

APPENDIX B

Trial Pit logs

Project Title: ECMWF - New Headquarters - CBRs							Status: FINAL		Location ID SW101		 Card Geotechnics Limited, 12 Melcombe Place, London, NW1 6JJ www.cgl-uk.com	
Client: Mace Construct Limited							Location Type: Trial pit/trench					
Method and Plant Used				Groundwater								
From (m)	To (m)	Type	Plant Used	Strike (m)	Time (min)	Rose To						
0.00	0.59	TP	Mini Digger									
							Coords: 474178.925E/171792.928N Level: 66.689m					
							Final Depth: 0.59 m					
							Orientation: 0° Inclination: 90°					
							Date Start: 20/02/2024 Date End: 20/02/2024					
							Sheet 1 of 1					
Samples & Tests				Water Level (m)	Legend	Strata Depth (m)	Level (m)	Strata Description			Inst/ Backfill (m)	Depth (m)
Sample Depth (m)	Type/ Ref	Tests/Results										
0.40 - 0.59	B 1					0.40	66.29	Grass over dark grey slightly gravelly slightly sandy clay/silt. Gravel is subangular to subrounded fine to coarse of flint. Rare subangular to subrounded fine to medium gravel of charcoal and red brick fragments. [MADE GROUND]				
						0.59	66.10	Dark grey silty GRAVEL. Gravel is subangular to subrounded fine to coarse of flint. [BYON HILL MEMBER]				
					EOH at 0.59m - Terminated as target depth reached							
												1
												2

Notes:

1. Topsoil scraped back and placed aside in order to undertake trial pit excavation.

2. Infiltration test carried out in accordance to BRE 365.

3. Trial pit was stable during testing.

4. Trial pit was backfilled with arisings and topsoil was reinstated to original state.

5. Weather: Overcast / Dry

Soakaway Tests

Test No.	Date	Duration (hh:mm)	Infiltration Rate
1	20/02/2024	02:00	0.00001840 m/s
2	20/02/2024	02:17	0.00001220 m/s
3	20/02/2024	01:00	0.00001300 m/s

Pit Details

Stability	Shoring	Length (m)	Width (m)
Stable		1.00	0.50

Scale: 1:10

Logged By: SJP

Checked By: JSB

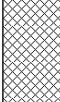
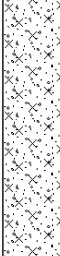
Approved By: MPC

Section ID:

CGL Reference

CGL_10078A

Project Title: ECMWF - New Headquarters - CBRs						
Client: Mace Construct Limited						
Method and Plant Used				Groundwater		
From (m)	To (m)	Type	Plant Used	Strike (m)	Time (min)	Rose To
0.00	0.80	TP	Mini Digger	0.80	-	-
Status: FINAL						
Location ID SW102						
Location Type: Trial pit/trench						
Coords: 474204.907E/171742.705N Level: 66.601m						
Final Depth: 0.80 m						
Orientation: 0° Inclination: 90°						
Date Start: 22/02/2024 Date End: 22/02/2024						
Sheet 1 of 1						
Samples & Tests			Water Level (m)	Legend	Strata Depth (m)	Level (m)
Sample Depth (m)	Type/Ref	Tests/Results				
0.40 - 0.80	B 1			0.05	66.55	Dark grey PAVING MATERIAL. [MADE GROUND]
				0.40	66.20	Dark grey to reddish grey gravel. Gravel is subangular to subrounded crushed road paving and red brick fragments. Occasional cobbles of red brick. [MADE GROUND]
						Greyish yellow to yellow slightly gravelly silty SAND. Sand is fine to medium. Gravel is subangular to subrounded fine to coarse of flint. [BYON HILL MEMBER]
				0.80	65.80	
EOH at 0.80m - Terminated as target depth reached						
Notes:						
Soakaway Tests						
Scale: 1:10						
Test No.						
Date						
Duration (hh:mm)						
Infiltration Rate						
Logged By: SJF						
Checked By: JSB						
Approved By: MPC						
Pit Details						
Section ID:						
Stability						
Shoring						
Length (m)						
Width (m)						
CGL Reference						
CGL 10078A						

Project Title: ECMWF - New Headquarters - CBRs							Status: FINAL		Location ID SW103		 Card Geotechnics Limited, 12 Melcombe Place, London, NW1 6JJ www.cgl-uk.com			
Client: Mace Construct Limited							Location Type: Trial pit/trench Coords: 474188.703E/171710.752N Level: 66.620m Final Depth: 0.80 m Orientation: 0° Inclination: 90° Date Start: 22/02/2024 Date End: 22/02/2024							
Method and Plant Used				Groundwater										
From (m)	To (m)	Type	Plant Used	Strike (m)	Time (min)	Rose To								
0.00	0.80	TP	Mini Digger	0.80	-	-								
Sheet 1 of 1														
Samples & Tests				Water Level (m)	Legend	Strata Depth (m)	Level (m)	Strata Description			Inst/ Backfill	Depth (m)		
Sample Depth (m)	Type/ Ref	Tests/Results												
0.40 - 0.80	B 1				0.05	66.57	Dark grey PAVING MATERIAL. [MADE GROUND]							
							Dark grey to reddish grey gravel. Gravel is subangular to subrounded crushed road paving and red brick fragments. [MADE GROUND]							
					0.20	66.42	Dark grey slightly gravelly sandy clay. Sand is fine to medium. Gravel is subangular to subrounded fine to medium crushed road paving. [MADE GROUND]							
					0.40	66.22	Dark grey slightly gravelly sandy clay. Sand is fine to medium. Gravel is subangular to subrounded fine to medium crushed road paving. [MADE GROUND]							
							Greyish yellow to yellow slightly gravelly silty SAND. Sand is fine to medium. Gravel is subangular to subrounded fine to coarse of flint. [BYON HILL MEMBER]							
								EOH at 0.80m - Terminated as target depth reached						
Notes:														
1. Infiltration test carried out in accordance to BRE 365. 2. Trial pit was stable during testing. 3. Groundwater was encountered at 0.80m. No rise was recorded 4. Weather: Heavy rain/showers. 5. Infiltration test was incomplete due to slow infiltration rates and time constraints.								Soakaway Tests				Scale: 1:10		
								Test No.	Date	Duration (hh:mm)	Infiltration Rate	Logged By: SJP		
												Checked By: JSB		
												Approved By: MPC		
								Pit Details				Section ID:		
								Stability		Shoring	Length (m)	Width (m)	CGL Reference CGL_10078A	
								Stable			1.00	0.50		

Project Title: ECMWF - New Headquarters - CBRs				Status: FINAL		Location ID SW104		 Card Geotechnics Limited, 12 Melcombe Place, London, NW1 6JJ www.cgl-uk.com			
Client: Mace Construct Limited											
Method and Plant Used				Groundwater							
				Location Type: Trial pit/trench							
				Coords: 474107.207E/171677.546N Level: 66.202m							
From (m)	To (m)	Type	Plant Used	Strike (m)	Time (min)	Rose To	Final Depth: 1.00 m		Orientation: 0° Inclination: 90°		
0.00	1.00	TP	Mini Digger	1.00	-	-	Date Start: 21/02/2024 Date End: 21/02/2024				
Samples & Tests				Water Level (m)	Legend	Strata Depth (m)	Level (m)	Strata Description		Inst/ Backfill (m)	Depth (m)
Sample Depth (m)	Type/ Ref	Tests/Results									
0.60 - 1.00	B 1				0.40	65.80	Grass over dark grey slightly gravelly slightly sandy clay/silt. Gravel is subangular to subrounded fine to coarse of flint. Rare subangular to subrounded fine to medium gravel of charcoal and red brick fragments. [MADE GROUND]				
							Dark grey silty gravel. Gravel is subangular to subrounded fine to coarse of flint and red brick fragments. [MADE GROUND]				
							Greyish yellow to yellow slightly gravelly silty SAND. Sand is fine to medium. Gravel is subangular to subrounded fine to coarse of flint. [BYON HILL MEMBER]				
				1.00	65.20	EOH at 1.00m - Terminated as target depth reached					
Notes: 1. Topsoil scraped back and placed aside in order to undertake trial pit excavation. 2. Infiltration test carried out in accordance to BRE 365. 3. Trial pit was stable during testing. 4. Trial pit was backfilled with arisings and topsoil was reinstated to original state. 5. Groundwater was encountered at 1.00m. No rise was recorded. 6. Weather: Heavy rain / showers. 7. Infiltration test was incomplete due to slow infiltration rates and time constraints.											
				Soakaway Tests				Scale: 1:10			
				Test No.	Date	Duration (hh:mm)	Infiltration Rate	Logged By: SJP			
								Checked By: JSB			
								Approved By: MPC			
				Pit Details				Section ID:			
				Stability		Shoring	Length (m)	Width (m)	CGL Reference		
				Stable			1.00	0.50	CGL_10078A		

Project Title: ECMWF - New Headquarters - CBRs							Status: FINAL		Location ID: SW105		 Card Geotechnics Limited, 12 Melcombe Place, London, NW1 6JJ www.cgl-uk.com			
Client: Mace Construct Limited							Location Type: Trial pit/trench							
Method and Plant Used				Groundwater										
From (m)	To (m)	Type	Plant Used	Strike (m)	Time (min)	Rose To								
0.00	0.90	TP	Mini Digger	0.90	-	-								
							Coords: 474135.617E/171745.579N		Level: 66.505m					
									Final Depth: 0.90 m					
							Orientation: 0°		Inclination: 90°					
							Date Start: 20/02/2024		Date End: 20/02/2024		Sheet 1 of 1			
Samples & Tests				Water Level (m)	Legend	Strata Depth (m)	Level (m)	Strata Description				Inst/Backfill (m)	Depth (m)	
Sample Depth (m)	Type/Ref	Tests/Results												
0.46 - 0.90	B 1					0.46	66.04	Grass over dark grey slightly gravelly slightly sandy clay/silt. Gravel is subangular to subrounded fine to coarse of flint. Rare subangular to subrounded fine to medium gravel of charcoal and red brick fragments. [MADE GROUND]						
						0.90	65.60	Greyish yellow to yellow slightly gravelly silty SAND. Sand is fine to medium. Gravel is subangular to subrounded fine to coarse of flint. [BYON HILL MEMBER]						
EOH at 0.90m - Terminated as target depth reached														