
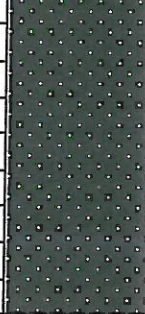


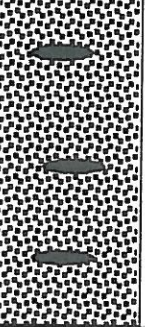

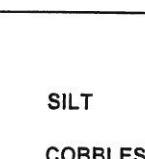
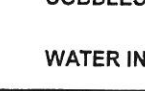











































Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GBS 3 1 of 2					
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	01 st June, 2006		
						Project:	Contract J Drehid	Logged by:	Leo Brogan		
				TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	17 tonne track machine				
						Description	Interpretation				
GBS3-A (0-1.3m)		Backfilled with excavated material		0.40		Brown to black, wet, muddy peat with roots.	PEAT				
					0.5		Red to brown, dryish, fibrous PEAT with woody fibres. H3-H5	PEAT			
					1.3		Soft to firm, greeney grey, very sandy, gravelly SILT with clay and some organic material.	SILT			
GBS3-1 (1.6-2.6m)					1.5		Medium dense, greeney grey, very sandy GRAVEL (subangular to subrounded, fine to coarse) with pockets of brown clay.	GRAVEL			
GBS3-2 (2.6-3.6m)				2.0		Grey, medium dense, very sandy GRAVEL with abundant cobbles.	GRAVEL				
				2.5							
				2.6							
				3.0							
				3.5							
Comments						 <p>TES CONSULTING ENGINEERS</p> <p>TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie</p>					
Legend											
CLAY		SILT									
GRAVEL		COBBLES									
PEAT		WATER INGRESS									

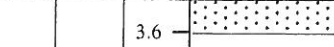







Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GBS3 2 of 2			
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	01 st June, 2006
						Project:	Contract 1 Drehid	Logged by:	Leo Brogan
						TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	Track Machine
						Description	Interpretation		
				3.6 4.0		Trial Pit terminated at 3.6m		GRAVEL	
Comments						 <p>CONSULTING ENGINEERS</p> <p>TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie</p>			
Water inflow at 2.2m. Extensive sidewall collapse below 2.5m. Pit Plan Dimensions 0.7m x 3m.									
Legend									
CLAY		SILT							
GRAVEL		COBBLES							
PEAT		WATER INGRESS							

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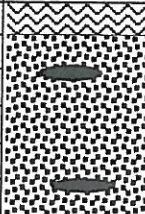







Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GBS 5 1 of 2				
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	01 st June, 2006	
						Project:	Contract 1 Drehid	Logged by:	Leo Brogan	
				TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	17 tonne track machine			
						Description	Interpretation			
GBCS-A (0-2.1)		Backfilled with excavated material		0.40		Brown to black, wet, milled peat with roots. H1-H4	PEAT			
				0.5		1.0	Red to brown, fibrous PEAT with wood trunk at 1.1m. H3-H5	PEAT		
GBCS-1 (2.1-3.1)					1.5		Loose, brown to green, very sandy, silty GRAVEL (subangular to subrounded, fine to coarse) with occasional cobbles.	GRAVEL		
GBCS-2 (3.1-3.8m)				2.0	2.1					
				2.5	3.0	3.2				
				3.5						
Comments						 TES CONSULTING ENGINEERS				
Legend										
CLAY		SILT								
GRAVEL		COBBLES								
PEAT		WATER INGRESS								
						TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie				

Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GBS5 2 of 2			
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	01 st June, 2006
						Project:	Contract 1 Drehid	Logged by:	Leo Brogan
						TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	Track Machine
Description						Interpretation			
				3.8		SILT			
				4.0		Trial Pit terminated at 3.8m			
<p style="color: red; transform: rotate(-45deg); opacity: 0.5;">For inspection purposes only. Consent of copyright owner required for any other use.</p>									
Comments						 <p>CONSULTING ENGINEERS</p>			
<p>Water inflow at 2.7m. Extensive sidewall collapse below 2.5m. Pit Plan Dimensions 0.7m x 3m.</p>									
Legend						TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie			
CLAY		SILT							
GRAVEL		COBBLES							
PEAT		WATER INGRESS							









Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GBS 4 1 of 2		
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client: Bord Na Mona		Date excavated:
						Project: Contract 1 Drehid		Logged by:
TES File Reference: F: TES Current Projects \1342\Reports\Geology		Equipment used:		17 tonne track machine		01 st June, 2006		
				Description		Interpretation		
GBS4-A	(0-0.4m)	Backfilled with excavated material		0.40	Brown to black, wet, milled peat with roots and tree trunk. H1-H4	PEAT		
GBS4-1	(1.6-2.6)			0.5 1.0 1.5 1.6	Soft to firm, brown to green, v. gravelly (subangular to subrounded, fine to medium) CLAY with some organic material.	CLAY		
GBS4-2	(2.6-3.6m)			2.0 2.5 3.0 3.2 3.5	Loose, greeny grey, very gravelly (subangular to subrounded, fine to coarse), silty SAND with occasional cobbles.	SAND		
Comments						 TES CONSULTING ENGINEERS		
Legend						TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie		
CLAY		SILT						
GRAVEL		COBBLES						
PEAT		WATER INGRESS						

Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GBS4 2 of 2	
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	<i>Client:</i> Bord Na Mona	<i>Date excavated:</i> 01 st June, 2006
						<i>Project:</i> Contract 1 Drehid	<i>Logged by:</i> Leo Brogan
						<i>TES File Reference:</i> F: TES Current Projects \\1342\Reports\Geology	<i>Equipment used:</i> Track Machine
Description						Interpretation	
				3.6 4.0		SAND	
Trial Pit terminated at 3.6m							
<i>For inspection purposes only. Consent of copyright owner required for any other use.</i>							
Comments						 CONSULTING ENGINEERS	
Water inflow at 2m. Extensive sidewall collapse below 1.7m. Pit Plan Dimensions 0.7m x 3m.							
Legend						TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie	
CLAY		SILT					
GRAVEL		COBBLES					
PEAT		WATER INGRESS					

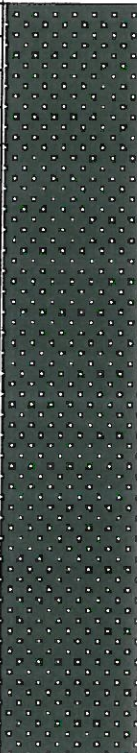







Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GBS 2 1of 1					
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	01 st June. 2006		
						Project:	Contract 1 Dreihid	Logged by:	Leo Brogan		
				TES File Reference:	F:\TES Current Projects \1342\Reports\Geology	Equipment used:	17 tonne track machine				
						Description	Interpretation				
GBS2-A (0-2.5)		Backfilled with excavated material	→	0.5 1.0 1.5 2.0 2.5 3.0 3.2 3.5		Brown to black, wet, milled peat with roots. H1-H4	PEAT				
						Red to brown, fibrous PEAT with wood fibres. H5-H7	PEAT				
							GRAVEL				
						Stiff, greeny grey, sandy, v. gravelly (fine to medium SA/SR) SILT with embedded.	SILT				
Comments											
Legend						TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie					
CLAY		SILT		GRAVEL		COBBLES		PEAT		WATER INGRESS	

Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GBS2 2 of 2				
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	01 st June, 2006	
						Project:	Contract 1 Drehid	Logged by:	Leo Brogan	
				TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	Track Machine			
						Description	Interpretation			
GBS2-1	(3.6-4.1m)			3.6		Loose, greeny grey, very sandy, silty GRAVEL (subangular to subrounded, fine to medium) with occasional cobbles and boulders.	GRAVEL			
				4.0						
				4.1		Trial Pit terminated at 4.1m				
<p style="color: red; transform: rotate(-45deg); opacity: 0.5;">Consent of copyright owner required for any other use.</p>										
Comments Water inflow at 1.6m. Extensive sidewall collapse below 2.5m. Pit Plan Dimensions 0.7m x 3m.						 TES CONSULTING ENGINEERS				
Legend						TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie				
CLAY		SILT								
GRAVEL		COBBLES								
PEAT		WATER INGRESS								

Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GBS 1 of 1				
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	01 st June, 2006	
						Project:	Contract 1 Drehid	Logged by:	Leo Brogan	
						TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	17 tonne track machine	
Description						Interpretation				
GBS1-A (0-2.3)		Backfilled with excavated material		0.4		Brown to black, wet, milled peat with roots. H1-H4	PEAT			
				0.5		Red to brown, very mossy fibrous PEAT with wood fibres.	PEAT			
				0.9 1.0		Light brown, well decomposed PEAT with wood roots and fibres. H5-H8	PEAT			
GBS1-I (2.3-3.3m)				2.0 2.5		Medium dense, grey, sandy (coarse) GRAVEL (fine to medium SA/SR) with occasional cobble. Cobble content increasing with depth	GRAVEL			
				3.0 3.5						
Comments						 TES CONSULTING ENGINEERS				
Legend										
CLAY		SILT								
GRAVEL		COBBLES								
PEAT		WATER INGRESS								
						TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie				

Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GBS1 2 of 2			
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	01 st June, 2006
						Project:	Contract 1 Drehid	Logged by:	Leo Brogan
						TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	Track Machine
Description						Interpretation			
GBS1-2 (3.3-4.2m)	↓			3.6		Medium dense, grey, sandy (coarse) GRAVEL (fine to medium SA/SR) with occasional cobble. Cobble content increasing with depth		GRAVEL	
				4.0		Trial Pit terminated at 4.2m			
				4.2					
<p style="color: red; transform: rotate(-45deg); opacity: 0.5;">For inspection purposes only. Consent of copyright owner required for any other use.</p>									
Comments Water inflow at 3.3m from gravels. Extensive sidewall collapse below 3.2m. Pit Plan Dimensions 0.7m x 3m.						 TES CONSULTING ENGINEERS			
Legend						TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie			
CLAY		SILT							
GRAVEL		COBBLES							
PEAT		WATER INGRESS							

Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GL 1 of 1				
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	06 th June, 2006	
						Project:	Contract 1 Drehid	Logged by:	Leo Brogan	
				TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	17 tonne track machine			
						Description	Interpretation			
GL1-A	(0-0.2)	Backfilled with excavated material		0.2		Brown to black, wet, milled peat with roots. H1-H4	PEAT			
GL1-1	0.2-1.3			0.5		Firm to stiff rusty brown, mottled grey SILT with abundant gravels and tree roots. Possible fill from drainage ditch nearby	SILT			
GL1-2	(2.1-2.3m)			1.5		Firm, grey sandy & gravelly (fine to coarse, SA/SR) SILT with occasional cobbles and boulders	SILT			
						Trial Pit terminated at 3.1m.				
Comments						 CONSULTING ENGINEERS				
Sidewall collapse below 2.6m. Pit Plan Dimensions 0.7m x 3m.										
Legend						TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie				
CLAY		SILT								
GRAVEL		COBBLES								
PEAT		WATER INGRESS								

Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GL 2 1of 1				
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	06 th June. 2006	
						Project:	Contract 1 Drehid	Logged by:	Leo Brogan	
				TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	17 tonne track machine			
						Description	Interpretation			
GL2-A 0-2.1		Backfilled with excavated material	→	0.4		Brown to black, damp, milled peat with roots. H1-H4	PEAT			
				0.5		Brown, wet, peat with tree roots and stumps. H5-H8	PEAT			
GL2-1 (2.1-3.5m)				2.0		Soft to firm, grey mottled orange, very sandy v. gravelly (fine to coarse, A to SA) SILT	SILT			
Comments						 TES CONSULTING ENGINEERS				
Legend										
CLAY		SILT		TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie						
GRAVEL		COBBLES								
PEAT		WATER INGRESS	→							

Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GL2 2 of 2				
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	01 st June, 2006	
						Project:	Contract 1 Drehid	Logged by:	Leo Brogan	
				TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	Track Machine			
						Description	Interpretation			
GL2-2 (3.5-4.1m)			→	4.0 4.1		Stiff, brown to grey, sandy SILT angular to sub angular gravels, occasional cobble and boulder.				SILT
						Trial Pit terminated at 4.1m				

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





Comments
Water inflow at 1.3m from timber and at 3.8m.
Pit Plan Dimensions 0.7m x 3m.

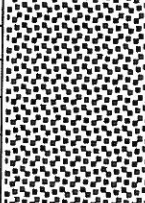









Legend			
CLAY		SILT	
GRAVEL		COBBLES	
PEAT		WATER INGRESS	

TES Consulting Engineers
Block 10-3 Blanchardstown Corporate Park
Blanchardstown
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Tel.: 01-8030401 Fax.:01-8030410
Email: tes@iol.ie
www.tesltd.ie

Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GL 3 1of 1																
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	06 th June, 2006													
						Project:	Contract 1 Drehid	Logged by:	Leo Brogan													
				TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	17 tonne track machine															
						Description	Interpretation															
GL3-A 0-1.4		Backfilled with excavated material		0.3		Brown to black, damp, milled PEAT with roots. H1-H4	PEAT															
				0.5			Brown to red, wet, fibrous PEAT with tree roots and stumps. H5-H8	PEAT														
GL3-1 (1.4-2.3m)				1.4		Soft, wet, grey, slightly sandy SILT with abundant gravels (fine to coarse, A to SA) with occasional cobbles.	SILT															
GL3-2 (2.3-3.2m)				1.5			Firm, wet, grey, sandy, gravelly (fine to medium, A to SA) SILT with abundant cobbles. Boulder at 2.4m.	SILT														
GL3-3 (3.2-3.5m)			2.0	2.3		Firm, dryish, brown to gray, very sandy SILT with angular to sub angular gravels and occasional cobbles.	SILT															
			2.5	3.0																		
			3.2	3.5																		
Comments		EOH - 3.5m Water ingress at 1.4m.				 CONSULTING ENGINEERS																
Legend		<table border="0"> <tr> <td>CLAY</td> <td></td> <td>SILT</td> <td></td> </tr> <tr> <td>GRAVEL</td> <td></td> <td>COBBLES</td> <td></td> </tr> <tr> <td>PEAT</td> <td></td> <td>WATER INGRESS</td> <td></td> </tr> </table>									CLAY		SILT		GRAVEL		COBBLES		PEAT		WATER INGRESS	
CLAY		SILT																				
GRAVEL		COBBLES																				
PEAT		WATER INGRESS																				






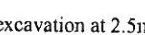







Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GL 4 1of 1			
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	06 th June, 2006
						Project:	Contract 1 Drehid	Logged by:	Leo Brogan
						TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	17 tonne track machine
Description						Interpretation			
GL4-A 0-2.0)		Backfilled with excavated material		0.5	Brown to black, damp, milled PEAT with roots. H1-H4	PEAT			
GL4-1 (2.3-3.5m)				1.0	Brown to red, wet, fibrous PEAT with tree roots and stumps. H5-H8	PEAT			
				2.0	Firm, grey, very sandy SILT with abundant gravels (fine to medium, A to SA).	SILT			
				2.5	Soft, grey, slightly sandy, gravelly (fine to medium, A to SA) CLAY with silt and occasional cobbles.	CLAY			
Comments									
Legend						TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie			
CLAY		SILT							
GRAVEL		COBBLES							
PEAT		WATER INGRESS							

Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GL4 2 of 2	
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	<i>Client:</i> Bord Na Mona	<i>Date excavated:</i> 01 st June, 2006
						<i>Project:</i> Contract I Drehid	<i>Logged by:</i> Leo Brogan
						<i>TES File Reference:</i> F: TES Current Projects \\1342\Reports\Geology	<i>Equipment used:</i> Track Machine
					Description	Interpretation	
GL4-2	(3.5-4.1m)			4.0 4.1		Firm, dryish, brown to green, sandy CLAY with angular to sub angular gravels and occasional cobbles and boulders.	CLAY
Trial Pit terminated at 4.1m							
Comments						 CONSULTING ENGINEERS	
Water inflow at 1.3m from timber and at 3.8m (stopped flowing). Pit Plan Dimensions 0.7m x 3m.							
Legend						TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie	
CLAY		SILT					
GRAVEL		COBBLES					
PEAT		WATER INGRESS					

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





Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GL 5 1of 1					
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	02 nd June, 2006		
						Project:	Contract 1 Drehid	Logged by:	John Dillon		
				TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	17 tonne track machine				
						Description	Interpretation				
GL5-A 0-1.4		Backfilled with excavated material		0.5 0.7 1.0		Reddish Brown to black, damp, PEAT with roots. H3-H5	PEAT				
GL5-1 1.4-2.2					1.5 1.6 2.0		Mod Firm, grey, gravelly (medium to coarse) SILT . Some cobbles present	SILT			
GL5-2 (2.2-3.5m)					2.5 2.6 3.0 3.4 3.5		Mod firm, grey, slightly sandy, gravelly (fine to coarse, A to SR) SILT with numerous cobbles.	SILT			
						Trial Pit terminated at 3.5m					
Comments						<p>CONSULTING ENGINEERS</p> <p>TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie</p>					
Sidewall collapse post excavation at 2.5m. Pit Plan Dimensions 0.7m x 3m.											
Legend											
CLAY		SILT									
GRAVEL		COBBLES									
PEAT		WATER INGRESS									

Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GL 6 1of 1					
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	06 th June, 2006		
						Project:	Contract 1 Drehid	Logged by:	Leo Brogan		
				TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:		17 tonne track machine			
						Description	Interpretation				
GL6-1 0.7-1.6		Backfilled with excavated material		0.5		Brown to black, damp, milled PEAT with roots. H1-H4	PEAT				
GL6-1 0.7-1.6					0.7		Firm, greeny grey mottled orange, v. gravelly (medium to coarse) CLAY with silt.	CLAY			
GL6-2 (1.6-2.6m)					1.6		Soft, wet greeny grey, v. gravelly (fine to coarse) CLAY with some silt.	CLAY			
GL6-3 (2.6-3.5m)					2.6		Stiff, grey, slightly sandy, gravelly (fine to coarse, A to SR) SILT with numerous cobbles.	SILT			
						Trial Pit terminated at 3.4m					
Comments						 CONSULTING ENGINEERS					
Sidewall collapse post excavation at 2.5m. Pit Plan Dimensions 0.7m x 3m.											
Legend						TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie					
CLAY		SILT									
GRAVEL		COBBLES									
PEAT		WATER INGRESS									

Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GL 7 1 of 1					
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	02 nd June, 2006		
						Project:	Contract 1 Drehid	Logged by:	John Dillon		
				TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	17 tonne track machine				
						Description	Interpretation				
GL7-A 0-0.7		Backfilled with excavated material		0.5		Brown to black, damp, milled PEAT with roots. H2-H4	PEAT				
GL7-1 0.7-2					0.7		Mod Firm, grey, gravelly (medium to coarse) SILT. Some cobbles present	SILT			
GL7-2 2-3.5m					2.0		Mod firm, grey, slightly sandy, gravelly (fine to coarse, A to SR) SILT with numerous cobbles. Water inflow towards the base at 3mbgl	SILT			
				2.6			Trial Pit terminated at 3.5m				
				3.0							
				3.4							
				3.5							
Comments						 CONSULTING ENGINEERS					
Sidewall collapse post excavation at 2.5m. Pit Plan Dimensions 0.7m x 3m.											
Legend						TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie					
CLAY		SILT									
GRAVEL		COBBLES									
PEAT		WATER INGRESS									

Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GL 8 1of 1				
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	06 th June, 2006	
						Project:	Contract 1 Drehid	Logged by:	John Dillon	
						TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	17 tonne track machine	
Description						Interpretation				
GL8-A	0-0.7	Backfilled with excavated material		0.5		Brown to black, damp, milled PEAT with roots. H2-H4				PEAT
GL8-1	(0.7-1.5)			0.7		Mod Firm, grey, gravelly (medium to coarse) SILT. Some cobbles present				SILT
GL8-2	(1.5-2.5m)			1.6		Mod firm, grey, slightly sandy, gravelly (fine to coarse, A to SR) SILT with numerous cobbles				SILT
GL8-3	(2.5-3.2m)			2.6		Mod firm, grey, slightly sandy, very gravelly (fine to coarse, A to SR) SILT with numerous cobbles. Small bands of sand and gravel @ 2.5-3m. Water inflows present @2.5m-3m.				SILT
						Trial Pit terminated at 3.2m				
Comments						<p>CONSULTING ENGINEERS</p>				
<p>Sidewall collapse post excavation at 2.5m. Pit Plan Dimensions 0.7m x 3m.</p>						<p>TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie</p>				
Legend										
CLAY		SILT								
GRAVEL		COBBLES								
PEAT		WATER INGRESS								

Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GL 10 1of 1					
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	07 th June, 2006		
						Project:	Contract 1 Drehid	Logged by:	Leo Brogan		
				TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	17 tonne track machine				
						Description	Interpretation				
GL10-1 0.0-0.95		Backfilled with excavated material		0.5		Brown to black, damp, milled PEAT with roots. H1-H4	PEAT				
GL10-1 0.95-1.9				0.95	1.0		Firm, greeny grey mottled orange, v. sandy, v. gravelly (fine to coarse) CLAY with silt and occasional cobbles.	CLAY			
GL10-2 (1.9-3.0m)				1.5	1.9		Firm, dark grey, sandy, v. gravelly (fine to coarse) CLAY with silt and occasional cobbles and boulders.	CLAY			
GL10-3 (3.2-3.5m)				2.0	2.5						
				2.6	3.0		Medium dense, grey GRAVEL (fine to coarse, SA to SR) with silt and cobbles.	GRAVEL			
				3.2		Firm to stiff, brown to dark grey, sl. gravelly SILT.	SILT				
						Trial Pit terminated at 3.5m					
Comments						 CONSULTING ENGINEERS					
Water engress from gravels at 3.0 m. Pit Plan Dimensions 0.7m x 3m.											
Legend						TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie					
CLAY		SILT		GRAVEL		COBBLES		PEAT		WATER INGRESS	

Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GL 9 1of 1			
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	07 th June, 2006
						Project:	Contract 1 Drehid	Logged by:	Leo Brogan
						TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	17 tonne track machine
Description						Interpretation			
	GL9-1 0.7-1.6	Backfilled with excavated material		0.5	Brown to black, damp, milled PEAT with roots. H1-H4	PEAT			
	GL9-1 0.5-1.85			1.0	Firm, light brown, mottled orange and grey, sandy CLAY with silt and abundant gravels (fine to to coarse) with occasional cobbles.	CLAY			
	GL9-2 (1.85-2.7m)			2.0	Firm, dark grey to brown, sl. sandy, v. gravelly (fine to coarse) CLAY with abundant gravels and occasional cobbles.	CLAY			
				2.75	Trial Pit terminated at 2.75m				
Comments Dry no sideal collapse. Pit Plan Dimensions 0.7m x 3m.						 TES CONSULTING ENGINEERS			
Legend						TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie			
CLAY		SILT							
GRAVEL		COBBLES							
PEAT		WATER INGRESS							

Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GL 17 1of 1			
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	07 th June, 2006
						Project:	Contract 1 Drehid	Logged by:	Leo Brogan
						TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	17 tonne track machine
Description						Interpretation			
GL17-1 0.45-1.65		Backfilled with excavated material	→	0.45 0.5	Soft brown, sl. gravelly CLAY with occasional cobbles	CLAY			
GL17-2 (1.65-3.0m)				1.0 1.5 1.6	Firm, light brown, sandy, v. gravelly (fine to coarse) CLAY with occasional cobbles.	CLAY			
				2.0 2.5 3.0	Firm, light grey, sl. sandy, v. gravelly (fine to coarse, SA to SR) CLAY with numerous cobbles and occasional boulder.	CLAY			
Trial Pit terminated at 3.0m									

Comments

Water ingress at 1.6m from sidewalls
Slight sidewall collapse.
Pit Plan Dimensions 0.7m x 3m.



Legend

- | | | | |
|--------|--|---------------|--|
| CLAY | | SILT | |
| GRAVEL | | COBBLES | |
| PEAT | | WATER INGRESS | |

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Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GL 15 1 of 1				
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	07 th June, 2006	
						Project:	Contract 1 Drehid	Logged by:	Leo Brogan	
				TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	17 tonne track machine			
						Description	Interpretation			
GL15-A (0-1.0m)		Backfilled with excavated material	→	0.5		Brown to black, damp, milled PEAT with roots. Timber tracks at 0.6m (H1-H4)	PEAT			
				0.65		Brown to red, wet, in situ PEAT with timber fibres. (H4-H8)	PEAT			
				1.0		Firm, light brown, sandy SILT with plant fibres and angular gravels embedded	SILT			
GL15-1 (1.15-2.45m)				1.15			Firm to stiff, dark grey, sandy, v. gravelly (fine to coarse, SA to SR) CLAY with numerous cobbles.	CLAY		
		1.5		Soft to firm, wet, grey, sandy, gravelly (fine to coarse, SA to SR) CLAY with some silt and cobbles.	CLAY					
GL15-2 (2.45-3.45m)		2.0			2.45		Trial Pit terminated at 3.45m			
		2.5	3.0	3.45						
		3.5								
Comments						 TES CONSULTING ENGINEERS				
Water ingress at 0.6m from sidewalls Pit Plan Dimensions 0.7m x 3m.										
Legend						TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie				
CLAY		SILT								
GRAVEL		COBBLES								
PEAT		WATER INGRESS								

Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GL 14 1of 1				
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	07 th June, 2006	
						Project:	Contract 1 Drehid	Logged by:	Leo Brogan	
				TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	17 tonne track machine			
						Description	Interpretation			
GL14-A (0-1.75m)		Backfilled with excavated material	→	0.5		Brown to black, damp, milled PEAT with roots. Large tree trunk at 0.45m (H1-H4)	PEAT			
				0.75			Brown to red, wet, in situ PEAT with timber fibres. (H5-H8)	PEAT		
GL14-1 1.75-2.30m				1.75		Soft to firm, greeny grey, v. sandy, v. gravelly (fine to coarse, SA to SR) SILT with clay	SILT			
GL14-2 (2.3-3.3m)				2.30			Firm, wet, dark grey, sl. sandy, v. gravelly (medium to coarse, SA to SR) SILT with some clay and cobbles.	SILT		
		2.5								
		3.0								
		3.3			Trial Pit terminated at 3.30m					
Comments						 CONSULTING ENGINEERS				
Water ingress at 1.2m from peat sidewalls Pit Plan Dimensions 0.7m x 3m.										
Legend						TES Consulting Engineers Block 10-3 Blanchardstown Corporate Park Blanchardstown Dublin 15 Tel.: 01-8030401 Fax.:01-8030410 Email: tes@iol.ie www.tesltd.ie				
CLAY		SILT								
GRAVEL		COBBLES								
PEAT		WATER INGRESS								