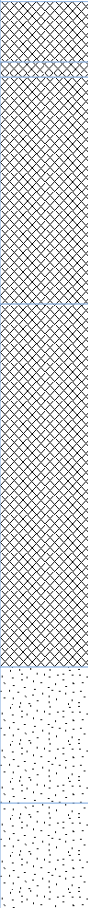


 BROWNFIELD SOLUTIONS LTD						Borehole Log		Borehole No.		
PROJECT NO: C5049						CO-ORDS:		BH01		
								Sheet 1 of 1		
PROJECT NAME: THE MANCHESTER CITY CENTRE COLLEGE (PHASE 2)						LEVEL:		Hole Type		
								CP		
CLIENT: THE MANCHESTER COLLEGE						DATES: 22/02/23		Scale		
								1:50		
								Logged	Checked	
								CM	TM	
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		0.00-0.30	B					MADE GROUND TOPSOIL: Grass over dark brown slightly clayey gravelly fine to coarse sand. Gravel is sub-rounded fine to medium of mudstone . MADE GROUND: Grey sub-angular coarse gravels of limestone (Hard dig layer). MADE GROUND: Brown slightly sandy gravel with low cobble content. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse of brick and concrete. Occasional metal fragment. Cobbles are sub-angular of brick up to 250mm in diameter. <i>Becoming medium dense from 1.20m bgl.</i>	1.0	
		0.50-0.80	B		0.40 0.50					
		1.20-1.65 1.20	D SPT	N=15 (3,4/4,4,4,3)						
		2.00-2.30 2.20-2.65 2.20	B D SPT	N=7 (3,3/1,1,2,3)	2.00					
		3.20-3.65 3.20	D SPT	N=11 (1,2/2,3,3,3)						
		3.70-4.00	B							
		4.40-4.80 4.40	D SPT	N=10 (2,2/3,2,2,3)	4.40					
		4.90-5.20	B							
		5.30-5.45 5.30	S SPT	N≥50 (25 for 70mm/50 for 70mm)	5.30					
		5.90-6.00 5.90	S SPT	N≥50 (25 for 40mm/50 for 60mm)	6.00					
Medium dense brown fine to coarse SAND.								5.0		
Very dense red fine to coarse SAND (Possibly weathered bedrock).								6.0		
End of Borehole at 6.00m								6.0		
								7.0		
								8.0		
								9.0		
								10.0		
Remarks		1. Service Clearance by BSL Engineer using GPR. 2. Inspection pit to 1.20m bgl. 3. No groundwater encountered. 4. Borehole progression refused in the SPT at 5.30m bgl, followed by 30 minutes of chiseling and a second refusal in the SPT at 6.00m bgl. 5. Borehole temporary installed with HDPE pipe prior to Geophysical density logging.						ES = Environmental Sample D = Disturbed Sample B = Bulk Sample LB = Large Bulk Sample U = Undisturbed Sample UT = Undisturbed Thin Wall Sample SPT = Standard Penetration Test PID = Photoionization Detector (ppm) PPM = Part Per Million HSV = Hand Shear Vane		



Borehole No.

BH02

Sheet 1 of 1

CO-ORDS:

Hole Type

LEVEL:

Scale

1:50

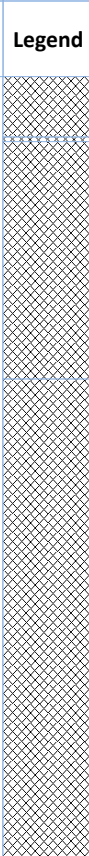
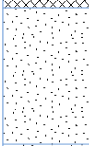
DATES: 22/02/23

Logged

Checked

CM

TM

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		0.50-0.80	B	N≥50 (25 for 105mm/50 for 105mm)	0.40 0.43			MADE GROUND TOPSOIL: Grass over dark brown slightly clayey gravelly fine to coarse sand. Gravel is sub-rounded fine to medium of mudstone. MADE GROUND: Grey sub-angular coarse gravels of limestone (Hard dig layer).	1.0 2.0	
		1.20-1.40 1.20	S SPT		2.00-2.30			B		2.00
		2.30-2.75 2.30	S SPT	N=14 (3,3/4,3,3,4)						MADE GROUND: Brown slightly sandy gravelly clay. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse of brick and concrete.
		3.40-3.85 3.40	S SPT	N=27 (6,6/6,7,7,7)						
		3.70-4.00	B							4.0
		4.50-4.95 4.50	S SPT	N=29 (7,9/14,5,5,5)						5.0
		4.70-5.00	B							
		5.20-5.40 5.20	S SPT	N≥50 (25 for 125mm/50 for 115mm)	5.20			Very dense brown fine to coarse SAND.	6.0	
		6.20-6.40 6.20	S SPT	N≥50 (25 for 95mm/50 for 95mm)	6.10 6.40			Very dense red fine to coarse SAND (Possibly weathered bedrock).		
										End of Borehole at 6.40m

1. Service Clearance by BSL Engineer using GPR.
2. Inspection pit to 1.20m bgl.
3. No groundwater encountered.
4. Borehole progression refused in the SPT at 5.20m bgl, followed by 30 minutes of chiseling and a second refusal in the SPT at 6.40m bgl.
5. Borehole temporary installed with HDPE pipe prior to Geophysical density logging.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane



Probe Log

Borehole No.

DP01

Sheet 1 of 1

Project Name: THE MANCHESTER CITY
CENTRE COLLEGE (PHASE 2)Project No.
C5049

Co-ords: -

Hole Type
DCP

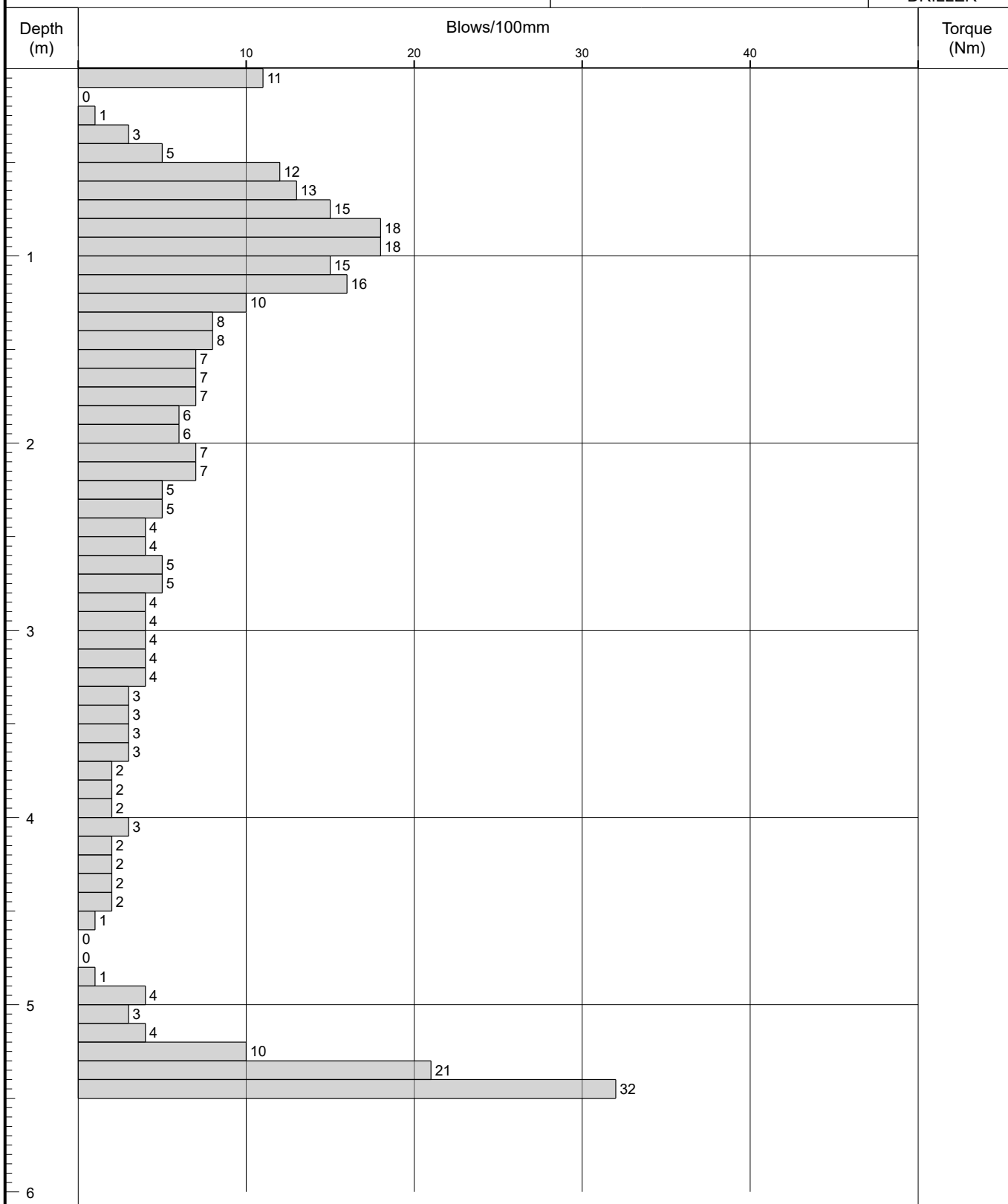
Location: MANCHESTER

Level:

Scale
1:30

Client: THE MANCHESTER COLLEGE

Dates: 24/02/2023 - 24/02/2023

Logged By
DRILLER

Remarks

- Service Clearance by BSL Engineer using GPR.
- Dynamic probe terminated on refusal.

Fall Height 500

Cone Base Diameter

Hammer Wt 64

Final Depth 5.40

Probe Type DPSH- A

Log Scale 1:30





Probe Log

Borehole No.

DP02

Sheet 1 of 1

Project Name: THE MANCHESTER CITY
CENTRE COLLEGE (PHASE 2)Project No.
C5049

Co-ords: -

Hole Type
DCP

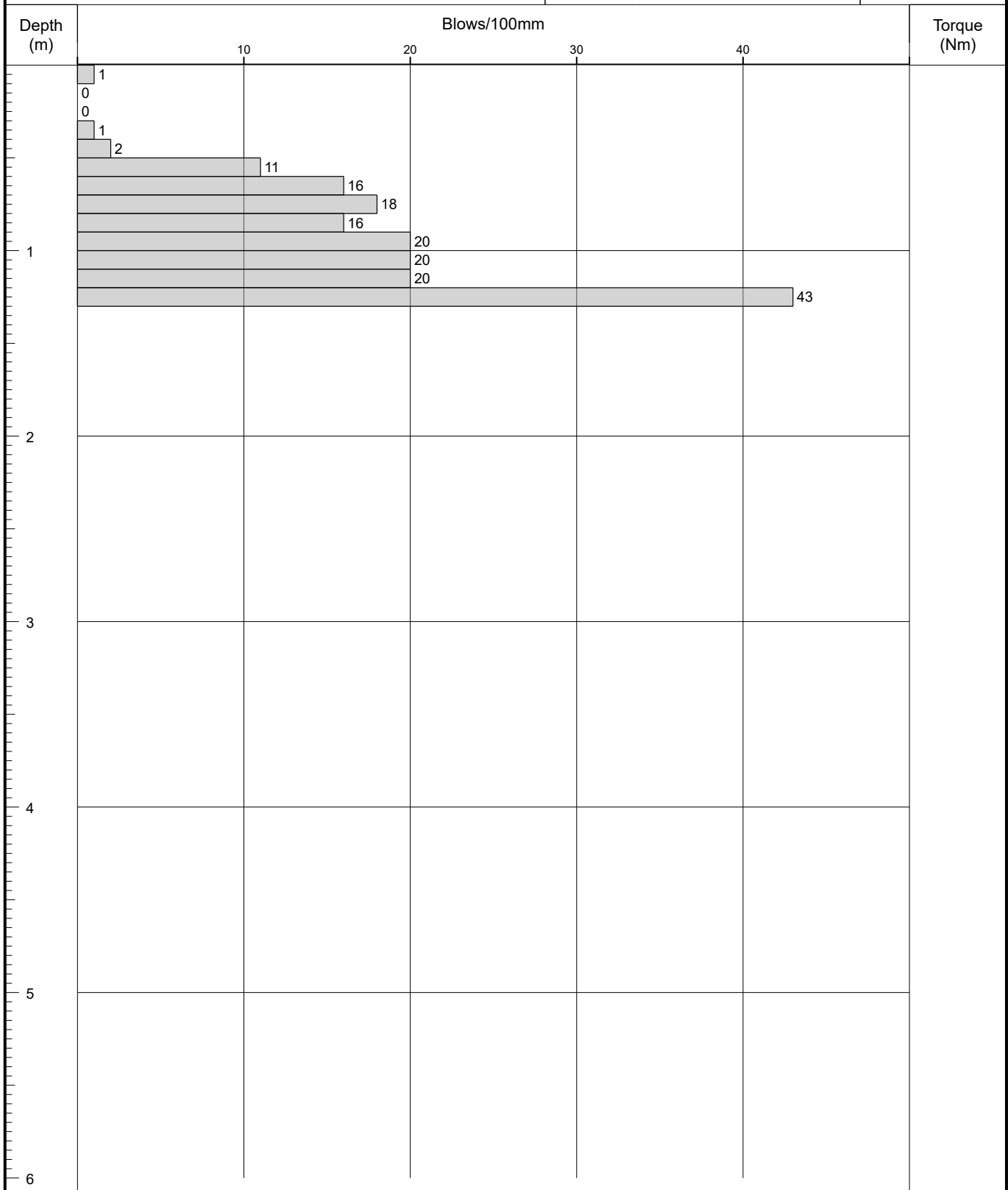
Location: MANCHESTER

Level:

Scale
1:30

Client: THE MANCHESTER COLLEGE

Dates: 24/02/2023 - 24/02/2023

Logged By
DRILLER

Remarks

- Service Clearance by BSL Engineer using GPR.
- Dynamic probe terminated on refusal.

Fall Height 500

Cone Base Diameter

Hammer Wt 64

Final Depth 1.30

Probe Type DPSH- A

Log Scale 1:30





Probe Log

Borehole No.

DP03

Sheet 1 of 1

Project Name: THE MANCHESTER CITY
CENTRE COLLEGE (PHASE 2)Project No.
C5049

Co-ords: -

Hole Type
DCP

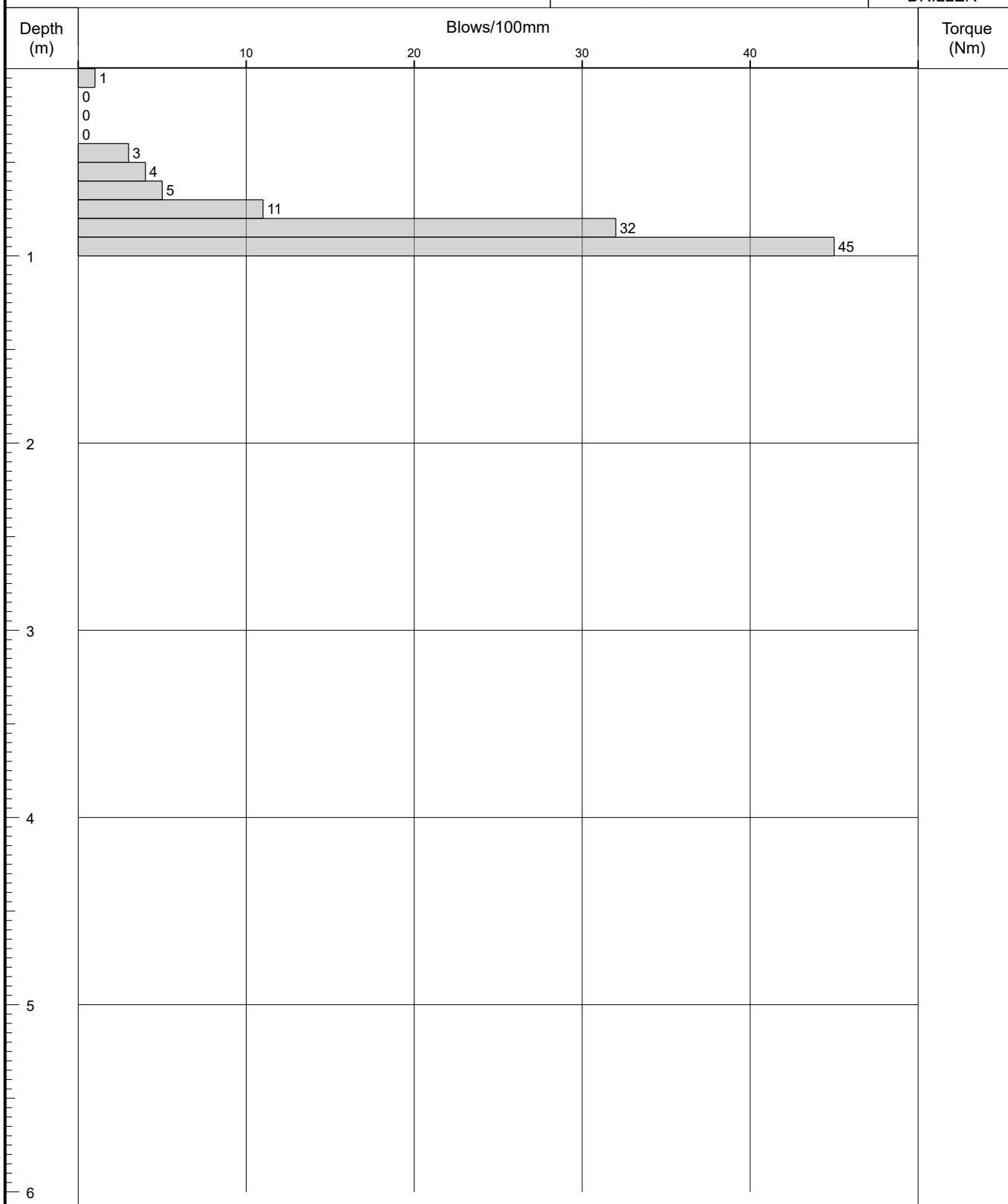
Location: MANCHESTER

Level:

Scale
1:30

Client: THE MANCHESTER COLLEGE

Dates: 24/02/2023 - 24/02/2023

Logged By
DRILLER

Remarks

- Service Clearance by BSL Engineer using GPR.
- Dynamic probe terminated on refusal.

Fall Height 500

Cone Base Diameter

Hammer Wt 64

Final Depth 0.90

Probe Type DPSH- A

Log Scale 1:30





Probe Log

Borehole No.

DP04

Sheet 1 of 1

Project Name: THE MANCHESTER CITY
CENTRE COLLEGE (PHASE 2)Project No.
C5049

Co-ords: -

Hole Type
DCP

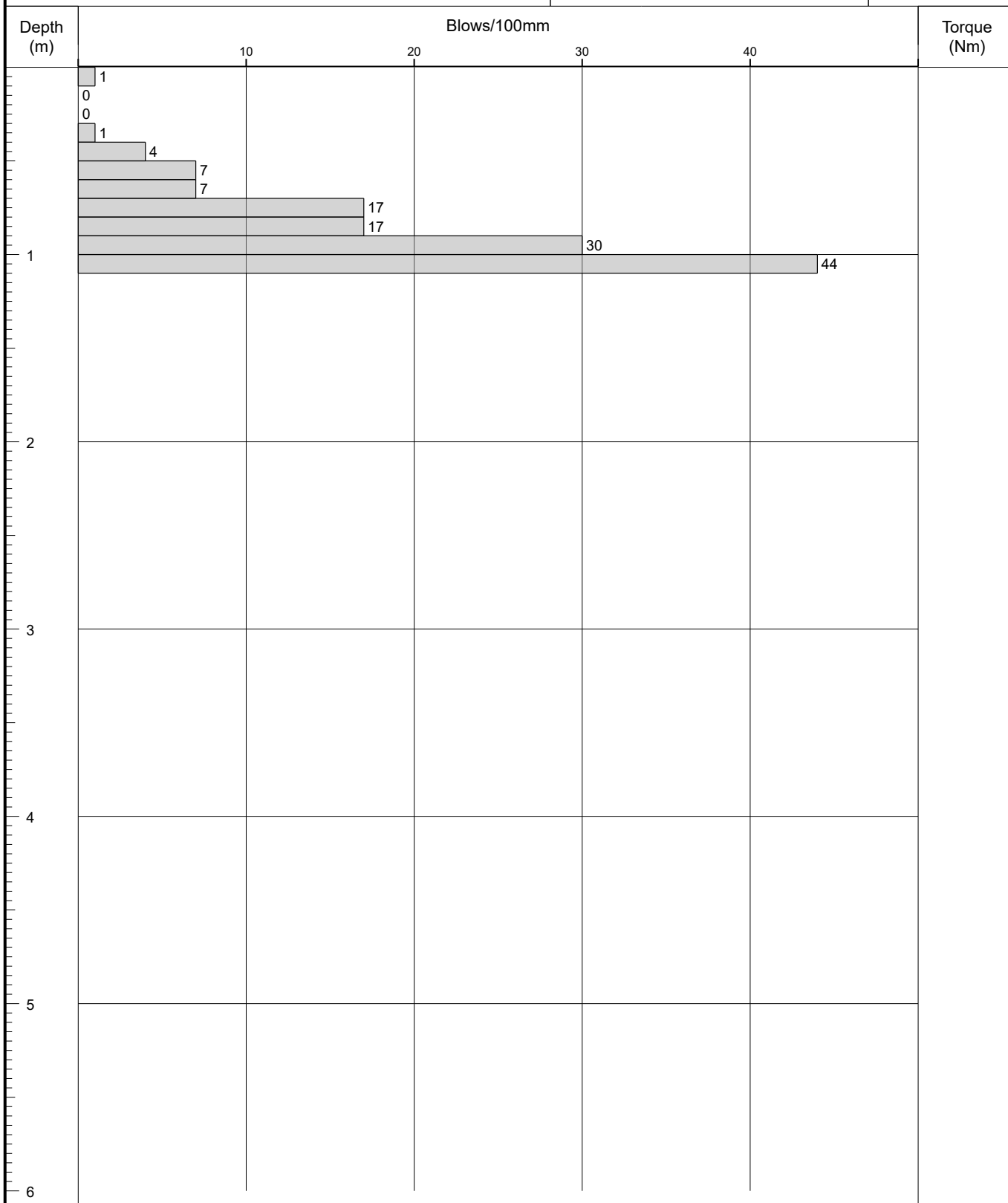
Location: MANCHESTER

Level:

Scale
1:30

Client: THE MANCHESTER COLLEGE

Dates: 24/02/2023 - 24/02/2023

Logged By
DRILLER

Remarks

- Service Clearance by BSL Engineer using GPR.
- Dynamic probe terminated on refusal.

Fall Height 500

Cone Base Diameter

Hammer Wt 64

Final Depth 1.00

Probe Type DPSH- A

Log Scale 1:30





Probe Log

Borehole No.

DP05

Sheet 1 of 1

Project Name: THE MANCHESTER CITY
CENTRE COLLEGE (PHASE 2)Project No.
C5049

Co-ords: -

Hole Type
DCP

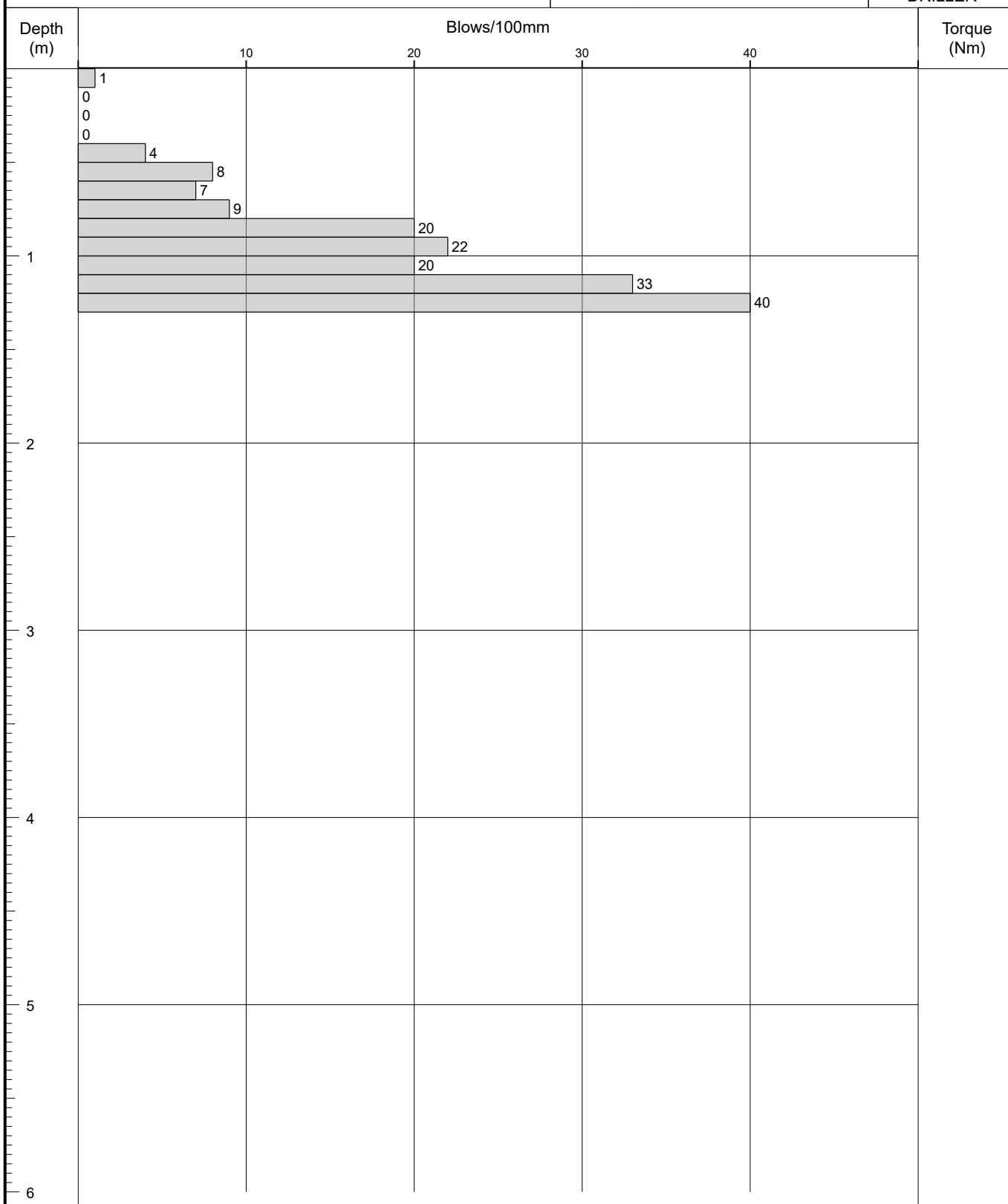
Location: MANCHESTER

Level:

Scale
1:30

Client: THE MANCHESTER COLLEGE

Dates: 24/02/2023 - 24/02/2023

Logged By
DRILLER

Remarks

- Service Clearance by BSL Engineer using GPR.
- Dynamic probe terminated on refusal.

Fall Height 500

Cone Base Diameter

Hammer Wt 64

Final Depth 1.20

Probe Type DPSH- A

Log Scale 1:30





Probe Log

Borehole No.

DP06

Sheet 1 of 1

Project Name: THE MANCHESTER CITY CENTRE COLLEGE (PHASE 2)

Project No. C5049

Co-ords: -

Hole Type DCP

Location: MANCHESTER

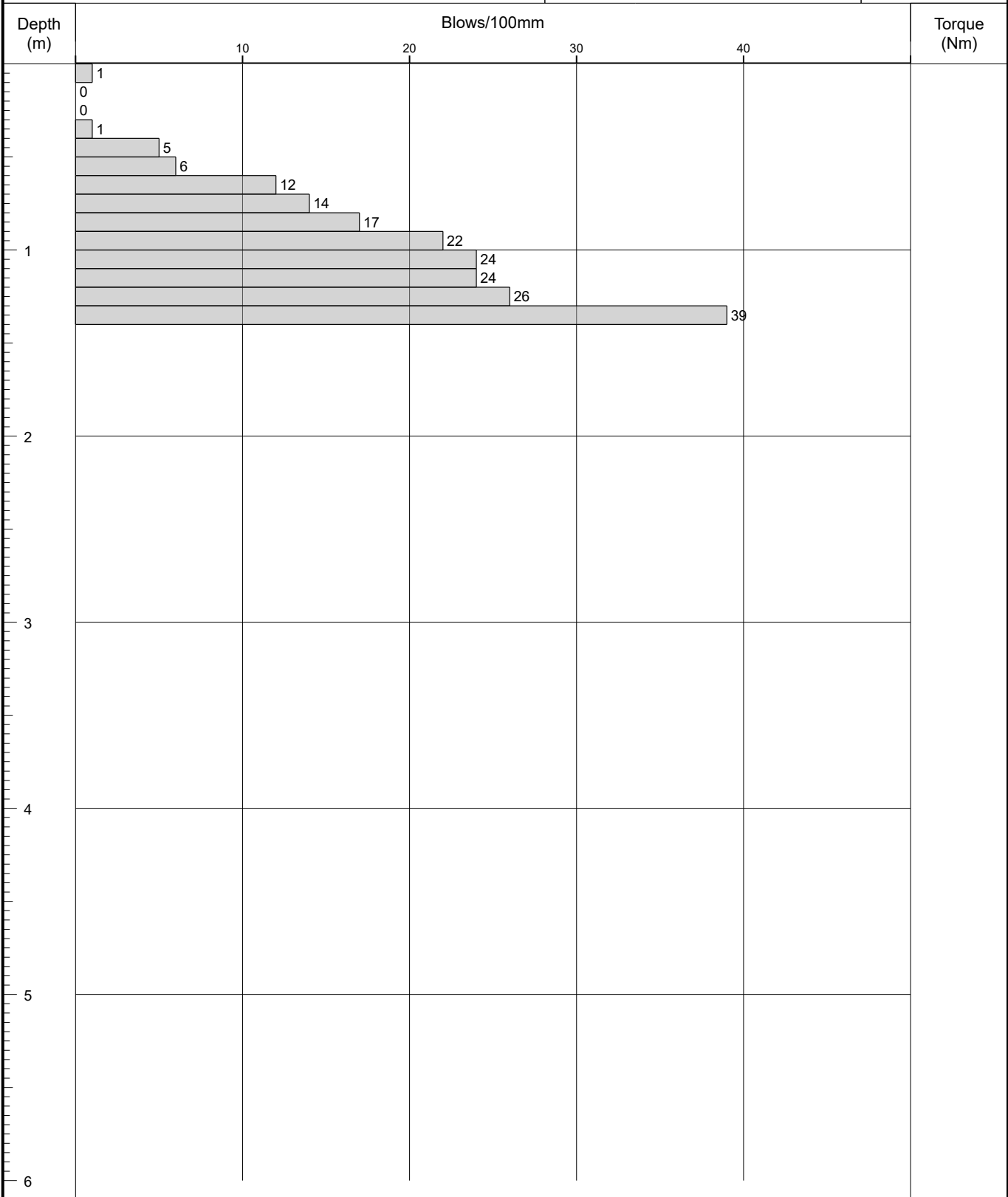
Level:

Scale 1:30

Client: THE MANCHESTER COLLEGE

Dates: 24/02/2023 - 24/02/2023

Logged By DRILLER



Remarks
1. Service Clearance by BSL Engineer using GPR.
2. Dynamic probe terminated on refusal.

Fall Height	500	Cone Base Diameter	
Hammer Wt	64	Final Depth	1.40
Probe Type	DPSH- A	Log Scale	1:30





Probe Log

Borehole No.

DP07

Sheet 1 of 1

Project Name: THE MANCHESTER CITY
CENTRE COLLEGE (PHASE 2)Project No.
C5049

Co-ords: -

Hole Type
DCP

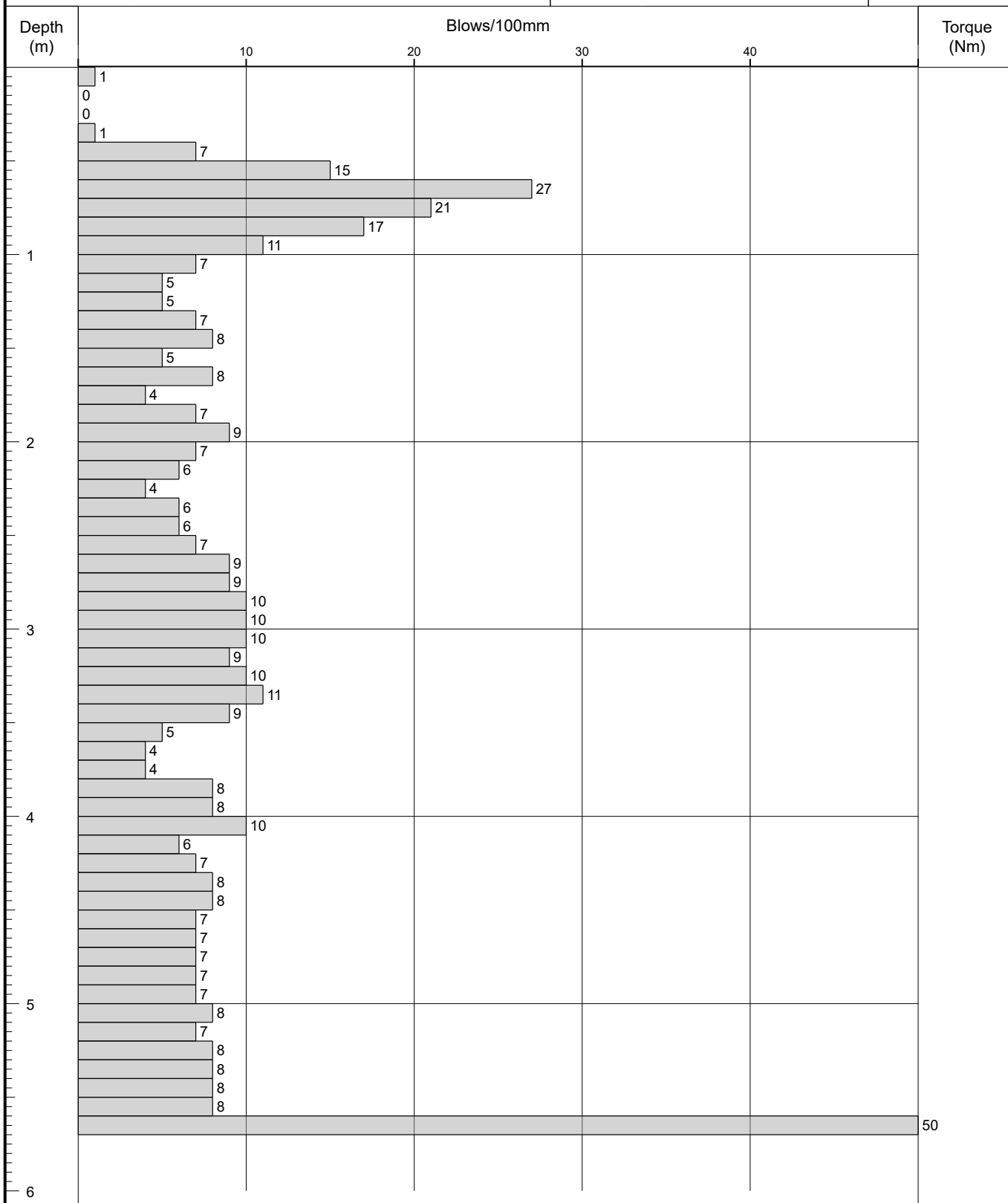
Location: MANCHESTER

Level:

Scale
1:30

Client: THE MANCHESTER COLLEGE

Dates: 24/02/2023 - 24/02/2023

Logged By
DRILLER

Remarks

- Service Clearance by BSL Engineer using GPR.
- Dynamic probe terminated on refusal.

Fall Height 500

Cone Base Diameter

Hammer Wt 64

Final Depth 5.69

Probe Type DPSH- A

Log Scale 1:30





Probe Log

Borehole No.

DP08

Sheet 1 of 1

Project Name: THE MANCHESTER CITY
CENTRE COLLEGE (PHASE 2)Project No.
C5049

Co-ords: -

Hole Type
DCP

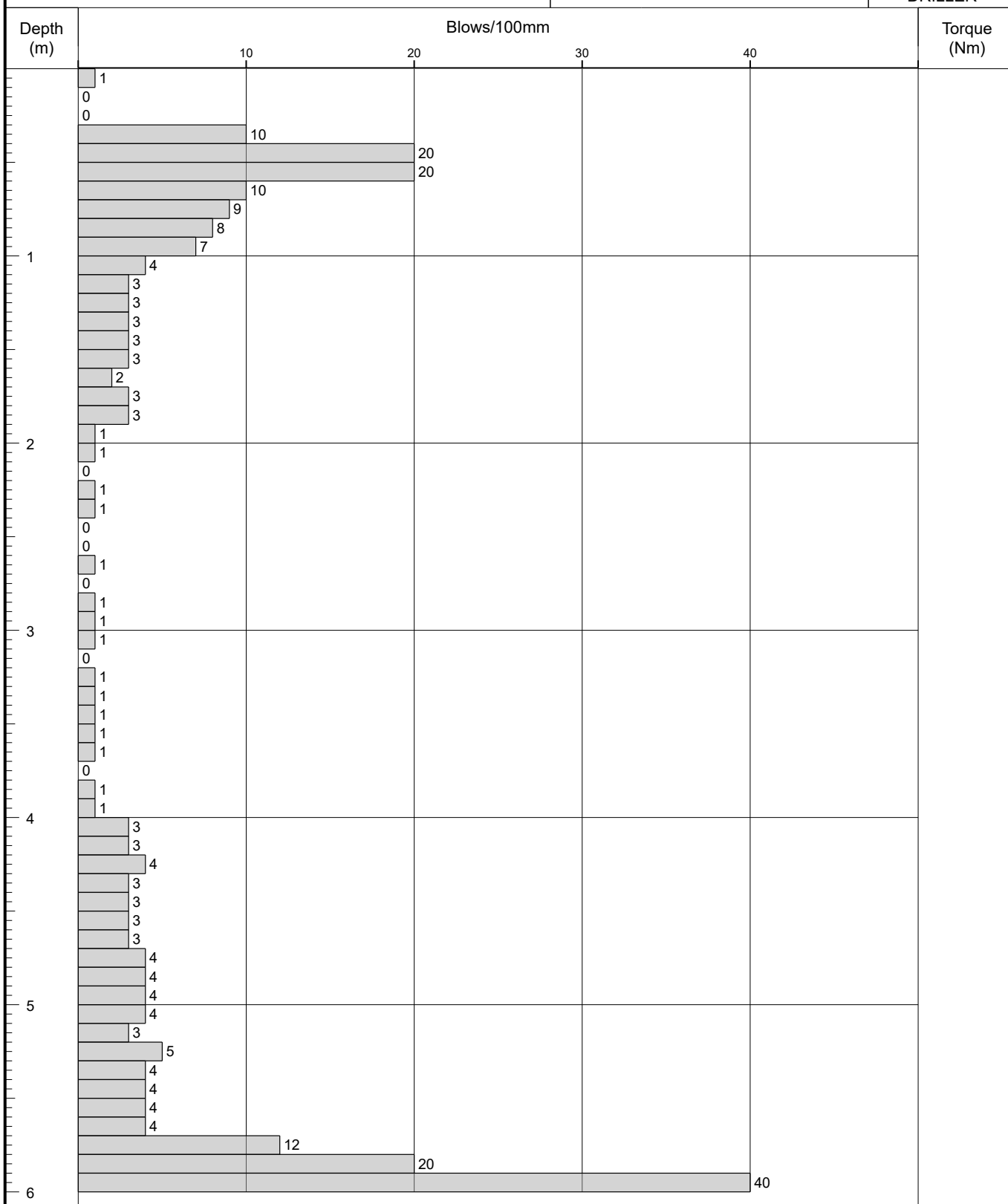
Location: MANCHESTER

Level:

Scale
1:30

Client: THE MANCHESTER COLLEGE

Dates: 24/02/2023 - 24/02/2023

Logged By
DRILLER

Remarks

- Service Clearance by BSL Engineer using GPR.
- Dynamic probe terminated on refusal.

Fall Height 500

Cone Base Diameter

Hammer Wt 64

Final Depth 5.90

Probe Type DPSH- A

Log Scale 1:30

