

engineering log - excavation

Client : Liverpool City Council		Job No. : 4586/1									
Project : Edmondson Park Release Area		Pit No. : 21									
Location : Edmondson Park		Date : 20/11/2002									
Logged/Checked by : MC											
Equipment type and model : JCB 3CX Backhoe		R.L. surface : -									
Excavation dimensions : 2.0 m long		0.5 m wide datum : -									
penetration 1 2 3	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
				0			TOPOSIL: Silty Clay, low plasticity, brown	M< PL			
				0.5		CI-CH	CLAY, medium to high plasticity, red	M< PL	VS- H		Residual
		DS				CI	CLAY, medium plasticity, grey	M< PL	H		
	dy			1			SHALE, low strength, grey, extremely weathered to distinctly weathered				Bedrock
				1.5			Test Pit terminated at 1.2m				
				2							
				2.5							
				3							
				3.5							
				4							
				4.5							

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Client : Liverpool City Council		Job No. : 4586/1	
Project : Edmondson Park Release Area		Pit No. : 22	
Location : Edmondson Park		Date : 20/11/2002	
Logged/Checked by : MC			
Equipment type and model : JCB 3CX Backhoe		R.L. surface : -	
Excavation dimensions : 2.0 m long		0.5 m wide datum : -	





1	2	3	penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency index	density index	hand penetrometer kPa	Remarks
					DS		0			TOPSOIL: Silty Clay, low plasticity, brown	M< PL				
							0.5		CI-CH	CLAY, medium to high plasticity, red	M< PL	H			Residual
				DU	DS		1			Test Pit terminated at 0.8m on shale bedrock					
							1.5								
							2								
							2.5								
							3								
							3.5								
							4								
							4.5								

engineering log - excavation

Client :		Liverpool City Council			Job No. :		4586/1				
Project :		Edmondson Park Release Area			Pit No. :		25				
Location :		Edmondson Park			Date :		20/11/2002				
					Logged/Checked by :		MC				
Equipment type and model :				JCB 3CX Backhoe			R.L. surface :			-	
Excavation dimensions :				2.0 m long		0.5 m wide		datum :			-

1	2	3	penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
					DS		0			TOPSOIL, Silty Clay, low plasticity, brown	M<PL			
					DS		0.5		CI	CLAY, medium plasticity, red-brown	M<PL	H		Residual
					DS		1		CI	CLAY, medium plasticity, dark grey	M<PL	H		
							1.5							
							2			Test Pit terminated at 1.7m on lithic Sandstone				
							2.5							
							3							
							3.5							
							4							
							4.5							

engineering log - excavation

Client :		Liverpool City Council			Job No. : 4586/1						
Project :		Edmondson Park Release Area			Pit No. : 26						
Location :		Edmondson Park			Date : 20/11/2002						
					Logged/Checked by : MC						
Equipment type and model :				JCB 3CX Backhoe		R.L. surface :	-				
Excavation dimensions :				2.0 m long 0.5 m wide		datum :	-				
penetration 1 2 3	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
				0			FILL, Coal wash gravel, minor Topsoil				
		DS		0.5		CI-CH	CLAY, medium to high plasticity, red	M<PL	H		Residual
		DS		1		CI-CH	CLAY, medium to high plasticity, mottled orange and grey	M<PL	H		
	Dry			1.5			SHALE, low strength, dark grey, extremely weathered to distinctly weathered Test Pit terminated at 1.6m				Bedrock
				2							
				2.5							
				3							
				3.5							
				4							
				4.5							

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1		2		3		depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
penetration	groundwater	samples	field tests	penetration	groundwater								
		DS				0		Clayey SILT, low plasticity, brown	M<PL			Alluvium	
						0.5		CI CLAY, medium plasticity, orange-brown	M<PL	VSt			
		DS				1		CL-CI Silty CLAY, low to medium plasticity, orange-brown	M<PL	VSt			
						1.5							
		DS				2		ML Clayey SILT, low plasticity, orange, red-brown	M>PL	SI			
						2.5		GC Clayey GRAVEL, fine grained, ironstone gravels	W	MD		100mm seepage after 30 minutes	
		DS				3							
						3.5		CI Gravelly Silty CLAY, medium plasticity, orange and grey	M>PL	VSt-H			
						4		Test Pit terminated at 3.7m					
						4.5							

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Client :		Liverpool City Council				Job No. :		4586/1							
Project :		Edmondson Park Release Area				Pit No. :		28							
Location :		Edmondson Park				Date :		20/11/2002							
						Logged/Checked by :		MC							
Equipment type and model :				JCB 3CX Backhoe				R.L. surface :				-			
Excavation dimensions :				2.0 m long		0.5 m wide		datum :				-			
1	2	3	penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency index	density index	hand penetrometer kPa	Remarks
							0			FILL, Topsoil, timber, brick, fibro					Fill appears loose and uncompacted
					DS		0.5		CI-CH	CLAY, medium to high plasticity, red	M<PL	VSI-H			Residual
					DS		1		CI	CLAY, medium plasticity, dark grey	M<PL	H			
				UD			1			SHALE, low strength, distinctly weathered, grey					Bedrock
							1.1			Test Pit terminated at 1.1m					
							1.5								
							2								
							2.5								
							3								
							3.5								
							4								
							4.5								

engineering log - excavation





Client :		Liverpool City Council			Job No. : 4586/1		
Project :		Edmondson Park Release Area			Pit No. : 29		
Location :		Edmondson Park			Date : 20/11/2002		
					Logged/Checked by : MC		
Equipment type and model :				JCB 3CX Backhoe		R.L. surface : -	
Excavation dimensions :				2.0 m long 0.5 m wide		datum : -	

penetration 1 2 3	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
		DS		0			TOPSOIL, Silty Clay, low plasticity, brown	M<PL			
		DS		0.5		CI-CH	CLAY, medium to high plasticity, red-brown	M<PL	H		Residual
	Dry						SHALE, low strength, distinctly weathered, dark grey				Bedrock
				1			Test Pit terminated at 0.8m				
				1.5							
				2							
				2.5							
				3							
				3.5							
				4							
				4.5							

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Client :		Liverpool City Council			Job No. : 4586/1										
Project :		Edmondson Park Release Area			Pit No. : 30										
Location :		Edmondson Park			Date : 20/11/2002										
Logged/Checked by : MC															
Equipment type and model :				JCB 3CX Backhoe		R.L. surface :	-								
Excavation dimensions :				2.0	m long	0.5	m wide								
				datum :		-									
1	2	3	penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks	
					DS		0			TOPSOIL, Clayey Silt, low plasticity, brown	M<PL				
				Dry	DS		0.5		CI-CH	CLAY, medium to high plasticity, red-brown	M<PL	H		Residual	
							1			Test Pit terminated at 0.6m on Shale bedrock					
							1.5								
							2								
							2.5								
							3								
							3.5								
							4								
							4.5								

engineering log - excavation

Client :		Liverpool City Council			Job No. : 4586/1						
Project :		Edmondson Park Release Area			Pit No. : 32						
Location :		Edmondson Park			Date : 21/11/2002						
					Logged/Checked by : MC						
Equipment type and model :				JCB 3CX Backhoe		R.L. surface :	-				
Excavation dimensions :				2.0	m long	0.5	m wide				
				datum :		-					
penetration 1 2 3	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
		DS		0			TOPSOIL, Clayey Silt, low plasticity, brown	M<PL			
		DS		0.5		CI-CH	CLAY, medium to high plasticity, red	M<PL	H		Residual
		DS		1		CL	Sandy CLAY, low plasticity, pale orange	M<PL	H		
	u0			1			SANDSTONE, fine grained, orange, distinctly weathered, low strength				Bedrock
				1.5			Test Pit terminated at 1.2m				
				2							
				2.5							
				3							
				3.5							
				4							
				4.5							







engineering log - excavation

Client :		Liverpool City Council			Job No. :		4586/1					
Project :		Edmondson Park Release Area			Pit No. :		33					
Location :		Edmondson Park			Date :		21/11/2002					
					Logged/Checked by : MC							
Equipment type and model :				JCB 3CX Backhoe			R.L. surface :				-	
Excavation dimensions :				2.0 m long		0.5 m wide		datum :				-

penetration 1 2 3	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
				0			TOPSOIL/FILL, Sandy Silt, low plasticity	M<PL			
		DS		0.2			TOPSOIL, Clayey Silt, low plasticity, brown	M<PL			
		DS		0.5		CI-CH	CLAY, medium to high plasticity, red	M<PI	H		Residual
		DS		1.0		CI	CLAY, medium plasticity, grey with minor red mottling	M<PL	H		
	Dry			1.4			SANDSTONE, fine grained, orange, distinctly weathered, low strength				Bedrock
				1.5			Test Pit terminated at 1.4m				
				2.0							
				2.5							
				3.0							
				3.5							
				4.0							
				4.5							





engineering log - excavation

Client :		Liverpool City Council			Job No. : 4586/1		
Project :		Edmondson Park Release Area			Pit No. : 34		
Location :		Edmondson Park			Date : 21/11/2002		
					Logged/Checked by : MC		
Equipment type and model :				JCB 3CX Backhoe		R.L. surface : -	
Excavation dimensions :				2.5 m long 0.5 m wide		datum : -	

penetration 1 2 3	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
		DS		0			FILL, Topsoil and Clays, Silt, Clay, medium plasticity, brown, with ironstone gravel, minor tile and brick, occasional bullet shell	M<PL			
		DS		0.5		ML	Clayey SILT, low plasticity, grey, orange-brown	M<PL	VSI		Alluvium
		DS		1		GC	Silty Clayey GRAVEL, fine to medium grained, brown, 10-15mm, ironstone gravel	D-M	MD		
		DS		1.5		CI	CLAY, medium plasticity, orange with black iron induration	M<PL	H		
		DS		2		CI	CLAY, medium plasticity, white, with black iron induration and white powder	M<PL	H		
	Dry			2			SANDSTONE, fine grained, lithic				Bedrock
				2.5			Test Pit terminated at 2.2m				
				3							
				3.5							
				4							
				4.5							

engineering log - excavation

Client : Liverpool City Council		Job No. : 4586/1	
Project : Edmondson Park Release Area		Pit No. : 35	
Location : Edmondson Park		Date : 21/11/2002	
Logged/Checked by : MC			
Equipment type and model : JCB 3CX Backhoe		R.L. surface : -	
Excavation dimensions : 2.0 m long 0.5 m wide		datum : -	

1	2	3	penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
					DS		0			TOPSOIL, Silty Clay, low plasticity, brown	M<PI			
					DS		0.5		CI-CH	CLAY, medium to high plasticity.				Residual
					DS				CI	Silty CLAY, medium plasticity, pale orange	M<PL	H		
							1			Clayey SHALE, very low strength, dark grey, extremely weathered				Bedrock
							1.5			Test Pit terminated at 1.2m				
							2							
							2.5							
							3							
							3.5							
							4							
							4.5							




engineering log - excavation

Client : Liverpool City Council		Job No. : 4586/1	
Project : Edmondson Park Release Area		Pit No. : 36	
Location : Edmondson Park		Date : 21/11/2002	
Logged/Checked by : MC			
Equipment type and model : JCB 3CX Backhoe		R.L. surface : -	
Excavation dimensions : 2.0 m long 0.5 m wide		datum : -	

1	2	3	penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
					DS		0			Silty CLAY, low plasticity, brown	M<PL			Residual
					DS		0.5		CI-CH	CLAY, medium to high plasticity, red	M<PL	H		
					DS		1		CI	CLAY, medium plasticity, grey	M<PL	H		
					DS		1.5			SHALE, very low strength, dark grey, distinctly weathered				Bedrock
				Dry			2			Test Pit terminated at 1.6m				
							2.5							
							3							
							3.5							
							4							
							4.5							




engineering log - excavation

Client :		Liverpool City Council				Job No. :		4586/1			
Project :		Edmondson Park Release Area				Pit No. :		37			
Location :		Edmondson Park				Date :		21/11/2002			
						Logged/Checked by :		MC			
Equipment type and model :		JCB 3CX Backhoe				R.L. surface :		-			
Excavation dimensions :		2.5 m long		0.5 m wide		datum :		-			









1	2	3	penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
					DS		0			TOPSOIL, Silty Clay, low plasticity, brown	M<PL			
					DS		0.5		CI-CH	CLAY, medium to high plasticity, red-brown	M<PL	H		Residual
					DS		1		CI	CLAY, medium plasticity, grey, with trace sand	M<PL	H		
				Dry			1.5			Test Pit terminated at 1.7m on fine grained lithic sandstone, iron indurated				
							2							
							2.5							
							3							
							3.5							
							4							
							4.5							

engineering log - excavation





Client : Liverpool City Council		Job No. : 4586/1	
Project : Edmondson Park Release Area		Pit No. : 38	
Location : Edmondson Park		Date : 21/11/2002	
Logged/Checked by : MC			
Equipment type and model : JCB 3CX Backhoe		R.L. surface : -	
Excavation dimensions : 2.0 m long		datum : -	
Excavation dimensions : 0.5 m wide			

penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
1	2	3									
		DS		0			TOPSOIL, Clayey Silt, low plasticity, brown	M<PL			
		DS		0.5		CI-CH	CLAY, medium to high plasticity, red, with trace sand	M<PL	H		Residual
				1			SANDSTONE, fine grained, lithic, pale brown/orange				Bedrock
				1			Test Pit terminated at 1.0m				
				1.5							
				2							
				2.5							
				3							
				3.5							
				4							
				4.5							

engineering log - excavation



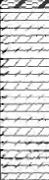
Client :		Liverpool City Council			Job No. :		4586/1							
Project :		Edmondson Park Release Area			Pit No. :		39							
Location :		Edmondson Park			Date :		21/11/2002							
					Logged/Checked by :		MC							
Equipment type and model :				JCB 3CX Backhoe			R.L. surface :			-				
Excavation dimensions :				2.0 m long		0.5 m wide		datum :			-			
1	2	3	penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
					DS		0			TOPSOIL, Clayey Silt, low plasticity, brown	M<PL			
					DS		0.5			CLAY, medium plasticity, orange-brown, with trace sand	M<PL	VSt		Residual
					DS		1							
					DS		1.5							
					DS		2		CI-CH	CLAY, medium to high plasticity, mottled red and grey	M<PL	VSt-H		
					DS		2.5							
					DS		3			CLAY, high plasticity, mottled orange and dark grey	M>PL	VSt-H		
					DS		3.5		GC	Clayey GRAVEL, medium grained ironstone gravels to 15mm, orange	M	MD		
				Dry			4			Test Pit terminated at 3.8m				
							4.5							

engineering log - excavation

Client : Liverpool City Council		Job No. : 4586/1												
Project : Edmondson Park Release Area		Pit No. : 40												
Location : Edmondson Park		Date : 21/11/2002												
		Logged/Checked by : MC												
Equipment type and model : JCB 3CX Backhoe		R.L. surface : -												
Excavation dimensions : 2.0 m long 0.5 m wide		datum : -												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks			
		DS		0			TOPSOIL, Clayey Silt, low plasticity, brown	M<PL						
		DS		0.5		CI-CH	CLAY, medium to high plasticity, orange- red	M<PL	H		Residual			
		DS		1		CI-CH	CLAY, medium to high plasticity, grey	M>PL	VSt					
	AD						SHALE, low strength, grey, distinctly weathered				Bedrock			
				1.5			Test Pit terminated at 1.3m							
				2										
				2.5										
				3										
				3.5										
				4										
				4.5										

engineering log - excavation

Client : Liverpool City Council		Job No. : 4586/1	
Project : Edmondson Park Release Area		Pit No. : 41	
Location : Edmondson Park		Date : 21/11/2002	
Logged/Checked by : MC			
Equipment type and model : JCB 3CX Backhoe		R.L. surface : -	
Excavation dimensions : 2.0 m long 0.5 m wide		datum : -	

1	2	3	penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
					DS		0			TOPSOIL, Clayey Silt, low plasticity, brown	M<PL			
					DS		0.5		CI-CH	CLAY, medium to high plasticity, orange mottled grey	M<PL	VSI		Residual
							1			Clayey SHALE, very low strength, extremely weathered, grey				Bedrock
				Dry			1.5			Test Pit terminated at 1.5m on low strength Shale				
							2							
							2.5							
							3							
							3.5							
							4							
							4.5							

engineering log - excavation

Client :		Liverpool City Council				Job No. :		4586/1						
Project :		Edmondson Park Release Area				Pit No. :		42						
Location :		Edmondson Park				Date :		21/11/2002						
						Logged/Checked by :		MC						
Equipment type and model :		JCB 3CX Backhoe				R.L. surface :		-						
Excavation dimensions :		2.0 m long		0.5 m wide		datum :		-						
1	2	3	penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
					DS		0			TOPSOIL, Clayey Silt, low plasticity, brown	M<PL			
					DS		0.5		CI-CH	CLAY, medium to high plasticity, mottled red and grey	M<PL	VSI-H		Alluvium
					DS		1		GC	Clayey GRAVEL, fine grained, ironstone gravel to 5mm, red-brown	M	MD		
					DS		2.5		CL	Sandy CLAY, low plasticity, orange and grey, interbedded with medium grained ironstone gravel	M>PL	VSI		
					DS		3		CI	CLAY, medium plasticity, white with orange mottling, minor ironstone gravel	M>PL	VSI		Possibly Residual
					DS		3.5							
							4			Test Pit terminated at 3.7m on Shale bedrock				
							4.5							

engineering log - excavation

Client :		Liverpool City Council			Job No. : 4586/1	
Project :		Edmondson Park Release Area			Pit No. : 43	
Location :		Edmondson Park			Date : 22/11/2002	
Logged/Checked by : MC						
Equipment type and model :				JCB 3CX Backhoe		R.L. surface : -
Excavation dimensions :				2.0	m long	0.5 m wide
				datum :		-

1	2	3	penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
					DS		0			TOPSOIL, Clayey Silt, low plasticity, brown	M<PL			
					DS		0.5		CI-CH	CLAY, medium to high plasticity, red	M<PL	H		Residual
					DS		1		CI	CLAY, medium plasticity, grey with minor orange mottling	M<PL	H		
							1.5			SHALE, low strength, grey brown				Bedrock
							2			Test Pit terminated at 1.9m				
							2.5							
							3							
							3.5							
							4							
							4.5							




engineering log - excavation

Client : Liverpool City Council		Job No. : 4586/1	
Project : Edmondson Park Release Area		Pit No. : 44	
Location : Edmondson Park		Date : 22/11/2002	
		Logged/Checked by : MC	
Equipment type and model : JCB 3CX Backhoe		R.L. surface : -	
Excavation dimensions : 2.0 m long 0.5 m wide		datum : -	

1	2	3	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
				DS		0			TOPSOIL, Clayey Silt, low plasticity, brown	M			
				DS		0.5		CI-CH	Silty CLAY, low to medium plasticity, orange-brown	M<PL	H		Alluvium
				DS		1.5		GC	Clayey GRAVEL, fine grained, ironstone gravel to 5mm	M	MD		
			DG			2							
						2.5			Test Pit terminated at 2.3m on fine grained lithic Sandstone				
						3							
						3.5							
						4							
						4.5							

engineering log - excavation

Client :		Liverpool City Council				Job No. :		4586/1					
Project :		Edmondson Park Release Area				Pit No. :		45					
Location :		Edmondson Park				Date :		21/11/2002					
						Logged/Checked by :		MC					
Equipment type and model :					JCB 3CX Backhoe			R.L. surface :				-	
Excavation dimensions :					2.5	m long	0.5	m wide	datum :				-

1	2	3	penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
					DS		0			TOPSOIL. Clayey Silt/Silty Clay, low plasticity, brown	M<PL			
					JS		0.5		CI-CH	CLAY, medium to high plasticity, mottled orange and grey	M>PL	SI		Residual
					DS		1		CI-CH	CLAY, medium to high plasticity, pale grey, minor red	M>PL	VS-I-H		
							1.5			with iron indurated clay fragments from 1.6m				
				Dry			2			Test Pit terminated at 2.0m on low strength Shale bedrock				
							2.5							
							3							
							3.5							
							4							
							4.5							

engineering log - excavation

Client :		Liverpool City Council				Job No. :		4586/1				
Project :		Edmondson Park Release Area				Pit No. :		46				
Location :		Edmondson Park				Date :		21/11/2002				
						Logged/Checked by :		MC				
Equipment type and model :					JCB 3CX Backhoe			R.L. surface :			-	
Excavation dimensions :					2.5 m long		0.5 m wide		datum :			-
penetration 1 2 3	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks	
		DS		0			TOPSOIL, Clayey Silt, low plasticity, brown	M<PI				
		DS		0.5		CH	CLAY, high plasticity, red	M>PL	VS1		Alluvium	
				1								
		DS		1.5		CI	Gravelly CLAY, medium plasticity, orange-red	M>PL	VS1			
				2		CI	Gravelly Silty Sandy CLAY, medium plasticity, red, grey and white, with ironstone fragments to 100mm	M>PL	VS1			
		DS		2.5		CI-CH	CLAY, medium to high plasticity, with ironstone gravels to 50mm from 2.8m	M>PL	VS1-H		Possibly Residual	
				3								
				3.5			SHALE, very low strength, extremely weathered, dark grey				Bedrock	
				4			Test Pit terminated at 3.3m on low strength shale					
				4.5								





engineering log - excavation

Client : Liverpool City Council		Job No. : 4586/1	
Project : Edmondson Park Release Area		Pit No. : 47	
Location : Edmondson Park		Date : 21/11/2002	
Logged/Checked by : MC			
Equipment type and model : JCB 3CX Backhoe		R.L. surface : -	
Excavation dimensions : 2.5 m long 0.5 m wide		datum : -	

1	2	3	penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
					DS		0			TOPSOIL, Clayey Silt, low plasticity, brown	M<PL			
							0.5		CI-CH	CLAY, medium to high plasticity, red, with trace sand	M<PL	H		Residual
					DS					SANDSTONE, fine grained, pale brown, low strength				Bedrock
							1			Test Pit terminated at 1.0m				
							1.5							
							2							
							2.5							
							3							
							3.5							
							4							
							4.5							




engineering log - excavation

Client :		Liverpool City Council			Job No. :		4586/1				
Project :		Edmondson Park Release Area			Pit No. :		48				
Location :		Edmondson Park			Date :		21/11/2002				
					Logged/Checked by : MC						
Equipment type and model :				JCB 3CX Backhoe			R.L. surface :			-	
Excavation dimensions :				2.0 m long		0.5 m wide		datum :			-

1	2	3	penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
					DS		0			TOPSOIL, Silt, low plasticity, brown	M<PL			
					DS		0.5		GC	Clayey GRAVEL, fine grained, ironstone gravel to 5mm, minor iron indurated	M	MD		Possibly Alluvium
					DS				CI	Gravelly CLAY, medium plasticity, orange, grey-brown	M<PL	H		
							1							
							1.5							
				Dry			2			Test Pit terminated at 2.0m on fine grained lithic sandstone				
							2.5							
							3							
							3.5							
							4							
							4.5							

engineering log - excavation

Client :		Liverpool City Council			Job No. : 4586/1		
Project :		Edmondson Park Release Area			Pit No. : 49		
Location :		Edmondson Park			Date : 21/11/2002		
					Logged/Checked by : MC		
Equipment type and model :				JCB 3CX Backhoe		R.L. surface : -	
Excavation dimensions :				2.0 m long 0.5 m wide		datum : -	



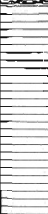

1	2	3	penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
					DS		0			TOPSOIL, Silt, low plasticity, brown	M<PL			
					DS		0.5		CI-CH	CLAY, medium to high plasticity, red	M<PL	H		Residual
					DS		1		CI	Sandy CLAY, medium plasticity, pale orange-grey	M<PL	H		
							1.1			Test Pit terminated at 1.1 m on fine grained lithic sandstone				
							1.5							
							2							
							2.5							
							3							
							3.5							
							4							
							4.5							

engineering log - excavation





Client : Liverpool City Council			Job No. : 4586/1								
Project : Edmondson Park Release Area			Pit No. : 50								
Location : Edmondson Park			Date : 25/11/2002								
			Logged/Checked by : MC								
Equipment type and model : JCB 3CX Backhoe			R.L. surface : -								
Excavation dimensions : 2.0 m long 0.5 m wide			datum : -								
penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
1	2	3		0			TOPSOIL, Silty Clay, low plasticity, brown	M<PL			
		DS		0.5		CI-CH	Gravelly CLAY, medium to high plasticity, orange-red, with 50mm angular ironstone gravel	M<PL	H		Residual
		DS		1							
				1.5			SHALE GRAVEL, 50mm, dark grey	M			
				1.7			Test Pit terminated at 1.7m				
				2							
				2.5							
				3							
				3.5							
				4							
				4.5							

engineering log - excavation

Client :		Liverpool City Council			Job No. : 4586/1	
Project :		Edmondson Park Release Area			Pit No. : 51	
Location :		Edmondson Park			Date : 25/11/2002	
Logged/Checked by : MC						
Equipment type and model :				JCB 3CX Backhoe		R.L. surface : -
Excavation dimensions :				2.0	m long	0.5 m wide
				datum :		-

1	2	3	penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
					DS		0			TOPSOIL, Silty Clay, low plasticity, brown	M<PL			
					DS		0.5		CI-CH	CLAY, medium to high plasticity, red-brown	M<PL	H		Residual
							1			SHALE, very low strength, black, extremely weathered, fragmented with trace coal				Bedrock
							1.5			SHALE, very low to low strength, grey, extremely to distinctly weathered, with Clay bands 50mm				
							2			Test Pit terminated at 1.7m				
							2.5							
							3							
							3.5							
							4							
							4.5							

engineering log - excavation

Client :		Liverpool City Council			Job No. : 4586/1									
Project :		Edmondson Park Release Area			Pit No. : 52									
Location :		Edmondson Park			Date : 25/11/2002									
Logged/Checked by : MC														
Equipment type and model :				JCB 3CX Backhoe		R.L. surface :								
Excavation dimensions :				3.0	m long	0.5 m wide								
				datum :		-								
1	2	3	penetration	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks
					DS		0			TOPSOIL, Silty Clay, low plasticity, brown	M<PL			
							0.5		CI-CH	CLAY, medium to high plasticity, orange-red	M=PL	VSI-H		Residual
					DS		1							
							1.5			Sandy SHALE, very low strength, grey, extremely weathered				Bedrock
				Dry			1.8			Test Pit terminated at 1.8m				
							2							
							2.5							
							3							
							3.5							
							4							
							4.5							

engineering log - excavation

Client :		Liverpool City Council				Job No. :		4586/1				
Project :		Edmondson Park Release Area				Pit No. :		53				
Location :		Edmondson Park				Date :		10/11/2002				
						Logged/Checked by :		MC				
Equipment type and model :					JCB 3CX Backhoe				R.L. surface :			-
Excavation dimensions :					2.0 m long		0.5 m wide		datum :			-
penetration 1 2 3	groundwater	samples	field tests	depth or R.L. in meters	graphic log	classification symbol	MATERIAL DESCRIPTION soil type, plasticity or particle characteristic, colour, secondary and minor components.	moisture condition	consistency density index	hand penetrometer kPa	Remarks	
		DS		0			TOPSOIL, Clayey Silt, low plasticity, brown	M<PL				
							TOPSOIL, Clayey Silt, low plasticity, pale brown/white	M<PL				
		DS		0.5		CI-CH	CLAY, medium to high plasticity, orange	M<PL	H		Alluvium	
		DS		1								
				1.5								
		DS		2		CI	Gravelly CLAY, medium plasticity, orange-brown, with ironstone gravel to 10mm	M>PL	VS1			
				2.5		CI	Gravelly CLAY, medium to high plasticity, orange-grey, with ironstone induration of clays	M>PL	VS1			
		DS		3								
				3.5		CI-CH	CLAY, medium to high plasticity, orange- brown, with minor ironstone gravel	M>PL	VS1		Possibly Residual	
		DS										
							Test Pit terminated at 3.7m					
				4								
				4.5								