

GEO TECHINICAL SURVEY – ADDITIOPNAL BORE HOLE INVESTIGATION

Borehole location No	Distance km
AD BH-01	8+720
AD BH-02	8+795
AD BH-03	8+828
AD BH-06	0+260
AD BH-07	0+310
AD BH-08	0+352
AD BH-12	0+224
AD BH-13	0+365
AD BH-14	0+408
AD BH-15	0+454
AD BH-16	0+450
AD BH-17	0+482
AD BH-19	13+750
AD BH-20	13+856
AD BH-21	13+958
AD BH-22	14+066
AD BH-23	15+194
AD BH-24	15+269
AD BH-25	15+340
AD BH-26	15+454
AD BH-27	15+963
AD BH-28	16+043
AD BH-29	15+930
AD BH-30	0+170
AD BH-31	0+110
AD BH-32	0+278
AD BH-33	0+205
AD BH-34	0+125
AD BH-35	0+090
AD BH-36	16+132
AD BH-37	16+205
AD BH-38	0+645
AD BH-39	0+605
AD BH-40	8+756
AD BH-41	8+870
AD BH-43	0+276
AD BH-44	0+428
AD BH-45	0+432
AD BH-46	13+788
AD BH-47	13+822
AD BH-48	13+920
AD BH-49	14+031
AD BH-50	15+170
AD BH-51	15+383
AD BH-52	0+275

AD BH-53	0+317
AD BH-54	0+244
AD BH-55	0+165
AD BH-63	11+900
AD BH-64	12+000
AD BH-65	12+100
AD BH-66	12+300
AD BH-67	12+950
AD BH-68	14+300
AD BH-69	15+100

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1										BORING LOG										BOREHOLE No : AD BH-01 Sheet No : 1 of 1 COORDINATES: X= 110 211.031 Y= 200 226.170 GROUND ELEVATION, EL (m) : 7.464m CHAINAGE : GROUND WATER LEVEL (m) : 0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
LOCATION : Kadawatha										DATE : From : 25/05/2007 To : 27/05/2007										STANDARD PENETRATION TEST										TEST SAMPLE		REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS					METHOD	DEPTH (GWL)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
0							GREY, YELLOWISH GREY FINE TO MEDIUM SANDY CLAY	1.15-1.45	230							D																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										



Engineering & Laboratory Services (Pvt) Ltd.

Tel : 0094-01-517037, 517365, Fax : 509806 E-mail : els@lanka.ccom.lk.

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1										BORING LOG										BOREHOLE No : AD BH-02 Sheet No : 1 of 1 COORDINATES: X= 110 230.752 Y= 200 147.284 GROUND ELEVATION, EL (m) : 7.297m CHAINAGE : GROUND WATER LEVEL (m) : 0.00									
LOCATION : Kadawatha										DATE : From : 30/05/2007 To : 2007/1/6																			



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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: AD-03

Sheet No: 1 of 1

COORDINATES:
X=110 229.330
Y= 200 113.165

GROUND ELEVATION, EL (m): 7.208m
CHAINAGE

LOCATION : Kadawatha

DATE : From : 06-06-2007 To : 06-07-2007

GROUND WATER LEVEL (m): 0.00m

SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	STANDARD PENETRATION TEST		TEST SAMPLE		REMARKS	
								DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD		DEPTH (GWL)
0							BROWN, PALE BROWNISH YELLOW SILTY CLAY WITH FINE TO MEDIUM SAND				D		
1	1.03	1.03					SOFT PALE YELLOW, YELLOWISH GRAY SLIGHTLY SANDY CLAY	1.15-1.45	03/30		S		
2							VERY LOOSE BLACKISH GREY, GREY ORGANIC CLAYEY FINE TO COARSE ANGULAR TO SUB ANGULAR SAND WITH SOME GRAVEL	2.15-2.45	02/30		W		
3	2.40	0.50					GREY, BLACKISH GREY SLIGHTLY CLAYEY SILTY FINE TO MEDIUM SAND WITH MEDIUM TO COARSE QUARTZ GRAINS AND HIGHER AMOUNT OF MICA	3.15-3.45	05/30		S		
4							MICA CONTENT AND CONTENT OF QUARTZ GRAINS INCREASED WITH THE DEPTH. CLAY CONTENT DECREASED WITH THE DEPTH.	4.15-4.45	09/30		W		
5							4.00-5.45 SAMPLE COLOURS CHANGED TO PALE YELLOW, BLACKISH GREY COMPLETELY WEATHERED ROCK	5.15-5.45	10/30		S		
6	6.50	4.10					ROCK LEVEL	6.15-6.45	<50/10		W		
7							BIOTITE GNEISS	76%	0%		C		
8	7.55	1.05					BIOTITE GNEISS	80%	41%		C		
9	8.55	1.00					BIOTITE GNEISS	87%	16%		C		
10	9.55	1.00					BIOTITE GNEISS						
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										BORING LOG BOREHOLE No : AD-06 Sheet No : 1 of 2 COORDINATES: X= 110 154.680 Y= 200 029.940 GROUND ELEVATION EL (m) : 6.976m CHAINAGE : GROUND WATER LEVEL (m) : 0.00m									
LOCATION : Kadawatha										DATE : From : 20-06-2007 To : 21-06-2007									
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	STANDARD PENETRATION TEST			TEST SAMPLE		REMARKS				
										CURVE OF BLOWS	METHOD	DEPTH (GWL)							
0							CLAYEY SILT	GREY, BROWNISH GREY SLIGHTLY SANDY CLAYEY SILT	1.15- 1.45	04/30				D					
1	1.15	1.15																	
2						BLACKISH GREY	SILTY ORGANIC CLAY	SOFT BLACKISH GREY, GREY SILTY ORGANIC CLAY WITH PEAT	2.15- 2.45	03/30				S					
3	2.60	1.45				BLACKISH GREY	FINE SAND WITH POCKETS OF CLAY	LOOSE GREY, BLACKISH GREY, YELLOWISH WHITE FINE SAND WITH POCKETS OF KEOLINIZED CLAY	3.15 3.45	09/30				W					
4	3.40	0.80						FIRM PALE YELLOW, GREENISH GREY SANDY SILT	4.15 4.45	06/30				W					
5						PALE YELLOW	SANDY SILT		5.15 5.45	06/30				S					
6	5.50	2.10							6.15 6.45	12/30				W					
7								BLACKISH GREY, GREENISH GREY SANDY SILT WITH TRACES OF MICA, SAND CONTENT DECREASED WITH THE DEPTH.	7.15 7.45	10/30				S					
8						BLACKISH GREY	COMPLETELY WEATHERED ROCK	COMPLETELY WEATHERED ROCK	8.15 8.45	13/30				W					
9									9.15 9.45	45/30				S					
10														W					

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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1										BOREHOLE No: AD-06 Sheet No: 2 of 2 COORDINATES: X= 110 154.680 Y= 200 029 940 GROUND ELEVATION, EL (m) : 6.976m CHAINAGE :																											
LOCATION : Kadawatha										GROUND WATER LEVEL (m) : 0.00m																											
DATE		: From :		20-06-2007		To :		21-06-2007																													
SCALE (m)		ELEVATION (m)		DEPTH (m)		THICKNESS (m)		LEGEND		COLOUR		SOIL NAME		DESCRIPTION		DEPTH (m)		BLOWS / cm		STANDARD PENETRATION TEST										TEST SAMPLE		DEPTH (GWL)		REMARKS			
																				CURVE OF BLOWS																	
10				10.30		4.80				BLACKISH GREY		BIOTITE GNEISS		BLACKISH GREY, WHITISH GREY, MEDIUM GRAINED, FAINTLY DISCOLOURED, MODERATELY FRACTURED, THINLY FOLIATED BIOTITE GNEISS		97%		58%																		C	
11				11.30		1.00				BLACKISH GREY		BIOTITE GNEISS		BLACKISH GREY, WHITISH GREY, MEDIUM GRAINED, FAINTLY DISCOLOURED, MODERATELY FRACTURED, THINLY FOLIATED BIOTITE GNEISS		100%		76%																		C	
12				12.30		1.00				BLACKISH GREY		BIOTITE GNEISS		BLACKISH GRAY, WHITISH GRAY, MEDIUM GRAINED, FAINTLY DISCOLOURED, MODERATELY FRACTURED, THINLY FOLIATED BIOTITE GNEISS		100%		87%																		C	
13				13.30		1.00								END OF BORING		C		r																			
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LOCATION : Kadawatha										GROUND WATER LEVEL (m): 0.00m									
DATE : 17-06-2007 To : 18-06-2007																			
LEGEND										STANDARD PENETRATION TEST									
THICKNESS (m)										CURVE OF BLOWS									
DEPTH (m)										BLOWS / cm									
ELEVATION (m)										DEPTH (m)									
SCALE (m)										METHOD									
										DEPTH (GWL)									
										REMARKS									
										GWL at the surface is level									
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GEO TECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I										BORING LOG										BOREHOLE No : AD-08 Sheet No : 1 of 1 COORDINATES: X=110 208.299 Y=200 099.532 GROUND ELEVATION. EL (m) : 7.255m CHAINAGE 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GEO TECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I										BORING LOG										BOREHOLE No : AD-12 Sheet No : 1 of 2 COORDINATES: X= 110 122.371 Y= 200 040.846 GROUND ELEVATION. EL (m) : 6.881m CHAINAGE :										LOCATION : Kadawatha										DATE : From : 23-06-2007 To : 24-06-2007										GROUND WATER LEVEL (m) : 0.00m																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I										BOREHOLE No : AD-12 Sheet No : 2 of 2 COORDINATES: X= 110 122.371 Y= 200 040.846 GROUND ELEVATION. EL (m) : 6.881m CHAINAGE : GROUND WATER LEVEL (m) : 0.00m									
LOCATION : Kadawatha										DATE : From : 23-06-2007 To : 24-06-2007									
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	STANDARD PENETRATION TEST				TEST SAMPLE		REMARKS			
10	10.00	1.30					GREY, WHITISH GREY, OFF WHITE MEDIUM GRAINED FAINTLY DISCOLOURED MODERATLY FRACTURED QUARTZ AND GARNET RICH BIOTITE GNEISS	C	r										
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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1										BOREHOLE No: AD-13 Sheet No: 1 of 1 COORDINATES: X= 110 320.708 Y= 200 221.161 GROUND ELEVATION. EL (m): 7.332m CHAINAGE : GROUND WATER LEVEL (m): 0.00m									
LOCATION : Kadawatha										DATE : 05/06/2007 To: 06-06-2007									
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	STANDARD PENETRATION TEST				TEST SAMPLE		REMARKS			
0							BROWN, LIGHT BROWN MEDIUM SANDY CLAY WITH ORGANIC MATTER LIKE PLANT ROOTS			CURVE OF BLOWS				METHOD	DEPTH (GWL)	GWL at the surface level			
1	0.70		0.70		BROWN	SANDY CLAY	GREY, BLACKISH GREY, PALE YELLOWISH GREY SLIGHTLY CLAYEY FINE TO MEDIUM SANDY SILT WITH TRACES OF MICA.	1.45 - 1.45	26/30										
2						COMPLETELY WEATHERED ROCK	SHOWS RELICT STRUCTURES COMPLETELY WEATHERED ROCK	2.15 - 2.45	>50/20										
3		2.60	1.90			GARNET BIOTITE GNEISS ROCK	GREY, WHITTISH GREY, BLACKISH GREY, PALE YELLOWISH GREY, SLIGHTLY CLAYEY FINE TO MEDIUM SANDY SILT WITH TRACES OF MICA.	92%	38%										
4		3.60	1.00		GREY	GARNET BIOTITE GNEISS ROCK	SHOWS RELICT STRUCTURES COMPLETELY WEATHERED ROCK	100%	18%										
5		4.60	1.00			GARNET BIOTITE GNEISS ROCK	GREY, WHITTISH GREY, PALE YELLOWISH WHITE MEDIUM GRAINED FAINTLY DISCOLOURED MODERATELY FRACTURED THINLY FOLIATED GARNET BIOTITE GNEISS ROCK.	52%	52%										
6		5.60	1.00		GREY	GARNET BIOTITE GNEISS ROCK	GREY, WHITTISH GREY, BLACKISH GREY MEDIUM GRAINED FRESH BIOTITE GNEISS ROCK.	C	r										
7							END OF BORING												
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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1										BORING LOG BOREHOLE No : AD BH-15 Sheet No : 1 of 1 COORDINATES: X= 110 241.548 Y= 200 224.499 GROUND ELEVATION, EL (m) : 7.453m CHAINAGE : GROUND WATER LEVEL (m) : 0.00									
LOCATION : Kadavatha										DATE : From : 27/05/2007 To : 28/05/2007									
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	STANDARD PENETRATION TEST			TEST SAMPLE						
										CURVE OF BLOWS			METHOD	DEPTH (GWL)					
0										0	10	20	30	40	50	GWL at the surface level			
1				X	GREY	SILTY CLAY	FIRM, GREY, LIGHT GREY, YELLOWISH BROWN SLIGHTLY SANDY SILTY CLAY	1.15 - 1.45	600mm								W		
2				X				2.15 - 2.45	600mm								S		
3		3.00		X				3.15 - 3.45	600mm								W		
4		4.0	1.00	X	BLACKISH GREY	COMPLETELY WEATHERED ROCK	BLACKISH GREY, WHITISH GREY, BROWNISH RED SILTY FINE SAND WITH GARNET AND HIGH CONTENT OF MICA. COMPLETELY WEATHERED ROCK	3.15 - 3.45	600mm								S		
5		5.25	1.25	X	GREY	BIOTITE GNEISS	GREY, BLACKISH GREY, GREENISH GREY MEDIUM GRAINED DISCOLOURED HIGHLY FRACTURED THINLY FOLIATED FELDSPAR RICH BIOTITE GNEISS ROCK WITH GARNET AND TRACESS OF	31%	0%								C		
6				X	GREY	BIOTITE GNEISS	GREY, WHITISH GREY, GREENISH GREY MEDIUM GRAINED SLIGHTLY DISCOLOURED HIGHLY FRACTURED THINLY FOLIATED MICA AND FELDSPAR RICH BIOTITE GNEISS ROCK WITH SOME GARNET	62.2%	4.8%								C		
7		6.60	1.35	X	GREY	BIOTITE GNEISS		86.7%	31.1%								C		
8		7.50	0.90	X			END OF BORING												
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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1					BORING LOG BOREHOLE No : AD-16 Sheet No : 1 of 2 COORDINATES: X= 110 257.172 Y= 200 167.587 GROUND ELEVATION, EL (m) : 8.736m CHAINAGE : GROUND WATER LEVEL (m) : 0.00m										
LOCATION : Kadavatha															
DATE	From :	27/05/2007	To :	28/05/2007											
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	STANDARD PENETRATION TEST		METHOD	TEST SAMPLE	REMARKS	
										CURVE OF BLOWS					
0										0	10	20	30	40	50
1		1.35	1.35		REDDISH BROWN	FILL	REDDISH BROWN, BROWN LATERITIC CLAYEY GRAVEL WITH SOME PEBBLE SIZE PARTICLES.	1.15 - 1.45	3030						
2					GREY	SANDY ORGANIC CLAY	SOFT GREY, LIGHT YELLOWISH GREY SANDY ORGANIC CLAY. 2.30-3.00 SAMPLE CONSISTED WITH SOME ORGANIC MATERIALS.	2.15 - 2.45	7030						
3		3.00	1.65		BLACKISH GREY	SILTY SAND	LOOSE BLACKISH GREY, GREY SLIGHTLY CLAYEY SILTY FINE TO COARSE ANGULAR TO SUBANGULAR SAND.	3.45 - 3.45	7030						
4		4.40	1.40		GREY	COMPLETELY WEATHERED ROCK	GREY, WHITISH GREY FINE SANDY SILT WITH TRACES OF MICA. COMPLETELY WEATHERED ROCK	4.45 - 4.45	1430						
5					YELLOWISH WHITE	COMPLETELY WEATHERED ROCK	YELLOWISH WHITE, GREY, OFF WHITE QUARTZ GRAINS WITH SILTY SAND. COMPLETELY WEATHERED ROCK	6.45 - 6.45	2030						
6		6.45	2.05		YELLOWISH WHITE	COMPLETELY WEATHERED ROCK	ROCK LEVEL	7.45 - 7.45	4830						
7		7.50	1.05		YELLOWISH WHITE	QUARTZITE	YELLOWISH WHITE, PALE YELLOW, OFF WHITE MEDIUM GRAINED STRONGLY DISCOLOURED HIGHLY FRACTURED GARNET AND FELDSPAR RICH QUARTZITE ROCK	72.7%	9.1%						
8		8.60	1.10		YELLOWISH WHITE	QUARTZITE	SAME AS NEXT DESCRIPTION	90.5%	78.1%						
9		9.65	1.05		YELLOWISH WHITE	QUARTZITE									
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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1										BOREHOLE No : AD-16 Sheet No : 2 of 2 COORDINATES: X= 110 257.172 Y= 200 167.587 GROUND ELEVATION, EL (m) : 8.736m CHAINAGE : GROUND WATER LEVEL (m) : 0.00m									
LOCATION : Kadawatha										DATE : 27/05/2007 To : 28/05/2007									
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	STANDARD PENETRATION TEST			TEST SAMPLE		REMARKS				
										CURVE OF BLOWS			METHOD	DEPTH (GWL)					
										0	10	20	30	40	50				
10	10.50	0.85			YELLOWISH WHITE	QUARTZITE	YELLOWISH WHITE, PALE YELLOW, OFF WHITE MEDIUM GRAINED DISCOLOURED MODERATELY FRACTURED GARNET AND FELDSPAR ROCK QUARTZITE ROCK	100%	56.3%										
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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1										BOREHOLE No : AD-17 Sheet No : 1 of 1 COORDINATES: X= 110 248.801 Y= 200 137.308 GROUND ELEVATION, EL (m) : 7.730m CHAINAGE : GROUND WATER LEVEL (m) : 0.00m									
LOCATION : Kadawatha										DATE : 06-05-2007 To : 06-06-2007									
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	STANDARD PENETRATION TEST			TEST SAMPLE		REMARKS				
										CURVE OF BLOWS			METHOD	DEPTH (GWL)					
										0	10	20	30	40	50				
1	1.00	1.00			BROWN	SILTY CLAY	BROWN, LIGHT BROWN GREY SILTY ORGANIC MIXES CLAY WITH DECOMPOSED PLANT ROOTS	1.15 - 1.45	420							D			
2	2.00	1.00			BROWN	SANDY CLAY	SOFT BROWN, LIGHT BROWN FINE SANDY CLAY	1.45 - 1.45	420	4						S			
3	2.90	0.90			BROWN	CLAYEY SAND	MEDIUM DENSE BROWN, LIGHT BROWN, BROWNISH GREY SLIGHTLY SILTY CLAYEY FINE TO MEDIUM SAND.	2.15 - 2.45	1230	12						W			
4					GREY	COMPLETELY WEATHERED ROCK	GREY, BLACKISH GREY, WHITTISH GREY SLIGHTLY CLAYEY SILTY FINE TO MEDIUM SAND WITH ANGULAR TO SUBANGULAR QUARTZ GRAINS, WEATHERED FELDSPAR AND TRACES OF MICA.	3.15 - 3.45	1320	13						S			
5	4.70	1.80			GREY	GARNET BIOTITE GNEISS ROCK	SHOWS RELICT STRUCTURES COMPLETELY WEATHERED ROCK.	4.15 - 4.45	2515							W			
6	5.70	1.00			GREY	GARNET BIOTITE GNEISS ROCK	ROCK LEVEL GREY, WHITTISH GREY, BLACKISH GREY MEDIUM GRAINED DISCOLOURED MODERATELY FRACTURED GARNET BIOTITE GNEISS ROCK.	76%	22%							C			
7	6.70	1.00			GREY	GARNET BIOTITE GNEISS ROCK	5.00-5.70 STRONGLY DISCOLOURED HIGHLY FRACTURED ROCK	97%	77%							C			
8	7.70	1.00			GREY	GARNET BIOTITE GNEISS ROCK	GREY, WHITTISH GREY MEDIUM GRAINED FAINTLY DISCOLOURED MODERATELY FRACTURED GARNET BIOTITE GNEISS ROCK.	97%	22%							C			
9							GREY, WHITTISH GREY MEDIUM GRAINED DISCOLOURED HIGHLY FRACTURED GARNET BIOTITE GNEISS ROCK												
10																			

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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 : AD-19 Sheet No : 1 of 3 COORDINATES: X= 111 845.093 Y= 195 593.224 GROUND ELEVATION, EL (m) : 1.581 CHAINAGE : GROUND WATER LEVEL (m) : 0.00m				
LOCATION : Kadawatha				DATE : From : 2007/5/29 To : 2007/5/30				STANDARD PENETRATION TEST				
DEPTH (m)	ELEVATION (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	BLOWS / cm		CURVE OF BLOWS	METHOD	TEST SAMPLE	REMARKS
							DEPTH (m)	BLOWS / cm				
0						LIGHT BROWN, YELLOWISH BROWN SILTY CLAY WITH PLANT ROOTS	1.15-1.45	0/30		D		GWL at the surface level
1	0.90	0.90	X	BLACK	PEATY CLAY	VERY SOFT BLACK, GREY PEATY CLAY	1.45-2.15	0/30		S		
2	1.70	0.80	X		CLAY	VERY SOFT LIGHT BROWN, YELLOWISH BROWN CLAY	2.15-2.45	0/30		W		
3	2.80	1.10	X	LIGHT BROWN	SILTY CLAY	FIRM YELLOWISH BROWN, YELLOWISH GREY SILTY CLAY	3.15-3.45	9/30		S		
4	4.00	1.20	X	YELLOWISH BROWN	SILTY CLAY	SOFT YERLOWISH BROWN, GREY, BLACKISH GREY, SILTY CLAY	4.45-5.45	3/30		W		
5	4.40	0.40	X	BLACKISH GREY	PEATY CLAY	SOFT BLACKISH GREY, GREY PEATY CLAY	5.15-5.45	3/30		S		
6	6.00	1.60	X	GREY	CLAYEY SAND	DENSE GREY CLAYEY FINE TO MEDIUM ANGULAR TO SUBANGULAR SAND	6.15-6.45	31/30		W		
7	7.00	1.00	X	GREY	CLAYEY SAND	DENSE GREY CLAYEY FINE TO COARSE ANGULAR TO SUBANGULAR SAND WITH SOME GRAVEL	7.15-7.45	43/30		S		
8			X		COMPLETELY WEATHERED ROCK	SAME AS NEXT DESCRIPTION	8.15-8.45	39/30		W		
9	8.75	1.75	X	GREY			9.15-9.45	41/30		S		
10			X							W		

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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: AD-19 Sheet No: 2 of 3 COORDINATES: X= 111 845.093 Y= 195 593.224 GROUND ELEVATION, EL (m) : 1.581 CHAINAGE : GROUND WATER LEVEL (m) : 0.00m							
LOCATION : Kadawatha				DATE : From : 39231 To : 39232				STANDARD PENETRATION TEST				TEST SAMPLE		REMARKS	
DEPTH (m)	ELEVATION (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS		METHOD	DEPTH (GWL)			
10							10.15	49/30			W				
11							10.45	49/30			W				
12							11.15	65/30			S				
13							11.45	65/30			W				
14							12.45	65/30			S				
15							13.15	50			W				
16							13.45	50			W				
17											W				
18											W				
19											C				
20											C				

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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 : AD-19 Sheet No : 3 of 3		
COORDINATES: X= 111 845.093 Y= 195 593.224				GROUND ELEVATION, EL (m) : 1.581 CHAINAGE :				GROUND WATER LEVEL (m) : 0.00m		
LOCATION : Kadawatha				DATE : From : 39231 To : 39232				GROUND WATER LEVEL (m) : 0.00m		
DEPTH (m)	THICKNESS (m)	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWT)	REMARKS
20.20	1.50	WHITISH GREY	BIOTITE GNEISS	SAME AS PREVIOUS DESCRIPTION						
21				END OF BORING						
22										
23										
24										
25										
26										
27										
28										
29										
30										



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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 : AD-20 Sheet No : 1 of 2		
COORDINATES: X= 111 866.310 Y= 195 488.027				GROUND ELEVATION, EL (m) : 1.359m CHAINAGE :				GROUND WATER LEVEL (m) : 0.00m		
LOCATION : Kadawatha				DATE : From : 19/07/2007 To : 19/07/2007				GROUND WATER LEVEL (m) : 0.00m		
DEPTH (m)	THICKNESS (m)	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWT)	REMARKS
0.15					0.15	0.00		D		
0.45					0.45	0.00		S		
1.45		BROWNISH GREY	CLAY	VERY SOFT, BROWNISH GREY, WHITISH GREY CLAY WITH SOME SAND	1.45	1/30		W		
2.15					2.15	2/30		S		
2.45					2.45	2/30		W		
3.45		YELLOWISH BROWN	CLAYEY FINE SAND	LOOSE YELLOWISH BROWN WHITISH GREY CLAYEY ANGULAR FINE GRAINED SAND	3.45	5/30		W		
4.45		YELLOWISH BROWN	CLAY	SOFT YELLOWISH BROWN, GREY, WHITISH GREY CLAY	4.45	3/30		W		
5.45		BROWNISH GREY	PEATY CLAY	SOFT, BROWNISH GREY, BLACKISH GREY PEATY CLAY	5.45	3/30		S		
6.45		YELLOWISH GREY	SILTY FINE SAND	DENSE YELLOWISH GREY, GREY SILTY FINE GRAINED SAND	6.45	34/30		W		
7.45		GREY	SAND	DENSE GREY, WHITISH GREY, YELLOWISH BROWN SLIGHTLY SILTY FINE TO COARSE ANGULAR TO SUB ANGULAR SAND	7.45	31/30		W		
8.45					8.45	38/30		S		
9.45					9.45	48		W		
10.45					10.45	>50		S		
11.45					11.45			W		



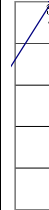
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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1										BORING LOG										BOREHOLE No : AD-20 Sheet No : 2 of 2 COORDINATES: X= 111 866.310 Y= 195 488.027 GROUND ELEVATION, EL (m) : 1.359m CHAINAGE :									
LOCATION : Kadawatha										DATE : 19/07/2007 To : 19/07/2007										GROUND WATER LEVEL (m) : 0.00m									
SCALE (m)		ELEVATION (m)		DEPTH (m)		THICKNESS (m)		LEGEND		COLOUR		SOIL NAME		DESCRIPTION		DEPTH (m)		BLOWS / cm		STANDARD PENETRATION TEST					TEST SAMPLE		REMARKS		
																				CURVE OF BLOWS					METHOD		DEPTH (GWL)		
																				0 10 20 30 40 50									
																									S				
																									W				
																									S				
																									W				
																									S				
																									W				
																									S				
																									W				

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1					BORING LOG					BOREHOLE No: AD-21 Sheet No: 1 of 2 COORDINATES: X= 111 882.484 Y= 195 387.578 GROUND ELEVATION, EL (m): 1.766m CHAINAGE : GROUND WATER LEVEL (m): 0.00m							
LOCATION : Kadawatha					DATE : From : 2007/07/18 To: 2007/07/18												
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	STANDARD PENETRATION TEST			TEST SAMPLE		REMARKS		
										CURVE OF BLOWS		METHOD	DEPTH (GWL)				
0										0	10	20	30	40	50		
1					BROWNISH GREY	CLAY	VERY SOFT, BROWNISH GREY CLAY WITH PLANT ROOTS.	1.15 - 1.45								D	
2								1.45	1/30							S	
3					BLACKISH GREY	PEATY CLAY	VERY SOFT, BLACKISH GREY, GREY PEATY CLAY	2.15 - 2.45								W	
4					BROWNISH GREY	CLAY	VERY SOFT, BROWNISH GREY, GREY CLAY WITH ORGANIC MATTER	3.15 - 3.45								S	
5					YELLOWISH BROWN	CLAYEY SAND	LOOSE, YELLOWISH BROWN, YELLOWISH GREY, WHITISH GREY CLAYEY FINE GRAINED SAND	4.15 - 4.45								W	
6					GREY	CLAY	SOFT YELLOWISH GREY, GREY, WHITISH GREY, SLIGHTLY SILTY CLAY	5.15 - 5.45								S	
7								6.15 - 6.45								W	
8								7.15 - 7.45								S	
9					YELLOWISH BROWN	COMPLETELY WEATHERED ROCK	YELLOWISH BROWN, BLACKISH GREY, GREY, WHITISH GREY CLAYEY ANGULAR TO SUB ANGULAR FINE TO MEDIUM GRAINED SAND WITH TRACES OF MICA, SHOWS RELICT STRUCTURES	8.15 - 8.45								W	
10							COMPLETELY WEATHERED ROCK	9.15 - 9.45								S	

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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1							BORING LOG BOREHOLE No: AD-22 Sheet No: 2 of 2 COORDINATES: X= 111 895.306 Y= 195 280.713 GROUND ELEVATION, EL (m) : 1.745m CHAINAGE : GROUND WATER LEVEL (m) : 0.00m									
LOCATION : Kadawatha							DATE : From : 2007/07/18 To: 2007/07/18									
DEPTH (m)	ELEVATION (m)	THICKNESS (m)	LEGEND	COLOR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	STANDARD PENETRATION TEST			TEST SAMPLE	REMARKS			
SCALE (m)									CURVE OF BLOWS			METHOD	DEPTH (GWL)			
10						GREY COMPLETELY WEATHERED ROCK VERY DENSE GREY, WHITISH GREY, BLACK SLIGHTLY SILTY FINE TO MEDIUM ANGULAR SAND WITH FRACES OF OPTICAL STONES AND SILT COMPLETELY WEATHERED ROCK	10.15						W			
								10.45	50/10							
11								11.45								S
								11.45	HB							W
12								12.15								S
								12.45	HB							W
13								13.15								S
								13.45	HB							W
14								14.15								S
								14.45	HB							W
15						15.15							S			
						15.45	HB						W			
16						16.15							S			
						16.45	HB						W			
17	16.50	6.50				ROCK LEVEL										
						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					BORING LOG BOREHOLE No: AD-23 Sheet No: 1 of 2 COORDINATES: X= 111 775.976 Y= 194 167.363 GROUND ELEVATION, EL (m): 1.478m CHAINAGE : GROUND WATER LEVEL (m): 0.00m							
LOCATION : Kadawatha												
DATE	From :	2007/07/16	To :	2007/07/16								
DEPTH (m)	ELEVATION (m)	THICKNESS (m)	LEGEND	COLOR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	STANDARD PENETRATION TEST	TEST SAMPLE	REMARKS
0							0.15	1130			2	
1							0.45	1130			W	
2							1.15	0030			S	
3							1.45	0030			W	
4							2.15	0030			S	
5							2.45	0030			W	
6							3.15	0030			S	
7							3.45	0030			W	
8							4.15	3030			S	
9							4.45	3030			W	
10							5.15	2030			S	
11							5.45	2030			W	
12							6.15	2030			S	
13							6.45	2030			W	
14							7.65	3030			S	
15							7.95	3030			W	
16							8.15	3030			S	
17							9.15	1830			W	
18							9.45	1830			S	
19							9.15	1830			W	
20							9.45	1830			S	
21							9.15	1830			W	
22							9.45	1830			S	
23							9.15	1830			W	
24							9.45	1830			S	
25							9.15	1830			W	
26							9.45	1830			S	
27							9.15	1830			W	
28							9.45	1830			S	
29							9.15	1830			W	
30							9.45	1830			S	
31							9.15	1830			W	
32							9.45	1830			S	
33							9.15	1830			W	
34							9.45	1830			S	
35							9.15	1830			W	
36							9.45	1830			S	
37							9.15	1830			W	
38							9.45	1830			S	
39							9.15	1830			W	
40							9.45	1830			S	
41							9.15	1830			W	
42							9.45	1830			S	
43							9.15	1830			W	
44							9.45	1830			S	
45							9.15	1830			W	
46							9.45	1830			S	
47							9.15	1830			W	
48							9.45	1830			S	
49							9.15	1830			W	
50							9.45	1830			S	
51							9.15	1830			W	
52							9.45	1830			S	
53							9.15	1830			W	
54							9.45	1830			S	
55							9.15	1830			W	
56							9.45	1830			S	
57							9.15	1830			W	
58							9.45	1830			S	
59							9.15	1830			W	
60							9.45	1830			S	
61							9.15	1830			W	
62							9.45	1830			S	
63							9.15	1830			W	
64							9.45	1830			S	
65							9.15	1830			W	
66							9.45	1830			S	
67							9.15	1830			W	
68							9.45	1830			S	
69							9.15	1830			W	
70							9.45	1830			S	
71							9.15	1830			W	
72							9.45	1830			S	
73							9.15	1830			W	
74							9.45	1830			S	
75							9.15	1830			W	
76							9.45	1830			S	
77							9.15	1830			W	
78							9.45	1830			S	
79							9.15	1830			W	
80							9.45	1830			S	
81							9.15	1830			W	
82							9.45	1830			S	
83							9.15	1830			W	
84							9.45	1830			S	
85							9.15	1830			W	
86							9.45	1830			S	
87							9.15	1830			W	
88							9.45	1830			S	
89							9.15	1830			W	
90							9.45	1830			S	
91							9.15	1830			W	
92							9.45	1830			S	
93							9.15	1830			W	
94							9.45	1830			S	
95							9.15	1830			W	
96							9.45	1830			S	
97							9.15	1830			W	
98							9.45	1830			S	
99							9.15	1830			W	
100							9.45	1830			S	
101							9.15	1830			W	
102							9.45	1830			S	
103							9.15	1830			W	
104							9.45	1830			S	
105							9.15	1830			W	
106							9.45	1830			S	
107							9.15	1830			W	
108							9.45	1830			S	
109							9.15	1830			W	
110							9.45	1830			S	
111							9.15	1830			W	
112							9.45	1830			S	
113							9.15	1830			W	
114							9.45	1830			S	
115							9.15	1830			W	
116							9.45	1830			S	
117							9.15	1830			W	
118							9.45	1830			S	
119							9.15	1830			W	
120							9.45	1830			S	
121							9.15	1830			W	
122							9.45	1830			S	
123							9.15	1830			W	
124							9.45	1830			S	
125							9.15	1830			W	
126							9.45	1830			S	
127							9.15	1830			W	
128							9.45	1830			S	
129							9.15	1830			W	
130							9.45	1830			S	
131							9.15	1830			W	
132							9.45	1830			S	
133							9.15	1830			W	
134							9.45	1830			S	
135							9.15	1830			W	
136							9.45	1830			S	
137							9.15	1830			W	
138							9.45	1830			S	
139							9.15	1830			W	
140							9.45	1830			S	
141							9.15	1830			W	
142							9.45	1830			S	
143							9.15	1830			W	
144							9.45	1830			S	
145							9.15	1830			W	
146							9.45	1830			S	
147							9.15	1830			W	
148							9.45	1830			S	
149							9.15	1830			W	
150							9.45	1830			S	
151							9.15	1830			W	
152							9.45	1830			S	
153							9.15	1830			W	
154							9.45	1830			S	
155							9.15	1830			W	
156							9.45	1830			S	
157							9.15	1830			W	
158							9.45	1830			S	
159							9.15	1830			W	
160							9.45	1830			S	
161							9.15	1830			W	
162							9.45	1830			S	
163							9.15	1830			W	
164							9.45	1830			S	
165							9.15	1830			W	
166							9.45	1830			S	
167							9.15	1830			W	
168							9.45	1830			S	
169							9.15	183				

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I					BORING LOG BOREHOLE No: AD-23 Sheet No: 2 of 2 COORDINATES: X= 111 775.976 Y= 194 167.363 GROUND ELEVATION, EL (m) : 1.478m CHAINAGE :								
LOCATION : Kadavatha					GROUND WATER LEVEL (m) : 0.00m								
DATE	From :	2007/07/16	To :	2007/07/16									
DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	TEST SAMPLE	REMARKS		
10.00	1.00		YELLOWISH BROWN	COMPLETELY WEATHERED ROCK	YELLOWISH BROWN, WHITISH GREY FINE TO MEDIUM ANGULAR TO SUB ANGULAR SANDY CLAY. COMPLETELY WEATHERED ROCK	10.65	10.95	20	W				
11.00												S	
12.00												W	
13.00												S	
14.00												W	
15.00			YELLOWISH BROWN	COMPLETELY WEATHERED ROCK	WASHED SAMPLE: YELLOWISH BROWN, WHITISH GREY, WHITE FINE TO MEDIUM ANGULAR TO SUB ANGULAR SANDY CLAY WITH TRACES OF MICA. COMPLETELY WEATHERED ROCK	13.65	13.95	15	S				
16.00												W	
17.00													
18.00													
19.00													
20.00													
16.80	3.80				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 1				BORING LOG				BOREHOLE No : AD-BH-24 Sheet No : 2 of 2 COORDINATES: X= 111 751.116 Y= 194 096.255 GROUND ELEVATION, EL (m) : 1.708m CHAINAGE : GROUND WATER LEVEL (m) : 0.00m					
LOCATION : Kadawatha				DATE : From : 05/07/2007 To : 06/07/2007				STANDARD PENETRATION TEST				TEST SAMPLE	
DEPTH (m)	THICKNESS (m)	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)	REMARKS			
10			BIOTITE GNEISS	GREY, WHITISH GREY, BLACKISH GREY, YELLOWISH BROWN DISCOLOURED HIGHLY FRACTURED FELDSPAR RICH BIOTITE GNEISS	83%	0%		C					
11	1.00	GREY	BIOTITE GNEISS	GREY, WHITISH GREY, BLACKISH GREY MEDIUM GRAINED DISCOLOURED MODERATELY FRACTURED FELDSPAR RICH BIOTITE GNEISS	100%	49%		C					
12	1.00	GREY	BIOTITE GNEISS	10.92m-11.00m & 11.38m-11.50m HIGHLY FRACTURED ROCK									
13	1.00			GREY, WHITISH GREY, BLACKISH GREY MEDIUM GRAINED FAINTLY DISCOLOURED MODERATELY FRACTURED FELDSPAR RICH BIOTITE GNEISS	C								
14				11.70m-11.90m HIGHLY FRACTURED ROCK SAMPLE									
15				END OF BORING									
16													
17													
18													
19													
20													



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Tel : 0094-01-517037, 517365, Fax : 509806 E-mail : els@lanka.com.lk.

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1				BORING LOG				BOREHOLE No: AD-BH-25 Sheet No : 1 of 2 COORDINATES: X= 111 727.151 Y= 194 029.800 GROUND ELEVATION, EL (m): 2.402m CHAINAGE : GROUND WATER LEVEL (m): 0.70m					
LOCATION : Kadawatha				DATE : From : 03/07/2007 To: 03/07/2007				STANDARD PENETRATION TEST				TEST SAMPLE	
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LITHEND	COLOR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWL)	REMARKS
0							FIRM, BROWNISH YELLOW, YELLOW, GREY SILTY CLAY WITH ORGANIC MATTERS	1.15-1.45	09/30		D		
1				X X X X X	BROWNISH YELLOW	SILTY CLAY					S		
2								2.15-2.45	00/30		W		
3	2.00	2.00		X X									

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1							BORING LOG BOREHOLE No: AD-BH-25 Sheet No: 2 of 2 COORDINATES: X= 111 727.151 Y= 194 029.800 GROUND ELEVATION, EL (m): 2.402m CHAINAGE : GROUND WATER LEVEL (m): 0.70m							
LOCATION : Kadawatha							DATE : From : 03/07/2007 To : 03/07/2007							
DEPTH (m)	ELEVATION (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	STANDARD PENETRATION TEST			TEST SAMPLE	REMARKS	
									CURVE OF BLOWS	METHOD	DEPTH (GWL)			
10				GREY	WASHED SAMPLE	WASHED SAMPLE: GREY, BLACKISH GREY, YELLOWISH BROWN FINE TO MEDIUM SAND WITH TRACES OF MICROBIOTITE GNEISS	0%	0%						
11	10.20	1.00			GREY	BIOTITE GNEISS	GREY, BLACKISH GREY, WHITISH GREY MEDIUM GRAINED DISCOLOURED MODERATELY FRACTURED THINLY FOLIATED BIOTITE GNEISS ROCK	100%	79%					
12	11.20	1.00			GREY	BIOTITE GNEISS		100%	100%					
13	12.55	1.35				GREY, BLACKISH GREY, WHITISH GREY MEDIUM GRAINED DISCOLOURED SLIGHTLY FRACTURED THINLY FOLIATED BIOTITE GNEISS ROCK								
14														
15						END OF BORING								
16														
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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1										BORING LOG BOREHOLE No: AD-BH-26 Sheet No: 1 of 1 COORDINATES: X= 111 686.713 Y= 193 931.275 GROUND ELEVATION, EL (m): 1.397m CHAINAGE : GROUND WATER LEVEL (m): 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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 : AD-27 Sheet No : 1 of 1 COORDINATES: X=111 480.487 Y=193 458.340 GROUND ELEVATION, EL (m): 1.623m CHAINAGE :									
LOCATION : Kadawatha			DATE : From : 13/07/2007 To : 14/07/2007 GROUND WATER LEVEL (m) : 0.70m									
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / 30	CURVE OF BLOWS	STANDARD PENETRATION TEST	TEST SAMPLE	REMARKS
0												
1					PALE YELLOW	SOFT PALE YELLOW, YELLOWISH GREY, BROWN SILTY CLAY	0.45					
2							1.45	05/30				
3		2.15	2.15				2.15	02/30	5			
4					BLACKISH GREY PEATY ORGANIC CLAY	VERY SOFT BLACKISH GREY, GREY PEATY ORGANIC CLAY. PEAT CONTENT INCREASED WITH THE DEPTH	2.45	02/30	2			
5							3.45	03/30	3			
6							4.45	02/30	2			
7							5.45	04/30	4			
8							6.45					
9							7.45					
10							8.45					
11							9.45					
12							10.45					
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172							170.45					
173							171.45					

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1					BORING LOG					BOREHOLE No : Sheet No : 2 of 2					AD-BH-28				
COORDINATES: X= 111 462.300 Y= 193 376.796					GROUND ELEVATION, EL (m) : 5.281m CHAINAGE					GROUND WATER LEVEL (m) : 4.10m									
LOCATION : Kadawatha					DATE : From : 26/06/2007 To : 04/07/2007														
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	STANDARD PENETRATION TEST					TEST SAMPLE		REMARKS		
										CURVE OF BLOWS					METHOD	DEPTH (GWL)			
10							SOFT PALE YELLOW, YELLOWISH BROWN MEDIUM TO COARSE SANDY CLAY. SIGNIFICANT AMOUNT OF SILT ALSO EVIDENT IN THIS LAYER	10.15 10.45	03/30						W				
11						PALE YELLOW	SANDY CLAY	11.15 11.45	04/30						S				
12															W				
13							GREY, BLuish GREY, PALE YELLOWISH WHITE SLIGHTLY KEOULINIZED CLAYEY SILTY ANGULAR TO SUB ANGULAR QUARTZ SAND WITH TRACES OF MICA. SHOWS RELICT STRUCTURES COMPLETELY WEATHERED ROCK	12.00 12.45	2.05 15/30						S				
14						GREY	COMPLETELY WEATHERED ROCK	13.45 13.45	50/25						W				
15							ROCK LEVEL								S				
16															C				
17															C				
18															C				
19																			
20							END OF BORING												

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Tel : 0094-01-517037, 517365, Fax : 509806 E-mail : els@lanka.com.lk.



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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1					BORING LOG					BOREHOLE No : Sheet No : 1 of 2					AD-29																
COORDINATES: X= 111 512.883 Y= 193 480.293					GROUND ELEVATION, EL (m) : 1.824m CHAINAGE					GROUND WATER LEVEL (m) : 1.05m																					
LOCATION : Kadawatha					DATE : From : 12/07/2007 To : 13/07/2007																										
SCALE (m)		ELEVATION (m)		DEPTH (m)		THICKNESS (m)		LEGEND		COLOUR		SOIL NAME		DESCRIPTION		DEPTH (m)		BLOWS / cm		STANDARD PENETRATION TEST		CURVE OF BLOWS		METHOD		TEST SAMPLE		REMARKS			
0																															
1										BROWN		CLAYEY SILT		SOFT BROWN, PALE YELLOWISH BROWN CLAYEY SILT		1.15 - 1.45		03/30						D							
2				1.60										SOFT BLACKISH GREY, GREY ORGANIC CLAY PEAT		2.15 - 2.45		05/30								S					
3										BLACKISH GREY		ORGANIC CLAYEY PEAT		LOOSE YELLOWISH GREY, GREY CLAYEY FINE TO COARSE AND CLAY TO SUB ANGULAR SAND WITH GRAVEL		3.15 - 3.45		04/30								W					
4				3.70		2.10								REDDISH BROWN, GREY, WHITISH GREY CLAYEY FINE TO COARSE SAND WITH GRAVEL SHOWS RELICT STRUCTURES COMPLETELY WEATHERED ROCK		4.15 - 4.45		08/30								S					
5										YELLOWISH GREY		CLAYEY SAND				5.15 - 5.45		07/30								W					
6														ROCK LEVEL		6.15 - 6.45		12/30								S					
7				6.10		2.40				REDDISH BROWN		COMPLETELY WEATHERED ROCK		WHITISH GREY, BLACKISH GREY, GREY MEDIUM GRAINED STRONGLY DISCOLOURED SLIGHTLY FRACTURED FELDSPAR RICH BIOTITE GNEISS ROCK		7.45 - 7.45		18/30								W					
8				7.65		1.55				WHITISH GREY		BIOTITE GNEISS		WHITISH GREY, BLACKISH GREY, GREY MEDIUM GRAINED DISCOLOURED SLIGHTLY FRACTURED FELDSPAR RICH BIOTITE GNEISS ROCK		100%		80%								C					
9				8.65		1.00				WHITISH GREY		BIOTITE GNEISS		SAME AS NEXT DESCRIPTIONS		100%		89%								C					
10				9.65		2.00																									

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Tel : 0094-01-517037, 517365, Fax : 509806 E-mail : cls@lanka.com.lk



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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1										BORING LOG BOREHOLE No : AD-32 Sheet No : 1 of 2 COORDINATES: X= 111 470.255 Y= 193 497.707 GROUND ELEVATION EL (m) : 4.00m CHAINAGE : GROUND WATER LEVEL (m) : 3.00m									
LOCATION : Kadawatha										DATE : From : 25-06-2007 To : 26-06-2007									
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	STANDARD PENETRATION TEST			TEST SAMPLE		REMARKS				
										CURVE OF BLOWS			METHOD	DEPTH (GWL)					
0							STIFF BROWN, YELLOWISH BROWN CLAYEY SILT. 0.00-1.00 SAMPLE CONSISTED WITH PLANT ROOTS	1.45- 1.45	11/20										
1					BROWN	CLAYEY SILT													
2																			
3							SOFT PALE YELLOW BROWNISH YELLOW CLAYEY SILT	2.15- 2.45	13/20										
4					YELLOW	CLAYEY SILT													
5							BLACKISH GREY, GREY ORGANIC CLAYEY FINE TO COARSE SAND WITH PARTIALLY DECOMPOSED WOODEN FRAGMENTS	3.45 3.45	06/20										
6					BLACKISH GREY	ORGANIC CLAYEY SAND													
7							STIFF BLACKISH GRAY, BLACK PEATY ORGANIC CLAY WITH PARTICULARLY DECOMPOSED WOODS FRAGMENTS	5.15 5.45	11/20										
8					BLACKISH GREY	ORGANIC CLAYEY SAND													
9							SOFT BLACKISH GREY, GREY ORGANIC CLAYEY FINE TO COARSE SAND WITH PARTIALLY DECOMPOSED WOODEN FRAGMENTS AND GRAVEL	6.45 6.45	5/30										
10					PALE YELLOW	COMPLETELY WEATHERED ROCK													
							PALE YELLOW, GREENISH GREY CLAYEY SILT WITH CONSIDERABLE AMOUNT OF ROCK FRAGMENTS AND TRACES OF MICA. COMPLETELY WEATHERED ROCK.	7.45 7.45	4/30										

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I										BORING LOG BOREHOLE No : AD-32 Sheet No : 2 of 2 COORDINATES: X= 111 470.255 Y= 193 497.707 GROUND ELEVATION, EL (m) :4.00m CHAINAGE : GROUND WATER LEVEL (m) : 3.00m															
LOCATION : Kadawatha										DATE : From : 25-06-2007 To : 26-06-2007															
ELEVATION (m)		DEPTH (m)		THICKNESS (m)		LEGEND		COLOUR		SOIL NAME		DESCRIPTION		DEPTH (m)		BLOWS / cm		STANDARD PENETRATION TEST				TEST SAMPLE		REMARKS	
																		CURVE OF BLOWS				METHOD		DEPTH (GWL)	
																		0 10 20 30 40 50							

GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I										BORING LOG No: AD-33 Sheet No: 1 of 1 COORDINATES: X= 111 439.947 Y= 193 433.323 GROUND ELEVATION, EL (m) :0.614m CHAINAGE :									
LOCATION : Kadawatha										GROUND WATER LEVEL (m) : 0.00m									
DATE	From :	To :	DATE	From :	To :	STANDARD PENETRATION TEST										TEST SAMPLE			
DEPTH (m)		ELEVATION (m)		THICKNESS (m)		LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS				METHOD	REMARKS		
SCALE (m)		10.00		2.55												0 10 20 30 40 50			
0								ORGANIC CLAYEY SAND	VERY SOFT BLACKISH GREY, ORGANIC CLAYEY FINE TO COARSE ANGULAR TO SUB ANGULAR SAND	0.45	0.45	1					D	GWL AT THE SURFACE LEVEL	
1	0.50	0.50				X				1.15	1.30	1					S		
2						X	GREY	SILTY CLAY	VERY SOFT GREY, BROWNISH YELLOW SILTY CLAY WITH SOME ORGANIC MATTERS	2.15	0.30	0					W		
3	2.45	1.95				X				2.45	0.30	3					S		
4						X	BLACKISH GREY	PEATY ORGANIC CLAY	SOFT BLACKISH GREY, GREY PEATY ORGANIC CLAY	3.45	0.30	4					W		
5	4.45	2.00				X			VERY LOOSE WHITISH GREY, PALE YELLOW CLAYEY MEDIUM TO COARSE ANGULAR TO SUB ANGULAR SAND WITH ROCK FRAGMENTS	4.45	0.40	7					S		
6	5.45	1.00				X	WHITISH GREY	CLAYEY SAND		5.45	0.30	17					W		
7						X	GREY	SILTY CLAY	STIFF GREY, BROWNISH GREY, PALE YELLOW SILTY CLAY	6.45	0.30	1					S		
8	7.45	2.00				X			BROWN, WHITISH GRAY SLIGHTLY SANDY SILTY CLAY	7.45	0.30	10					W		
9						X	BROWN	COMPLETELY WEATHERED ROCK	COMPLETELY WEATHERED ROCK	9.15	0.30						S		
10	10.00	2.55				X			END OF BORING	9.45	0.30						W		

Engineering & Laboratory Services (Pvt) Ltd.
Tel : 0094-01-517037, 517365, Fax : 509806 E-mail : els@lanka.com.lk.

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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION I										BORING LOG AD-34 No : Sheet No : 1 of 2 COORDINATES: X=111 412.835 Y=193 358.964 GROUND ELEVATION, EL (m): 1.197m CHAINAGE : GROUND WATER LEVEL (m): 0.00m									
LOCATION : Kadawatha																			
DATE		: From :		14/07/2007		To :				STANDARD PENETRATION TEST		TEST SAMPLE		REMARKS					
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	CURVE OF BLOWS	METHOD	DEPTH (GWI)							
0							SOFT BROWN, PALE YELLOWISH BROWN CLAYEY SILT	0.45 0.45	0.20		D		GWL AT THE SURFACE						
1								1.45 1.45	3.30		S								
2								2.45 2.45	3.30		W								
3								3.45 3.45	2.30		S								
4						ORGANIC CLAY WITH PEAT	SOFT BLACKISH GREY, GREY SLIGHTLY SILTY ORGANIC CLAY WITH PEAT INCREASED WITH THE DEPTH	4.45 4.45	3.30		W								
5								5.45 5.45	3.30		S								
6								6.45 6.45	4.30		W								
7						SAND	LOOSE WHITISH GREY, GREY FINE TO COARSE ANGULAR TO SUB ANGULAR SAND	7.45 7.45	12.30		S								
8							WASHED SAMPLE: WHITISH GREY, GREY FINE TO COARSE ANGULAR TO SUB ANGULAR SAND WITH ANGULAR QUARTZ GRAINS	7.95 7.95			W								
9																			
10											W								

Engineering & Laboratory Services (Pvt) Ltd.
Tcl : 0094-01-517037, 517365, Fax : 509806 E-mail : els@lanka.com.lk.

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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: AD-35 Sheet No: 2 of 2 COORDINATES: X= 111 399.165 Y= 193 311.997 GROUND ELEVATION, EL (m): 2.235m CHAINAGE :				
LOCATION : Kadawatha					DATE : 2007/07/19 To: 2007/07/22					GROUND WATER LEVEL (m) : 0.30m				
DEPTH (m)	ELEVATION (m)	THICKNESS (m)	LOGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	STANDARD PENETRATION TEST			TEST SAMPLE		REMARKS
SCALE (m)									CURVE OF BLOWS	METHOD	DEPTH (GWL)			
10						SAME AS PREVIOUS DESCRIPTIONS	10.15	4/30		W				
11	10.30	8.30		BLACKISH GREY	SILTY CLAY WITH PEAT		10.45		4	W				
12					SANDY ORGANIC CLAY	STIFF GREY, BLACKISH GREY, WHITISH GREY, SLIGHTLY SILTY FINE SANDY ORGANIC CLAY	11.45	6/30	6	S				
13							12.15	11/30	11	W				
14	13.00	2.7		GREY	COMPLETELY WEATHERED ROCK	GREY, BLACKISH GREY, WHITISH GREY, SLIGHTLY CLAYEY SILTY FINE TO MEDIUM SAND COMPLETELY WEATHERED ROCK	13.15	20/30	20	S				
15					GARNET BIOTITE GNEISS	GREY, WHITISH GREY, BLACKISH GREY, MEDIUM GRAINED FAINTLY DISCOLOURED, MODERATELY FRACTURED GARNET BIOTITE GNEISS	14.15	76%		C				
16	15.20	1.00		GREY	GARNET BIOTITE GNEISS	GREY, WHITISH GREY, BLACKISH GREY, MEDIUM GRAINED FAINTLY DISCOLOURED MODERATELY FRACTURED GARNET BIOTITE GNEISS	15.20	84%		C				
17	16.20	1.00		GREY	GARNET BIOTITE GNEISS	GREY, WHITISH GREY, BLACKISH GREY, MEDIUM GRAINED FAINTLY DISCOLOURED MODERATELY FRACTURED GARNET BIOTITE GNEISS	16.20	90%		C				
18	17.20	1.00				END OF BORING	17.20							
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: AD-36 Sheet No: 1 of 2 COORDINATES: X= 111 432.164 Y= 193 296.262 GROUND ELEVATION, EL (m): 1.089m CHAINAGE :				
LOCATION : Kadawatha					DATE : 15/07/2007 To: 15/07/2007					GROUND WATER LEVEL (m) : 0.00m				
DEPTH (m)	ELEVATION (m)	THICKNESS (m)	LOGEND	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	STANDARD PENETRATION TEST			TEST SAMPLE		REMARKS
SCALE (m)									CURVE OF BLOWS	METHOD	DEPTH (GWL)			
0						VERY SOFT GREY, BLACKISH GREY, BROWNISH GREY, SLIGHTLY SANDY SILTY ORGANIC CLAY WITH PLANT ROOTS, 1.00-1.45 SAMPLE CONSISTED WITH WOODEN PARTICLES.	0.15	01/30	1	D				
1				GREY		VERY SOFT GREY, YELLOWISH GREY PALE GREENISH GREY SLIGHTLY SILTY FINE TO COARSE SANDY CLAY ANGULAR TO SUB ANGULAR CLAY CONTENT INCREASED WITH THE DEPTH	0.45	01/30	1	S				
2	1.45	1.45		GREY	SANDY CLAY		1.45	01/30	1	W				
3							2.15	01/30	1	S				
4	3.45	2.00					2.45	01/30	1	W				
5				GREY	CLAYEY SAND	VERY LOOSE GREY, BROWNISH GREY, SLIGHTLY SILTY CLAYEY FINE TO COARSE ANGULAR TO SUB ANGULAR SAND WITH ROCK FRAGMENTS	3.45	03/30	3	S				
6	5.45	2.00					4.45	03/30	3	W				
7							5.45	03/30	3	S				
8				PALE YELLOW	SILTY SAND	LOOSE PALE YELLOW, YELLOWISH GRAY, SLIGHTLY CLAYEY SILTY FINE TO MEDIUM ANGULAR TO SUB ANGULAR SAND	6.45	03/30	6	W				
9							7.65	6/30	6	S				
10							9.15	10/30	10	W				



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LOCATION : Kadawatha										GROUND WATER LEVEL (m): 0.30m											
DATE : 07/06/2007		To: 08/06/2007																			
THICKNESS (m)		COLOUR		SOIL NAME		DESCRIPTION		DEPTH (m)		BLOWS / cm		STANDARD PENETRATION TEST		TEST SAMPLE		REMARKS					
LEGEND		DEPTH (m)		ELEVATION (m)		SCALE (m)		CURVE OF BLOWS		METHOD		DEPTH (GWL)									
0		1		2		3		4		5		6		7		8		9		10	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
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X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
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X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
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X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X		X		X	
X		X		X		X		X		X		X		X		X					

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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: AD-38 Sheet No: 2 of 2 COORDINATES: X= 110 218.544 Y= 200 298.738 GROUND ELEVATION, EL (m): 7.701m CHAINAGE :															
LOCATION : Kadawatha										GROUND WATER LEVEL (m) : 0.30m															
DATE : 07/06/2007		To : 08/06/2007																							
SCALE (m)		ELEVATION (m)		DEPTH (m)		THICKNESS (m)		LEGEND		COLOUR		SOIL NAME		DESCRIPTION		DEPTH (m)		BLOWS / cm		STANDARD PENETRATION TEST		TEST SAMPLE		REMARKS	
																				CURVE OF BLOWS		METHOD		DEPTH (GWL)	

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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1					BORING LOG					BOREHOLE No : AD-39 Sheet No : 1 of 2 COORDINATES: X=110 183.352 Y= 200 249.618 GROUND ELEVATION, EL (m) : 7.629m CHAINAGE :				
LOCATION : Kadawatha					DATE : From : 13-06-2007 To : 19-06-2007					GROUND WATER LEVEL (m) : 0.00m				
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	STANDARD PENETRATION TEST		TEST SAMPLE		REMARKS	
									CURVE OF BLOWS	METHOD	DEPTH (GWL)			
0						VERY SOFT PALE BROWN, BROWNISH GRAY SILTY CLAY	1.15 - 1.45	06/30			D			
1							1.45				S			
2							2.15 - 2.45	10/20			W			
3	2.30	2.30		GREY	SANDY CLAY	GREY, PALE YELLOWISH GREY MEDIUM TO COARSE ANGULAR TO SUB ANGULAR SANDY CLAY WITH QUARTZ GRAINS	3.15 - 3.45	29/20			S			
4						GREENISH BROWN, PALE WHITISH BROWN SLIGHTLY CLAYEY SILTY FINE TO MEDIUM SAND WITH ANGLAR TO SUB ANGULAR QUARTZ GRAINS	4.15 - 4.45	60/20			W			
5	3.00			BROWN	COMPLETELY WEATHERED ROCK	4.00-5.50 SAMPLE COLOUR CHANGED TO PALE WHITISH YELLOW COLOUR COMPLETELY WEATHERED	5.45 - 5.45	0/30			S			
6		5.90	2.90			ROCK BOULDER: PALE GREENISH GREY, PALE YELLOWISH GREY MEDIUM GRAINED STRONGLY DISCOLOURED HIGHLY FRACTURED HIGHLY WEATHERED QUARTZ RICH FELDSPHATIC GNEISS					W			
7	7.00	1.10				WASHED SAMPLE: GREY, BLACKISH GREY FINE TO MEDIUM ANGULAR TO SUB ANGULAR SAND WITH TRACESS OF MICA AND QUARTZ GRAINS. COMPLETELY WEATHERED ROCK					W			
8				GREY	COMPLETELY WEATHERED ROCK									
9	9.15	2.15				ROCK LEVEL SAME AS NEXT DESCRIPTIONS					C			
10														

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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1					BORING LOG BOREHOLE No: AD-39 Sheet No: 2 of 2 COORDINATES: X=110 183.352 Y= 200 249.618 GROUND ELEVATION, EL (m) : 7.629m CHAINAGE :						
LOCATION : Kadawatha					GROUND WATER LEVEL (m) : 0.00m						
DATE	From :	13-06-2007	To :	19-06-2007							
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	COLOUR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	STANDARD PENETRATION TEST	TEST SAMPLE	REMARKS
0						GREY, OFF WHITE, PINKISH RED MEDIUM GRAINED STRONGLY DISCOLOURED HIGHLY FRACTURED FELDSPHATIC GNEISS ROCK	20%	0%			
11		10.50	1.35			GREY, OFF WHITE, PINKISH RED MEDIUM GRAINED STRONGLY DISCOLOURED HIGHLY FRACTURED FELDSPHATIC GNEISS ROCK					
12		12.15	1.65			GREY, OFF WHITE, PINKISH RED MEDIUM GRAINED STRONGLY DISCOLOURED HIGHLY FRACTURED FELDSPHATIC GNEISS ROCK	23%	0%			
13		13.65	1.50			GREY, OFF WHITE, PINKISH RED MEDIUM GRAINED STRONGLY DISCOLOURED HIGHLY FRACTURED FELDSPHATIC GNEISS ROCK	27%	0%			
14		14.25	0.60			GREY, OFF WHITE, PINKISH RED MEDIUM GRAINED STRONGLY DISCOLOURED HIGHLY FRACTURED FELDSPHATIC GNEISS ROCK	33%	0%			
15						END OF BORING	C	r			
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 1										BORING LOG No: AD-40 Sheet No: 1 of 1 COORDINATES: X=110 197.056 Y= 200 179.806 GROUND ELEVATION, EL (m): 7.788m CHAINAGE :										BOREHOLE No: AD-40 Sheet No: 1 of 1 GROUND ELEVATION, EL (m): 7.788m CHAINAGE :									
LOCATION : Kadavatha										DATE : From : To :										GROUND WATER LEVEL (m) : 0.40m									
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	STANDARD PENETRATION TEST										TEST SAMPLE		REMARKS							
										CURVE OF BLOWS										METHOD	DEPTH (GWL)								
0										0	10	20	30	40	50														
1					GREY	PEATY ORGANIC CLAY	SOFT GREY, BLACKISH GREY SLIGHTLY SANDY PEATY ORGANIC CLAY	1.15-1.45	03/30									D											
2					GREY	SANDY CLAY	FIRM GREY, BLACKISH GREY SANDY CLAY	2.15-2.45	06/30									S											
3					GREY	COMPLETELY WEATHERED ROCK	BLACKISH GRAY, GRAY CLAYEY SAND WITH TRACES OF MICA COMPLETELY WEATHERED ROCK	3.15-3.45	21/30									W											
4					GREY	BIOTITE GNEISS	GREY, PALE YELLOWISH BROWN MEDIUM GRAINED DISCOLOURED HIGHLY FRACTURED FELDSPATHIC BIOTITE GNEISS ROCK	55.62-55.62	12.5%									S											
5					GREY	BIOTITE GNEISS	GREY, BLACKISH GREY, PINKISH RED MEDIUM GRAINED FAINTLY DISCOLOURED MODERATELY FRACTURED THINLY FOLIATED BIOTITE GNEISS ROCK	100%	70.67%									W											
6					GREY	BIOTITE GNEISS	GREY, BLACKISH GREY, PINKISH RED MEDIUM GRAINED FAINTLY DISCOLOURED MODERATELY FRACTURED THINLY FOLIATED BIOTITE GNEISS ROCK	C	r									C											
7					GREY	BIOTITE GNEISS	GREY, BLACKISH GREY, PINKISH RED MEDIUM GRAINED FAINTLY DISCOLOURED MODERATELY FRACTURED THINLY FOLIATED BIOTITE GNEISS ROCK																						
8					GREY	BIOTITE GNEISS	GREY, BLACKISH GREY, PINKISH RED MEDIUM GRAINED FAINTLY DISCOLOURED MODERATELY FRACTURED THINLY FOLIATED BIOTITE GNEISS ROCK																						
9					GREY	BIOTITE GNEISS	GREY, BLACKISH GREY, PINKISH RED MEDIUM GRAINED FAINTLY DISCOLOURED MODERATELY FRACTURED THINLY FOLIATED BIOTITE GNEISS ROCK																						
10					GREY	BIOTITE GNEISS	GREY, BLACKISH GREY, PINKISH RED MEDIUM GRAINED FAINTLY DISCOLOURED MODERATELY FRACTURED THINLY FOLIATED BIOTITE GNEISS ROCK																						
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GEOTECHNICAL SURVEY FOR DETAILED DESIGN STUDY FOR OUTER CIRCULAR HIGHWAY TO THE CITY OF COLOMBO NORTHERN SECTION 1										BORING LOG No: AD-41 Sheet No: 1 of 1 COORDINATES: X= 110 224.892 Y= 200 072.311 GROUND ELEVATION, EL (m): 8.627m CHAINAGE :										BOREHOLE No: AD-41 Sheet No: 1 of 1 GROUND ELEVATION, EL (m): 8.627m CHAINAGE :									
LOCATION : Kadawatha										DATE : From : 25/06/2007 To : 26/06/2007										GROUND WATER LEVEL (m) : 1.20m									
SCALE (m)	ELEVATION (m)	DEPTH (m)	THICKNESS (m)	LEGEND	COLOR	SOIL NAME	DESCRIPTION	DEPTH (m)	BLOWS / cm	STANDARD PENETRATION TEST					TEST SAMPLE		REMARKS												
										CURVE OF BLOWS					METHOD	DEPTH (GWL)													
0										0	10	20	30	40	50														
1						SAND	BROWN, YELLOWISH BROWN, SLIGHTLY CLAYEY FINE TO MEDIUM SAND	1.15-1.45	10/30								D												
2					RED	SILTY SAND	LOOSE RED, REDDISH BROWN, SILTY FINE SAND WITH SOME LATERITIC CLAY	1.45-2.15	4/30								S												
3					BLACK	SILTY CLAY	SOFT BLACK, BLACKISH GREY, DARK GREY SILTY CLAY WITH SOME FINE SAND	2.15-2.45	4/30								W												
4					BLACKISH GREY	COMPLETELY WEATHERED ROCK	WHITISH GREY, GREY, FINE TO MEDIUM ANGULAR TO SUB ANGULAR SAND, SHOWS RELICT STRUCTURES, COMPLETELY WEATHERED ROCK.	3.15-3.45	18/30								S												
5					GREY	BIOTITE GNEISS	GREY, WHITISH GREY, YELLOWISH GREY, SILTY FINE TO MEDIUM ANGULAR TO SUB ANGULAR SAND, SHOWS RELICT STRUCTURES, COMPLETELY WEATHERED ROCK.	92%	87.50%								W												
6					GREY	BIOTITE GNEISS	GREY, WHITISH GREY, YELLOWISH GREY MEDIUM GRAINED DISCOLOURED MODERATELY FRACTURED BIOTITE GNEISS	79%	62%								C												
7					GREY	BIOTITE GNEISS	GREY, BLuish GREY, WHITISH GREY MEDIUM GRAINED FAINTLY DISCOLOURED MODERATELY FRACTURED BIOTITE GNEISS	100%	92%								C												
8							GREY, WHITISH GREY, BLACKISH GREY MEDIUM GRAINED SLIGHTLY FRACTURED THINLY FOLIATED FRESH BIOTITE GNEISS	C	r																				
9							END OF BORING																						
10																													
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