

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: <u>NSL-BH-30</u> Sheet No: <u>1</u> of <u>3</u>		COORDINATES: X=110 893.745 Y=198 061.010		GROUND ELEVATION, EL. (m): CHAINAGE : STA 11+110 C		GROUND WATER LEVEL (m): 4.30	
LOCATION : <u>Kadawatha</u>									
DATE : From : <u>2007/04/05</u> To: <u>2007/04/06</u>		TEST SAMPLE		STANDARD PENETRATION TEST		REMARKS			
DEPTH (m)	THICKNESS (m)	LEGEND	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)
0	0.35	0.35	FILL	DARK BROWN SILTY FINE SAND WITH GRAVEL AND PLANT ROOTS. FILL	1.15-1.46	1120		D	
1					1.46-1.730			S	
2	2.20	1.85	BROWN CLAYEY SILT	STIFF, BROWN, YELLOWISH BROWN, SLIGHTLY CLAYEY SILTY FINE TO MEDIUM SAND HIGHLY COMPACTED SOIL	2.15-2.45	2930	11	W	
3					3.15-3.45	2130	29	S	
4			RED CLAYEY SILT	VERY STIFF, RED, PALE YELLOWISH BROWN, KIOLINIZED CLAY MIXED LATERITIC CLAYEY SILT WITH SOME FINE SAND AND SOME LATERITE NODULES	4.15-4.45	1930	21	W	
5				5.0m*5.45 SAMPLE CONTAINED RELATIVELY HIGH CONTENT OF FINE SAND	5.15-5.45	1630	15	S	
6	6.10	3.9	YELLOW COMPLETELY WEATHERED ROCK	YELLOW, YELLOWISH BROWN, WHITISH GRAY, KIOLINIZED CLAYEY SILT WITH SOME LATERITIC CLAY AND ANGULAR TO SUB-ANGULAR QUARTZ GRAINS	6.15-6.45	2130	16	W	
7	7.00	0.9		SHOWS RELICT STRUCTURES.	7.15-7.45	2030	21	S	
8					8.15-8.45	2730	20	W	
9				SAME AS NEXT DESCRIPTIONS	8.45-8.75	1930	27	S	
10					8.75-9.05	1930	15	W	

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: <u>NSL-BH-30</u> Sheet No: <u>2</u> of <u>3</u>		COORDINATES: X=110 893.745 Y=198 061.010		GROUND ELEVATION, EL. (m): CHAINAGE : STA 11+110 C		GROUND WATER LEVEL (m): 4.30	
LOCATION : <u>Kadawatha</u>									
DATE : From : <u>2007/04/05</u> To: <u>2007/04/06</u>		TEST SAMPLE		STANDARD PENETRATION TEST		REMARKS			
DEPTH (m)	THICKNESS (m)	LEGEND	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)
10	10.15				10.15-10.45	1930	15	S	
11					11.00-11.45	1830	18	W	
12					12.00-12.45	2330	23	S	
13			COMPLETELY WEATHERED ROCK	PINKISH WHITE, YELLOWISH BROWN, SLIGHTLY CLAYEY SILT WITH HIGH AMOUNT OF WEATHERED FELDSPAR RELATIVELY HIGH CLAY EVIDENT 11.0m*11.45 SAMPLE SHOWS RELICT STRUCTURES	13.00-13.45	2130	21	W	
14				COMPLETELY WEATHERED ROCK	14.00-14.45	2430	24	S	
15					15.00-15.45	2730	27	W	
16					16.00-16.45	2830	32	S	
17	17.00	10.00			17.45-17.90	2630	29	W	
18			COMPLETELY WEATHERED ROCK	YELLOW, YELLOWISH BROWN, WHITISH GRAY CLAYEY SILT WITH TRACES OF MICA	18.00-18.45	3030	30	S	
19				COMPLETELY WEATHERED ROCK	19.00-19.45	25030	30	W	
20					19.45-20.00		38	S	

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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I													
LOCATION : Kadawatha					BOREHOLE No: <u>NSL-BH-30</u> of <u>3</u>								
DATE : From : 2007/04/05 To: 2007/04/06					COORDINATES: X=110 893.745 Y=198 061.010								
LOCATION : Bivagama-Kaduvela					BOREHOLE No: <u>31</u> of <u>2</u>								
DATE : From : 21/12/2006 To: 21/12/2006					COORDINATES: X=110 855.004 Y=198 011.947								
GROUND ELEVATION, EL. (m) : 21.840 CHAINAGE : STA 11+110 C					GROUND ELEVATION, EL. (m) : 27.026 CHAINAGE : STA 11+132, R=55								
GROUND WATER LEVEL (m) : 4.30					GROUND WATER LEVEL (m) : 8.65								
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)	REMARKS
20								20.00			S		
21								20.45 ≤ 50.00			S		
22								21.00			W		
23								21.45 ≤ 50.00			S		
24								22.00			W		
25								22.45 ≤ 50.00			S		
26								23.00			W		
27								23.45 ≤ 50.00			S		
28								24.00			W		
29								24.45 ≤ 50.00			S		
30											W		
WASHED SAMPLE: BROWN, PALE YELLOWISH BROWN, BLACK FINE TO MEDIUM SAND WITH TRACES OF MICA COMPLETELY WEATHERED ROCK													
COMPLETELY WEATHERED ROCK													
BROWN													
ROCK LEVEL													
END OF BORING													

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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I													
LOCATION : Bivagama-Kaduvela					BOREHOLE No: <u>31</u> of <u>2</u>								
DATE : From : 21/12/2006 To: 21/12/2006					COORDINATES: X=110 855.004 Y=198 011.947								
LOCATION : Bivagama-Kaduvela					BOREHOLE No: <u>31</u> of <u>2</u>								
DATE : From : 21/12/2006 To: 21/12/2006					COORDINATES: X=110 855.004 Y=198 011.947								
GROUND ELEVATION, EL. (m) : 27.026 CHAINAGE : STA 11+132, R=55					GROUND ELEVATION, EL. (m) : 27.026 CHAINAGE : STA 11+132, R=55								
GROUND WATER LEVEL (m) : 8.65					GROUND WATER LEVEL (m) : 8.65								
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)	REMARKS
0											D		
1											W		
2											W		
3											W		
4											W		
5											W		
6											W		
7											W		
8											W		
9											W		
10											W		
WASHED SAMPLE: RED, YELLOWISH BROWN FINE SAND WITH WEATHERED FELDSPAR GRAINS													
FINE SAND													
RED													
SAME AS NEXT DESCRIPTION													

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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1		BOREHOLE No: <u>31</u> Sheet No: <u>2</u> of <u>2</u>										
COORDINATES: X=110 855.004 Y=198 011 947		GROUND ELEVATION, EL. (m): <u>27.026</u> CHAINAGE : STA 11+132, R-55										
LOCATION : <u>Bivagama-Kaduvela</u>		GROUND WATER LEVEL (m) : <u>8.65</u>										
DATE : From : <u>21/12/2006</u> To: <u>21/12/2006</u>												
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	STANDARD PENETRATION TEST BLOWS / cm	CURVE OF BLOWS	TEST SAMPLE METHOD	DEPTH (GWL)	REMARKS
10												
11										W		
12										W		
13										W		
14										W		
15										W		
16										W		
17										W		
18	18.00	11.00								W		
19	18.50	0.50								W		
20										W		

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1		BOREHOLE No: <u>NS1, BH-32</u> Sheet No: <u>1</u> of <u>1</u>										
COORDINATES: X=110 956.101 Y=197 915.739		GROUND ELEVATION, EL. (m): <u>31.07</u> CHAINAGE : STA 11+258, CL										
LOCATION : <u>Bivagama-Kaduvela</u>		GROUND WATER LEVEL (m) : <u>3.60</u>										
DATE : From : <u>23/12/2006</u> To: <u>23/12/2006</u>												
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	STANDARD PENETRATION TEST BLOWS / cm	CURVE OF BLOWS	TEST SAMPLE METHOD	DEPTH (GWL)	REMARKS
0												
1	0.80	0.80			RED	SANDY CLAY	RED DARK BROWN FINE TO MEDIUM SANDY LATERITIC CLAY WITH LATERITE NODULES GRAVEL AND ORGANIC MATTER	1.15-1.45		D		
2	1.90	1.10			RED	SANDY CLAY	STIFF RED REDDISH BROWN SANDY LATERITIC CLAY WITH LATERITE NODULES	1.45-1.60		U		
3	2.80	1.70			DARK BROWN	SANDY CLAY	VERY STIFF DARK BROWN RED FINE GRAINED SANDY LATERITIC CLAY WITH LATERITE NODULES	2.15-2.45		W		
4	3.60	0.80			RED	SANDY SILT	VERY STIFF DARK BROWN SANDY LATERITIC CLAY WITH LATERITE NODULES AND LATERITE CLAY	3.15-3.45		S		
5	4.60	1.00			RED	COMPLETELY WEATHERED ROCK	WASHED SAMPLE: RED DARK BROWN FINE TO MEDIUM ANGULAR TO SUB-ANGULAR QUARTZ GRAINS WITH LATERITE NODULES COMPLETELY WEATHERED ROCK	4.15-4.45		W		
6	5.70	1.10			GREY	BIOTITE GNEISS	GREY SLIGHTLY FRACTURED, FAINTLY DISCOLOURED GARNET BIOTITE GNEISS	100% 77%		C		
7	6.90	1.20			GREY	BIOTITE GNEISS	MODERATELY FRACTURED, FAINTLY DISCOLOURED GARNET BIOTITE GNEISS	100% 23%		C		
8							END OF BORING					
9												
10												

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No.: NSI, BH-34 Sheet No: 1 of 3 COORDINATES: X=110831.214 Y=197863.390		GROUND ELEVATION, EL (m): 38.996 CHAINAGE : STA 11+260, R+135		GROUND WATER LEVEL (m): 8.90							
LOCATION : Bivagama- Kaduwela		DATE : From : 18/12/2006 To: 19/12/2006		STANDARD PENETRATION TEST		TEST SAMPLE							
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)	REMARKS
0													
1	1.00	1.00	1.00		RED	SANDY GRAVEL	RED REDDISH BROWN SANDY GRAVEL	1.15-1.45			W		
2								2.15-2.45			W		
3								3.15-3.45			W		
4								4.15-4.45			W		
5					RED	CLAYEY GRAVELLY SAND	RED REDDISH BROWN, SLIGHTLY CLAYEY GRAVELLY SAND WITH SILT CONTENT INCREASES WITH DEPTH	5.15-5.45			W		
6								6.15-6.45			W		
7								7.15-7.45			W		
8								8.15-8.45			W		
9	0.00	5.00						9.15-9.45			W		
10											W		

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No.: NSI, BH-34 Sheet No: 2 of 3 COORDINATES: X=110831.214 Y=197863.390		GROUND ELEVATION, EL (m): 38.996 CHAINAGE : STA 11+260, R+135		GROUND WATER LEVEL (m): 8.90							
LOCATION : Bivagama- Kaduwela		DATE : From : 18/12/2006 To: 19/12/2006		STANDARD PENETRATION TEST		TEST SAMPLE							
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)	REMARKS
10								10.15			W		
								10.45			W		
								11.00			W		
								11.45			W		
								12.00			W		
								12.45			W		
								13.00			W		
								13.45			W		
								14.00			W		
								14.45			W		
								15.00			W		
								15.45			W		
								16.00			W		
								16.45			W		
								17.00			W		
								17.45			W		
								18.00			W		
								18.45			W		
								19.00			W		
								19.45			W		
20											W		



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LOCATION : Bivagama - Kaduwela										DATE : From : 18/12/2006 To: 19/12/2006									
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	STANDARD PENETRATION TEST		REMARKS									
								DEPTH (m)	BLOWS / cm										
20		20.00								W									
		20.45								W									
21		21.00								W									
		21.45								W									
22		22.00					SAME AS PREVIOUS DESCRIPTION			W									
		22.45								W									
23		23.00	14.00				END OF BORING												
24																			
25																			
26																			
27																			
28																			
29																			
30																			

GEO TECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I										BOREHOLE No: NS1, BH-35 Sheet No: 1 of 3 COORDINATES: X=111008.454 Y=197783.837 GROUND ELEVATION, EL (m): 23.713 CHAINAGE : STA 11+400, CL GROUND WATER LEVEL (m): 2.50									
LOCATION : Bivagama - Kaduwela										DATE : From : 16/12/2006 To: 17/12/2006									
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	STANDARD PENETRATION TEST		REMARKS									
								DEPTH (m)	BLOWS / cm										
0																			
1		1.30	1.30		BROWN	FILL	BROWN, YELLOWISH BROWN GRAVELLY CLAY WITH GRASS ROOTS FILL	1.15-1.45	13	D									
2								2.15-2.45	35	S									
3								3.15-3.45	20	W									
4								4.15-4.45	17	S									
5		4.30	3.00					5.15-5.45	17	W									
6								6.15-6.45	18	S									
7					RED	COMPLETELY WEATHERED ROCK	RED, REDDISH BROWN, WHITISH YELLOW, MEDIUM CLAYEY SILT COMPLETELY WEATHERED ROCK	7.15-7.45	26	W									
8								8.15-8.45	27	S									
9		9.00	4.70					9.15-9.45	16	W									
10								10.15-10.45	16	S									



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LOCATION : Bivagama - Kaduwela		GROUND WATER LEVEL (m) : 2.50						
DATE : From : 16/12/2006 To: 17/12/2006								
SCALE (m)	ELEVATION (m)	DEPTH (m)	DESCRIPTION	STANDARD PENETRATION TEST	TEST SAMPLE	REMARKS		
				DEPTH (m)	BLOWS / ft	CURVE OF BLOWS	DEPTH (GWL)	METHOD
10		10.15		10.45	37/30			W
11		11.15		11.45	32/20			S
12		12.15		12.45	41/30			W
13		13.15		13.45	42/30			S
14		14.15	WHITISH YELLOW, SILTY CLAY WITH FINE TO MEDIUM ANGULAR TO SUB ANGULAR QUARTZ GRAINS SHOWS RELICT STRUCTURE COMPLETELY WEATHERED ROCK	14.45	47/30			W
15		15.15		15.45	37/30			S
16		16.15		16.45	39/30			W
17		17.15		17.45	40/30			S
18	18.00	18.15		18.45	50/30			W
19		19.15	SAME AS NEXT DESCRIPTION	19.45	50/30			S
20								W

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No.: NS1, BH-35 Sheet No: 3 of 3 GROUND ELEVATION, EL (m): 23.713 CHAINAGE : STA 11+400,CL						
LOCATION : Bivagama - Kaduwela		GROUND WATER LEVEL (m) : 2.50						
DATE : From : 16/12/2006 To: 17/12/2006								
SCALE (m)	ELEVATION (m)	DEPTH (m)	DESCRIPTION	STANDARD PENETRATION TEST	TEST SAMPLE	REMARKS		
				DEPTH (m)	BLOWS / ft	CURVE OF BLOWS	DEPTH (GWL)	METHOD
20		20.15	COMPLETELY WEATHERED ROCK	20.45	50/30			W
21		21.00	YELLOW	21.30	3.00*			
22		22.00	GREY FRESH BIOTITE GNEISS	22.00	100%			CS
23								
24								
25								
26								
27								
28								
29								
30			END OF BORING					



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LOCATION : Bivagama-Kaduvela			
DATE : 08/12/2006	To: 09/12/2006	GROUND WATER LEVEL (m): 2.70	
SCALE (m)	ELEVATION (m)	DEPTH (m)	REMARKS
0	11.15	1.15	
1	1.45	1.70	
2	2.45	2.20	
3	3.00	3.00	
4	3.90	3.90	
5	4.45	4.45	
6	6.20	6.20	
7	7.15	7.15	
8	8.15	8.15	
9	9.45	9.45	
10	14.20	14.20	
SOIL NAME		DESCRIPTION	
SILTY GRAVEL		LOOSE YELLOW, YELLOWISH TO BROWNSLIGHTLY CLAYEY SILTY FINE TO MEDIUM GRAVEL WITH SOME SAND AND LATERITE NODULES	
SANDY CLAY		FIRM WHITISH GREY FINE TO MEDIUM SANDY LATERITIC CLAY WITH KEOLINIZED CLAY	
SILTY SAND		MEDIUM DENSE YELLOW, YELLOWISH BROWN SILTY SAND WITH LATERITIC CLAY AND GRAVEL	
COMPLETELY WEATHERED ROCK		WHITISH GREY KEOLINIZED CLAY WITH FINE FELDSPAR PARTICLES SHOWS RELICT STRUCTURE COMPLETELY WEATHERED ROCK	
COLOUR			
YELLOW			
WHITISH GREY			
WHITISH GREY			
LEGEND			
THICKNESS (m)			
DEPTH (m)			
: From : 08/12/2006		To: 09/12/2006	
STANDARD PENETRATION TEST			
CURVE OF BLOWS			
BLOWS / cm			
DEPTH (m)			
METHOD			
TEST SAMPLE			
DEPTH (GWL)			
METHOD			
REMARKS			

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-36 Sheet No: 2 of 2 COORDINATES: X=111 091.917 Y=197 548.170 GROUND ELEVATION, EL (m): 15.354 CHAINAGE : STA 11+650, CL	
LOCATION : Bivagama-Kaduvela			
DATE : 08/12/2006	To: 09/12/2006	GROUND WATER LEVEL (m): 2.70	
SCALE (m)	ELEVATION (m)	DEPTH (m)	REMARKS
10	10.15	10.15	
11	10.45	10.90	
12	11.15	11.90	
13	12.15	12.90	
14	12.45	25.90	
15			
16			
17			
18			
19			
20			
SOIL NAME		DESCRIPTION	
		SAME AS PREVIOUS DESCRIPTION	
		END OF BORING	
COLOUR			
LEGEND			
THICKNESS (m)			
DEPTH (m)			
: From : 08/12/2006		To: 09/12/2006	
STANDARD PENETRATION TEST			
CURVE OF BLOWS			
BLOWS / cm			
DEPTH (m)			
METHOD			
TEST SAMPLE			
DEPTH (GWL)			
METHOD			
REMARKS			

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LOCATION : Bivagama-Kaduvela		DATE : From : 16/12/2006 To: 16/12/2006		STANDARD PENETRATION TEST		TEST SAMPLE					
DEPTH (m)	ELEVATION (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)	REMARKS
0											
1	1.20	1.20		BROWN	ORGANIC CLAY	1.15-1.45	37/30	3	W		
2				GREY	SILTY SAND	2.45-2.80	28/30	28	S		
3	2.80	1.60			MEDIUM DENSE WHITISH GREY SLIGHTLY CLAYEY SILTY FINE TO MEDIUM SAND	3.15-3.45	19/30	19	S		
4					VERY STIFF YELLOWISH BROWN WHITISH GREY SILTY CLAY WITH FINE SAND	4.45-4.45	18/30	18	S		
5				YELLOW	SILTY CLAY	5.15-5.45	24/30	24	S		
6						6.15-6.45	28/30	28	S		
7	7.00	4.20				7.15-7.45	41/30	41	W		
8					WHITISH GREY REDDISH BROWN SLIGHTLY SILTY MEDIUM TO COARSE SANDY CLAY WITH TRACES OF MICA SHOWS RELICT STRIKE COMPLETELY WEATHERED ROCK	8.15-8.45	22/30	22	S		
9				GREY	COMPLETELY WEATHERED ROCK	9.45-9.45	27/30	27	S		
10									S		

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NSI, BH-37 Sheet No: 2 of 2 COORDINATES: X=111 124.307 Y=197 453.535		GROUND ELEVATION, EL (m): 10.121 CHAINAGE : STA 11+750, CL		GROUND WATER LEVEL (m): 0.10					
LOCATION : Bivagama-Kaduvela		DATE : From : 16/12/2006 To: 16/12/2006		STANDARD PENETRATION TEST		TEST SAMPLE					
DEPTH (m)	ELEVATION (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)	REMARKS
10											
11					SAME AS PREVIOUS DESCRIPTION	10.15-10.45	32/30	32	W		
12	12.12	5.12			END OF BORING	11.45-12.15	>50/30	50	S		
13						12.45	>50/30	50	S		
14											
15											
16											
17											
18											
19											
20											

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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-38 Sheet No: 1 of 2 COORDINATES: X=111 157.769 Y=197 359.426		GROUND ELEVATION, EL. (m): CHAINAGE : STA 11+850, CL		GROUND WATER LEVEL (m): 1.60				
LOCATION : Bivagama - Kaduwela		DATE : From : 12/12/2006 To: 13/12/2006		STANDARD PENETRATION TEST		TEST SAMPLE				
DEPTH (m)	ELEVATION (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	METHOD	DEPTH (GWL)	REMARKS
0	1.60									
1	2.00	2.00		GREY	SANDY CLAY	FIRM GREY, LIGHT GREY HIGHLY FINE SANDY CLAY WITH ORGANIC MATTER	1.45 - 1.70	W		
2	2.00	2.00			SANDY CLAY	FIRM WHITISH GREY REDDISH BROWN SANDY LATERITIC CLAY WITH LATERITE NODULES	2.15 - 2.45 1.07/30	S		
3	2.90	0.90					3.15 - 3.45 4.7/30	W		
4							4.15 - 4.45 2/30	S		
5				GREY	SILTY SAND	VERY LOOSE TO LOOSE WHITISH GREY SILTY FINE TO MEDIUM SAND WITH KHOLINIZED CLAY	5.15 - 5.45 15/30	W		
6							6.15 - 6.45 8/30	S		
7	6.90	4.00					7.15 - 7.45 10/30	W		
8							8.15 - 8.45 6/30	S		
9				YELLOW	SANDY SILT	FIRM YELLOW, YELLOWISH BROWN SLIGHTLY CLAYEY FINE TO MEDIUM SANDY SILT	9.15 - 9.45 5/30	W		
10	9.90	5.00						W		

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-38 Sheet No: 2 of 2 COORDINATES: X=111 157.769 Y=197 359.426		GROUND ELEVATION, EL. (m): CHAINAGE : STA 11+850, CL		GROUND WATER LEVEL (m): 1.60				
LOCATION : Bivagama - Kaduwela		DATE : From : 12/12/2006 To: 13/12/2006		STANDARD PENETRATION TEST		TEST SAMPLE				
DEPTH (m)	ELEVATION (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	METHOD	DEPTH (GWL)	REMARKS
10							10.15 - 10.45 19/30	W		
11				YELLOW	SANDY CLAY	SURE YELLOW, YELLOWISH BROWN FINE TO MEDIUM SANDY CLAY	11.15 - 11.45 18/30	S		
12	12.00	2.10					12.15 - 12.45 23/30	W		
13							13.15 - 13.45 50/30	S		
14				GREY	COMPLETELY WEATHERED ROCK	WHITISH GREY, WEATHERED FELDSPAR WITH ANGULAR TO SUBANGULAR GRAINS SHOWS RELICT STRUCTURE COMPLETELY WEATHERED ROCK	14.01 - 14.05 50/30	W		
15	15.20	3.20					15.11 - 15.45 50/30	S		
16						END OF BORING		W		
17										
18										
19										
20										

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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I				BORING LOG				BOREHOLE No: NS1, BH-39 Sheet No: 1 of 2 COORDINATES: X=111 193.418 Y=197 265.637 GROUND ELEVATION, EL (m): 10.372 CHAINAGE : STA 11+950, CL			
LOCATION : Bivagama-Kaduvela				DATE : From : 13/12/2006 To: 14/12/2006				GROUND WATER LEVEL (m) : 1.60			
DEPTH (m)	ELEVATION (m)	THICKNESS (m)	LEGEND	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)	REMARKS
0											
1				SILTY GRAVEL	MEDIUM DENSE RED REDDISH BROWN YELLOWISH BROWN SILTY MEDIUM TO COARSE GRAVEL WITH MINOR QUANTITY OF LATERITIC CLAY WITH SAND	1.45 - 1.15	13/20	13	D		
2	2.00	2.00				2.45 - 2.45	8/20	8	S		
3						3.15 - 3.45	7/20	7	W		
4						4.15 - 4.15	9/20	9	S		
5				WHITISH GREY SANDY SILT	FIRM WHITISH GREY, RED FINE TO MEDIUM SANDY SILT WITH LATERITIC CLAY AND LATERITE NODULES	5.15 - 5.45	8/20	8	W		
6						6.15 - 6.45	9/20	9	S		
7					SAND CONTENT INCREASES WITH DEPTH	7.15 - 7.45	7/20	7	W		
8	7.80	5.80				8.15 - 8.45	9/20	9	S		
9					SAME AS NEXT DESCRIPTION	9.15 - 9.45	24/20	24	W		
10									S		

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I				BORING LOG				BOREHOLE No: NS1, BH-39 Sheet No: 2 of 2 COORDINATES: X=111 193.418 Y=197 265.637 GROUND ELEVATION, EL (m): 10.372 CHAINAGE : STA 11+950, CL			
LOCATION : Bivagama-Kaduvela				DATE : From : 13/12/2006 To: 14/12/2006				GROUND WATER LEVEL (m) : 1.60			
DEPTH (m)	ELEVATION (m)	THICKNESS (m)	LEGEND	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)	REMARKS
10						10.45 - 10.45	31/20	31	W		
11						11.45 - 11.45	33/20	33	S		
12						12.45 - 12.45	33/20	33	W		
13				COMPLETELY WEATHERED ROCK	YELLOW, YELLOWISH BROWN REDDISH BROWN SAND WITH ANGULAR TO SUBANGULAR QUARTZ GRAIN SANDS. WEATHERED HELD PAIR PARTICLES SHOWS RELICT STRUCTURE COMPLETELY WEATHERED ROCK	13.45 - 13.45	50/20	50	S		
14						14.45 - 14.45	50/20	50	W		
15						15.45 - 15.45	50/20	50	S		
16					END OF BORING	15.45 - 15.45	50/20	50	W		
17											
18											
19											
20											



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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-40 Sheet No: 1 of 1 GROUND ELEVATION, EL (m): 7.535 CHAINAGE : STA 12+050, L- 30 GROUND WATER LEVEL (m): 0.30	
LOCATION : Bivagama-Kaduwele		DATE : From : 14/12/2006 To: 15/12/2006	
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)
0			
1	0.70	1.15- 1.45	0.70
2	1.80	2.45- 2.45	1.10
3	3.25	3.15- 3.45	1.45
4	4.90	4.45- 4.45	1.65
5	6.90	5.15- 5.45	2.00
6		6.15- 6.45	
7	6.90	7.15- 7.45	2.00
8	9.00	8.15- 8.45	2.10
9			
10			

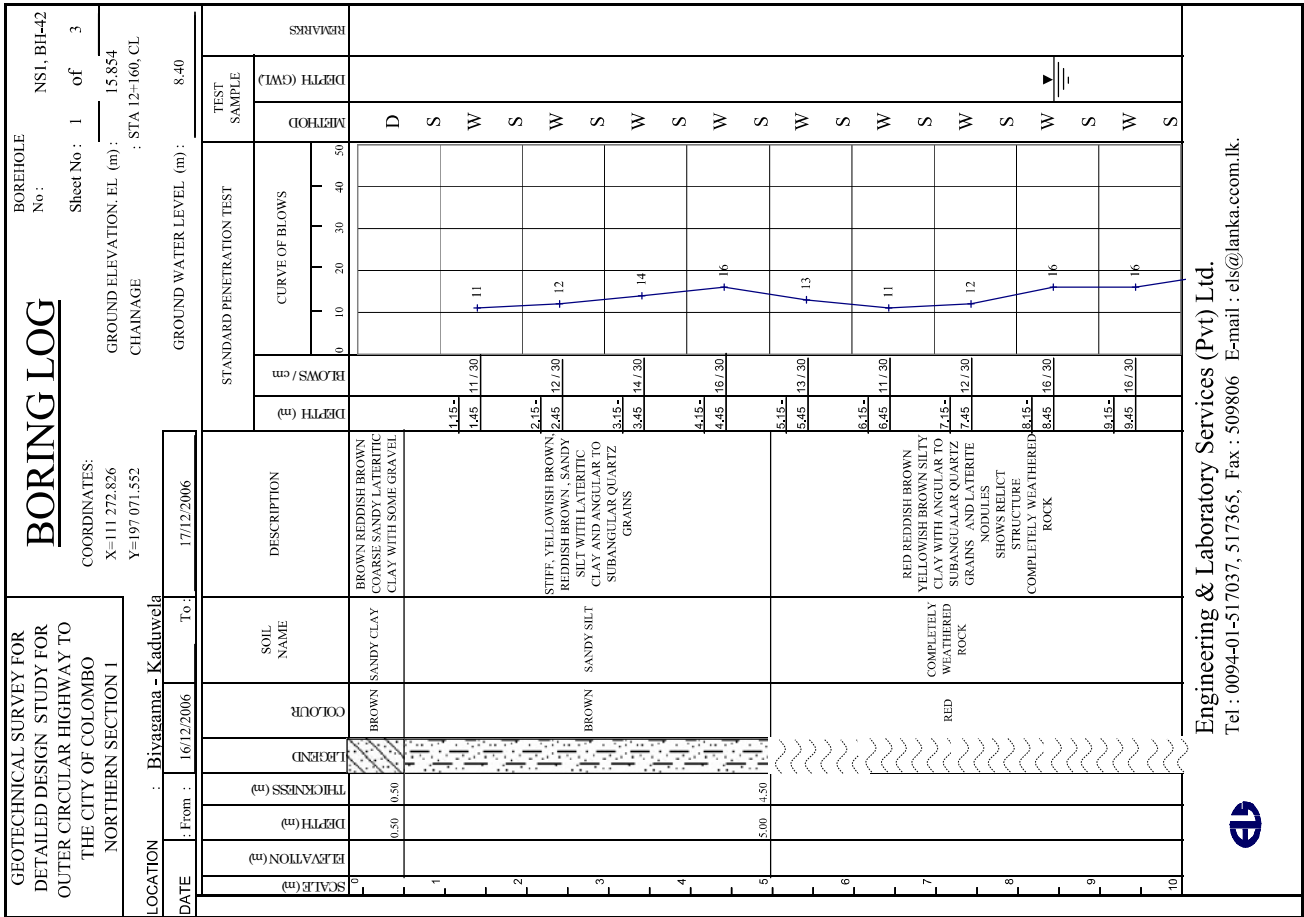
SOIL NAME	COLOUR	LEGEND	DESCRIPTION	STANDARD PENETRATION TEST		TEST SAMPLE		REMARKS
				DEPTH (m)	BLOWS / cm	METHOD	DEPTH (GWL)	
SANDY CLAY	GREY		DARK GREY, GREY, WHITISH GREY SANDY PEATY ORGANIC CLAY WITH GRASS ROOTS	1.15- 1.45	8/20	S		
SILTY CLAY	GREY		FIRM DARK GREY WHITISH GREY SLIGHTLY SILTY FINE SANDY CLAY	2.45- 2.45	13/20	W		
SANDY CLAY	GREY		STIFF DARK GREY WHITISH GREY FINE SANDY CLAY	3.15- 3.45	17/20	S		
SANDY CLAY	GREY		VERY STIFF, GREY BLACK FINE TO MEDIUM SANDY CLAY WITH PEAT	4.45- 4.45	23/20	W		
COMPLETELY WEATHERED ROCK	YELLOW		WHITISH YELLOW, GREYISH CLAYEY SAND WITH ANGULAR TO SUB ANGULAR QUARTZ GRAINS COMPLETELY WEATHERED ROCK	5.15- 5.45	30/20	S		
COMPLETELY WEATHERED ROCK	YELLOW		YELLOWISH BROWN, WHITISH GREY SLIGHTLY SILTY GREY FINED CLAYEY SAND COMPLETELY WEATHERED ROCK	7.15- 7.45	>50 / 20	W		
COMPLETELY WEATHERED ROCK	YELLOW		COMPLETELY WEATHERED ROCK	8.15- 8.45	>50 / 20	S		
END OF BORING			END OF BORING			W		

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-41 Sheet No: 1 of 1 GROUND ELEVATION, EL (m): 9.598 CHAINAGE : STA 12+050, CL GROUND WATER LEVEL (m): 1.30	
LOCATION : Bivagama-Kaduwele		DATE : From : 15/12/2006 To: 15/12/2006	
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)
0			
1	0.30	1.15- 1.45	0.30
2	2.05	2.45- 2.45	1.75
3		3.45- 3.45	
4	3.90	4.45- 4.45	1.50
5	5.70	5.15- 5.45	1.80
6			
7			
8			
9			
10			

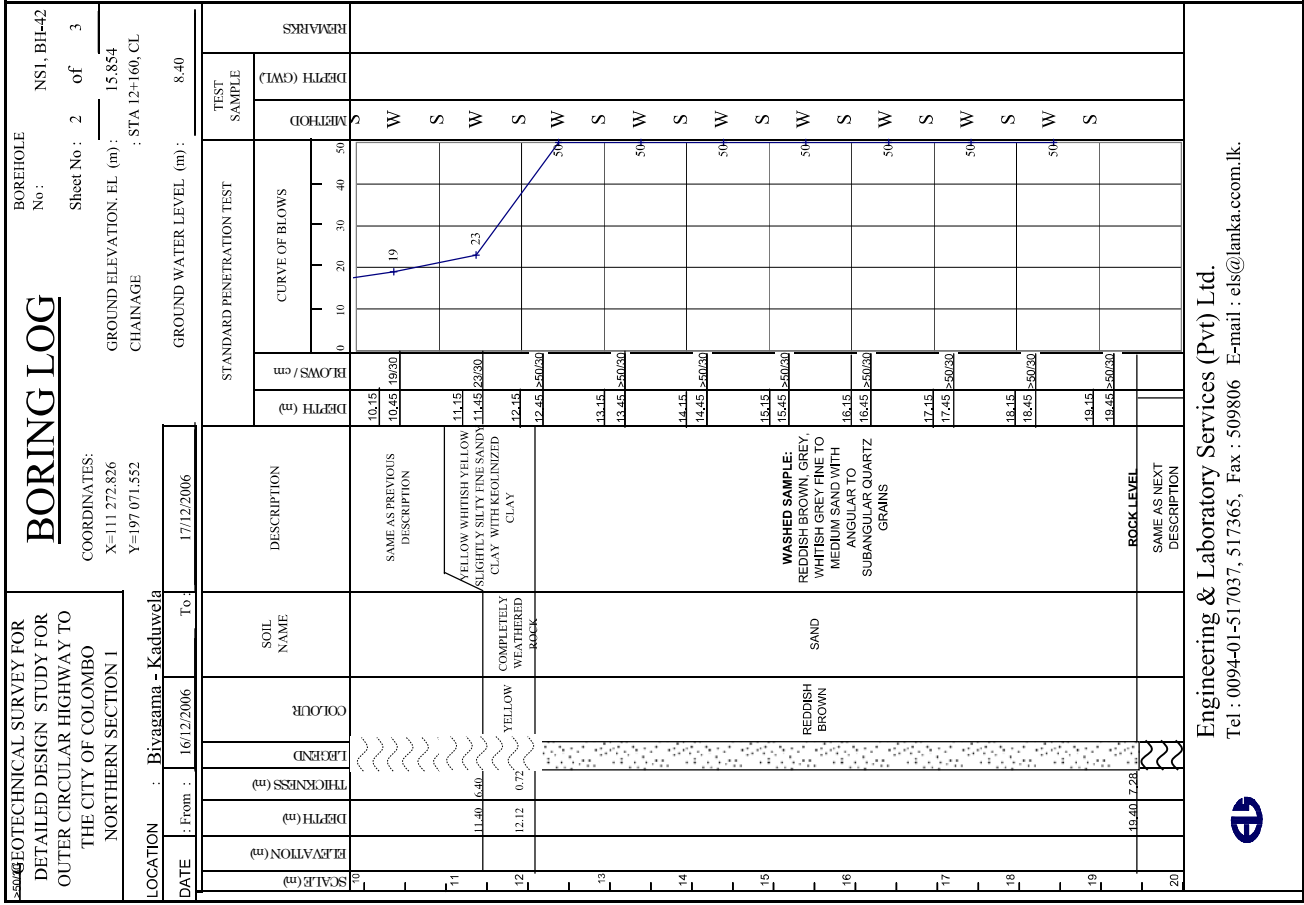
SOIL NAME	COLOUR	LEGEND	DESCRIPTION	STANDARD PENETRATION TEST		TEST SAMPLE		REMARKS
				DEPTH (m)	BLOWS / cm	METHOD	DEPTH (GWL)	
SANDY CLAY	BROWN		BROWN YELLOWISH BROWN FINE SANDY CLAY TOP-SOIL	1.15- 1.45	4/20	S		
SANDY CLAY	BROWN		SOFT BROWN, LIGHT BROWN, FINE SANDY CLAY	2.45- 2.45	8/20	W		
SANDY LATERITIC CLAY	RED		FIRM RED REDDISH BROWN, GREY SILTY LATERITIC CLAY WITH LATERITE NODULES	3.45- 3.45	9/20	S		
COMPLETELY WEATHERED ROCK	BROWN		YELLOWISH BROWN, SILT WITH COARSE SAND COMPLETELY WEATHERED ROCK	4.45- 4.45	>50 / 20	W		
END OF BORING			END OF BORING			S		

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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-42 Sheet No: 3 of 3 GROUND ELEVATION, EL (m): 15.854 CHAINAGE : STA 12+160, CL		BOREHOLE No: NS1, BH-43 Sheet No: 1 of 2 GROUND ELEVATION, EL (m): 5.618 CHAINAGE : STA 12+350, CL	
LOCATION : Bivagama - Kaduwela		DATE : From : 16/12/2006 To: 17/12/2006		DATE : From : 14/12/2006 To: 14/12/2006	
LOCATION : Bivagama - Kaduwela		GROUND WATER LEVEL (m): 8.40		GROUND WATER LEVEL (m): 0.20	
DEPTH (m)	EL ELEVATION (m)	DEPTH (m)	EL ELEVATION (m)	DEPTH (m)	EL ELEVATION (m)
20	20.45	1	1.35	1	1.15
21	21.50	2	1.35	2	1.45
22		3	2.18	3	2.15
23		4	3.50	4	2.45
24		5	5.00	5	3.15
25		6		6	3.45
26		7		7	3.70
27		8		8	4.15
28		9		9	4.45
29		10		10	4.45
30					

DEPTH (m)	SOIL NAME	COLOUR	LEGEND	THICKNESS (m)	DESCRIPTION	STANDARD PENETRATION TEST		TEST SAMPLE		REMARKS
						DEPTH (m)	BLOWS / cm	METHOD	DEPTH (GWL)	
0.00	SAND	REDDISH BROWN		0.00	WASHED SAMPLE: REDDISH BROWN, GREY WHITISH GREY SAND WITH ANGULAR TO SUBANGULAR QUARTZ GRAINS	0.00	0.0%	UD		
0.00	SAND	REDDISH BROWN		0.00	WASHED SAMPLE: REDDISH BROWN, GREY, WHITISH GREY, ANGULAR TO SUBANGULAR QUARTZ GRAINS	0.00	0.0%	S		
					END OF BORING			W		

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-42 Sheet No: 3 of 3 GROUND ELEVATION, EL (m): 15.854 CHAINAGE : STA 12+160, CL		BOREHOLE No: NS1, BH-43 Sheet No: 1 of 2 GROUND ELEVATION, EL (m): 5.618 CHAINAGE : STA 12+350, CL	
LOCATION : Bivagama - Kaduwela		DATE : From : 16/12/2006 To: 17/12/2006		DATE : From : 14/12/2006 To: 14/12/2006	
LOCATION : Bivagama - Kaduwela		GROUND WATER LEVEL (m): 8.40		GROUND WATER LEVEL (m): 0.20	
DEPTH (m)	EL ELEVATION (m)	DEPTH (m)	EL ELEVATION (m)	DEPTH (m)	EL ELEVATION (m)
20	20.45	1	1.35	1	1.15
21	21.50	2	1.35	2	1.45
22		3	2.18	3	2.15
23		4	3.50	4	2.45
24		5	5.00	5	3.15
25		6		6	3.45
26		7		7	3.70
27		8		8	4.15
28		9		9	4.45
29		10		10	4.45
30					

DEPTH (m)	SOIL NAME	COLOUR	LEGEND	THICKNESS (m)	DESCRIPTION	STANDARD PENETRATION TEST		TEST SAMPLE		REMARKS
						DEPTH (m)	BLOWS / cm	METHOD	DEPTH (GWL)	
0.00	SANDY CLAY	BLACK		1.35	BLACK DARK GREY FINE SANDY PEATY CLAY WITH GRASS ROOTS	1.15	2/30	UD		
1.35	SANDY CLAY	BLACK		1.35	VERY SOFT, BLACK, DARK GREY WHITISH GRAY MEDIUM SANDY CLAY	2.15	2/30	S		
2.18	COMPLETELY WEATHERED ROCK	BROWN		3.50	YELLOWISH BROWN, DARK BROWN, SILTY LATERITIC CLAY WITH FINE SAND AND SOME GRAVEL COMPLETELY WEATHERED ROCK	3.15	3/30	W		
3.50	COMPLETELY WEATHERED ROCK	YELLOW		5.00	YELLOW, WHITISH GREY ANGULAR TO SUBANGULAR COARSE SANDY RECOLINIZED CLAY COMPLETELY WEATHERED ROCK	3.45	3/30	S		
5.00						5.15	22/30	W		
						5.45	22/30	S		
						6.15		W		
						6.45	29/30	S		
						6.65	29/30	W		
						7.15		S		
						7.45	19/30	W		
						8.15		S		
						8.45	26/30	W		
						9.15		S		
						9.45	29/30	W		
								S		

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DATE	From: 14/12/2006	To: 14/12/2006	LOCATION	Bivagama-Kaduvela		GROUND WATER LEVEL (m): 0.20		
SCALE (m)	10		DEPTH (m)					
ELEVATION (m)			THICKNESS (m)					
DEPTH (m)			LEGEND					
COLOUR			SOIL NAME					
DESCRIPTION								
10	10.15	34/30						
	10.45	34/30						
11	11.15	26/30						
	11.45	26/30						
12	12.15	29/30						
	12.45	29/30						
13	13.15	>50/30						
	13.45	>50/30						
14	14.15	>50/30						
	14.45	>50/30						
15	END OF BORING							
16								
17								
18								
19								
20								

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DATE	From: 01/12/2006	To: 06/12/2006	LOCATION	Bivagama-Kaduvela		GROUND WATER LEVEL (m): 0.00		
SCALE (m)	0		DEPTH (m)					
ELEVATION (m)			THICKNESS (m)					
DEPTH (m)			LEGEND					
COLOUR			SOIL NAME					
DESCRIPTION								
1	1.15	17/30						
	1.45	17/30						
2	2.15	12/30						
	2.45	12/30						
3	3.15	13/30						
	3.45	13/30						
4	4.15	9/30						
	4.45	9/30						
5	5.15	13/30						
	5.45	13/30						
6	6.15	25/20						
	6.45	25/20						
7	7.15	19/30						
	7.45	19/30						
8	8.15	17/30						
	8.45	17/30						
9	9.15	26/30						
	9.45	26/30						
10								

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LOCATION : Bivagama-Kaduvela		DATE : From : 01/12/2006 To: 06/12/2006		STANDARD PENETRATION TEST		TEST SAMPLE						
DEPTH (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / 30	CURVE OF BLOWS	METHOD	REMARKS
10	10.15	10.45	30.00								W	
11	11.15	11.45	20.00								S	
12	12.15	12.45	29.00				SAME AS PREVIOUS DESCRIPTION				W	
13	13.15	13.45	39.00								S	
14	14.15	14.45	49.00								W	
15	15.15	15.45	>50.00								S	
16	15.70	15.70					ROCK LEVEL					
17							END OF BORING					
18												
19												
20												

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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NSI, BH-45 Sheet No: 1 of 2 COORDINATES: X=1111 424.639 Y=196 752.634		GROUND ELEVATION, EL. (m): 17.653 CHAINAGE : STA 12+518, CL		GROUND WATER LEVEL (m): 9.50						
LOCATION : Bivagama-Kaduvela		DATE : From : 01/12/2006 To: 01/12/2006		STANDARD PENETRATION TEST		TEST SAMPLE						
DEPTH (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / 30	CURVE OF BLOWS	METHOD	REMARKS
1		1.15			BROWN	SANDY CLAY	FIRM BROWN, REDDISH BROWN, PALE YELLOW SANDY LATERITIC CLAY WITH LATERITE NODULES	1.15	30		D	
2	1.90	2.45	1.90					2.45	7/30		S	
3		3.15						3.15	12/30		W	
4		4.15			BROWN	SANDY CLAY	FIRM YELLOW, REDDISH BROWN SANDY LATERITIC CLAY WITH LATERITE NODULES	4.15	8/30		S	
5		5.15						5.15	7/30		W	
6		6.15						6.15	11/20		S	
7	7.20	7.15	5.30					7.15	>50/30		W	
8		8.15			GREY	COMPLETELY WEATHERED ROCK	WHITISH GREY FINE SAND WITH WEATHERED FELDSPHAR PARTICLES AND TRACES OF MICA SHOWS RELICT STRUCTURE COMPLETELY WEATHERED ROCK	8.15	>50/30		W	
9		9.15						9.15	>50/30		S	
10		9.45						9.45	>50/30		W	

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GEO TECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-45 Sheet No: 2 of 2 GROUND ELEVATION, EL (m): 17.653 CHAINAGE : STA 12+518, CL	
LOCATION : Bivagama-Kaduwele		GROUND WATER LEVEL (m) : 9.50	
DATE	From : 01/12/2006	To : 01/12/2006	
10	ELEVATION (m)		
	DEPTH (m)		
	THICKNESS (m)		
	LEGEND		
	COLOUR		
	SOIL NAME		
	DESCRIPTION		
	DEPTH (m)	10.45	
	BLOWS / cm	50/20	
	STANDARD PENETRATION TEST		
	CURVE OF BLOWS		
	DEPTH (GWD)		
	METHOD	W	
	REMARKS		
11	ELEVATION (m)	10.70	13.50
	DEPTH (m)		
	THICKNESS (m)		
	LEGEND		
	COLOUR	GREY	
	SOIL NAME	BIOTITE GNEISS	
	DESCRIPTION	WHITISH GREY MEDIUM GRAINED SLIGHTLY FRACTURED FAINTLY DISCOLOURED GARNET BIOTITE GNEISS	
	DEPTH (m)	88%	
	BLOWS / cm	88%	
	STANDARD PENETRATION TEST		
	CURVE OF BLOWS		
	DEPTH (GWD)		
	METHOD	CS	
	REMARKS		
12	ELEVATION (m)	11.70	1.00
	DEPTH (m)		
	THICKNESS (m)		
	LEGEND		
	COLOUR	GREY	
	SOIL NAME	BIOTITE GNEISS	
	DESCRIPTION	WHITISH GREY MEDIUM GRAINED SLIGHTLY FRACTURED FAINTLY DISCOLOURED GARNET BIOTITE GNEISS	
	DEPTH (m)	100%	
	BLOWS / cm	90%	
	STANDARD PENETRATION TEST		
	CURVE OF BLOWS		
	DEPTH (GWD)		
	METHOD	CS	
	REMARKS		
13	ELEVATION (m)	12.70	1.00
	DEPTH (m)		
	THICKNESS (m)		
	LEGEND		
	COLOUR		
	SOIL NAME		
	DESCRIPTION	END OF BORING	
	DEPTH (m)	C	
	BLOWS / cm	r	
	STANDARD PENETRATION TEST		
	CURVE OF BLOWS		
	DEPTH (GWD)		
	METHOD		
	REMARKS		

GEO TECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-46 Sheet No: 1 of 1 GROUND ELEVATION, EL (m): 18.545 CHAINAGE : STA 12+555, L+125	
LOCATION : Bivagama-Kaduwele		GROUND WATER LEVEL (m) : Not encountered	
DATE	From : 06/12/2006	To : 06/12/2006	
0	ELEVATION (m)		
	DEPTH (m)		
	THICKNESS (m)		
	LEGEND		
	COLOUR		
	SOIL NAME		
	DESCRIPTION		
	DEPTH (m)	1.60	
	BLOWS / cm		
	STANDARD PENETRATION TEST		
	CURVE OF BLOWS		
	DEPTH (GWD)		
	METHOD	D	
	REMARKS		
1	ELEVATION (m)		
	DEPTH (m)		
	THICKNESS (m)		
	LEGEND		
	COLOUR	BROWN	
	SOIL NAME	SANDY CLAY	
	DESCRIPTION	BROWN, DARK BROWN, REDDISH BROWN COARSE SANDY LATERITIC CLAY WITH LATERITE NODULES	
	DEPTH (m)	1.60	
	BLOWS / cm		
	STANDARD PENETRATION TEST		
	CURVE OF BLOWS		
	DEPTH (GWD)		
	METHOD	W	
	REMARKS		
2	ELEVATION (m)		
	DEPTH (m)		
	THICKNESS (m)		
	LEGEND		
	COLOUR		
	SOIL NAME		
	DESCRIPTION	GREY, DARK GREY, WHITISH GREY FINE SAND WITH MICA COMPLETELY WEATHERED ROCK	
	DEPTH (m)	3.40	
	BLOWS / cm		
	STANDARD PENETRATION TEST		
	CURVE OF BLOWS		
	DEPTH (GWD)		
	METHOD	W	
	REMARKS		
3	ELEVATION (m)		
	DEPTH (m)		
	THICKNESS (m)		
	LEGEND		
	COLOUR	GREY	
	SOIL NAME	FRESH ROCK	
	DESCRIPTION	GREY MEDIUM GRAINED FRESH BIOTITE GNEISS	
	DEPTH (m)	100% 84%	
	BLOWS / cm		
	STANDARD PENETRATION TEST		
	CURVE OF BLOWS		
	DEPTH (GWD)		
	METHOD	CS	
	REMARKS		
4	ELEVATION (m)		
	DEPTH (m)		
	THICKNESS (m)		
	LEGEND		
	COLOUR		
	SOIL NAME		
	DESCRIPTION	END OF BORING	
	DEPTH (m)	C	
	BLOWS / cm	r	
	STANDARD PENETRATION TEST		
	CURVE OF BLOWS		
	DEPTH (GWD)		
	METHOD		
	REMARKS		

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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-47 Sheet No: 1 of 2 COORDINATES: X=111 563 949 Y=196 447.586		GROUND ELEVATION, EL (m): 9.779 CHAINAGE : STA 12+850, CL		GROUND WATER LEVEL (m): 2.70					
LOCATION : Bivagama-Kaduvela		DATE : From : 12/12/2006 To: 13/12/2006		STANDARD PENETRATION TEST		TEST SAMPLE					
DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)	REMARKS
0											
1	1.15		RED	SANDY CLAY	RED, REDDISH BROWN SANDY LATERITIC CLAY WITH LATERITE NODULES ORGANIC MATTER AND GRAVEL	1.15-1.45	7/20				
2	1.90		RED	SILTY SAND	LOOSE RED REDDISH BROWN SILTY FINE TO MEDIUM SAND WITH LATERITIC CLAY AND GRAVEL	1.45-2.15	15/20				
3						2.15-3.15	11/20				
4			YELLOW	SANDY CLAY	STIFF YELLOWISH BROWN SLIGHTLY SILTY FINE TO MEDIUM SANDY LATERITIC CLAY	3.15-4.45	13/20				
5						4.45-5.15	18/20				
6	6.00		GREY	CLAYEY SAND	LOOSE WHITTISH GREY RED LATERITIC CLAYEY FINE SAND	5.15-6.15	7/20				
7	6.90					6.15-7.45	17/20				
8						7.45-8.15	23/20				
9						8.15-9.15	20/20				
10						9.15-					


GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-47 Sheet No: 2 of 2 COORDINATES: X=111 563 949 Y=196 447.586		GROUND ELEVATION, EL (m): 9.779 CHAINAGE : STA 12+850, CL		GROUND WATER LEVEL (m): 2.70					
LOCATION : Bivagama-Kaduvela		DATE : From : 12/12/2006 To: 13/12/2006		STANDARD PENETRATION TEST		TEST SAMPLE					
DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)	REMARKS
10.50	3.60		RED	COMPLETELY WEATHERED ROCK	SAME AS PREVIOUS DESCRIPTION	10.15-10.45	23/20				
11						11.15-11.45	46/20				
12						12.15-12.45	50/20				
13						13.15-13.45	50/20				
14						14.15-14.45	50/20				
15						14.45-					



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GEO TECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-48 Sheet No: 1 of 2 COORDINATES: X=111 538.342 Y=196 434.974		GROUND ELEVATION, EL. (m): 4.882 CHAINAGE : STA 12+850, R+28		GROUND WATER LEVEL (m): 0.70					
LOCATION : Bivagama-Kaduvela		DATE : From : 13/12/2006 To: 14/12/2006		TEST SAMPLE		STANDARD PENETRATION TEST					
DEPTH (m)	ELEVATION (m)	THICKNESS (m)	LEGEND	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / 30	CURVE OF BLOWS	METHOD	DEPTH (GWI)	REMARKS
0											
1	1.00	1.00		FILL	BROWN LIGHT BROWN, FINE SANDY CLAY WITH GRASS ROOTS FILL.	1.15- 1.45	13 / 30	13	S		
2						2.15- 2.45	14 / 30	14	W		
3						3.15- 3.45	9 / 30	9	S		
4						4.15- 4.45	7 / 30	7	W		
5						5.15- 5.45	12 / 30	12	S		
6						6.15- 6.45	11 / 30	11	W		
7						7.15- 7.45	16 / 30	16	S		
8	7.70	6.70				8.15- 8.45	25 / 30	23	W		
9						9.15- 9.45	30 / 30	30	S		
10									W		
									S		

GEO TECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-48 Sheet No: 2 of 2 COORDINATES: X=111 538.342 Y=196 434.974		GROUND ELEVATION, EL. (m): 4.882 CHAINAGE : STA 12+850, R+28		GROUND WATER LEVEL (m): 0.70					
LOCATION : Bivagama-Kaduvela		DATE : From : 13/12/2006 To: 14/12/2006		TEST SAMPLE		STANDARD PENETRATION TEST					
DEPTH (m)	ELEVATION (m)	THICKNESS (m)	LEGEND	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / 30	CURVE OF BLOWS	METHOD	DEPTH (GWI)	REMARKS
10						10.15- 10.45	38/30	37	W		
11						11.15- 11.45	37/30	50	S		
12						12.15- 12.45	50/30		W		
13						13.15- 13.45	50/30		S		
14						14.15- 14.45	50/30		W		
15	15.05	7.35				15.15- 15.45	50/30		S		
16											
17											
18											
19											
20											



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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-49 Sheet No: 1 of 2 COORDINATES: X=11620.711 Y=196.307.279		GROUND ELEVATION, EL (m): 3.079 CHAINAGE : STA 13+000, CL		GROUND WATER LEVEL (m): 5.00					
LOCATION : Bivagama - Kaduwela		DATE : From : 28/12/2006 To: 29/12/2006		STANDARD PENETRATION TEST		TEST SAMPLE					
DEPTH (m)	ELEVATION (m)	THICKNESS (m)	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWD)	REMARKS
0	SCALE (m)		LEGEND								
1	1.00	1.00	GREY	SANDY CLAY	GREY LIGHT GREY FINE SANDY ORGANIC CLAY WITH FIBROUS MATTER	2.45 - 2.45	4/30	4	W		
2	2.00	1.00	GREY	SANDY CLAY	SOFT GREY WHITISH GREY FINE SANDY CLAY	3.45 - 3.45	22/30	22	S		
3					HARD WHITISH GREY REDDISH BROWN SANDY LATERITIC CLAY WITH LATERITE NODULES	4.45 - 4.45	9/30	9	W		
4	3.90	1.30				5.45 - 5.45	14/30	14	S		
5					STIFF PINK, DARK BROWN SANDY LATERITIC CLAY	6.45 - 6.45	15/30	15	W		
6			PINK	SANDY CLAY		7.45 - 7.45	21/30	21	S		
7	7.00	3.10			PINK GREENISH GREY FINE SAND WITH TRACES OF MICA	8.45 - 8.45	25/30	25	W		
8					SMALL CONTENT OF ANGULAR TO SUBANGULAR QUARTZ GRAINS	9.45 - 9.45	32/30	32	S		
9			PINK	COMPLETELY WEATHERED ROCK	COMPLETELY WEATHERED ROCK				W		
10									S		

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-49 Sheet No: 2 of 2 COORDINATES: X=11620.711 Y=196.307.279		GROUND ELEVATION, EL (m): 3.079 CHAINAGE : STA 13+000, CL		GROUND WATER LEVEL (m): 5.00					
LOCATION : Bivagama - Kaduwela		DATE : From : 28/12/2006 To: 29/12/2006		STANDARD PENETRATION TEST		TEST SAMPLE					
DEPTH (m)	ELEVATION (m)	THICKNESS (m)	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWD)	REMARKS
10	SCALE (m)		LEGEND								
11	11.00	4.00			SAME AS PREVIOUS DESCRIPTION	10.15 - 10.45	19/30	19	W		
12						11.45 - 11.45	15/30	15	S		
13						12.45 - 12.45	23/30	23	W		
14					COMPLETELY WEATHERED ROCK	13.45 - 13.45	28/30	28	S		
15					GREENISH GREY, WHITISH TO SUBANGULAR GRAINS WITH QUARTZ GRAVEL AND FRAGMENTS OF MICA	14.45 - 14.45	44/30	44	W		
16					COMPLETELY WEATHERED ROCK	15.45 - 15.45	>50/30	50	S		
17					ROCK LEVEL						
18					END OF THE BORING						
19											
20											

GEO TECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-50 Sheet No: 1 of 1 COORDINATES: X=111 656,340 Y=196 213,812 GROUND ELEVATION, EL. (m): 2.924 CHAINAGE : STA 13+100, CL												
LOCATION : Bivagama- Kaduwela		GROUND WATER LEVEL (m): 0.00m												
DATE	From: 04/01/07	To: 04/01/07												
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	STANDARD PENETRATION TEST	METHOD	DEPTH (GWD)	REMARKS
0														
1					GREY	SNDY CLAY	VERY SOFT GREY, LIGHT BROWN, FINE SANDY ORGANIC CLAY WITH PLANT ROOTS AND FIBROUS MATTER					D		
2	1.00	1.00	1.00					2.15 - 2.45	620			UD		
3	3.00	1.10			GREY	SANDY CLAY	SOFT WHITTISH GREY FINE SANDY PLASTIC CLAY	3.15 - 3.45	620	5		S		
4	3.90	0.90			GREY	SANDY CLAY	FIRM WHITTISH GREY FINE SANDY PLASTIC CLAY	4.15 - 4.45	1720	6		S		
5							WHITTISH GREY BLACKISH GREY FINE SAND WITH TRACES OF MICA SHOWS RELICT STRUCTURE COMPLETELY WEATHERED ROCK					S		
6					GREY	COMPLETELY WEATHERED ROCK						W		
7	6.45	2.55					ROCK LEVEL					S		
8							END OF BORING					W		
9														
10														

GEO TECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-51 Sheet No: 1 of 2 COORDINATES: X=111 690,312 Y=196 119,776 GROUND ELEVATION, EL. (m): 2.696 CHAINAGE : STA 13+200, CL												
LOCATION : Bivagama- Kaduwela		GROUND WATER LEVEL (m): 0.00												
DATE	From: 06/01/2007	To: 06/01/2007												
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	STANDARD PENETRATION TEST	METHOD	DEPTH (GWD)	REMARKS
0														
1					GREY	PEATY ORGANIC CLAY	GREY, DARK GREY, BLACKISH GREY PEATY ORGANIC CLAY WITH SOME FINE SAND AND PLANT FRAGMENTS	1.15 - 1.45	0730	0		UD		
2	2.10	2.10						2.15 - 2.45	620	6		S		
3					GREY	SILTY CLAY	FIRM WHITTISH GREY, YELLOWISH GREY SILTY PLASTIC CLAY WITH SOME FINE SAND	3.15 - 3.45	620	5		S		
4		4.70	2.60					4.15 - 4.45	1020	10		W		
5								5.15 - 5.45	320	3		S		
6					GREY	SILTY SAND	LOOSE GREY, WHITTISH GREY SILTY FINE TO MEDIUM SAND WITH KOLUINIZED CLAY	6.15 - 6.45	720	7		W		
7								7.15 - 7.45	3020	30		S		
8	8.00	3.30						8.15 - 8.45	3920	39		W		
9					GREY	SILTY SAND	GREY, DARK GREY, YELLOWISH GREY SILTY FINE SAND WITH TRACES OF MICA	9.15 - 9.45	1920	19		S		
10								9.45 - 19.20				W		



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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I										BOREHOLE No: NS1, BH-51 Sheet No: 2 of 2 COORDINATES: X=111 690,312 Y=196 119,776 GROUND ELEVATION, EL (m): 2.696 CHAINAGE : STA 13+200, CL									
LOCATION : Bivagama - Kaduwela DATE : From : 06/01/2007 To : 06/01/2007 GROUND WATER LEVEL (m) : 0.00										LOCATION : Bivagama - Kaduwela DATE : From : 05/01/2007 To : 05/01/2007 GROUND WATER LEVEL (m) : 0.00									
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWD)	REMARKS						
10																			
11	10.90	2.90					SAME AS PREVIOUS DESCRIPTION ROCK LEVEL				W								
12							END OF BORING				S								
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I										BOREHOLE No: NS1, BH-52 Sheet No: 1 of 2 COORDINATES: X=111 722,542 Y=196 025,097 GROUND ELEVATION, (m): 2.545 CHAINAGE : STA 13+300, CL									
LOCATION : Bivagama - Kaduwela DATE : From : 05/01/2007 To : 05/01/2007 GROUND WATER LEVEL (m) : 0.00										LOCATION : Bivagama - Kaduwela DATE : From : 05/01/2007 To : 05/01/2007 GROUND WATER LEVEL (m) : 0.00									
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWD)	REMARKS						
1					BROWN	PEATY CLAY	BROWN, LIGHT BROWN, PEATY ORGNAIC CLAY WITH DECOMPOSED PLANT FRAGMENTS	1.15 - 1.45	07/30		D								
2	2.00	2.00					VERY SOFT GREY WHITTISH GREY SLIGHTLY SILTY FINE SANDY CLAY	2.15 - 2.45	07/30		S								
3	3.30	3.30	0.90				FIRM YELLOWISH GREY WHITTISH GREY SILTY CLAY WITH SOME FINE SAND	3.15 - 3.45	2/30		W								
4					YELLOW	SILTY CLAY	FIRM YELLOWISH GREY WHITTISH GREY SILTY CLAY WITH SOME FINE SAND	4.15 - 4.45	7/30		S								
5	5.00	5.00	2.10		BLACK	SILTY ORGANIC CLAY	SOFT BLACK DARK GREY SILTY ORGANIC CLAY	5.15 - 5.45	4/30		W								
6	6.30	6.30	1.30				DENSE GREY, WHITTISH GREY SLIGHTLY SILTY MEDIUM ANGULAR TO SUBANGULAR SAND	6.15 - 6.45	12/30		S								
7								7.15 - 7.45	46/30		W								
8					GREY	SILTY SAND	DENSE GREY, WHITTISH GREY SLIGHTLY SILTY MEDIUM ANGULAR TO SUBANGULAR SAND	8.15 - 8.45	50/30		S								
9								9.15 - 9.45	25/30		W								
10	10.00	10.00	3.70								S								



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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-52 Sheet No: 2 of 2 COORDINATES: X=111 722.542 Y=196 025.097		GROUND ELEVATION, EL. (m): 2.545 CHAINAGE : STA 13+300, CL		GROUND WATER LEVEL (m): 0.00								
LOCATION : Bivagama - Kaduwela		DATE : From : 05/01/2007 To: 05/01/2007		LOCATION : Bivagama - Kaduwela		DATE : From : 07/01/2007 To: 07/01/2007								
10	SCALE (m)	11.20	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	STANDARD PENETRATION TEST BLOWS / cm	CURVE OF BLOWS	TEST SAMPLE METHOD	DEPTH (GWL)	REMARKS
11		1.20		10.45			GREY	COMPLETELY WEATHERED ROCK	GREY DARK GREY SLIGHTLY KEOLINIZED CLAYEY SILTY FINE SAND WITH TRACES OF MICA COMPLETELY WEATHERED ROCK	10.45-10.60		S		
12								ROCK LEVEL				W		
13								END OF BORING				S		
14												W		
15														
16														
17														
18														
19														
20		10.00	3.70											

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-53 Sheet No: 1 of 2 COORDINATES: X=111 753.039 Y=195 929.856		GROUND ELEVATION, EL. (m): 2.379 CHAINAGE : STA 13+400, CL		GROUND WATER LEVEL (m): 0.00								
LOCATION : Bivagama - Kaduwela		DATE : From : 07/01/2007 To: 07/01/2007		LOCATION : Bivagama - Kaduwela		DATE : From : 07/01/2007 To: 07/01/2007								
0	SCALE (m)		ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	STANDARD PENETRATION TEST BLOWS / cm	CURVE OF BLOWS	TEST SAMPLE METHOD	DEPTH (GWL)	REMARKS
1				1.15			BROWN	PEATY CLAY	BROWN, GREYISH BROWN PEATY ORGANIC CLAY WITH DECOMPOSED PLANT FRAGMENTS	1.15-1.45		D		
2				2.15						2.15-2.45				
3				2.45	2.70					2.45-3.15				
4				4.30	1.60		GREY	SILTY CLAY	FIRM WHITTISH GRAY, LIGHT BROWN SILTY CLAY	3.15-3.45				
5				4.45						3.45-4.15				
6				6.00	3.30		GREY	SILTY SAND	LOOSE-BLACKISH GREY, SLIGHTLY SILTY, MEDIUM TO COARSE ANGULAR TO SUBANGULAR SAND	4.15-4.45				
7				6.90	0.90		GREY	SILTY CLAY	STIFF, WHITTISH GRAY, SILTY CLAY WITH FINE SAND	4.45-6.00				
8										6.15-6.45				
9							GREY	SILTY SAND	DENSE WHITTISH GRAY, GREY, SLIGHTLY SILTY, MEDIUM TO COARSE ANGULAR TO SUBANGULAR SAND WITH SOME GRAVEL	6.45-7.15				
10										7.15-7.45				

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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1		BOREHOLE No: NS1, BH-53 Sheet No: 2 of 2 COORDINATES: X=111 753 .039 Y=195 929.856 GROUND ELEVATION, EL. (m): 2.379 CHAINAGE : STA 13+400, CL									
LOCATION : Bivagama - Kaduwela		GROUND WATER LEVEL (m): 0.00									
DATE : From : 07/01/2007 To: 07/01/2007											
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	STANDARD PENETRATION TEST BLOWS / 30 DEPTH (m)	CURVE OF BLOWS	TEST SAMPLE METHOD DEPTH (GWD)	REMARKS
10		10.15					SAME AS PREVIOUS DESCRIPTION	10.15-10.45 44/30	44	W	
11	11.00	11.15	4.10			COMPLETELY WEATHERED ROCK	GREY BROWN SILTY GREY YELLOW SLIGHTLY KEOLINIZED CLAYEY SAND WITH ANGULAR TO SUBANGULAR FINE TO MEDIUM QUARTZ GRAINS AND TRACES OF MICA SHOWS RELICT STRUCTURE COMPLETELY WEATHERED ROCK LEVEL	11.15-11.45 50/30	50	S W	
12		12.70	1.70		GREY						
13							END OF BORING				
14											
15											
16											
17											
18											
19											
20											

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1		BOREHOLE No: NS1, BH-54 Sheet No: 1 of 2 COORDINATES: X=111781.813 Y=195 834.053 GROUND ELEVATION, EL. (m): 2.160 CHAINAGE : STA 13+500, CL									
LOCATION : Bivagama - Kaduwela		GROUND WATER LEVEL (m): 0.00									
DATE : From : 08/01/2007 To: 08/01/2007											
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	STANDARD PENETRATION TEST BLOWS / 30 DEPTH (m)	CURVE OF BLOWS	TEST SAMPLE METHOD DEPTH (GWD)	REMARKS
0		1.15					BROWN DARK BROWN, PEATY ORGANIC CLAY WITH DECOMPOSED PLANT FRAGMENTS.	1.15-1.45 0/30	0	S	
1		2.45			BROWN	PEATY CLAY		2.45-3.15 0/30	3	W	
2		3.15					SOFT, DARK BROWN, WHITISH GREY SILTY PLASTIC CLAY WITH SOME FINE SAND	3.15-3.45 3/30	6	S	
3		4.15						4.15-4.45 6/30	19	W	
4		4.45						4.45-5.15 19/30	16	S	
5	5.00	5.15	3.70		GREY	SILTY CLAY	VERY STIFF, DARK GRAY, SILTY ORGANIC CLAY WITH SAND	5.15-6.45 18/30	47	W	
6	5.30	6.45	2.70		GREY	SILTY SAND	MEDIUM DENSE, BLUSH GRAY, LIGHT GRAY SILTY FINE TO MEDIUM SAND WITH CLAY AND SOME MEDIUM GRAVEL	6.45-7.15 47/30	47	S	
7		7.15					DARK GRAY, WHITISH GRAY, YELLOWISH GREY SLIGHTLY KEOLINIZED CLAYEY SILTY FINE SAND WITH TRACES OF MICA. SHOWS RELICT STRUCTURE COMPLETELY WEATHERED ROCK	7.15-8.15 47/30	47	W	
8	7.70	8.15	5.50		GREY	COMPLETELY WEATHERED ROCK		8.15-9.45 50/30	50	S	
9		9.45									
10											



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GEO TECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I										BOREHOLE No: NSI, BH-54 Sheet No: 2 of 2 COORDINATES: X=111781.813 Y=195 834.053 GROUND ELEVATION, EL (m): 2.160 CHAINAGE : STA 13+500, CL																
LOCATION : Bivagama - Kaduwela										GROUND WATER LEVEL (m) : 0.00																
DATE : From : 08/01/2007 To: 08/01/2007					SOIL NAME					DESCRIPTION					STANDARD PENETRATION TEST					TEST SAMPLE						
DEPTH (m)	THICKNESS (m)	COLOUR	LEGEND	DEPTH (m)	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)	REMARKS	DEPTH (m)	THICKNESS (m)	COLOUR	LEGEND	DEPTH (m)	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)	REMARKS	
10				10.15				50/30		W																
11				10.45		SAME AS PREVIOUS DESCRIPTION		50/30		S																
12				11.15				50/30		W																
13				12.70		ROCK LEVEL				W																
14				7.20		END OF BORING																				
15																										
16																										
17																										
18																										
19																										
20																										

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GEO TECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I										BOREHOLE No: NSI, BH-55 Sheet No: 1 of 2 COORDINATES: X=111 808.806 Y=195 737 757 GROUND ELEVATION, EL (m): 1.224 CHAINAGE : STA 13+600, CL																
LOCATION : Bivagama - Kaduwela										GROUND WATER LEVEL (m) : 0.00																
DATE : From : 16/12/2006 To: 17/12/2006					SOIL NAME					DESCRIPTION					STANDARD PENETRATION TEST					TEST SAMPLE						
DEPTH (m)	THICKNESS (m)	COLOUR	LEGEND	DEPTH (m)	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)	REMARKS	DEPTH (m)	THICKNESS (m)	COLOUR	LEGEND	DEPTH (m)	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)	REMARKS	
1				1.15		BROWN DARK BROWN, FINE TO MEDIUM SANDY CLAY		07/30																		
2				2.45				07/30																		
3				3.15				57/30																		
4				4.45		FIRM YELLOWISH BROWN, LIGHT BROWN SILTY PLASTIC CLAY		7/30																		
5				5.15				16/30																		
6				6.15		MEDIUM DENSE, DARK GREY, SILTY MEDIUM TO COARSE SAND WITH CLAY		33/30																		
7				7.45				42/50																		
8				8.45		COMPLETELY WEATHERED ROCK		>50/30																		
9				9.45				>50/30																		
10				9.45				>50/30																		

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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-55 Sheet No: 2 of 2 COORDINATES: X=111 808.806 Y=19707153945 GROUND ELEVATION, EL (m) : 1.224 CHAINAGE : STA 12+160, CL	
LOCATION : Bivagama - Kaduwela		GROUND WATER LEVEL (m) : 0.00	
DATE	From : 16/12/2006	To : 17/12/2006	
SCALE (m)	ELEVATION (m)	DEPTH (m)	REMARKS
10			
	10.75	4.75	
			SAME AS PREVIOUS DESCRIPTION
			ROCK LEVEL
			END OF BORING
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-56 Sheet No: 1 of 2 COORDINATES: X=111 833.902 Y=195 641.025 GROUND ELEVATION, EL (m) : 1.726 CHAINAGE : STA 13+700, CL	
LOCATION : Bivagama - Kaduwela		GROUND WATER LEVEL (m) : 0.00	
DATE	From : 16/12/2006	To : 17/12/2006	
SCALE (m)	ELEVATION (m)	DEPTH (m)	REMARKS
0			
1		1.15	BROWN, DARK BROWN FINE TO MEDIUM SANDY ORGANIC CLAY
2		2.15	
3		3.15	HARD RED REDDISH BROWN SILTY LATERITIC CLAY
4		4.15	
5		5.15	HARD RED REDDISH BROWN SILTY LATERITIC CLAY
6		6.15	
7		7.15	VERY STIFF, BLACK BLACKISH BROWN SILTY ORGANIC CLAY WITH PEAT AND SOME SAND
8		8.15	DENSE GREY, WHITISH GREY SILTY FINE TO MEDIUM SAND WITH KEONIZED CLAY AND SILTY DARK GREY SILTY DARK GREY
9		9.15	SLIGHTLY CLAYEY FINE TO MEDIUM SAND WITH MICCA
10		10.15	COMPLETELY WEATHERED ROCK

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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-56 Sheet No: 2 of 2 GROUND ELEVATION, EL. (m): 1.726 CHAINAGE : STA.13+700, CL		BOREHOLE No: NS1, BH-57 Sheet No: 1 of 2 GROUND ELEVATION, EL. (m): 1616 CHAINAGE : STA.13+800									
LOCATION : Bivagama - Kaduwela		DATE : From : 16/12/2006 To: 17/12/2006		DATE : From : 24/01/2007 To: 24/01/2007									
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / 30	CURVE OF BLOWS	STANDARD PENETRATION TEST	TEST SAMPLE	REMARKS
0	10	10.15						10.15	>50/30	0 10 20 30 40 50		METHOD	
11	11.10	11.15	2.20	~~~~~			SAME AS PREVIOUS DESCRIPTION	10.45	>50/20			W	
12		11.45					ROCK LEVEL	11.45	>50/20			S	
13							END OF BORING					W	
14													
15													
16													
17													
18													
19													
20													

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-57 Sheet No: 1 of 2 GROUND ELEVATION, EL. (m): 1616 CHAINAGE : STA.13+800		BOREHOLE No: NS1, BH-57 Sheet No: 1 of 2 GROUND ELEVATION, EL. (m): 1616 CHAINAGE : STA.13+800									
LOCATION : Bivagama - Kaduwela		DATE : From : 24/01/2007 To: 24/01/2007		DATE : From : 24/01/2007 To: 24/01/2007									
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / 30	CURVE OF BLOWS	STANDARD PENETRATION TEST	TEST SAMPLE	REMARKS
0	10	1.00						1.15	>50/30	0 10 20 30 40 50		METHOD	
1	1.00	1.00	1.00		BROWN	SILTY CLAY	BROWN/DARK BROWN SILTY ORGANIC CLAY WITH GRASS ROOTS TOPSOIL.	1.15	>50/30			D	
2	2.30	2.30	1.30		BLACK	ORGANIC CLAY	VERY SOFT BLACK BLACKISH BROWN PEATY ORGANIC CLAY	2.45	>50/30			S	
3								3.15	>50/30			UD	
4					YELLOW	SANDY CLAY	STIFF, YELLOWISH BROWN, SLIGHTLY SILTY, FINE SANDY CLAY	3.45	13/30	13		S	
5	5.00	5.00	2.70					4.15	>50/30			W	
6					BLACK	ORGANIC CLAY	VERY SOFT BLACK, BLACKISH PEATY ORGANIC CLAY	4.45	18/30	18		S	
7	7.20	7.20	2.20					5.15	>50/30			W	
8					GREY	SILTY SAND	VERY DENSE GREY, DARK GREY SILTY FINE TO MEDIUM SAND WITH MINOR QUANTITY OF CLAY	6.15	>50/30			S	
9	9.00	9.00	1.80					6.45	>50/30			W	
10								9.15	>50/30	28		S	



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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No.: NS1, BH-57 Sheet No: 2 of 2 COORDINATES: X=111 855.630 Y=195 543.388		GROUND ELEVATION, EL. (m): 1616 CHAINAGE : STA13+800		GROUND WATER LEVEL (m): 0.00							
LOCATION : Bivagama - Kaduwela		DATE : From : 24/01/2007 To: 24/01/2007											
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	STANDARD PENETRATION TEST	TEST SAMPLE	REMARKS
												METHOD	DEPTH (GWL)
10		10.15						10.15	47/30	47		W	
11		10.45						10.45	50/30	50		W	
12		11.15						11.15	>50/30			S	
13		12.15						12.15	>50/30			S	
14	13.80	13.45	4.30		GREY	CLAYEY SAND	GREY WHITISH GREY SILTY REDDISH CLAYEY SAND WITH SOME QUARTZ GRAVEL	13.45	>50/30			W	
15		13.15						13.15	>50/30			S	
16		13.45						13.45	>50/30			W	
17		14.15						14.15	>50/30			S	
18		14.45						14.45	>50/30			W	
19		15.15						15.15	>50/30			S	
20		15.45						15.45	>50/30			W	
END OF BORING													

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No.: NS1, BH-58 Sheet No: 1 of 2 COORDINATES: X=111 873.703 Y=195 445.049		GROUND ELEVATION, EL. (m): 1.690 CHAINAGE : STA 13+900, CL		GROUND WATER LEVEL (m): 0.00							
LOCATION : Bivagama - Kaduwela		DATE : From : 25/01/2007 To: 25/01/2007											
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	STANDARD PENETRATION TEST	TEST SAMPLE	REMARKS
												METHOD	DEPTH (GWL)
0												D	
1		1.30	1.30		BROWN	ORGANIC CLAY	BROWN, DARK BROWN, ORGANIC CLAY WITH DECOMPOSED PLANT FRAGMENTS	1.15-	0/30	0		S	
2								2.45-	0/30	0		UD	
3		3.00	1.70		BROWN	SILTY CLAY	VERY SOFT BROWN YELLOWISH BROWN SILTY CLAY WITH FINE SAND	2.45-	4/30	4		S	
4		4.10	1.10		YELLOW	SILTY CLAY	SOFT YELLOWISH BROWN SILTY CLAY WITH FINE SAND	3.45-	4/30	4		W	
5								4.45-	8/30	8		W	
6		6.00	1.90		BLACK	ORGANIC CLAY	FIRM BLACK PEATY ORGANIC CLAY WITH SOME FINE SAND	5.15-	0/30	0		S	
7								6.45-	0/30	0		W	
8								7.15-	15/30	15		S	
9		9.00	3.00		GREY	CLAYEY SAND	STIFF GREY YELLOWISH GREY SILTY CLAYEY FINE SAND	7.45-	20/30	20		W	
10								9.45-	31/30	31		S	
SAME AS NEXT DESCRIPTION								9.45-	31/30			W	

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-58 Sheet No: 2 of 2 COORDINATES: X=111 873.703 Y=195 445.049 GROUND ELEVATION, EL. (m): 1.690 CHAINAGE : STA 13+900, CL	
LOCATION : Bivagama - Kaduwela		GROUND WATER LEVEL (m): 0.00	
DATE	From : 25/01/2007	To : 25/01/2007	DATE
10	SCALE (m)		
11	ELEVATION (m)		
12	DEPTH (m)		
13	THICKNESS (m)		
14	LEGEND		
15	COLOUR	GREY	
16	SOIL NAME	COMPLETELY WEATHERED ROCK	
17	DESCRIPTION	GREY BLACKISH GREY SILTY KIOLINIZED CLAYEY FINE SAND WITH HIGH CONTENT OF MICA COMPLETELY WEATHERED ROCK	
18	DEPTH (m)	10.15 10.45	
19	BLOWS / cm	50/30	
20	CURVE OF BLOWS		
	STANDARD PENETRATION TEST		
	TEST SAMPLE		
	METHOD	W	
	DEPTH (GWL)		
	REMARKS		
10	SCALE (m)		
11	ELEVATION (m)		
12	DEPTH (m)		
13	THICKNESS (m)	12.70	
14	LEGEND		
15	COLOUR		
16	SOIL NAME		
17	DESCRIPTION	ROCK LEVEL	
18	DEPTH (m)	12.15 12.45	
19	BLOWS / cm	50/30	
20	CURVE OF BLOWS		
	STANDARD PENETRATION TEST		
	TEST SAMPLE		
	METHOD	S	
	DEPTH (GWL)		
	REMARKS		
10	SCALE (m)		
11	ELEVATION (m)		
12	DEPTH (m)		
13	THICKNESS (m)		
14	LEGEND		
15	COLOUR		
16	SOIL NAME		
17	DESCRIPTION	END OF BORING	
18	DEPTH (m)		
19	BLOWS / cm		
20	CURVE OF BLOWS		
	STANDARD PENETRATION TEST		
	TEST SAMPLE		
	METHOD	W	
	DEPTH (GWL)		
	REMARKS		

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-59 Sheet No: 1 of 2 COORDINATES: X=111 888.189 Y=195 346.133 GROUND ELEVATION, EL. (m): 1.751 CHAINAGE : STA 14+000, CL	
LOCATION : Bivagama - Kaduwela		GROUND WATER LEVEL (m): 0.00	
DATE	From : 26/01/2006	To : 26/01/2007	DATE
0	SCALE (m)		
1	ELEVATION (m)		
2	DEPTH (m)		
3	THICKNESS (m)		
4	LEGEND		
5	COLOUR	BROWN	
6	SOIL NAME	SILTY CLAY	
7	DESCRIPTION	BROWN, DARK BROWN, SILTY CLAY WITH DECOMPOSED PLANT FRAGMENTS TOP SOIL	
8	DEPTH (m)	1.15 1.45	
9	BLOWS / cm	0/30	
10	CURVE OF BLOWS		
	STANDARD PENETRATION TEST		
	TEST SAMPLE		
	METHOD	D	
	DEPTH (GWL)		
	REMARKS		
1	SCALE (m)		
2	ELEVATION (m)		
3	DEPTH (m)		
4	THICKNESS (m)		
5	LEGEND		
6	COLOUR	BROWN	
7	SOIL NAME	SILTY CLAY	
8	DESCRIPTION	VERY SOFT BROWN, DARK BROWN SILTY ORGANIC CLAY 3.00-3.45 SAMPLE CONSISTS WITH MEDIUM SAND	
9	DEPTH (m)	2.15 2.45	
10	BLOWS / cm	0/30	
11	CURVE OF BLOWS		
	STANDARD PENETRATION TEST		
	TEST SAMPLE		
	METHOD	S	
	DEPTH (GWL)		
	REMARKS		
1	SCALE (m)		
2	ELEVATION (m)		
3	DEPTH (m)		
4	THICKNESS (m)		
5	LEGEND		
6	COLOUR	BROWN	
7	SOIL NAME	SANDY CLAY	
8	DESCRIPTION	VERY SOFT BROWN, DARK BROWN FINE SANDY ORGANIC CLAY	
9	DEPTH (m)	5.15 5.45	
10	BLOWS / cm	0/30	
11	CURVE OF BLOWS		
	STANDARD PENETRATION TEST		
	TEST SAMPLE		
	METHOD	S	
	DEPTH (GWL)		
	REMARKS		
1	SCALE (m)		
2	ELEVATION (m)		
3	DEPTH (m)		
4	THICKNESS (m)		
5	LEGEND		
6	COLOUR	BROWN	
7	SOIL NAME	SANDY CLAY	
8	DESCRIPTION	STIFF GREY, DARK GREY FINE SANDY CLAY WITH SILT	
9	DEPTH (m)	8.15 8.45	
10	BLOWS / cm	27/30	
11	CURVE OF BLOWS		
	STANDARD PENETRATION TEST		
	TEST SAMPLE		
	METHOD	S	
	DEPTH (GWL)		
	REMARKS		
1	SCALE (m)		
2	ELEVATION (m)		
3	DEPTH (m)		
4	THICKNESS (m)		
5	LEGEND		
6	COLOUR	GREY	
7	SOIL NAME	SANDY CLAY	
8	DESCRIPTION	SAME AS PREVIOUS DESCRIPTION	
9	DEPTH (m)	9.15 9.45	
10	BLOWS / cm	31/30	
11	CURVE OF BLOWS		
	STANDARD PENETRATION TEST		
	TEST SAMPLE		
	METHOD	W	
	DEPTH (GWL)		
	REMARKS		

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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-59 Sheet No: 2 of 2 GROUND ELEVATION, EL. (m): 1.751 CHAINAGE : STA 14 + 000, CL										
LOCATION : Bivagama - Kaduwela		GROUND WATER LEVEL (m): 0.00										
DATE : From : 26/01/2007 To: 26/01/2007												
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)	REMARKS
10		10.15	10.45	>50/30						S		
11		11.15	11.45	>50/30		COMPLETELY WEATHERED ROCK	DARK GREY, YELLOWISH GREY SILTY, WITH HIGH CONTENT WITH MICA COMPLETELY WEATHERED ROCK			W		
12		12.15	12.45	>50/30						S		
13	12.90	3.45				ROCK LEVEL	ROCK LEVEL			S		
14							END OF BORING					
15												
16												
17												
18												
19												
20												

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I		BOREHOLE No: NS1, BH-60 Sheet No: 1 of 1 GROUND ELEVATION, EL. (m): 1.786 CHAINAGE : STA 14+100, CL										
LOCATION : Bivagama - Kaduwela		GROUND WATER LEVEL (m): 0.00										
DATE : From : 27/01/2007 To: 27/01/2007												
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)	REMARKS
0												
1	1.00	1.00	1.00		BROWN	SILTY CLAY	DARK BROWN, BROWN, SILTY CLAY WITH FINE SAND AND DECOMPOSED PLANT ROOTS TOPSOIL	1.15-1.45	0/30	D		
2					BLACK	ORGANIC CLAY	BLACKISH BROWN, WHITISH GREY PEATY ORGANIC CLAY WITH SILT	2.15-2.45	0/30	S		
3	2.90	1.90			GREY	SILTY SAND	LOOSE GREY, WHITISH GREY SLIGHTLY CLAYEY SILTY FINE SAND	3.15-3.45	7/30	W		
4	4.15	1.25			GREY	SANDY CLAY	STIFF GREY, WHITISH GREY SLIGHTLY SILTY FINE TO MEDIUM SANDY CLAY	4.15-4.45	13/30	S		
5	5.00	0.85						5.15-5.45	10/30	W		
6								6.15-6.45	>50/30	S		
7					BLACK	COMPLETELY WEATHERED ROCK	BLACK BLACKISH GREY SLIGHTLY SILTY SAND WITH MICA COMPLETELY WEATHERED ROCK	7.45-7.45	>50/30	W		
8								8.15-8.45	>50/30	S		
9								9.15-9.45	>50/30	W		
10	10.00	5.00					ROCK LEVEL	9.45-9.45	>50/30	S		



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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I										BOREHOLE No: NS1, BH-61 Sheet No: 1 of 1 COORDINATES: X=111 909.687 Y=195 007.010 GROUND ELEVATION, EL (m): CHAINAGE : STA 14+340, CL GROUND WATER LEVEL (m): 0.00									
LOCATION : Bivagama - Kaduwela										DATE : From : 27/01/2007 To: 27/01/2007									
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	STANDARD PENETRATION TEST		TEST SAMPLE		REMARKS							
								DEPTH (m)	BLOWS / cm	METHOD	DEPTH (GWL)								
0																			
1					GREY	SANDY CLAY	VERY SOFT GREY, LIGHT GREY FINE SANDY CLAY WITH ORGANIC MATTER WITH SOME AMOUNT OF PEAT	1.15-1.45 0.30-0.30	0	D									
2								2.15-2.45 0.30	0	S									
3		2.45	2.45			SAND	LOOSE WHITE OFF WHITE, GREY CLAYE FINE SAND WITH WEATHERED FELDSPAR PARTICLES	3.15-3.45 0.30	6	UD									
4		3.90	1.45					4.15-4.45 21/30	21	S									
5								5.15-5.45 34/30	34	W									
6					GREY	COMPLETELY WEATHERED ROCK	WHITISH GREY, WHITE FINE SAND WITH WEATHERED FELDSPAR PARTICLES AND SOME AMOUNT OF TRACES OF MICA	6.15-6.45 29/30	29	S									
7							COMPLETELY WEATHERED ROCK	7.15-7.45 50/30	50	W									
8								8.15-8.45 50/30		S									
9								9.15-9.45 50/30		W									
10	10.00	6.10					ROCK LEVEL END OF BORING			S									

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I										BOREHOLE No: NS1, BH-62 Sheet No: 1 of 1 COORDINATES: X=111 940.820 Y=194 936.324 GROUND ELEVATION, EL (m): CHAINAGE : STA 14+410, L-32 GROUND WATER LEVEL (m): 0.10									
LOCATION : Bivagama - Kaduwela										DATE : From : 17/12/2006 To: 17/12/2006									
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	STANDARD PENETRATION TEST		TEST SAMPLE		REMARKS							
								DEPTH (m)	BLOWS / cm	METHOD	DEPTH (GWL)								
0																			
1		1.20	1.20		GREY	SANDY ORGANIC CLAY	GREY, DARK GREY, DARK BROWN FINE SANDY ORGANIC CLAY WITH PLANT ROOTS TOP SOIL	1.15-1.45 0.30	0	D									
2		1.50	0.30			SILT CLAY	VERY SOFT GREY LIGHT GREY SILTY CLAY	1.45-2.15 0.30	2	S									
3						SANDY CLAY	SOFT GREY REDDISH BROWN SLIGHTLY SILTY MEDIUM SANDY LENTIC CLAY	2.15-2.45 0.30	3	W									
4		4.20	2.70				2.00-2.45 SAMPLE CONSISTS OF PEBBLES	3.15-3.45 0.30	4	S									
5								4.15-4.45 4/30		W									
6					GREY	COMPLETELY WEATHERED ROCK	GREY WHITISH YELLOW SLIGHTLY SILTY FINE TO MEDIUM SANDY SILT WITH TRACES OF MICA SHOWS RELICT STRUCTURE COMPLETELY WEATHERED ROCK	5.15-5.45 50/30	50	S									
7								6.15-6.45 50/30		W									
8		7.40	3.20				ROCK LEVEL END OF BORING			S									
9																			
10																			



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