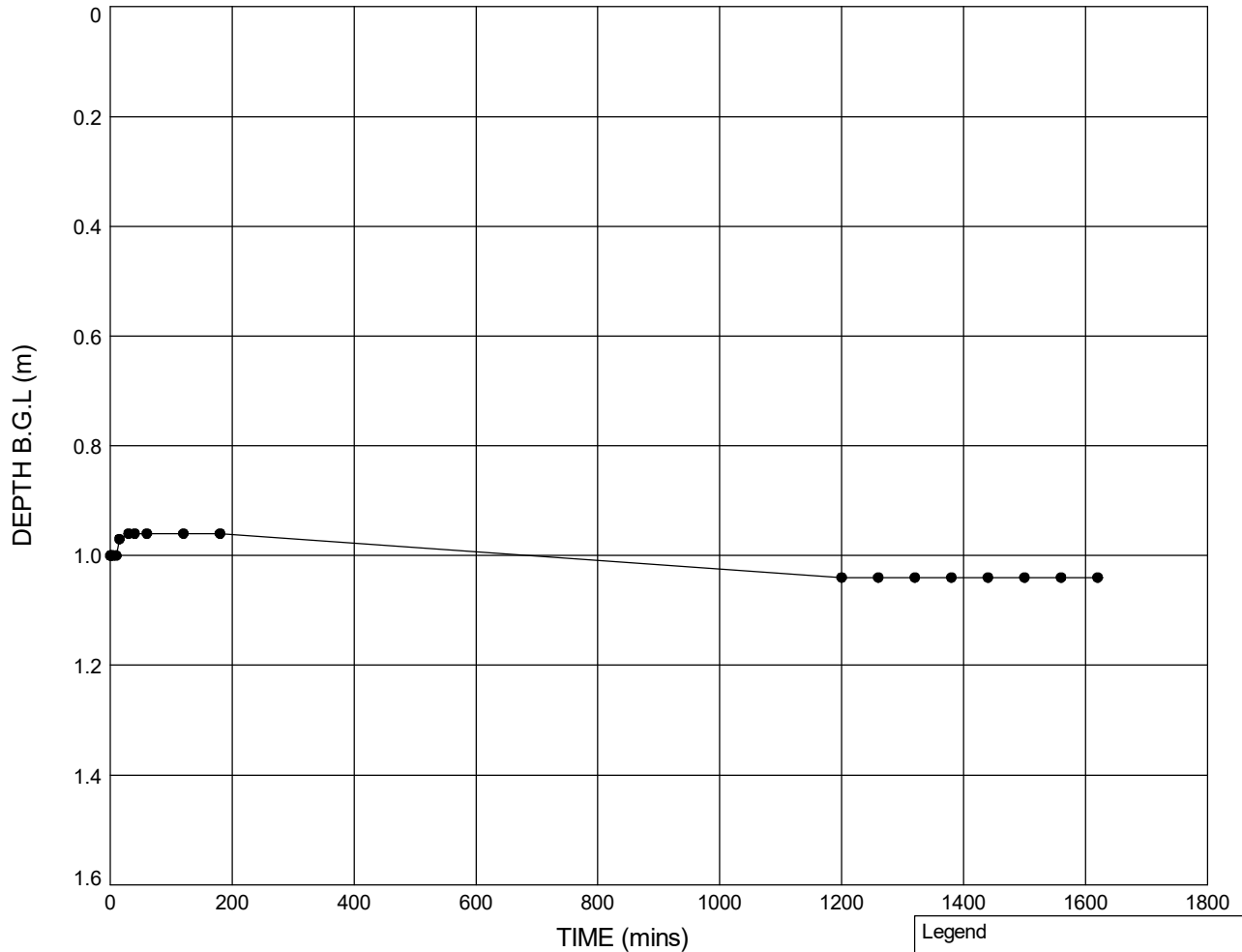
785391

FULL SCALE SOAKAWAY TEST

Non-standard test

Soakaway Test - Position ID : **SA03**

PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



Test 1

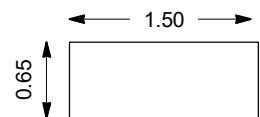
Pit start depth: = **1.65** m
 Pit final depth: = **1.65** m
 Effective depth, D_e = **0.65** m
 Effective storage volume, V_{p75-25} = **0.3169** m³
 Surface area, a_{s50} = **2.3725** m²
 Time, t_{p75-25} = **N/A** secs
 Infiltration rate, f = **N/A** m/s

Notes: Test 1 - Unable to calculate infiltration rate due to insufficient drop in water level.

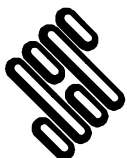
Legend

● Test 1 (27.03.23)

Plan (Not to scale)



No Bearing Taken



STRUCTURAL SOILS
 The Potteries
 Pottery Street
 Castleford
 W. Yorkshire WF10 1NJ

Compiled By

K. Flincher

Date

29/03/23

Checked By

M. Daw

Date

29/03/23

Contract

Dixon Academy, Wythenshawe

Contract Ref:

785391

WS04

Depth (m)	Blows	mm/blow	CBR
0.09 - 0.1	1	100	2.3
0.1-0.183	30	2.766667	103.0
0.2-0.3	0	#DIV/0!	#DIV/0!
0.3-0.4	0	#DIV/0!	#DIV/0!
0.4-0.5	0	#DIV/0!	#DIV/0!
0.5 - 0.6	0	#DIV/0!	#DIV/0!
0.6 - 0.7	0	#DIV/0!	#DIV/0!
0.7 - 0.8	0	#DIV/0!	#DIV/0!
0.8 - 0.9	0	#DIV/0!	#DIV/0!
0.9 - 1.0	0	#DIV/0!	#DIV/0!

WS05

Depth (m)	Blows
0.0 - 0.1	1
0.1 - 0.2	1
0.2 - 0.3	5
0.3 - 0.34	12
0.4 - 0.5	
0.5 - 0.6	
0.6 - 0.7	
0.7 - 0.8	
0.8 - 0.9	
0.9 - 1.0	

[illegible]