


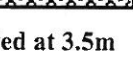
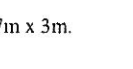
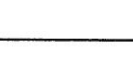

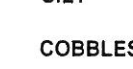










Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GL 12 1of 1											
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	07 th June, 2006								
						Project:	Contract 1 Drehid	Logged by:	Leo Brogan								
				TES File Reference:	F: TES Current Projects \\1342\Reports\Geology	Equipment used:	17 tonne track machine										
						Description	Interpretation										
GL12-A (0-0.95m)		Backfilled with excavated material		0.4		Brown to black, damp, milled PEAT with roots. (H1-H4)	PEAT										
			0.5			Brown to red, wet, in situ PEAT with timber fibres. (H5-H8)	PEAT										
GL12-1 (1.1-2.3m)			0.95			Firm, greeny brown, v. gravelly (fine to medium angular) SILT with clay and root tubules	SILT										
			1.0														
			1.1														
GL12-2 (2.3-3.2m)				1.5		Soft to firm, v. sandy, gravelly (fine to coarse, SA to SR) SILT with some clay.	SILT										
				2.0													
				2.20													
				2.5		Soft, dark grey, sl. sandy, v. gravelly (medium to coarse, SA to SR) SILT with some clay and occasional cobbles.	SILT										
				3.0													
				3.2													
						Trial Pit terminated at 3.20m											
Comments		Water engress at 3.2m from gravels at base of trench Pit Plan Dimensions 0.7m x 3m.				 TES 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	
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				GL 13 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			
GL13-A (0-0.1.55m)		Backfilled with excavated material	→	0.45 0.5		Brown to black, damp, milled PEAT with roots. (H1-H4)	PEAT			
				0.5 1.0		Brown to red, wet, in situ PEAT with timber fibres. (H5-H8)	PEAT			
GL13-1 1.55-2.6m				1.55 2.0		Soft, wet, grey, sandy, gravelly (fine to coarse, SA to SR) SILT with clay and occasional cobbles.	SILT			
GL13-2 (2.6-3.5m)				2.0 2.5 2.70 3.0		Soft to firm, dark grey, v. sandy, v. gravelly (fine to coarse, SA to SR) SILT with clay and occasional cobbles.	SILT			
						Trial Pit terminated at 3.50m				
Comments						 TES CONSULTING ENGINEERS				
Water ingress at 0.45m from peat Collapsing sidewalls below 1.6m. 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 16 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			
GL16-A (0-0.1.3m)		Backfilled with excavated material		0.4		Brown to black, damp, milled PEAT with roots. (H1-H4)	PEAT			
			0.5			Brown to red, wet, in situ PEAT with timber fibres. (H5-H8)	PEAT			
GL16-1 1.3-2.5m			1.3			1.55	Soft, wet, light grey, v. sandy, gravelly (fine to coarse, SA to SR) SILT with clay and occasional cobbles.	SILT		
		2.0								
		2.5								
GL16-2 (2.5-3.2m)		2.70				Firm, dark grey to brown, v. gravelly (fine to coarse, SA to SR) SILT with clay and numerous cobbles.	SILT			
		3.0								
				3.5		Trial Pit terminated at 3.2m				
Comments						 TES CONSULTING ENGINEERS				
Dry Collapsing sidewalls below 1.3m. 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 11 1of 1							
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - geographical 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						
GL11-A (0-0.1.9m)		Backfilled with excavated material	→	0.35		Brown to black, wet, milled PEAT with roots. (H1-H4)	PEAT						
				0.5		Brown to red, wet, in situ PEAT with timber fibres. (H5-H8)	PEAT						
				1.0									
GL11-1 1.9-2.8m				1.5		Firm to stiff wet, light grey to green, v. sandy, gravelly SILT with numerous cobbles and occasional cobbles.	SILT						
		1.9											
		2.0											
GL11-2 (2.8-3.5m)				2.5		Soft to firm, greeny grey, v. sandy, gravelly SILT with abundant cobbles and occasional boulder.	SILT						
		2.80											
		3.0											
						Trial Pit terminated at 3.5m							
Comments						 TES CONSULTING ENGINEERS							
Water engress from peat at 1.6m Collapsing sidewalls below 1.9m. 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				GBC 4 1of 1			
		Client:	Bord Na Mona	Date excavated:	08 th June, 2006				
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Description	Interpretation		
						GBC4-A (0-0.0-0.7m)		Backfilled with excavated material	
GBC4-1 (0.7-1.7m)		0.7		Firm to stiff, light grey, v. sandy, gravelly SILT with numerous cobbles and occasional cobbles.	SILT				
GBC4-2 (1.7-2.7m)				1.0		Soft, light grey to green, sl. sandy, gravelly SILT with numerous cobbles.	SILT		
		1.7				Stiff, olive, CLAY with gravels (fine to coarse) with cobbles.	CLAY		
				2.0					
		2.5							
				2.7					
		3.0							
				3.3					
		3.5							
Comments		Trial Pit terminated at 3.5m Pit Plan Dimensions 0.7m x 3m.				 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			
Legend		CLAY 	SILT 	GRAVEL 	COBBLES 			PEAT 	WATER INGRESS 

Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GBC 8 1 of 1				
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	08 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			
GBC4-A (0-0.7m)		Backfilled with excavated material		0.2		Brown to black, wet, milled PEAT with roots. (H1-H4)	PEAT			
GBC8-1 (1-2m)				0.5		Brown to red, wet, in situ PEAT with timber fibres. (H5-H8)	PEAT			
GBC8-2 (2-3m)				1.0		Soft, wet, greeny grey, sandy, v. gravelly SILT with occasional cobbles boulders	SILT			
				2.0						
				2.5						
				2.8		Medium dense, sandy, sl. clayey angular to subrounded GRAVEL with numerous cobbles.	GRAVEL			
				3.0		Trial Pit terminated at 3.0m				
				3.5						
Comments						 TES CONSULTING ENGINEERS				
Water engress at trench base from gravels Sidewall collapse below 1.8m 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				GBC 13 1of 1				
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	08 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			
GBC13-A (0-0.1.2m)		Backfilled with excavated material		0.4		Brown to black, wet, milled PEAT with roots. (H1-H4)	PEAT			
			0.5	Brown to red, wet, in situ PEAT with timber fibres. (H5-H8)		PEAT				
GBC13-1 (1.2-2.2m)			1.2		Firm, greeny grey, sandy gravelly (fine to coarse SA/SR) SILT with numerous cobbles and 1 boulders	SILT				
GBC13-2 (2.2-3.1m)			1.5							
		2.0								
				2.5						
				3.0						
				3.1		Stiff, brown, gravelly (fine, SA) SILT with cobbles and boulders.	SILT			
				3.5		Trial Pit terminated at 3.1m				
Comments						 CONSULTING ENGINEERS				
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				GBC 17 1of 1			
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	09 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		
GBC17-A (0-0.1.2m)		Backfilled with excavated material		0.3		Brown to black, wet, milled PEAT with roots. (H1-H4)	PEAT		
				0.5		Brown to red, wet, in situ PEAT with timber fibres. (H5-H8)	PEAT		
GBC17-1 (1.1-2.1m)				1.05		Firm, greeny brown, SILT with clay and abundant fine to medium angular gravels and root tubules.	SILT		
				1.3					
				1.5		Firm, greeny grey, sl. sandy gravelly (fine to coarse SA/SR) CLAY with abundant cobbles.	CLAY		
GBC17-2 (2.2-3.1m)			2.0						
			2.1						
			2.5		Firm, dark grey, sl. Sandy, gravelly CLAY abundant cobbles and boulders.	CLAY			
			3.0						
			3.1		Trial Pit terminated at 3.1m				
			3.5						
Comments						 TES CONSULTING ENGINEERS			
Water engress at base of trench 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				GBC 16 1 of 1				
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	09 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			
GBC16-A (0-0.1.2m)		Backfilled with excavated material		0.3		Brown to black, wet, milled PEAT with roots. (H1-H4)	PEAT			
			0.5			Brown to red, wet, in situ PEAT with timber fibres. (H5-H8)	PEAT			
GBC16-1 (1.2-2.3m)			1.2			Firm to stiff, greeny grey, v. sandy, gravelly (fine to medium SA SR) SILT with some clay	SILT			
GBC16-2 (2.3-3.3m)			2.3			Firm, light grey CLAY with silt, gravels (medium to coarse) with occasional cobbles and 1 boulders.	CLAY			
		2.5				Trial Pit terminated at 3.1m				
				3.0						
				3.3						
				3.5						
Comments						 TES CONSULTING ENGINEERS				
Water engress at base of trench 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				GBC 15 1of 1				
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	09 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			
GBC15-A (0-0.1.2m)		Backfilled with excavated material		0.4		Brown to black, wet, milled PEAT with roots. (H2-H5)	PEAT			
			0.5	Brown to red, wet, in situ PEAT with timber fibres. (H5-H8)		PEAT				
GBC15-1 (1.2-2.2m)			1.0		Firm to stiff, grey mottled brown, sandy, gravelly (fine to coarse A/ SA/SR), sl. clayey SILT.	SILT				
			1.1							
GBC15-2 (2.2-3.2m)			1.5		Soft to firm, greeny grey, gravelly (fine to coarse SA/SR) CLAY with some silt and cobbles below 2.5m.	CLAY				
		1.9								
		2.0		Dense, very sandy, sl. clayey angular to subrounded GRAVEL with numerous platy cobbles.	GRAVEL					
		2.5								
		3.0		Trial Pit terminated at 3.2m						
		3.2								
		3.5								
Comments						 CONSULTING ENGINEERS				
Water engress at base of trench 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				GBC 11 1of 1			
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	09 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			
GBC11-A (0-0.55m)		Backfilled with excavated material		0.2	Brown to black, wet, milled PEAT with roots. (H2-H5)	PEAT			
GBC11-1 (0.9-2.0m)				0.55	Brown to red, wet, in situ PEAT with timber fibres. (H5-H8)	PEAT			
GBC11-2 (2.2-3.2m)				0.9	Firm, brown to grey, CLAY with silt.	CLAY			
				1.0	Firm, light grey to green, v. sandy, gravelly SILT with abundant cobbles.	CLAY			
				1.4	Firm, brown to grey, v. sandy, gravelly (fine to coarse SA/SR) CLAY with silt, cobbles and occasional boulders.	CLAY			
			1.5						
			1.9						
			2.0						
			2.5						
			3.0						
			3.5		Trial Pit terminated at 3.1m				

Comments

Water ingress at base of trench at 3.1m
 Sidewall collapse below 1.2m
 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			GBC 12 1of 1					
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	08 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			
GBC12-A (0- 1.7m)		Backfilled with excavated material		0.45 0.5		Brown to black, wet, milled PEAT with roots. (H2-H5)	PEAT			
GBC12-1 (1.7-2.7m)			1.0			Brown to red, wet, in situ PEAT with timber fibres. (H5-H8)	PEAT			
GBC12-2 (2.7-3.3m)			2.0			Firm, greeny grey mottled orange, sandy, v. gravelly (fine to coarse SA/SR) SILT with some clay and occasional cobbles.	SILT			
			2.5			Firm, dark grey to brown, v. gravelly (fine to coarse SA/SR) CLAY with numerous cobbles.	CLAY			
					3.3	Trial Pit terminated at 3.3m				
				3.5						
Comments						 TES CONSULTING ENGINEERS				
Water engress at base of trench at 3.3m 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				GBC 10 1of 1					
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	08 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				
GBC10-A (0- 0.9m)		Backfilled with excavated material		0.3		Brown to black, wet, milled PEAT with roots. (H2-H5)	PEAT				
				0.5							
				0.9			Brown to red, wet, in situ PEAT with timber fibres. (H5-H8)	PEAT			
GBC10-1 (0.7-2.1)				1.0			Firm, greeny brown, SILT with clay and abundant fine to medium angular gravels and root tubules.	SILT			
				1.2							
GBC10-2 (2.1-3.2m)				1.5		Soft to firm, grey, v. sandy, gravelly (fine to coarse) CLAY with some silt and numerous cobbles.	CLAY				
				2.0							
				2.5							
				3.0		Firm to stiff, dark grey to brown, v. gravelly (fine to coarse SA/SR) SILT with numerous cobbles and occasional boulder.	SILT				
				3.2							
				3.5		Trial Pit terminated at 3.2m					
Comments						 CONSULTING ENGINEERS					
Sidewall collapse below 1.8m 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				GBC 9 1 of 1	
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client: Bord Na Mona	Date excavated: 08 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	
GBC9-A (0- 1.1m)		Backfilled with excavated material		0.5	Brown to black, wet, milled PEAT with roots. (H2-H5)	PEAT	
GBC9-1 (1.1-2.2)			1.0	1.1	Brown to red, wet, in situ PEAT with timber fibres. (H5-H8)	PEAT	
GBC9-2 (2.2-3.0m)			1.4	1.5	Soft, brown, silty CLAY with abundant fine to medium angular gravels embedded.	CLAY	
			2.0	2.2	Firm, green grey, gravelly, v. sandy SILT with some clay.	SILT	
				2.5	Firm to stiff, dark grey to brown, sl. sandy, v. gravelly (fine to coarse SA/SR) CLAY with silt and numerous cobbles..	CLAY	
				3.0	Trial Pit terminated at 3.0m		
				3.5			

Comments

Water ingress from base of trench.
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				GBC 3 1of 1				
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - geographical log	Client:	Bord Na Mona	Date excavated:	14 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			
GBC3-A (0- 0.9m)		Backfilled with excavated material		0.25		Brown to black, wet, milled PEAT with roots. (H2-H5)	PEAT			
GBC3-1 (0.9-1.9m)			0.5			Brown to red, wet, in situ PEAT with timber fibres. (H5-H8)	PEAT			
GBC3-2 (1.9- 2.9m)			0.9		1.0	Firm , grey mottled brown , sandy, gravelly CLAY with silt and occasional cobbles.	CLAY			
			1.4		1.5	Firm to stiff, dark grey to brown, sl. sandy v. gravelly (fine to coarse SA/SR) CLAY with silt and numerous cobbles and boulders.	CLAY			
			2.0	2.4	Dense, grey, v. sandy GRAVEL (fine to coarse) with abundant cobbles and boulders		GRAVEL			
			2.5	3.0		Trial Pit terminated at 3.1m				
			3.5							
Comments						 TES CONSULTING ENGINEERS				
Water engress from sidewalls at 2.9m 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				GBC 2 1of 1				
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	14 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			
GBC2-A (0- 0.9m)		Backfilled with excavated material		0.25		Brown to black, wet, milled PEAT with roots. (H2-H5)	PEAT			
GBC2-1 (0.9- 1.9m)			0.5			Brown to red, wet, in situ PEAT with timber fibres. (H5-H8)	PEAT			
GBC2-2 (1.9- 2.9m)			0.9		1.0	Soft, brown, v. gravelly, sl. sandy CLAY with silt, and organic material.	CLAY			
			1.1		1.5	Soft to firm, sandy, gravelly CLAY with some silt and cobbles.	CLAY			
			2.0	2.5	Firm to stiff, greeny grey, gravelly (fine to coarse) CLAY with cobbles and boulders.	CLAY				
		2.7	3.0	Trial Pit terminated at 3.1m						
				3.5						
Comments						 CONSULTING ENGINEERS				
Water engress from sidewalls at 3.0m Collapsing sidewalls belwo 1.6m 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				GBC 1 1of 1				
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	14 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			
GBC1-A (0-0.65m)		Backfilled with excavated material		0.5		Brown to black, wet, milled PEAT with roots. (H2-H5)	PEAT			
GBC1-1 (0.7-1.7m)			1.0		Soft, brown mottled orange, v. gravelly, sl. sandy CLAY with occasional cobbles.	CLAY				
GBC1-2 (1.7-2.7m)			1.9		Soft, grey to green mottled bright green, very sandy, gravelly (fine to coarse, SA -SR) CLAY and some cobbles.	CLAY				
			2.8		Wet, grey to green, very sandy GRAVEL ((fine to coarse, SA -SR) with some clay and cobbles	GRAVEL				
			3.1		Trial Pit terminated at 3.1m					
Comments						 TES CONSULTING ENGINEERS				
Water engress from sidewalls at 2.7m Still rippable at 3.1m. Collapsing sidewalls below 1.6m 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				GBC 5 1 of 1			
		Client:	Bord Na Mona	Date excavated:	14 th June, 2006				
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	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			
GBC5-A (0 - 0.85m)		Backfilled with excavated material		0.3	Dry, reddy brown, fibrous PEAT with tree roots. (H4-H7)	PEAT			
GBC5-1 (1.1-2.3m)				0.5	Wet, brown to black, highly fibrous PEAT with some tree roots. (H4-H7)	PEAT			
GBC5-2 (2.3- 2.9m)				0.85	Firm, brown, gravelly (fine, SA), sl. sandy CLAY with root fibres and some organic material.	CLAY			
				1.0	Soft, grey to green mottled orange, very sandy, very gravelly (fine to coarse, SA-SR) CLAY and some cobbles.	CLAY			
				1.1	Firm, dark grey, very sandy, very gravelly (fine to coarse, SA -SR) CLAY and some cobbles and occasional boulders.	CLAY			
				2.0					
				2.5					
				2.9					
				3.0	Trial Pit terminated at 2.9m				

Comments		 TES CONSULTING ENGINEERS		
Water engress from trench base at 2.9m Still rippable at 2.9m. 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	

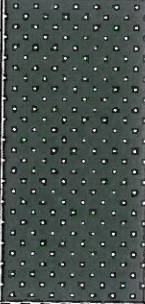
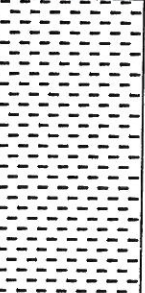
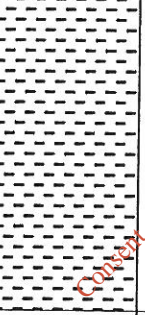
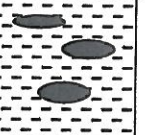







Soil (S)/ Water (W) Sampling and/or Monitoring		TRIAL PIT LOG				GBC 6 1of 1	
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	<i>Client:</i> Bord Na Mona	<i>Date excavated:</i> 14 th June, 2006
						<i>Project:</i> Contract 1 Drehid	<i>Logged by:</i> Leo Brogan
						<i>TES File Reference:</i> F: TES Current Projects \1342\Reports\Geology	<i>Equipment used:</i> 17 tonne track machine
						Description	Interpretation
GBC6-A (0- 1.1m)		Backfilled with excavated material		0.5		Dry , brown to black, milled PEAT. (H1-H4)	PEAT
			0.7	1.0		Wet , brown, highly fibrous PEAT with some tree roots. (H4-H7)	PEAT
GBC6-1 (1.1-2.2m)			1.1	1.25		Soft to firm, brown mottled grey, gravelly (fine, SA), sl. sandy CLAY with root fibres and some organic material	CLAY
GBC6-2 (2.2- 3.2m)			1.5	2.0		Soft light grey mottled orange, very sandy, gravelly (fine to coarse, SA-SR) CLAY with some cobbles.	CLAY
		2.5	2.8		Firm, dark grey, very sandy, very gravelly (fine to coarse, SA -SR) CLAY and some cobbles and occasional boulders .	CLAY	
		3.0	3.2		Trial Pit terminated at 3.2m Target depth reached –still ripable		
Comments						 TES CONSULTING ENGINEERS	
Water engress from trench base at 3.2m 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				GBC 7 1 of 1					
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	14 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				
GBC7-A (0-0.7m)		Backfilled with excavated material		0.5		Dry, brown to black, milled PEAT. (H1-H4)	PEAT				
GBC7-1 (0.7-1.8m)					0.7		Soft, brown, gravelly (fine to medium, SA), sl. Sandy, sl. silty CLAY with root fibres and some organic material.	CLAY			
GBC7-2 (1.8-2.9m)					1.0		Firm, green to grey, mottled orange, very sandy, gravelly (fine to coarse, SA-SR) CLAY with some cobbles.	CLAY TILL			
					1.1		Soft, green to grey, mottled orange, sandy, gravelly (fine to coarse, SA-SR) CLAY with occasional cobbles.	CLAY TILL			
					1.25						
				1.5							
				2.0							
				2.5							
				2.8							
				3.0		Firm, dark grey, very sandy, very gravelly (fine to coarse, SA -SR) CLAY and some cobbles and occasional boulders.	CLAY				
				3.1							
						Trial Pit terminated at 3.2m Target depth reached –still ripable.					
Comments						 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					
Sidewall collapse below 1.5m. No water ingress. 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				GBC 14 1of 1	
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client: Bord Na Mona	Date excavated: 15 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	
GBC14-1 (0-1.0m)		Backfilled with excavated material		0.5		Dry, soft to firm, brown mottled orange, sl. sandy, gravelly CLAY with occasional cobbles. (Material excavated from drain nearby)	CLAY
GBC14-2 (1.0-2.2m)				1.0		Firm, green to grey mottled orange and grey, sl. sandy, very gravelly (fine to coarse, SA-SR) CLAY with some cobbles.	CLAY
				1.5		Soft, green to grey, mottled orange, sandy, very gravelly (fine to coarse, SA-SR) CLAY with some cobbles.	CLAY
				2.0		Soft dark grey mottled orange, sandy, gravelly (fine to coarse, SA-SR) CLAY with some cobbles and occasional boulders.	CLAY
				2.5			
		2.7	Dark grey, sandy, clayey GRAVEL (fine to coarse, SA-SR) with some cobbles and occasional boulders.	GRAVEL			
		2.95					
						Trial Pit terminated at 2.95m Target depth reached –still ripable.	
Comments						 TES CONSULTING ENGINEERS	
Water ingress below 2.8m. 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			GBC 18 1of 1					
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	15 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				
GBC18-A (0-0.7m)		Backfilled with excavated material		0.15		Dry, brown to black, milled PEAT. (H1-H4)				PEAT
GBC18-1 (0.7-1.7m)			0.5	Wet, brown to red, well decomposed silty PEAT with tree trunks. (H4-H8)				PEAT		
GBC18-2 (1.7-2.7m)			1.0		Firm, green to light grey, mottled orange, sl. sandy, v gravelly (fine to coarse, SA-SR) CLAY with occasional cobbles.				CLAY	
			1.25		Firm, dark grey, sl. sandy (coarse), very gravelly (fine to coarse, SA-SR) CLAY with some cobbles.				CLAY	
		2.0		Firm, dark grey, sandy, very gravelly (fine to coarse, SA -SR) CLAY and some cobbles and occasional boulders.				CLAY		
		2.5		Trial Pit terminated at 2.9m Target depth reached –still ripable.						
		2.9		3.0						
Comments						 TES CONSULTING ENGINEERS				
Sidewall collapse below 1.7m. Water ingress at 2.9m from trench base. 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				GBC 19 1of 1					
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	15 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				
GBC19-A (0-0.4m)		Backfilled with excavated material		0.4		Dry, brown to black, milled PEAT. (H1-H4)	PEAT				
GBC19-1 (0.4-1.4m)					0.5		Firm, brown, gravelly (fine to med, SA), sandy, CLAY with root fibres and some organic material.	CLAY			
GBC19-2 (1.4-2.4m)					0.7		Soft, light brown, mottled orange, sl. sandy, gravelly (fine to coarse, SA-SR) CLAY with occasional cobbles.	CLAY			
					1.0						
					1.2						
				1.5		Firm, green to grey mottled orange, v. sandy (coarse), very gravelly (fine to coarse, SA-SR) CLAY with some cobbles.	CLAY				
				2.0							
				2.2							
				2.5		Wet, firm, dark grey to brown, sandy, very gravelly (fine to coarse, SA -SR) CLAY and some cobbles and occasional boulders.	CLAY				
				2.7							
				3.0		Trial Pit terminated at 2.7m Target depth reached –still ripable.					
Comments						 TES CONSULTING ENGINEERS					
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				GBC 20 1of 1			
Sample No.	Depth Interval (m)	Pit Completion	Groundwater occurrence	Depth (mbGL)	Geology - graphical log	Client:	Bord Na Mona	Date excavated:	15 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			
GBC20-A (0-0.85m)		Backfilled with excavated material		0.5		Damp, brown to black, insitu PEAT. (H1-H4)	PEAT		
GBC20-1 (0.85-1.9m)			1.0		Stiff, light brown, mottled orange, sl. sandy, gravelly (fine to coarse, SA-SR) CLAY with some organic material.	CLAY			
GBC20-2 (1.9-2.9m)			2.0		CLAY				
			2.5		CLAY				
				2.9		Firm, dark grey, sl. sandy, gravelly (fine to coarse, SA -SR) CLAY and some cobbles and occasional boulders .			
				3.0		Trial Pit terminated at 2.9m Target depth reached –still ripable.			
Comments						 CONSULTING ENGINEERS			
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.testld.ie			
CLAY		SILT							
GRAVEL		COBBLES							
PEAT		WATER INGRESS	