

Earth Science Partnership

Consulting Engineers | Geologists | Environmental Scientists

Excavation method/plant:

JCB-3CX Wheeled Excavator

Shoring/support:

None.

TP101

Project Name:

Flying Start, Dowlais Primary School

Site Location:

Dowlais

Client:

MTCBC

Project No:

7485d

Excavation date:

19/05/2020

Backfill date:

20/05/2020

Logged by:

ESP-AB

Plan details:

0.80

Face B

Face A

Face C

2.50

Face Stability:

Sidewall collapse in Glacial Deposits prior to an during soakaway testing.

Groundwater observations:

Groundwater Seepage at 2.0m.

Survey details:

Ground Level:

323.7 mOD

Easting:

307005 mOD

Northing:

207974 mOD

Bearing:

Depth		Sample		Test Details		Strata Details		
m	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend
0.25	ES				Grass surface followed by: Soft dark brown mottled black slightly gravelly sandy SILT. Sand is fine to coarse, gravel is fine angular to subrounded consisting of mudstone. Abundant rootlets. (MADE GROUND - TOPSOIL)	(0.15) 0.15	323.55	
0.50	ES				Black gravelly silty clayey fine to coarse SAND with low cobble content. Gravel is fine to coarse angular to subrounded consisting of brick fragments, coal and mudstone. Mudstone cobbles are subrounded ranging in size from 60mm to 180mm. Rare glass bottles and piping. Rare rootlets. (MADE GROUND)	(0.25) 0.40	323.30	
0.75	B D				Soft brown mottled orange slightly gravelly slightly sandy silty CLAY with medium cobble content and low boulder boulder content. Gravel is fine to coarse angular to subrounded consisting of mudstone and sandstone. Mudstone and sandstone cobbles are subangular to subrounded. Sandstone boulders are subangular ranging in size from 200mm to 350mmm. (GLACIAL DIAMICTON)	1.0		
1.30	ES					(1.70)		
1.50	D					2.0		
					End of Trialpit at 2.100m	2.10	321.60	
						3.0		

Weather and environmental conditions:

1. Sunny

Other comments:

1. Grid reference and ground level taken from topographic survey and are approximate.
2. Trial pit excavated by JCB 3CX.
3. Trial pit terminated at 2.1m for BRE soakaway infiltration test.
4. Soakaway fenced off and left overnight to drain.
5. Pit backfilled with arisings on completion.

Project Name: Flying Start, Dowlais Primary School

Site Location: Dowlais

Client: MTCBC

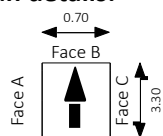
Project No: 7485d

Excavation date: 19/05/2020

Backfill date: 20/05/2020

Logged by: ESP-AB

Plan details:

**Face Stability:**

Sidewall collapse in Glacial Deposits prior to and during soakaway testing.

Groundwater observations:

Groundwater Seepage at 2.2m.

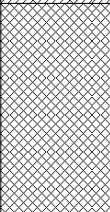
Survey details:

Ground Level: 323.5 mOD

Easting: 307025 mOD

Northings: 207955 mOD

Bearing:

Depth m	Sample		Test Details		Strata Details			
	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend
0.30	ES				Grass surface followed by: Soft dark brown mottled black slightly gravelly sandy clayey SILT. Sand is fine to coarse, gravel is fine to medium subangular to subrounded consisting of mudstone. Abundant rootlets. (MADE GROUND - TOPSOIL)	(0.10) 0.10	323.40	
0.60	ES				Black gravelly clayey fine to coarse SAND with low cobble content. Gravel is fine to coarse angular to subrounded consisting of brick fragments, coal and mudstone. Mudstone cobbles are subraounded ranging in size from 66mm to 130mm. Rare glass bottles. Rare rootlets. (MADE GROUND)	(0.60)		
0.80	D				Soft brown mottled orange slightly sandy slightly gravelly silty CLAY with medium to high cobble content and low boulder content. Deposit becomes coarser with depth, with the fine grained content reducing. Gravel is fine to coarse angular to subrounded consisting of mudstone and sandstone. Sandstone and mudstone cobbles are subangular to subrounded ranging in size from around 65mm to 140mm. Sandstone boulders are subangular ranging in size from around 300mm to 820mm. (GLACIAL DIAMICTON)	0.70	322.80	
0.85	ES					1.0		
1.40	D					(2.10) 2.0		
2.80	B				End of Trialpit at 2.800m	2.80	320.70	
						3.0		

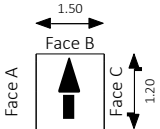
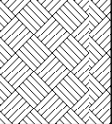
Weather and environmental conditions:

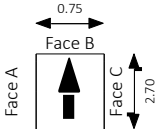
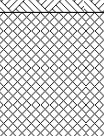
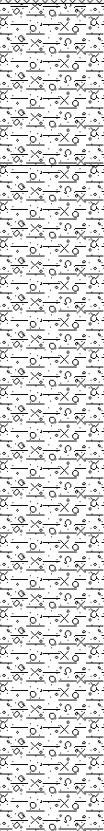
1. Sunny

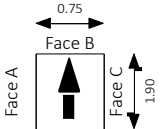
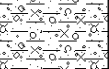
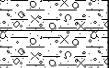
Other comments:

1. Grid reference and ground level taken from topographic survey and are approximate.
2. Trial pit excavated by JCB 3CX.
3. Trial pit terminated at 2.8m for BRE soakaway infiltration test.
4. Soakaway fenced off and left overnight to drain.
5. Pit backfilled with arisins on completion.

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: JCB-3CX Wheeled Excavator		Shoring/support: None.		TP103						
Project Name: Flying Start, Dowlais Primary School				Excavation date: 19/05/2020										
Site Location: Dowlais				Backfill date: 19/05/2020										
Client: MTCBC				Logged by: ESP-AB										
Project No: 7485d				Plan details: 0.80 Face B Face A Face C 2.50		Face Stability: Sidewall collapse in Glacial Deposits.		Groundwater observations: Groundwater Seepage at 1.7m.						
Survey details: Ground Level: 323.7 mOD Easting: 307030 mOD Northing: 207974 mOD Bearing:														
Depth		Sample		Test Details		Strata Details								
m		Type		Class		Type		Result		Description		Depth (thickness)	mOD	Legend
0.10		ES								Grass surface followed by: Soft dark brown mottled black slightly gravelly sandy clayey SILT. Sand is fine to coarse, gravel is fine angular to subrounded consisting of mudstone. Abundant rootlets. (MADE GROUND - TOPSOIL)		(0.15)	323.55	
0.20		ES								Black gravelly silty clayey fine to coarse SAND with low cobble content. Gravel is fine to coarse subangular to subrounded consisting of brick fragments, glass fragments and mudtone. Mudstone cobbles are subrounded ranging in size from 60mm to 100mm. Rare brick and china. (MADE GROUND)		(0.65)		
0.55		ES								Soft brown mottled orange slightly sandy slightly gravelly silty CLAY with medium cobble content and low boulder content. Sand is fine to coarse, gravel is fine to coarse angular to subrounded consisting of mudstone and sandstone. Mudstone and sandstone cobbles are subangular to subrounded ranging is size from 65mm to 120mm. Sandstone boulders are subangular ranging in size from around 300mm to 450mm. (GLACIAL DIAMICTON)		(0.80)	322.90	
0.75		D										1.0		
1.00		ES										(1.30)	321.60	
1.30		D										2.0		
2.10		B								End of Trialpit at 2.100m		2.10		
												3.0		
Weather and environmental conditions:														
1. Sunny														
Other comments:														
1. Grid reference and ground level taken from topographic survey and are approximate.														
2. Trial pit excavated by JCB 3CX.														
3. Trial pit terminated at 2.1m														
4. Pit backfilled with arisings on completion.														

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: JCB-3CX Wheeled Excavator		Shoring/support: None.		TP104		
Project Name: Flying Start, Dowlais Primary School				Excavation date: 20/05/2020		Groundwater observations: No groundwater observed.				
Site Location: Dowlais				Backfill date: 20/05/2020						
Client: MTCBC				Logged by: ESP-AB						
Project No: 7485d				Plan details: 						
Survey details: Ground Level: 323.8 mOD Easting: 307032 mOD Northing: 207987 mOD Bearing:				Face Stability: Stable.						
Depth		Sample		Test Details		Strata Details				
m		Type	Class	Type	Result	Description		Depth (thickness)	mOD	Legend
0.15		ES				Grass surface followed by: Soft dark brown slightly gravelly sandy SILT. Gravel is fine to medium angular to subrounded consisting of mudstone. Abundant rootlets. (MADE GROUND - TOPSOIL) End of Trialpit at 0.200m		(0.35)		
								0.35	323.45	
								1.0		
								2.0		
								3.0		
Weather and environmental conditions:										
1. Sunny										
Other comments:										
1. Grid reference and ground level taken from topographic survey and are approximate. 2. Trial pit excavated by JCB 3CX. 3. Trial pit constructed to collect shallow Topsoil sample only (terminated at 0.2m). 4. Pit backfilled with arisings on completion.										

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: JCB-3CX Wheeled Excavator		Shoring/support: Gravel Fill		TP201		
Project Name: Flying Start, Dowlais Primary School				Excavation date: 20/07/2020						
Site Location: Dowlais				Backfill date: 27/07/2020						
Client: MTCBC				Logged by: ESP-AB						
Project No: 7485d				Plan details: 		Face Stability: Stabilised with aggregate fill for BRE soakaway test.		Groundwater observations: Groundwater Seepage at 2.2m.		
Survey details: Ground Level: 323.5 mOD Easting: 307020 mOD Northing: 207957 mOD Bearing:										
Depth		Sample		Test Details		Strata Details				
m		Type	Class	Type	Result	Description		Depth (thickness)	mOD	Legend
0.30		ES				Grass surface followed by: Soft dark brown sandy clayey SILT. Abundant rootlets. (MADE GROUND - TOPSOIL)		(0.05)	323.45	
						Black gravelly silty clayey fine to coarse SAND with low cobble content. Gravel is fine to coarse angular to subrounded consisting of brick fragments, coal and mudstone. Mudstone cobbles ranging in size from around 60mm to 177mm. Rare rootlets. (MADE GROUND)		(0.35)	323.10	
						Soft light grey mottled black sandy gravelly CLAY with low cobble content. Sand is fine to coarse, gravel is fine to coarse angular to subrounded consisting of sandstone and mudstone. Mudstone and sandstone cobbles are angular to subangular ranging in size from 60mm to 140mm. (GLACIAL DIAMICTON)		(0.40)	322.65	
1.20		D				Soft brown mottled orange slightly sandy slightly gravelly silty CLAY with medium to high cobble content and low boulder content. Deposit becomes coarser with depth, with the fine grained content reducing. Gravel is fine to coarse angular to subrounded consisting of mudstone and sandstone. Mudstone and sandstone cobbles are subangular to subrounded ranging in size from around 60mm to 195mm. Sandstone boulders are subangular ranging in size from around 250mm to 700mm. (GLACIAL DIAMICTON)		(0.45)		
								0.85		
								1.0		
								(1.85)		
								2.0		
2.70		B				End of Trialpit at 2.700m		2.70	320.80	
								3.0		
Weather and environmental conditions:										
1. Sunny										
Other comments:										
1. Grid reference and ground level taken from topographic survey and are approximate.										
2. Trial pit excavated by JCB 3CX.										
3. Trial pit terminated at 2.7m for BRE soakaway infiltration test.										
4. Soakaway fenced off and left overnight to drain.										
5. Trial Pit filled with gravel to ensure stability during soakaway testing										
6. Groundwater Seepage at 2.2m 7. Pit backfilled with arisings on completion.										

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: JCB-3CX Wheeled Excavator		Shoring/support: Gravel Fill		TP202	
Project Name: Flying Start, Dowlais Primary School				Excavation date: 20/07/2020		Groundwater observations: No groundwater observed.			
Site Location: Dowlais				Backfill date: 27/07/2020					
Client: MTCBC				Logged by: ESP-AB					
Project No: 7485d				Plan details: 					
Survey details: Ground Level: 323.7 mOD Easting: 307010 mOD Northing: 207973 mOD Bearing:									
Depth		Sample		Test Details		Strata Details			
m	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend	
0.35	ES				Grass surface followed by: Soft dark brown sandy clayey SILT. Sand is fine to coarse. Abundant rootlets. (MADE GROUND - TOPSOIL)	(0.20)	323.50		
					Black gravelly silty clayey fine to coarse SAND with low cobble content. Gravel is fine to coarse angular to subrounded. Mudstone cobbles are subrounded ranging in size from around 60mm to 110mm. Rare glass, china and brick. Rare rootlets. (MADE GROUND)	0.20 (0.15) 0.35			
					Soft light grey mottled black slightly sandy slightly gravelly CLAY with low cobble content. Gravel is fine to coarse angular to subrounded consisting of sandstone and mudstone. Mudstone and sandstone cobbles are angular to subangular ranging in size from around 75mm to 190mm. (GLACIAL DIAMICTON)	(0.50)			
1.40	D				Soft brown mottled orange slightly sandy slightly gravelly silty CLAY with low cobble and boulder content. Gravel is fine to coarse angular to subrounded consisting of mudstone and sandstone. Mudstone and sandstone cobbles are subangular to subrounded ranging in size from around 65mm to 180mm. Sandstone boulders are subangular ranging in size from around 200mm to 480mm. (GLACIAL DIAMICTON)	0.85 1.0 (1.25)	322.85		
2.10	B				End of Trialpit at 2.100m	2.10	321.60		
						3.0			
Weather and environmental conditions:									
1. Sunny									
Other comments:									
1. Grid reference and ground level taken from topographic survey and are approximate.									
2. Trial pit excavated by JCB 3CX.									
3. Trial pit terminated at 2.1m for BRE soakaway infiltration test.									
4. Soakaway fenced off and left overnight to drain									
5. Trial Pit filled with gravel to ensure stability during soakaway testing									
6. Pit backfilled with arisings on completion.									