DATA BOOK 1

SOIL LABORATORY TEST

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SOIL LABORATORY TEST
(Remaining Data is undergoing the test by SIAM TONE)

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SIAM TONE CO., LTD.

Water Content & Unit Weight Determination

Project: Land Subsidence Siem Reab
Location: Cambodia
Tested: THS
Date: May-97
Sheet No: 1

Test No:		A	B	A	B	A	B	A	B
Borehole No:		WT-3	WT-3	WT-3	WT-3	WT-3	WT-3	WT-3	WT-3
Sample No:		DB-1	DB-1	DB-2	DB-2	DB-3	DB-3	DB-4	DB-4
Soil Type		C+S	C+S	C	C	S	S	S+C	S+C
Colour Code		12	12	12	12	12	12	12	12
Depth (m.)	From	18.30	18.30	24.00	24.00	27.20	27.20	29.00	29.00
	To	18.80	18.80	24.50	24.50	27.50	27.50	29.50	29.50
Tin No:		D-79	D-36	D-2	D-75	D-107	D-28	D-52	D-192
Wt. of Tin	gm.	21.52	16.60	15.03	25.52	23.10	13.28	13.25	24.06
Wt. of Tin + Wet Soil	gm.	983.20	940.75	736.60	938.76	797.44	423.95	869.64	767.35
Wt. of Tin + Dry Soil	gm.	885.67	843.90	637.84	811.81	709.85	381.41	780.27	692.77
Wt. of Water	gm.	97.53	96.85	98.76	126.95	87.59	42.54	89.37	74.58
Wt. of Dry Soil	gm.	864.15	827.30	622.81	786.29	686.75	368.13	767.02	668.71
Water Content	%	**11.3**	**11.7**	**15.9**	**16.1**	**12.8**	**11.6**	**11.7**	**11.2**
Avg. Water Content	%	**11.5**		**16.0**		**12.2**		**11.4**	
Sample Height	cm.	14.68	14.24	11.71	14.26	12.38		13.50	11.32
Sample Diameter	cm.	6.14	6.16	6.04	6.20	6.05		6.07	6.01
Wt. of Wet Soil	gm.	964.55	925.21	722.49	914.54	775.05		857.32	743.94
Volume of Sample	cc.	435.04	424.95	335.52	430.06	355.99		390.76	321.39
Total Unit Weight	ton/m^3	**2.22**	**2.18**	**2.15**	**2.13**	**2.18**		**2.19**	**2.31**
Avg. Total Unit Weight	ton/m^3	**2.2**		**2.1**		**2.2**		**2.3**	
Dry Unit Weight	ton/m^3	**1.99**	**1.95**	**1.86**	**1.83**	**1.93**		**1.97**	**2.08**

Test No:		A	B	A	B	A	B	A	B
Borehole No:		WT-3	WT-3	WT-3	WT-3	WT-4	WT-4	WT-4	WT-4
Sample No:		DB-5	DB-5	DB-6	DB-6	DB-1	DB-1	DB-2	DB-2
Soil Type		S+C	S+C	C	C	C+S	C+S	C+S	C+S
Colour Code		12	12	14	14	14	14	14	14
Depth (m.)	From	33.00	33.00	36.10	36.10	9.40	9.40	18.40	18.40
	To	33.45	33.45	36.60	36.60	9.60	9.60	18.80	18.80
Tin No:		D-18	D-122	D-177	D-91	D-183	D-213	D-66	D-70
Wt. of Tin	gm.	17.09	23.06	21.18	23.05	23.23	22.44	21.79	15.26
Wt. of Tin + Wet Soil	gm.	892.21	827.12	919.50	967.13	300.75	745.96	941.31	932.70
Wt. of Tin + Dry Soil	gm.	788.19	725.60	797.96	847.03	262.38	641.55	847.45	830.26
Wt. of Water	gm.	104.02	101.52	121.54	120.10	38.37	104.41	93.86	102.44
Wt. of Dry Soil	gm.	771.10	702.54	776.78	823.98	239.15	619.11	825.66	815.00
Water Content	%	**13.5**	**14.5**	**15.6**	**14.6**	**16.0**	**16.9**	**11.4**	**12.6**
Avg. Water Content	%	**14.0**		**15.1**		**16.5**		**12.0**	
Sample Height	cm.	13.28	13.64	14.07	14.67		11.74	14.48	14.77
Sample Diameter	cm.	6.07	6.16	6.11	6.14		6.09	6.05	5.95
Wt. of Wet Soil	gm.	876.12	903.15	899.81	945.58		726.12	921.94	921.37
Volume of Sample	cc.	384.62	406.85	412.09	434.94		341.97	415.90	410.77
Total Unit Weight	ton/m^3	**2.28**	**2.22**	**2.18**	**2.17**		**2.12**	**2.22**	**2.24**
Avg. Total Unit Weight	ton/m^3	**2.2**		**2.2**		**2.1**		**2.2**	
Dry Unit Weight	ton/m^3	**2.01**	**1.94**	**1.89**	**1.90**		**1.82**	**1.99**	**1.99**

SIAM TONE CO., LTD.

Water Content & Unit Weight Determination

Project: Land Subsidence Siem Reab
Location: Cambodia
Tested: THS
Date: May-97
Sheet No: 2

Test No:		A	B	A	B	A	B	A	B
Borehole No:		WT-4	WT-4	WT-4	WT-4	WT-4	WT-4	WT-4	WT-4
Sample No:		DB-3	DB-3	DB-4	DB-4	DB-5	DB-5	DB-6	DB-6
Soil Type		C+S	C+S	C+S	C+S	C+S	C+S	S+C+ST	S+C+ST
Colour Code		14	14	14	14	14	14	20	20
Depth (m.)	From	29.20	29.20	32.50	32.50	36.75	36.75	54.60	54.60
	To	29.50	29.50	32.95	32.95	37.00	37.00	55.00	55.00
Tin No:		D-173	D-14	D-87	D-176	D-227	D-129	D-105	D-22
Wt. of Tin	gm.	22.52	14.25	21.91	21.01	21.28	22.39	23.26	16.18
Wt. of Tin + Wet Soil	gm.	828.70	307.45	947.94	785.40	478.99	916.23	905.43	631.21
Wt. of Tin + Dry Soil	gm.	725.11	268.53	851.63	708.75	418.95	801.21	817.13	571.42
Wt. of Water	gm.	103.59	38.92	96.31	76.65	60.04	115.02	88.30	59.79
Wt. of Dry Soil	gm.	702.59	254.28	829.72	687.74	397.67	778.82	793.87	555.24
Water Content	%	**14.7**	**15.3**	**11.6**	**11.1**	**15.1**	**14.8**	**11.1**	**10.8**
Avg. Water Content	%	**15.0**		**11.4**		**14.9**		**10.9**	
Sample Height	cm.	12.64		14.45	11.77		14.00	13.35	11.54
Sample Diameter	cm.	6.10		6.06	6.05		6.18	6.18	6.16
Wt. of Wet Soil	gm.	807.17		936.44	766.25		900.28	883.36	785.33
Volume of Sample	cc.	369.40		416.78	338.36		419.95	400.45	343.92
Total Unit Weight	ton/m^3	**2.19**		**2.25**	**2.26**		**2.14**	**2.21**	**2.28**
Avg. Total Unit Weight	ton/m^3	**2.2**		**2.3**		**2.1**		**2.2**	
Dry Unit Weight	ton/m^3	**1.90**		**2.01**	**2.04**		**1.87**	**1.99**	**2.06**

Test No:		A	B	A	B	A	B	A	B
Borehole No:		WT-4	WT-4	WT-6	WT-6	WT-6	WT-6	WT-6	WT-6
Sample No:		DB-7	DB-7	DB-1	DB-1	DB-2	DB-2	DB-3	DB-3
Soil Type		C+S+ST	C+S+ST	S	S	S	S	S	S
Colour Code		49	49	12	12	12	12	12	12
Depth (m.)	From	57.10	57.10	7.20	7.20	16.20	16.20	42.60	42.60
	To	57.45	57.45	7.50	7.50	16.60	16.60	42.90	42.90
Tin No:		D-29	D-193	D-190	D-171	D-222	D-187	D-27	D-112
Wt. of Tin	gm.	15.73	22.40	21.10	20.76	20.49	21.23	16.61	21.92
Wt. of Tin + Wet Soil	gm.	872.02	731.99	863.82	331.77	417.79	917.61	350.35	746.44
Wt. of Tin + Dry Soil	gm.	755.04	637.48	789.20	296.84	379.02	829.02	325.50	705.74
Wt. of Water	gm.	116.98	94.51	74.62	34.93	38.77	88.59	24.85	40.70
Wt. of Dry Soil	gm.	739.31	615.08	768.10	276.08	358.53	807.79	308.89	683.82
Water Content	%	**15.8**	**15.4**	**9.7**	**12.7**	**10.8**	**11.0**	**8.0**	**6.0**
Avg. Water Content	%	**15.6**		**11.2**		**10.9**		**7.0**	
Sample Height	cm.	13.38	11.02	13.10			13.31		14.90
Sample Diameter	cm.	6.16	6.15	6.00			6.12		6.04
Wt. of Wet Soil	gm.	857.61	712.36	843.83			897.40		894.68
Volume of Sample	cc.	398.76	327.36	370.39			391.54		426.92
Total Unit Weight	ton/m^3	**2.15**	**2.18**	**2.28**			**2.29**		**2.10**
Avg. Total Unit Weight	ton/m^3	**2.2**		**2.3**		**2.3**		**2.1**	
Dry Unit Weight	ton/m^3	**1.86**	**1.89**	**2.08**			**2.07**		**1.98**

SIAM TONE CO., LTD.

Water Content & Unit Weight Determination

Project: Land Subsidence Siem Reab
Location: Cambodia

Tested: THS
Date: May-97

Sheet No: 3

Test No:		A	B	A	B	A	B	A	B
Borehole No:		WT-6	WT-6	WT-7	WT-7	WT-7	WT-7	WT-7	WT-7
Sample No:		DB-4	DB-4	DB-1	DB-1	DB-2	DB-2	DB-3	DB-3
Soil Type		C	C	S+C	S+C	S+C	S+C	S+C	S+C
Colour Code		14	14	49	49	49	49	49	49
Depth (m.)	From	56.50	56.50	13.60	13.60	19.00	19.00	23.00	23.00
	To	56.80	56.80	14.00	14.00	19.60	19.60	23.40	23.40
Tin No:		D-11	D-100	D-69	D-141	D-45	D-1	D-16	D-13
Wt. of Tin	gm.	15.00	23.66	22.90	23.45	14.81	13.69	15.87	16.71
Wt. of Tin + Wet Soil	gm.	348.65	661.97	951.95	961.32	786.55	854.26	733.12	385.62
Wt. of Tin + Dry Soil	gm.	279.71	524.71	851.96	859.16	697.79	759.53	644.49	340.60
Wt. of Water	gm.	68.94	137.26	99.99	102.16	88.76	94.73	88.63	45.02
Wt. of Dry Soil	gm.	264.71	501.05	829.06	835.71	682.98	745.84	628.62	323.89
Water Content	%	**26.0**	**27.4**	**12.1**	**12.2**	**13.0**	**12.7**	**14.1**	**13.9**
Avg. Water Content	%	**26.7**		**12.1**		**12.8**		**14.0**	
Sample Height	cm.		10.60	13.99	14.12	13.14	13.95	12.20	
Sample Diameter	cm.		6.25	6.12	6.12	5.70	5.71	5.85	
Wt. of Wet Soil	gm.		640.06	930.25	938.40	774.22	841.89	717.85	
Volume of Sample	cc.		325.20	411.54	415.36	335.30	357.22	327.92	
Total Unit Weight ton/m^3			**1.97**	**2.26**	**2.26**	**2.31**	**2.36**	**2.19**	
Avg. Total Unit Weight ton/m^3		**2.0**		**2.3**		**2.3**		**2.2**	
Dry Unit Weight ton/m^3			**1.54**	**2.02**	**2.01**	**2.04**	**2.09**	**1.92**	

Test No:		A	B	A	B	A	B	A	B
Borehole No:		WT-7	WT-7	WT-7	WT-7	WT-7	WT-7	WT-7	WT-7
Sample No:		DB-4	DB-4	DB-5	DB-5	DB-6	DB-6	DB-7	DB-7
Soil Type		S	S	C	C	C	C	C	C
Colour Code		49	49	12	12	12	12	12	12
Depth (m.)	From	27.15	27.15	35.50	35.50	46.20	46.20	48.25	48.25
	To	27.50	27.50	35.80	35.80	46.75	46.75	48.50	48.50
Tin No:		D-172	D-54	D-15	D-56	D-108	D-201	D-175	D-223
Wt. of Tin	gm.	22.57	14.56	15.75	17.28	22.48	22.27	22.92	22.13
Wt. of Tin + Wet Soil	gm.	853.67	747.56	945.16	930.26	948.99	992.74	836.72	389.18
Wt. of Tin + Dry Soil	gm.	768.04	677.06	834.15	827.16	852.18	893.59	754.46	354.68
Wt. of Water	gm.	85.63	70.50	111.01	103.10	96.81	99.15	82.26	34.50
Wt. of Dry Soil	gm.	745.47	662.50	818.40	809.88	829.70	871.32	731.54	332.55
Water Content	%	**11.5**	**10.6**	**13.6**	**12.7**	**11.7**	**11.4**	**11.2**	**10.4**
Avg. Water Content	%	**11.1**		**13.1**		**11.5**		**10.8**	
Sample Height	cm.	13.55	12.16	13.72	13.97	13.60	14.20	11.59	
Sample Diameter	cm.	5.93	5.93	6.19	6.11	6.20	6.14	6.23	
Wt. of Wet Soil	gm.	834.73	739.72	930.53	914.29	927.63	972.85	814.57	
Volume of Sample	cc.	374.23	335.84	412.88	409.61	410.59	420.45	353.30	
Total Unit Weight ton/m^3		**2.23**	**2.20**	**2.25**	**2.23**	**2.26**	**2.31**	**2.31**	
Avg. Total Unit Weight ton/m^3		**2.2**		**2.2**		**2.3**		**2.3**	
Dry Unit Weight ton/m^3		**2.00**	**1.99**	**1.98**	**1.98**	**2.02**	**2.08**	**2.07**	

SIAM TONE CO., LTD.

Specific Gravity

Borehole No.	WT-3	WT-3	WT-3	WT-3	WT-3	WT-3	WT-4	WT-4	WT-4	WT-4
Sample No.	DB-1	DB-2	DB-3	DB-4	DB-5	DB-6	DB-1	DB-2	DB-3	DB-4
Depth (m) From	18.30	24.00	27.20	29.00	33.00	36.10	9.40	18.40	29.20	32.50
To	18.80	24.50	27.50	29.50	33.45	36.60	9.60	18.80	29.50	32.95
Container No.	D-79	D-2	D-107	D-52	D-18	D-177	D-183	D-66	D-173	D-87
Wt of Container	21.52	15.03	23.10	13.25	17.09	21.18	23.23	21.79	22.52	21.91
Wt. of Cont+Dry Soil	71.52	65.03	73.10	63.25	67.09	71.18	73.23	71.79	72.52	71.91
Wt. of Dry Soil	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
Flask No.	B	C	E	B	C	E	B	C	E	C
Temperature, C	27.0	27.0	27.0	27.0	27.0	27.0	27	27	27	27
Wt. of Water +	685.16	687.61	693.4	685.28	688.16	692.73	685.58	687.97	693.26	687.82
Flask + Soil										
Specific Gravity, Gs	2.57	2.52	2.63	2.59	2.59	2.54	2.63	2.56	2.61	2.54

Borehole No.	WT-4	WT-4	WT-4	WT-6	WT-6	WT-6	WT-6	WT-7	WT-7	WT-7
Sample No.	DB-5	DB-6	DB-7	DB-1	DB-2	DB-3	DB-4	DB-1	DB-2	DB-3
Depth (m) From	36.75	54.60	57.10	7.20	16.20	42.60	56.50	13.60	19.00	23.00
To	37.00	55.00	57.45	7.50	16.60	42.90	56.80	14.00	19.60	23.40
Container No.	D-227	D-105	D-29	D-109	D-222	D-27	D-11	D-141	D-1	D-16
Wt of Container	21.28	23.26	15.73	21.1	20.49	16.61	15.00	23.45	13.69	15.87
Wt. of Cont+Dry Soil	71.28	73.26	65.73	71.10	70.49	66.61	65.00	73.45	63.69	65.87
Wt. of Dry Soil	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
Flask No.	E	B	C	E	B	C	E	B	C	E
Temperature, C	27	27	27	27	27	27	27	27.0	27.0	27.0
Wt. of Water +	693.14	685.47	687.84	693.52	685.2	687.88	693.63	685.08	687.94	693.35
Flask + Soil										
Specific Gravity, Gs	2.59	2.62	2.55	2.65	2.58	2.55	2.66	2.56	2.56	2.62

Borehole No.	WT-7	WT-7	WT-7	WT-7						
Sample No.	DB-4	DB-5	DB-6	DB-7						
Depth (m) From	27.15	35.50	46.20	48.25						
To	27.50	35.80	46.75	48.50						
Container No.	D-172	D-15	D-108	D-175						
Wt of Container	22.57	15.75	22.48	22.92						
Wt. of Cont+Dry Soil	72.57	65.75	72.48	72.92						
Wt. of Dry Soil	50.00	50.00	50.00	50.00						
Flask No.	B	C	E	B						
Temperature, C	27.0	27.0	27.0	27.0						
Wt. of Water +	685.24	688.45	693.19	685.35						
Flask + Soil										
Specific Gravity, Gs	2.58	2.63	2.60	2.60						

SIAM TONE CO., LTD.

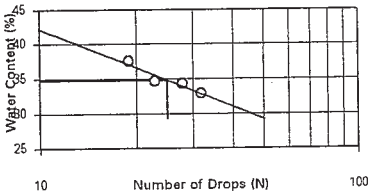
Atterberg Limits

Project : Land Subsidence Siem Reab Location : Cambodia

Borehole No. WT-3 Sample No. DB-1 Depth (m) 18.30 - 18.80

	ω_L				ω_P	
Test No./Blows	32	28	23	19	Test 1	Test 2
Container, gm.	21.77	21.87	20.76	25.52	22.27	21.61
Wet soil + cont., gm.	34.33	39.58	36.79	39.85	31.37	32.15
Dry soil + cont., gm.	31.22	35.06	32.67	35.94	30.53	31.7
ω_C %	32.91	34.27	34.59	37.52	10.17	4.46
	ω_L =		34.8	%	ω_P =	7.3
	PI =		27.5	%	USCS	CL

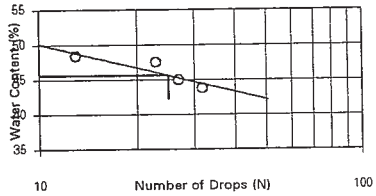
FLOW CURVE



Borehole No. WT-3 Sample No. DB-2 Depth (m) 24.00 - 24.50

	ω_L				ω_P	
Test No./Blows	32	27	23	13	Test 1	Test 2
Container, gm.	21.69	22.28	21.28	21.33	21.30	21.17
Wet soil + cont., gm.	35.52	34.58	35.44	33.38	31.97	32.06
Dry soil + cont., gm.	31.31	30.77	30.88	29.45	30.57	30.67
ω_C %	43.76	44.88	47.50	48.40	15.10	14.63
	ω_L =		45.6	%	ω_P =	14.9
	PI =		30.8	%	USCS	CL

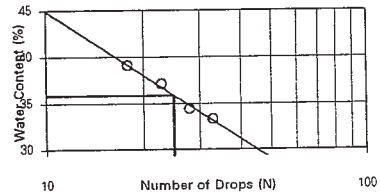
FLOW CURVE



Borehole No. WT-3 Sample No. DB-3 Depth (m) 27.20 - 27.50

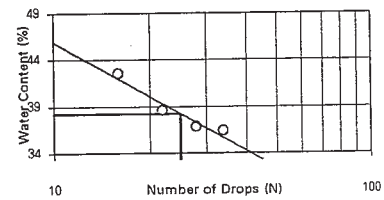
	ω_L				ω_P	
Test No./Blows	33	28	23	18	Test 1	Test 2
Container, gm.	25.69	21.85	25.65	21.36	21.86	25.67
Wet soil + cont., gm.	40.03	32.49	38	35.18	37.41	42.42
Dry soil + cont., gm.	36.45	29.77	34.66	31.3	35.42	40.52
ω_C %	33.27	34.34	37.07	39.03	14.68	12.79
	ω_L =		35.9	%	ω_P =	13.7
	PI =		22.1	%	USCS	CL

FLOW CURVE



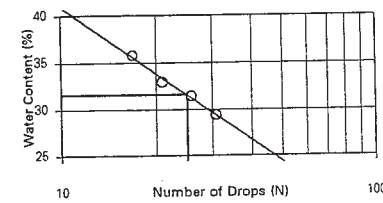
Borehole No. WT-3 Sample No. DB-4 Depth (m) 29.00 - 29.50

	ω_L				ω_P	
Test No./Blows	34	28	22	16	Test 1	Test 2
Container, gm.	22.13	21.72	25.27	22.08	21.69	25.7
Wet soil + cont., gm.	34.8	34.07	37.23	35.55	34.53	39.94
Dry soil + cont., gm.	31.42	30.75	33.9	31.53	33.04	38.26
ω_C %	36.38	36.77	38.59	42.54	13.13	13.38
	ω_L =		38.2	%	ω_P =	13.3
	PI =		25.0	%	USCS	CL



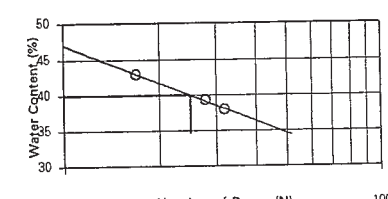
Borehole No. WT-3 Sample No. DB-5 Depth (m) 33.00 - 33.45

	ω_L				ω_P	
Test No./Blows	31	26	21	17	Test 1	Test 2
Container, gm.	25.54	22.19	21.26	21.62	22.13	21.47
Wet soil + cont., gm.	39.59	36.20	33.10	35.77	34.44	34.36
Dry soil + cont., gm.	36.40	32.85	30.17	32.04	33.04	32.84
ω_C %	29.37	31.43	32.88	35.80	12.83	13.37
	ω_L =		31.6	%	ω_P =	13.1
	PI =		18.5	%	USCS	CL



Borehole No. WT-3 Sample No. DB-6 Depth (m) 36.10 - 36.60

	ω_L				ω_P	
Test No./Blows	32	28	28	17	Test 1	Test 2
Container, gm.	25.75	21.3	21.3	21.39	21.61	22.26
Wet soil + cont., gm.	36.92	35.24	35.24	33.41	33.66	35.42
Dry soil + cont., gm.	33.85	31.31	31.31	29.8	32.21	34.02
ω_C %	37.90	39.26	39.26	42.93	13.68	11.90
	ω_L =		40.0	%	ω_P =	12.8
	PI =		27.2	%	USCS	CL



SIAM TONE CO., LTD.

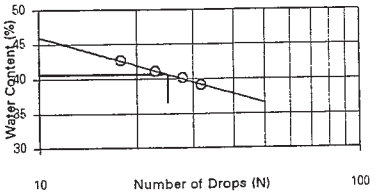
Atterberg Limits

Project : Land Subsidence Siem Reab Location : Cambodia

Borehole No. WT-4 Sample No. DB-1 Depth (m) 9.40 - 9.60

	ω_L				ω_P	
Test No./Blows	32	28	23	18	Test 1	Test 2
Container, gm.	21.77	21.13	21.65	22.24	20.67	21.76
Wet soil + cont., gm.	32.91	33.77	34.26	37.01	32.45	32.45
Dry soil + cont., gm.	29.78	30.15	30.59	32.6	30.54	30.71
ω_C %	39.08	40.13	41.05	42.57	19.35	19.44
	ω_L =		40.6	%	ω_P =	19.4
	PI =		21.2	%	USCS	CL

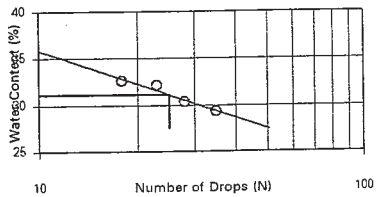
FLOW CURVE



Borehole No. WT-4 Sample No. DB-2 Depth (m) 33.00 - 33.45

	ω_L				ω_P	
Test No./Blows	35	28	23	18	Test 1	Test 2
Container, gm.	25.4	21.62	22.07	21.16	21.72	21.25
Wet soil + cont., gm.	39.07	36.37	36.72	34.59	36.96	35.2
Dry soil + cont., gm.	35.97	32.94	33.16	31.29	35.15	33.64
ω_C %	29.33	30.30	32.10	32.58	13.48	12.59
	ω_L =		31.1	%	ω_P =	13.0
	PI =		18.1	%	USCS	CL

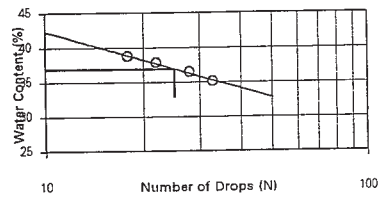
FLOW CURVE



Borehole No. WT-4 Sample No. DB-3 Depth (m) 29.20 - 29.50

	ω_L				ω_P	
Test No./Blows	33	28	22	18	Test 1	Test 2
Container, gm.	25.62	21.70	24.46	20.62	22.26	25.52
Wet soil + cont., gm.	41.07	32.25	37.75	32.23	34.01	36.61
Dry soil + cont., gm.	37.06	29.43	34.10	28.99	32.42	35.30
ω_C %	35.05	36.48	37.86	38.71	15.65	13.39
	ω_L =		36.9	%	ω_P =	14.5
	PI =		22.4	%	USCS	CL

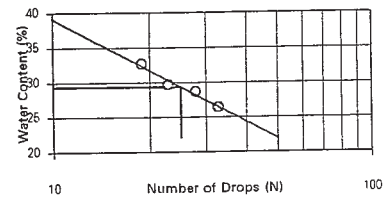
FLOW CURVE



Borehole No. WT-4 Sample No. DB-4 Depth (m) 32.50 - 32.95

	ω_L				ω_P	
Test No./Blows	33	28	23	19	Test 1	Test 2
Container, gm.	21.85	21.15	20.76	21.71	21.69	22.26
Wet soil + cont., gm.	34.03	35.08	31.95	34.85	31.82	32.55
Dry soil + cont., gm.	31.49	31.98	29.39	31.62	30.72	31.45
ω_C %	26.35	28.62	29.66	32.59	12.18	11.97
	ω_L =		29.4	%	ω_P =	12.1
check	PI =		17.3	%	USCS	CL

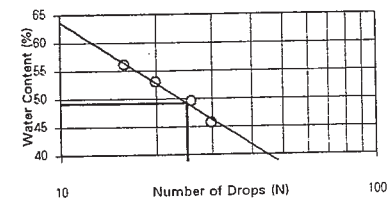
FLOW CURVE



Borehole No. WT-4 Sample No. DB-5 Depth (m) 36.75 - 37.00

	ω_L				ω_P	
Test No./Blows	30	26	20	16	Test 1	Test 2
Container, gm.	21.77	21.87	21.27	22.03	21.61	25.26
Wet soil + cont., gm.	32.46	32.11	31.84	32.78	32.10	36.45
Dry soil + cont., gm.	29.11	28.72	28.18	28.92	30.73	35.12
ω_C %	45.64	49.49	52.97	56.02	15.02	13.49
	ω_L =		49.3	%	ω_P =	14.3
check	PI =		35.0	%	USCS	CL

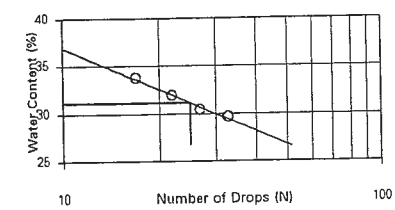
FLOW CURVE



Borehole No. WT-4 Sample No. DB-6 Depth (m) 54.60 - 55.00

	ω_L				ω_P	
Test No./Blows	33	27	22	17	Test 1	Test 2
Container, gm.	21.88	21.67	22.26	22.03	6.23	5.14
Wet soil + cont., gm.	35.40	34.41	36.45	35.00	18.32	19.07
Dry soil + cont., gm.	32.31	31.44	33.02	31.73	16.81	17.54
ω_C %	29.63	30.40	31.88	33.71	14.27	12.34
	ω_L =		31.2	%	ω_P =	13.3
	PI =		17.8	%	USCS	CL

FLOW CURVE



SIAM TONE CO., LTD.

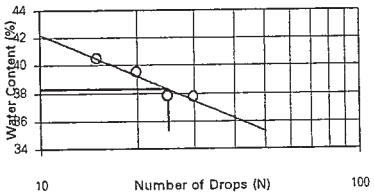
Atterberg Limits

Project : Land Subsidence Siem Reab Location : Cambodia

Borehole No. WT-4 Sample No. DB-7 Depth (m) 57.10 - 57.45

	ω_L				ω_P	
Test No./Blows	30	25	20	15	Test 1	Test 2
Container, gm.	22.19	21.16	21.68	21.16	25.45	21.62
Wet soil + cont., gm.	34.78	32.39	35.80	33.38	37.39	32.81
Dry soil + cont., gm.	31.33	29.31	31.80	29.86	35.37	31.13
ω_C %	37.75	37.79	39.53	40.46	20.36	17.67
	ω_L =		38.3	%	ω_P =	19.0
	PI =		19.3	%	USCS	CL

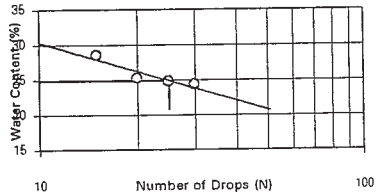
FLOW CURVE



Borehole No. WT-6 Sample No. DB-1 Depth (m) 7.20 - 7.50

	ω_L				ω_P	
Test No./Blows	30	25	20	15	Test 1	Test 2
Container, gm.	22.05	20.68	25.64	22.07	22.20	25.71
Wet soil + cont., gm.	37.64	37.74	41.20	39.67	37.70	35.33
Dry soil + cont., gm.	34.59	34.35	38.06	35.76	35.98	34.09
ω_C %	24.32	24.80	25.28	28.56	12.48	14.80
	ω_L =		24.9	%	ω_P =	13.6
	PI =		11.3	%	USCS	CL

FLOW CURVE

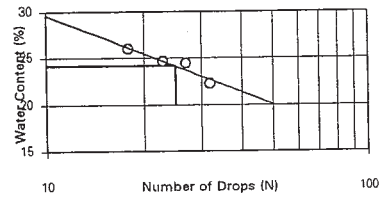


Borehole No. WT-6 Sample No. DB-2 Depth (m) 16.20 - 16.60

	ω_L				ω_P	
Test No./Blows	32	27	23	18	Test 1	Test 2
Container, gm.	21.27	21.86	21.37	22.26	20.79	25.53
Wet soil + cont., gm.	34.73	34.71	34.53	37.01	33.30	37.04
Dry soil + cont., gm.	32.28	32.19	31.93	33.97	32.11	36.11
ω_C %	22.25	24.39	24.62	25.96	10.51	8.79
	ω_L =		24.2	%	ω_P =	9.7
	PI =		14.5	%	USCS	CL

check

FLOW CURVE

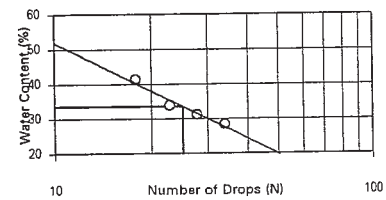


Borehole No. WT-6 Sample No. DB-3 Depth (m) 42.60 - 42.90

	ω_L				ω_P	
Test No./Blows	34	28	23	18	Test 1	Test 2
Container, gm.	21.41	21.68	22.02	21.73	21.76	25.45
Wet soil + cont., gm.	32.13	34.62	34.27	33.23	36.1	40.86
Dry soil + cont., gm.	29.76	31.55	31.17	29.87	34.47	39.04
ω_C %	28.38	31.10	33.88	41.28	12.82	13.39
	ω_L =		33.7	%	ω_P =	13.1
	PI =		20.6	%	USCS	CL

check

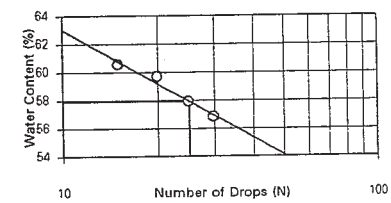
FLOW CURVE



Borehole No. WT-6 Sample No. DB-4 Depth (m) 56.50 - 56.88

	ω_L				ω_P	
Test No./Blows	30	25	20	15	Test 1	Test 2
Container, gm.	21.72	21.88	21.34	21.32	22.12	21.72
Wet soil + cont., gm.	32.90	37.37	35.28	34.21	33.00	32.40
Dry soil + cont., gm.	28.85	31.69	30.07	29.35	30.49	29.89
ω_C %	56.80	57.90	59.68	60.52	29.99	30.72
	ω_L =		58.0	%	ω_P =	30.4
	PI =		27.6	%	USCS	MH

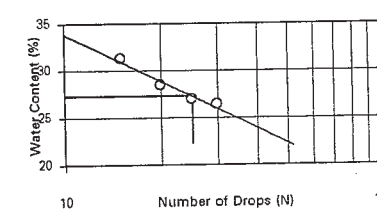
FLOW CURVE



Borehole No. WT-7 Sample No. DB-1 Depth (m) 13.60 - 14.00

	ω_L				ω_P	
Test No./Blows	30	25	20	15	Test 1	Test 2
Container, gm.	21.17	20.67	25.53	25.56	22.13	25.63
Wet soil + cont., gm.	34.14	35.51	39.26	40.98	35.38	37.46
Dry soil + cont., gm.	31.43	32.36	36.22	37.30	34.12	36.29
ω_C %	26.41	26.95	28.44	31.35	10.51	10.98
	ω_L =		27.3	%	ω_P =	10.7
	PI =		16.5	%	USCS	CL

FLOW CURVE



SIAM TONE CO., LTD.

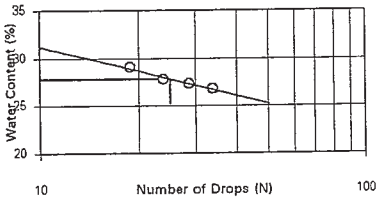
Atterberg Limits

Project : Land Subsidence Siem Reab Location : Cambodia

Borehole No. WT-7 Sample No. DB-2 Depth (m) 19.00 - 19.60

	ω_L				ω_P	
Test No./Blows	34	29	24	19	Test 1	Test 2
Container, gm.	21.21	21.3	21.61	21.23	21.23	22.27
Wet soil + cont., gm.	34.8	33.29	34.36	34.88	35.60	36.46
Dry soil + cont., gm.	31.93	30.72	31.59	31.81	34.11	35.15
ω_C %	26.77	27.28	27.76	29.02	11.57	10.17
	ω_L =	27.8	%		ω_P =	10.9
	PI =	17.0	%		USCS	CL

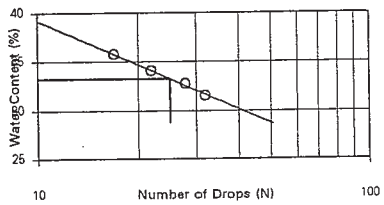
FLOW CURVE



Borehole No. WT-7 Sample No. DB-3 Depth (m) 23.00 - 23.40

	ω_L				ω_P	
Test No./Blows	32	28	22	17	Test 1	Test 2
Container, gm.	22.06	25.69	25.61	22.15	21.42	21.66
Wet soil + cont., gm.	35.71	39.55	36.52	33.65	32.81	35.76
Dry soil + cont., gm.	32.44	36.13	33.75	30.62	31.36	34.00
ω_C %	31.50	32.76	34.03	35.77	14.59	14.26
	ω_L =	33.3	%		ω_P =	14.4
	PI =	18.8	%		USCS	CL

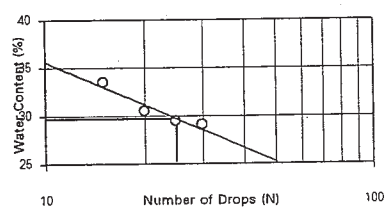
FLOW CURVE



Borehole No. WT-7 Sample No. DB-4 Depth (m) 27.15 - 27.50

	ω_L				ω_P	
Test No./Blows	30	25	20	15	Test 1	Test 2
Container, gm.	22.12	21.64	21.17	21.58	25.52	21.47
Wet soil + cont., gm.	35.71	35.84	34.14	33.33	37.44	31.96
Dry soil + cont., gm.	32.65	32.61	31.11	30.38	36.41	30.99
ω_C %	29.06	29.44	30.48	33.52	9.46	10.19
	ω_L =	29.7	%		ω_P =	9.8
	PI =	19.9	%		USCS	CL

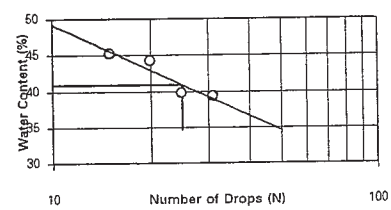
FLOW CURVE



Borehole No. WT-7 Sample No. DB-5 Depth (m) 35.50 - 35.80

	ω_L				ω_P	
Test No./Blows	31	25	20	15	Test 1	Test 2
Container, gm.	21.23	20.69	21.62	21.14	21.70	26.17
Wet soil + cont., gm.	34.06	32.57	34.54	33.19	36.35	40.57
Dry soil + cont., gm.	30.44	29.19	30.58	29.44	34.67	38.82
ω_C %	39.31	39.76	44.20	45.18	12.95	13.83
	ω_L =	40.9	%		ω_P =	13.4
	PI =	27.5	%		USCS	CL

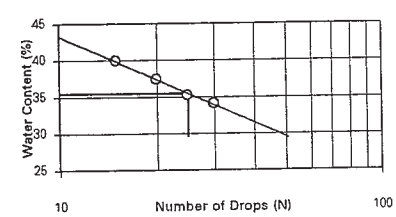
FLOW CURVE



Borehole No. WT-7 Sample No. DB-6 Depth (m) 46.20 - 46.75

	ω_L				ω_P	
Test No./Blows	30	25	20	15	Test 1	Test 2
Container, gm.	21.28	21.78	21.34	21.86	21.75	25.64
Wet soil + cont., gm.	33.70	35.10	33.64	34.55	32.25	38.49
Dry soil + cont., gm.	30.54	31.63	30.29	30.93	31.06	36.94
ω_C %	34.13	35.23	37.43	39.91	12.78	13.72
	ω_L =	35.5	%		ω_P =	13.2
	PI =	22.2	%		USCS	CL

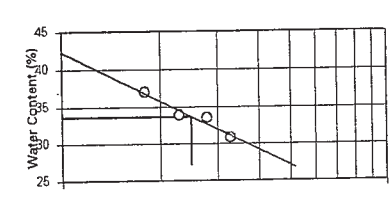
FLOW CURVE



Borehole No. WT-7 Sample No. DB-7 Depth (m) 42.25 - 48.50

	ω_L				ω_P	
Test No./Blows	33	28	23	18	Test 1	Test 2
Container, gm.	22.23	25.60	21.15	25.26	21.77	22.14
Wet soil + cont., gm.	36.99	37.81	35.05	39.26	39.63	36.42
Dry soil + cont., gm.	33.52	34.75	31.54	35.48	37.61	34.78
ω_C %	30.74	33.44	33.78	36.99	12.75	12.97
	ω_L =	33.7	%		ω_P =	12.9
	PI =	20.8	%		USCS	CL

FLOW CURVE



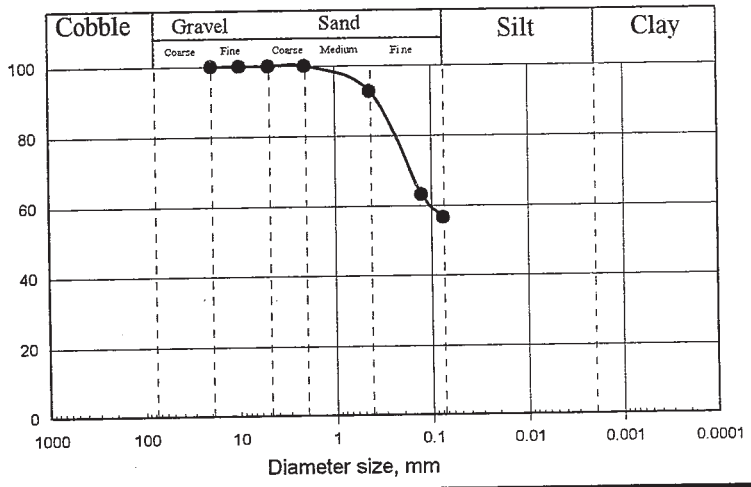
check

SIAM TONE CO., LTD.

Wet Sieve Analysis

Location: CAMBODIA
Borehole No. WT-3
Sample No. DB-1
Depth (m): 18.30-18.80
Wt. of Dry Sample 179.07 g

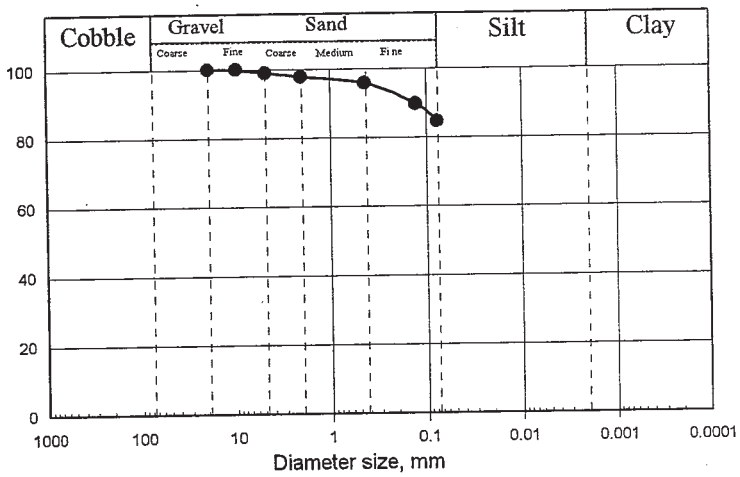
Sieve No.	Sieve Size	Soil Mass Retained (g)	Passing %
3/4"	19 mm	0.00	100.0
3/8"	9.5 mm	0.00	100.0
# 4	4.75 mm	0.00	100.0
#10	2.00 mm	0.00	100.0
#40	425 µm	13.07	92.7
#120	125 µm	53.05	63.1
#200	75 µm	11.73	56.5



	Gravel	Sand			Silt + Clay
		Coarse	Medium	Fine	
%	0	0	7	36	57

Location: CAMBODIA
Borehole No. WT-3
Sample No. DB-2
Depth (m): 24.00-24.50
Wt. of Dry Sample 148.32 g

Sieve No.	Sieve Size	Soil Mass Retained (g)	Passing %
3/4"	19 mm	0.00	100.0
3/8"	9.5 mm	0.00	100.0
# 4	4.75 mm	1.60	98.9
#10	2.00 mm	1.51	97.9
#40	425 µm	3.20	95.7
#120	125 µm	8.89	89.8
#200	75 µm	7.70	84.6



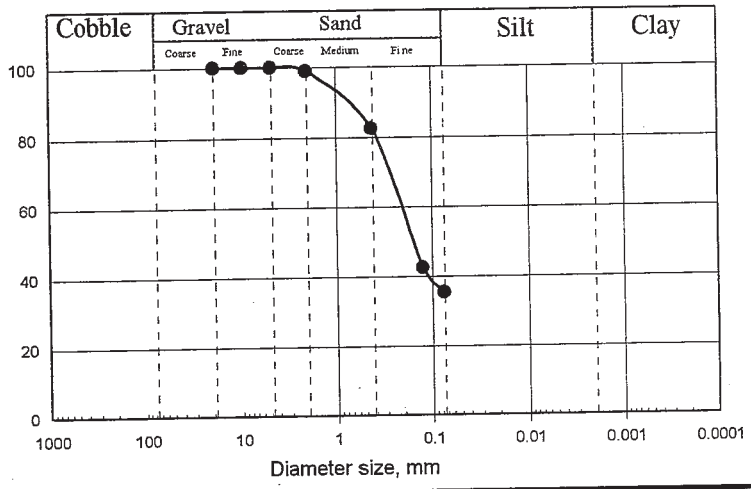
	Gravel	Sand			Silt + Clay
		Coarse	Medium	Fine	
%	1	1	2	11	85

SIAM TONE CO., LTD.

Wet Sieve Analysis

Location: CAMBODIA
Borehole No. WT-3
Sample No. DB-3
Depth (m): 27.20-27.50
Wt. of Dry Sample 140.77 g

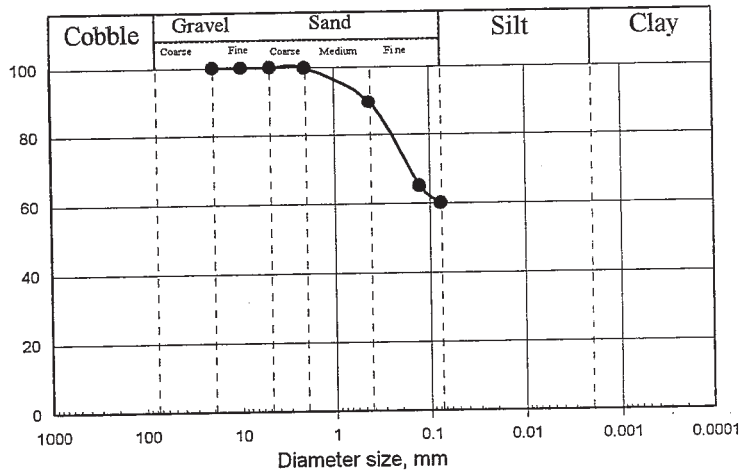
Sieve No.	Sieve Size	Soil Mass Retained (g)	Passing %
3/4"	19 mm	0.00	100.0
3/8"	9.5 mm	0.00	100.0
# 4	4.75 mm	0.00	100.0
#10	2.00 mm	1.51	98.9
#40	425 µm	23.04	82.6
#120	125 µm	56.32	42.6
#200	75 µm	10.02	35.4



	Gravel	Sand			Silt + Clay
		Coarse	Medium	Fine	
%	0	1	16	47	35

Location: CAMBODIA
Borehole No. WT-3
Sample No. DB-4
Depth (m): 29.00-29.50
Wt. of Dry Sample 179.41 g

Sieve No.	Sieve Size	Soil Mass Retained (g)	Passing %
3/4"	19 mm	0.00	100.0
3/8"	9.5 mm	0.00	100.0
# 4	4.75 mm	0.00	100.0
#10	2.00 mm	0.24	99.9
#40	425 µm	18.31	89.7
#120	125 µm	44.38	64.9
#200	75 µm	8.82	60.0



	Gravel	Sand			Silt + Clay
		Coarse	Medium	Fine	
%	0	0	10	30	60

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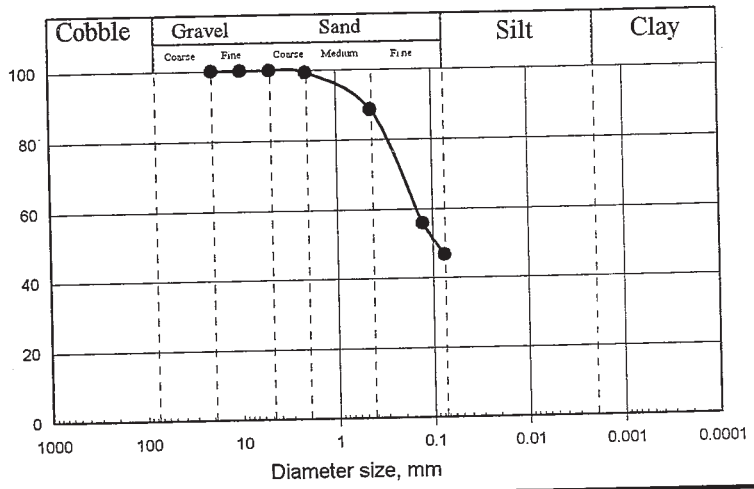
Wet Sieve Analysis

Location: CAMBODIA
Borehole No. WT-3
Sample No. DB-5
Depth (m): 33.00-33.45
Wt. of Dry Sample 174.10 g

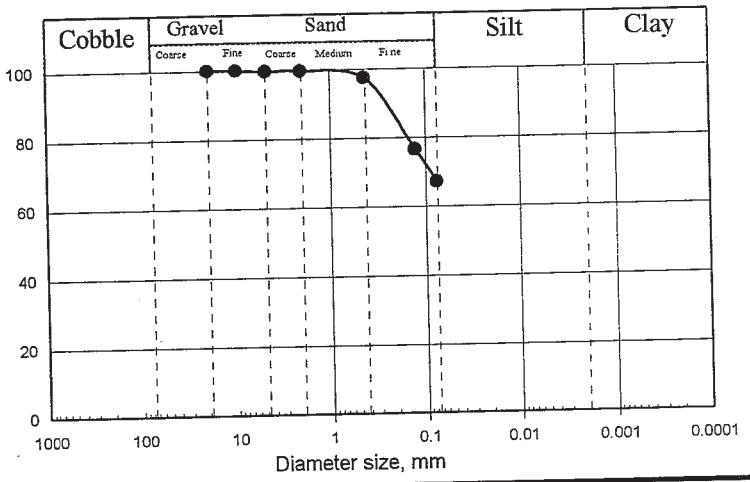
Sieve No.	Sieve Size	Soil Mass Retained (g)	Passing %
3/4"	19 mm	0.00	100.0
3/8"	9.5 mm	0.00	100.0
# 4	4.75 mm	0.00	100.0
#10	2.00 mm	1.18	99.3
#40	425 µm	18.60	88.6
#120	125 µm	57.24	55.8
#200	75 µm	15.78	46.7



	Gravel	Sand			Silt + Clay
		Coarse	Medium	Fine	
%	0	1	11	42	47

Location: CAMBODIA
Borehole No. WT-3
Sample No. DB-6
Depth (m): 36.10-36.60
Wt. of Dry Sample 202.05 g

Sieve No.	Sieve Size	Soil Mass Retained (g)	Passing %
3/4"	19 mm	0.00	100.0
3/8"	9.5 mm	0.00	100.0
# 4	4.75 mm	0.57	99.7
#10	2.00 mm	0.23	99.6
#40	425 µm	4.26	97.5
#120	125 µm	42.45	76.5
#200	75 µm	18.63	67.3



	Gravel	Sand			Silt + Clay
		Coarse	Medium	Fine	
%	0	0	2	30	67

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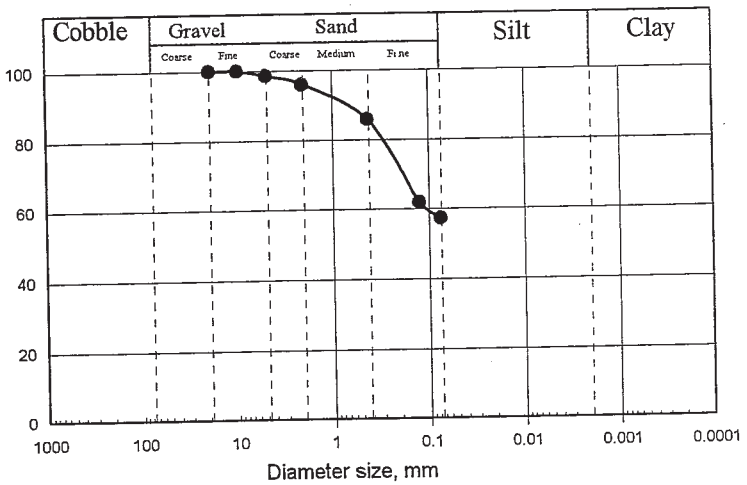
Wet Sieve Analysis

Location: CAMBODIA
Borehole No. WT-4
Sample No. DB-1
Depth (m): 9.40-9.60
Wt. of Dry Sample 171.02 g

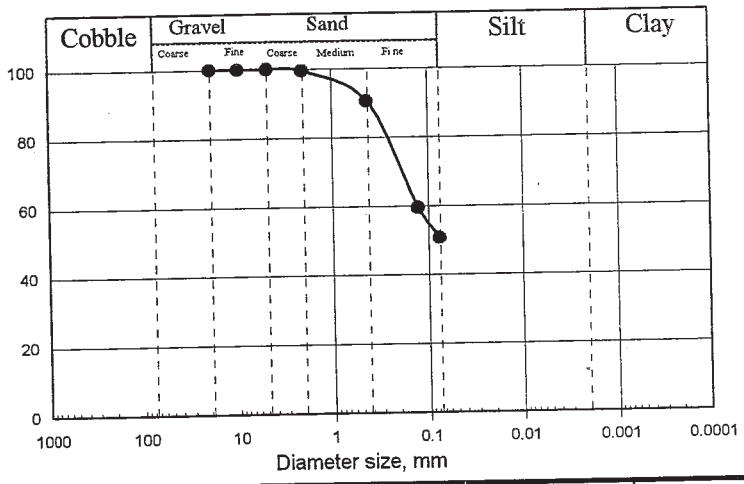
Sieve No.	Sieve Size	Soil Mass Retained (g)	Passing %
3/4"	19 mm	0.00	100.0
3/8"	9.5 mm	0.00	100.0
# 4	4.75 mm	2.46	98.6
#10	2.00 mm	4.31	96.0
#40	425 µm	17.58	85.8
#120	125 µm	41.05	61.8
#200	75 µm	7.75	57.2



	Gravel	Sand			Silt + Clay
		Coarse	Medium	Fine	
%	1	3	10	29	57

Location: CAMBODIA
Borehole No. WT-4
Sample No. DB-2
Depth (m): 18.40-18.80
Wt. of Dry Sample 199.13 g

Sieve No.	Sieve Size	Soil Mass Retained (g)	Passing %
3/4"	19 mm	0.00	100.0
3/8"	9.5 mm	0.00	100.0
# 4	4.75 mm	0.00	100.0
#10	2.00 mm	1.15	99.4
#40	425 µm	17.83	90.5
#120	125 µm	61.84	59.4
#200	75 µm	17.30	50.7



	Gravel	Sand			Silt + Clay
		Coarse	Medium	Fine	
%	0	1	9	40	51

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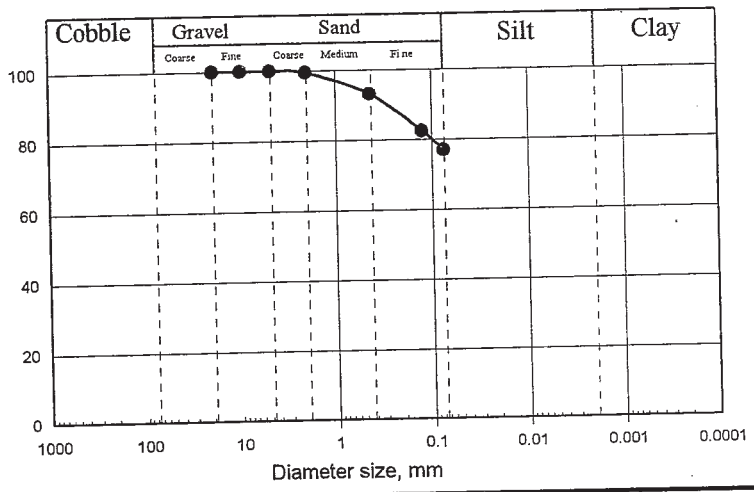
Wet Sieve Analysis

Location: CAMBODIA
Borehole No. WT-4
Sample No. DB-3
Depth (m): 29.20-29.50
Wt. of Dry Sample 188.15 g

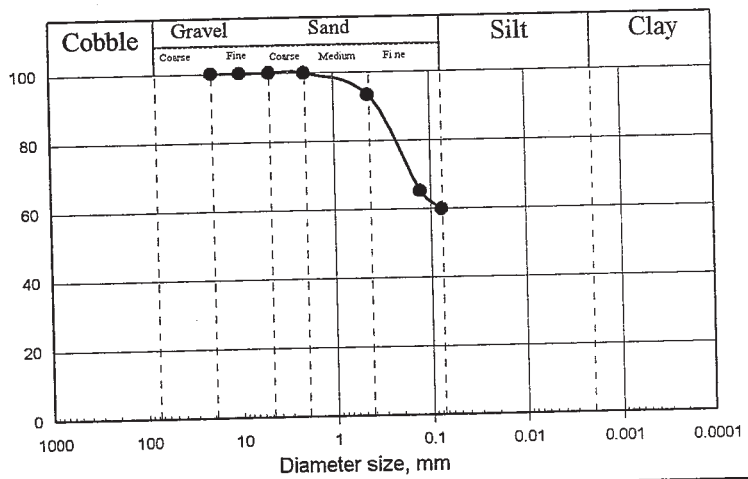
Sieve No.	Sieve Size	Soil Mass Retained (g)	Passing %
3/4"	19 mm	0.00	100.0
3/8"	9.5 mm	0.00	100.0
# 4	4.75 mm	0.00	100.0
#10	2.00 mm	0.83	99.6
#40	425 µm	11.93	93.2
#120	125 µm	20.51	82.3
#200	75 µm	10.38	76.8



	Gravel	Sand			Silt + Clay
		Coarse	Medium	Fine	
%	0	0	6	16	77

Location: CAMBODIA
Borehole No. WT-4
Sample No. DB-4
Depth (m): 32.50-32.95
Wt. of Dry Sample 226.73 g

Sieve No.	Sieve Size	Soil Mass Retained (g)	Passing %
3/4"	19 mm	0.00	100.0
3/8"	9.5 mm	0.00	100.0
# 4	4.75 mm	0.00	100.0
#10	2.00 mm	0.34	99.9
#40	425 µm	15.19	93.2
#120	125 µm	63.46	65.2
#200	75 µm	12.01	59.9



	Gravel	Sand			Silt + Clay
		Coarse	Medium	Fine	
%	0	0	7	33	60

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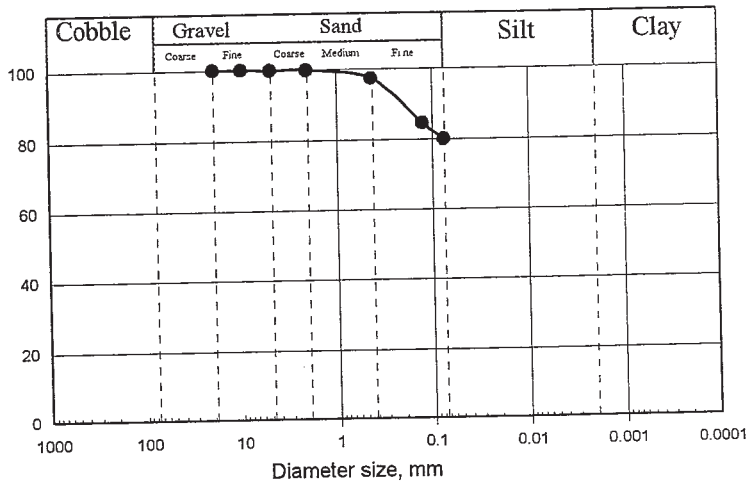
Wet Sieve Analysis

Location: CAMBODIA
Borehole No. WT-4
Sample No. DB-5
Depth (m): 36.75-37.00
Wt. of Dry Sample 192.67 g

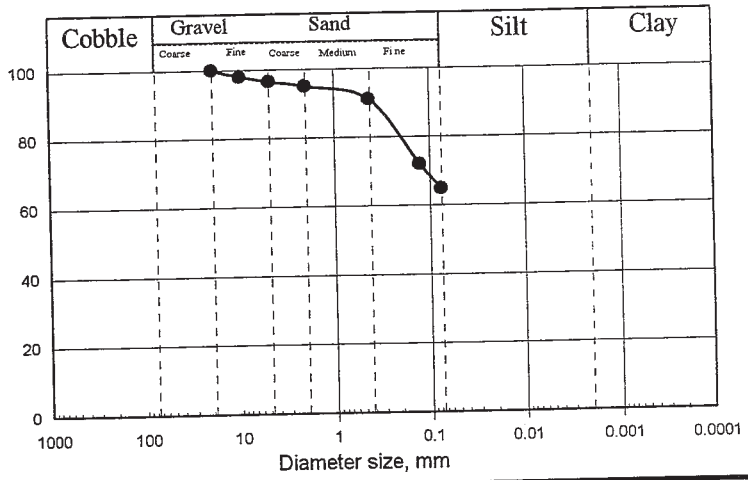
Sieve No.	Sieve Size	Soil Mass Retained (g)	Passing %
3/4"	19 mm	0.00	100.0
3/8"	9.5 mm	0.00	100.0
# 4	4.75 mm	0.16	99.9
#10	2.00 mm	0.14	99.8
#40	425 µm	4.76	97.4
#120	125 µm	24.59	84.6
#200	75 µm	9.04	79.9



	Gravel	Sand			Silt + Clay
		Coarse	Medium	Fine	
%	0	0	2	17	80

Location: CAMBODIA
Borehole No. WT-4
Sample No. DB-6
Depth (m): 54.60-55.00
Wt. of Dry Sample 162.00 g

Sieve No.	Sieve Size	Soil Mass Retained (g)	Passing %
3/4"	19 mm	0.00	100.0
3/8"	9.5 mm	3.35	97.9
# 4	4.75 mm	2.32	96.5
#10	2.00 mm	2.29	95.1
#40	425 µm	6.45	91.1
#120	125 µm	31.08	71.9
#200	75 µm	11.55	64.8



	Gravel	Sand			Silt + Clay
		Coarse	Medium	Fine	
%	4	1	4	26	65

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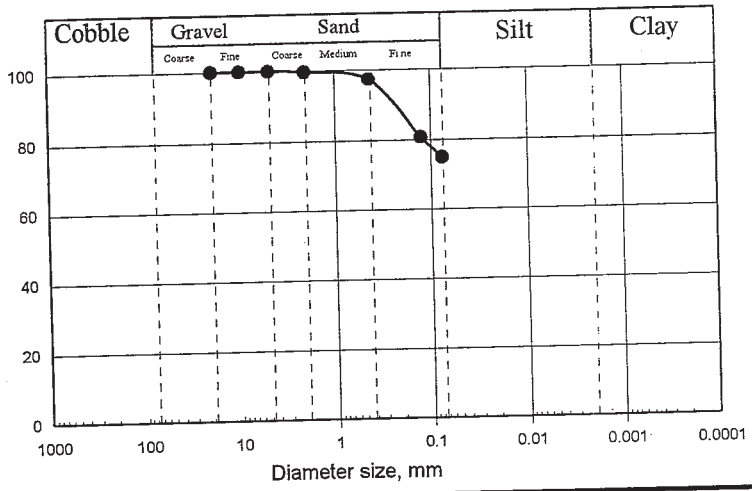
Wet Sieve Analysis

Location: CAMBODIA
Borehole No. WT-4
Sample No. DB-7
Depth (m): 57.10-57.45
Wt. of Dry Sample 153.86 g

Sieve No.	Sieve Size	Soil Mass Retained (g)	Passing %
3/4"	19 mm	0.00	100.0
3/8"	9.5 mm	0.00	100.0
# 4	4.75 mm	0.00	100.0
#10	2.00 mm	0.42	99.7
#40	425 µm	3.68	97.3
#120	125 µm	25.54	80.7
#200	75 µm	9.02	74.9



	Gravel	Sand			Silt + Clay
		Coarse	Medium	Fine	
%	0	0	2	22	75

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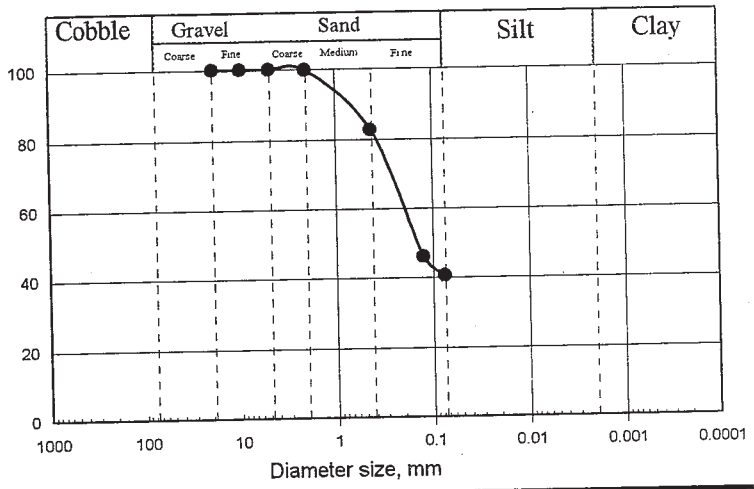
Wet Sieve Analysis

Location: CAMBODIA
Borehole No. WT-6
Sample No. DB-1
Depth (m): 7.20-7.50
Wt. of Dry Sample 167.09 g

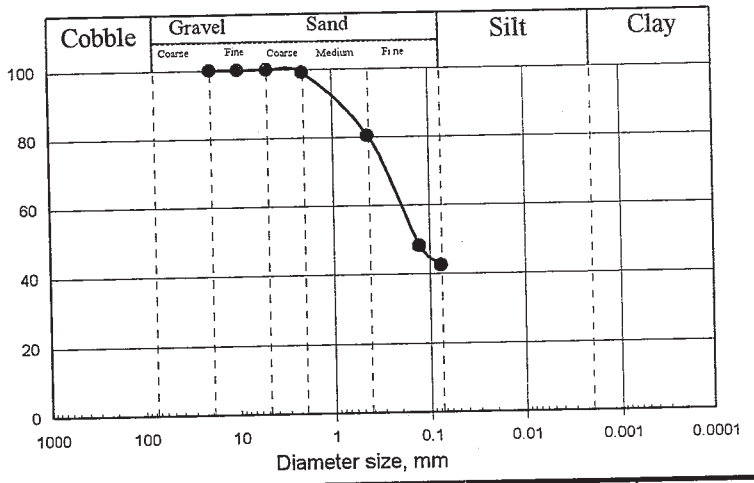
Sieve No.	Sieve Size	Soil Mass Retained (g)	Passing %
3/4"	19 mm	0.00	100.0
3/8"	9.5 mm	0.00	100.0
# 4	4.75 mm	0.00	100.0
#10	2.00 mm	0.31	99.8
#40	425 µm	28.73	82.6
#120	125 µm	61.11	46.0
#200	75 µm	9.00	40.7



	Gravel	Sand			Silt + Clay
		Coarse	Medium	Fine	
%	0	0	17	42	41

Location: CAMBODIA
Borehole No. WT-6
Sample No. DB-2
Depth (m): 16.20-16.60
Wt. of Dry Sample 235.85 g

Sieve No.	Sieve Size	Soil Mass Retained (g)	Passing %
3/4"	19 mm	0.00	100.0
3/8"	9.5 mm	0.00	100.0
# 4	4.75 mm	0.00	100.0
#10	2.00 mm	1.97	99.2
#40	425 µm	44.44	80.3
#120	125 µm	76.02	48.1
#200	75 µm	13.36	42.4



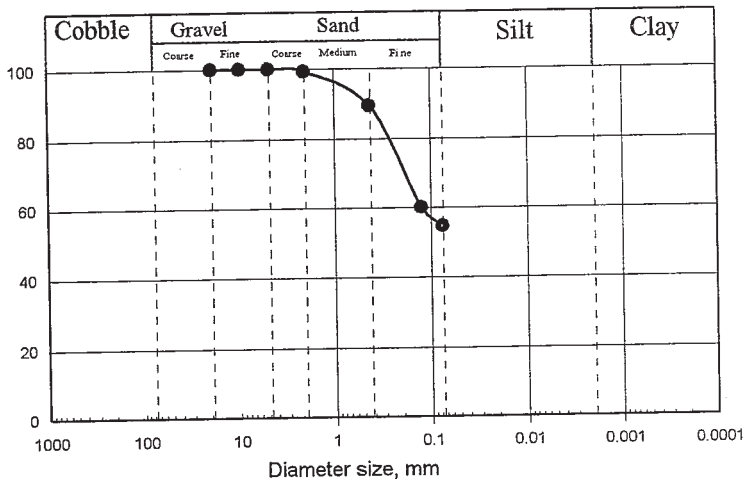
	Gravel	Sand			Silt + Clay
		Coarse	Medium	Fine	
%	0	1	19	38	42

SIAM TONE CO., LTD.

Wet Sieve Analysis

Location: CAMBODIA
Borehole No. WT-6
Sample No. DB-3
Depth (m): 42.60-42.90
Wt. of Dry Sample 205.44 g

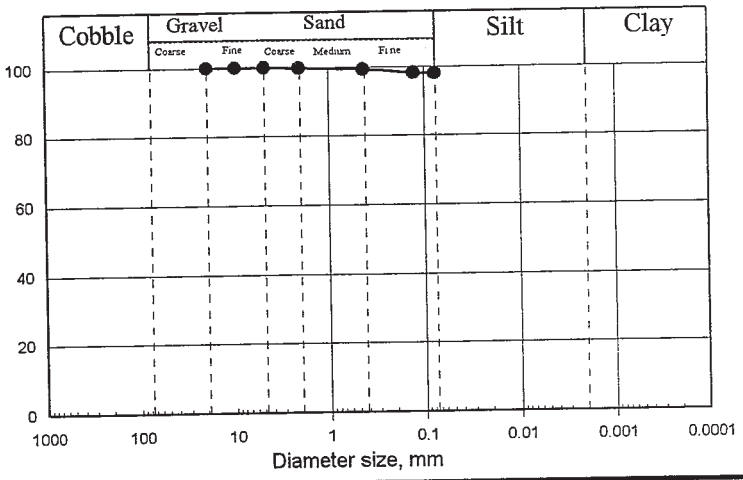
Sieve No.	Sieve Size	Soil Mass Retained (g)	Passing %
3/4"	19 mm	0.00	100.0
3/8"	9.5 mm	0.00	100.0
# 4	4.75 mm	0.00	100.0
#10	2.00 mm	1.33	99.4
#40	425 µm	20.18	89.5
#120	125 µm	60.50	60.1
#200	75 µm	11.13	54.7



	Gravel	Sand			Silt + Clay
		Coarse	Medium	Fine	
%	0	1	10	35	55

Location: CAMBODIA
Borehole No. WT-6
Sample No. DB-4
Depth (m): 56.50-56.80
Wt. of Dry Sample 186.57 g

Sieve No.	Sieve Size	Soil Mass Retained (g)	Passing %
3/4"	19 mm	0.00	100.0
3/8"	9.5 mm	0.00	100.0
# 4	4.75 mm	0.10	99.9
#10	2.00 mm	0.13	99.9
#40	425 µm	1.09	99.3
#120	125 µm	1.88	98.3
#200	75 µm	0.46	98.0



	Gravel	Sand			Silt + Clay
		Coarse	Medium	Fine	
%	0	0	1	1	98