



APPENDIX B

Borehole Logs



ESGL Ground Investigation

Variable

Logging

Depth m	Foreman's Description	Samp Test	Samp No.	Depth, m		Sample		Standard Penetration Tests							Time	Casing Depth, m	Water Level, mBGL	BH Diam., mm	Inspection Pit Dimensions
				From	To	Blow	Rec	SW Pen	75	Pen	75	75	75	75					
START OF SHIFT / BOREHOLE																			
0.00	CONCRETE	D	1	0.30													150	CHISELLING	
0.15	ROAD STONE	B	2	0.50	1.00													3.00 3.20 1/2 HR	
0.30	SAND BRICK PIECES	D	3	1.10														4.10 4.20 1 HR	
	AND ROCK PIECES	C/B	4	1.20	1.70					2	3	5	4	5	5			NIL DR7 150	
1.00	MEDIUM DENSE	D	5	2.00														WATER ENCOUNTERED	
	BROWN SAND WITH	U	6	2.20	2.65	2												2.20 DR7 150	
	ROCK PIECES	D	7	2.65															
2.00	STIFF BROWN AND	C/B	8	3.20	3.70	7	7	7	7	7	7	7	7	7					
	GREY CLAY WITH	D	9	3.80															
	CERAMIC AND BRICK	D	10	4.10															
	PIECES	C	11	4.20						25/10	54/30								
3.80	DENSE BROWN SAND																		
	WITH ROCK PIECES																		
4.10	HARD GREY ROCK																		
4.20	END OF SHIFT / BOREHOLE (complete/incomplete) To BC COMPLETED AFTER BA 3 IS COMPLETED																		
KEY: U Undisturbed 100 mm NR No recovery P Piston B Bulk D Disturbed tub W Water sample ES Environmental soil sample EW Environmental water sample S SPT Open shoe C SPT Solid cone V Vane k Permeability test SW Pen Penetration under self weight (mm) Pen Penetration for last increment (mm)																			
Remarks: (details of standing, hourly rated work, in situ testing, services, visitors etc) SERVICE PIT DUG - NO SERVICE FOUND / 1 1/2 HRS																			
RIG TYPE: PILLAN 150 Additional Plant:																			
Foreman: J. BARBAR Assistant: C. TANNER Foreman's Signature: <i>[Signature]</i>																			
BDA No. 1433 S/C 3 D 5 B 3 U 1 Project: LETS ROAD																			
Date: 25/2/03 BH No. 2																			



0

0

0

0

ESGL Ground Investigation

Cable : 303 Leamington

Depth, m	Foreman's Description	Samp /Test No.	Depth, m		Blow	Sample Rec	Standard Penetration Tests						Time	Casing Depth, m	Water Level, mBGL	BH Diam., mm	Inspection Pit Dimensions								
			From	To			SW Pen	75	Pen	75	75	75					Pen	From, m	To, m						
0.00	CONCRETE	D 1	0.15																						
0.15	COAL, BRICKS + CLAY	D 2	0.40														2.80	3.00	1/4R						
0.40	FIRM BROWN CLAY	B 3	0.40	0.70													3.10	3.90	1/4R						
	WITH ROOTS AND	D 4	0.70																						
	COAL	B 5	0.70	1.00																					
0.70	FIRM BROWN VERY	D 6	1.00																						
	SANDY CLAY	SPD 7	1.20																						
1.00	MEDIUM DENSE BROWN	B 8	1.20	1.70																					
	SAND WITH ROCK	D 9	2.00																						
	PIECES.	SPD 10	2.20																						
2.80	HARD BROWN	B 11	2.20	2.70																					
	SANDSTONE	B 12	2.80	3.00																					
		CB 13	3.00	3.30																					
		C 14	3.30																						
3.40	END OF SHIFT / BOREHOLE (complete)																								
KEY:		U Undisturbed 100 mm NR No recovery	P Piston	B Bulk	D Disturbed lub	W Water sample	ES Environmental soil sample	EW Environmental water sample																	
		S SPT Open shoe	C SPT Solid cone	V Vane	k Permeability test	SW Pen	Penetration under self weight (mm)	Pen	Penetration for last increment (mm)																
Remarks: (details of standing, hourly rated work, in situ testing, services, visitors etc)																									
G.O. MOVING 1 HR		Rig Type		DILCON 150		BDA No.		1433		S/C		4		D		5		B		6		U			
SERVICE PIT DUG - NO SERVICE FOUND 1 HR		Additional Plant				Foreman		J. FARRAR		Project		LEYS RD		Project No.		E3012		Date		26/2/03		BH No.		3	
Top Copy to office, Green to Engineer, Blue to Client, Pink to Foreman																									
This is a site log only and the data are subject to amendment after checking and sample description by or under the supervision of an engineer or geologist.																									

Backfill
Assigned

WATER ENCOUNTERED
1 2

Time Struck
Depth
Struck
Casing
Depth
Inflow
Depth
5 min
Depth
10 min
Depth
15 min
Depth
20 min
Cut off at
m

2.50 3.00 150

2.50 2.40 150

2.50 3.00 150

2.50 2.40 150

2.50 3.00 150

2.50 3.00 150

2.50 3.00 150

2.50 3.00 150

2.50 3.00 150

2.50 3.00 150

2.50 3.00 150

2.50 3.00 150

2.50 3.00 150

2.50 3.00 150

2.50 3.00 150

2.50 3.00 150

2.50 3.00 150

2.50 3.00 150

2.50 3.00 150

○

○

○

○