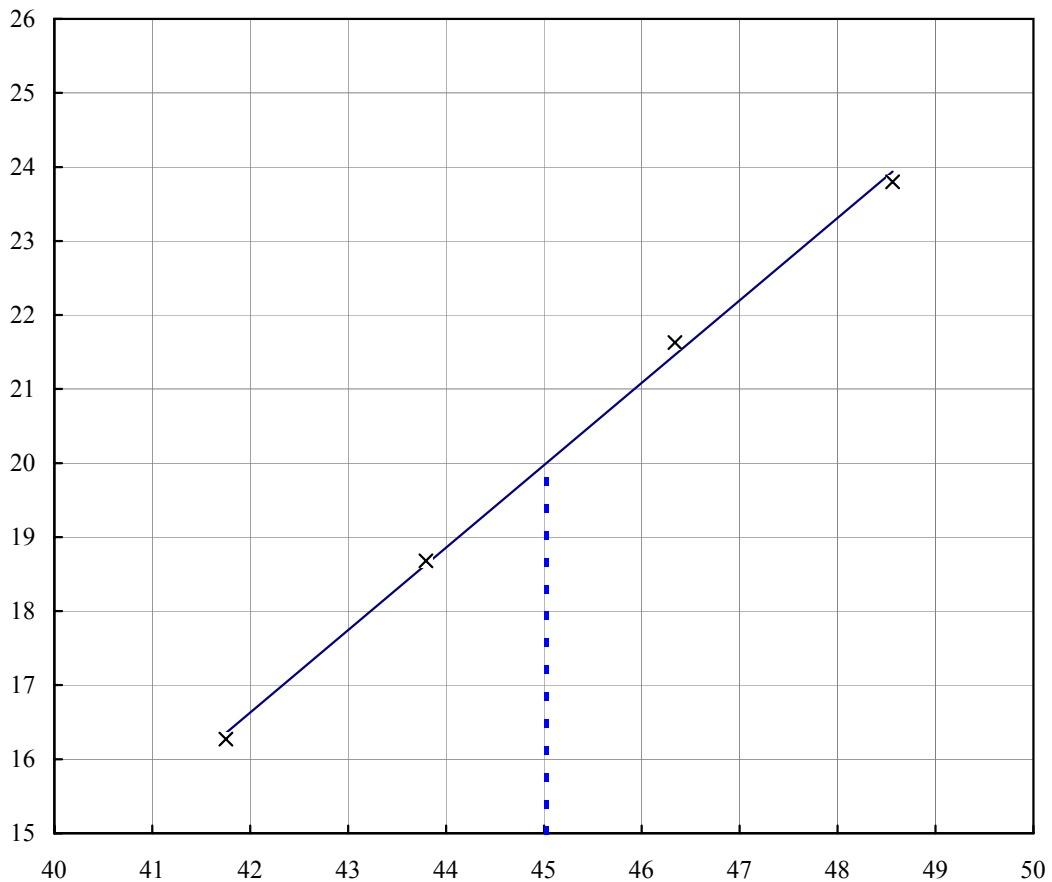




B.S. 1377 PART 2: 1990 SECTION 4 & 5



HISTORY OF SAMPLE : Air dried
 Percentage of Passing 0.425mm B.S.Sieve 75%

	LIQUID LIMIT %				PLASTIC LIMIT %	
Wet Weight + Tare (g)	19.02	20.39	19.02	19.89	18.04	18.06
Dry Weight + Tare (g)	15.78	16.65	15.54	16.01	16.13	16.15
Tare Weight (g)	8.02	8.11	8.03	8.02	8	8.04
Water Content (%)	41.75	43.79	46.34	48.56	23.49	23.55
Penetration (mm)	16.27	18.68	21.63	23.80		

LIQUID LIMIT (%) 45
 PLASTIC LIMIT (%) 24
 PLASTICITY INDEX (%) 21

Sample Type : TW
 Sample Description : Dense, yellowish SAND with gravels GGG

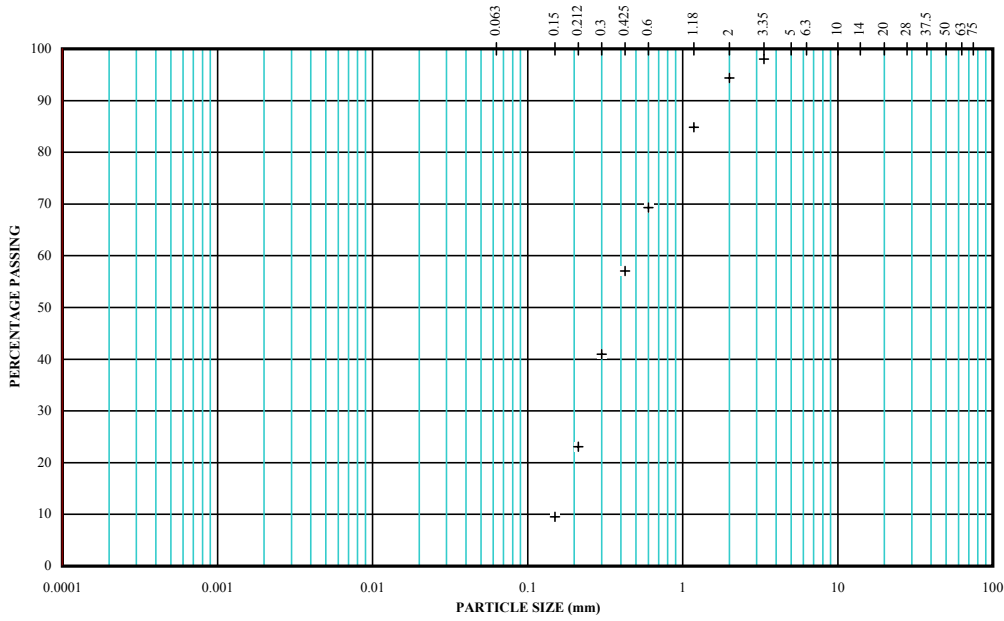
Borehole No: BH1 Sample No: 1(Up) Depth (m) : 3.00-3.20

GEO SOFT Site Ref: S.I. FOR CAMPUS COVE AT WEST COAST ROAD Job No : ECGP1890
 Fig :

Operator : Ranjith Checked : Approved :
 Date : 29.12.04 Date: Date:

The results reported herein have been performed in accordance with the laboratory's terms of accreditation

GRADING CURVE BASED ON B.S 1377 : PART 2 : 1990 SECTION 9



SAMPLE DESCRIPTION

Dense, slightly gravelly very clayey/silty SAND

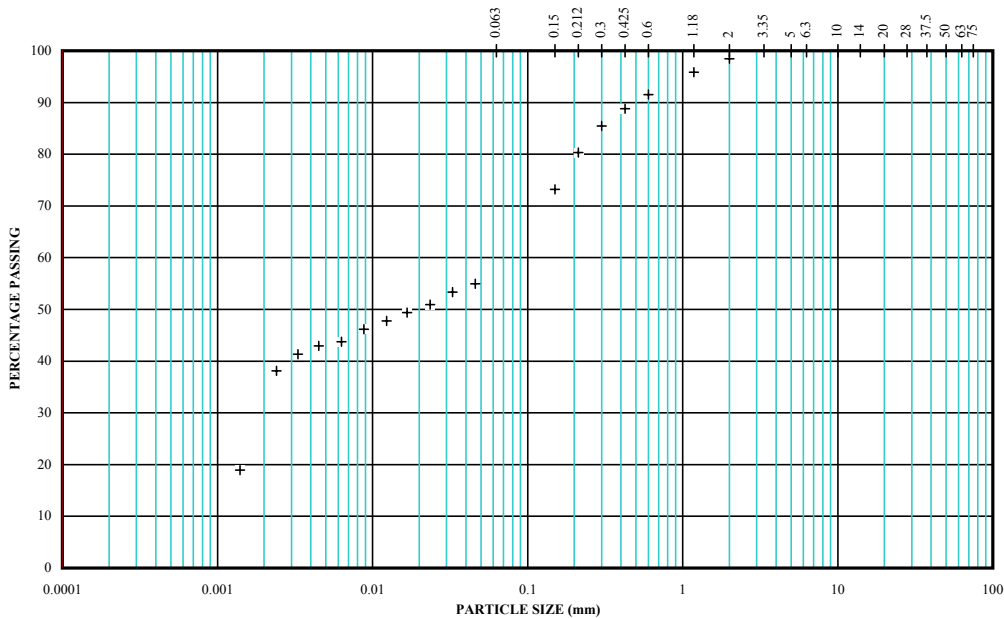
Gravel	=	6	%
Sand	=	102	%
Silt + Clay	=	-8	%

CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	C
	SILT			SAND			GRAVEL			

GEO SOFT	Site Ref: S.I. FOR CAMPUS COVE AT WEST COAST ROAD	Job No: ECGP1890	Sample No: SPT1	Fig:
Operator:	Date:	Checked:	Depth (m): 3.50-3.95	Date:
			Approved:	Date:

The results reported herein have been performed in accordance with the laboratory's terms of accreditation

GRADING CURVE BASED ON B.S 1377 : PART 2 : 1990 SECTION 9



SAMPLE DESCRIPTION

Very soft, yellowish brown sandy SILT/CLAY with peat

Gravel	=	2	%
Sand	=	38	%
Silt	=	25	%
Clay	=	35	%

CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	C
	SILT			SAND			GRAVEL			

GEO SOFT	Site Ref: S.I. FOR CAMPUS COVE AT WEST COAST ROAD	Job No: ECGP1890	Sample No: SPT4	Fig:
Operator: K	Date: 29.12.04	Checked:	Depth (m): 9.00-9.45	Date:
			Approved:	Date:

The results reported herein have been performed in accordance with the laboratory's terms of accreditation



IKRAM Services Sdn. Bhd. (360789 T)
IKRAM SELATAN, 81000 KULAI, JOHOR DARUL TAKZIM.
TEL : 07 - 6622650/1 FAX : 07 - 6622949

Form no. : IS/L/S-3				Title :	SIEVE ANALYSIS OF SOIL	
Location : West Coast Road				Job ref.	ECGP1890	
				Borehole :	BH1	
				Sample :	SPT1	
				Date :		
Soil Description : Dense, slightly gravelly very clayey/silty SAND						
BS TEST SIEVE SIZE	WEIGHT RETAINED (gm)	PERCENTAGE RETAINED (%)	TOTAL PASSING (%)	REMARKS		MAX SIEVE LOAD (gm)
				Corrected Weigth Retained (gm)		
63 mm						
50 mm						
37.5 mm						
28 mm						
20 mm						
14 mm						
10 mm						
6.3 mm						
5 mm						
3.35 mm	1.26	1.95	98.05	1.26		
2 mm	2.39	3.70	94.34	2.39		
1.18 mm	6.12	9.49	84.86	6.12		
600 um	10.05	15.58	69.28	10.05		
425 um	7.89	12.23	57.05	7.89		
300 um	10.38	16.09	40.95	10.38		
212 um	11.52	17.86	23.10	11.52		
150 um	8.75	13.56	9.53	8.75		
63 um	11.26	17.45	-7.92	11.26		
Passing 63 microns						
Total						
Container No.						
Mass Of Container + Dry Soil						
Mass Dry Soil						

The weight in grams are for 200mm and 300mm diameter sieve. These weight may be increase when 47.5mm diameter sieve are used but otherwise of the weight retained exceeds the permitted maximum the results is invalid. In this case smaller sample be used or the sieve a part at time.

Tested By :	Checked By :



GEO SOFT TECHNICAL SUPPORT
MOISTURE CONTENT AND DENSITY TEST
 (B.S. 1377 PART2 : 1990 SECTION 3 & 7)

PROJECT: S.I. FOR CAMPUS COVE AT WEST COAST ROAD	
SOIL DESCRIPTION: Dense, slightly gravelly very clayey/silty SAND	JOB REF: ECGP1890
	BORE HOLE : BH1
	SAMPLE NO.: SPT1
	DEPTH (m): 3.50-3.95

MOISTURE CONTENT

Container (Cup) Number	S1	S2	S3	Average
Wt.of cup + wet soil (m2) gm	41.00	38.00	40.00	
Wt.of cup + dry soil (m3) gm	36.00	33.00	35.00	
Wt. of cup (m1) gm	13.12	13.28	13.09	
Wt. of moisture (m2 - m3) gm	5.00	5.00	5.00	
Wt. of dry soil (m3 - m1) gm	22.88	19.72	21.91	
Moisture Content = $\frac{(m2 - m3) \times 100\%}{(m3 - m1)}$	21.85	25.35	22.82	23.34


DENSITY

Wt of Wet Soil (1) gm	
Volume of Soil (2) (cm ³)	
Bulk Density = $\frac{(1)}{(2)}$ Mg / m ³	
Dry Density = $\frac{(1)/(2) \times 100}{M.C. + 100}$ Mg / m ³	

Tested by:	Checked by:	Approved by:
Date:	Date:	Date:

The results reported herein have been performed in accordance with the laboratory's terms of accreditation

SUMMARY OF LABORATORY TEST RESULTS

 Geosoft Technical Support Sub-Contractor Lab :-	PROJECT: S.I. FOR CAMPUS COVE AT WEST COAST RD	Form : IS/L/S-13	Job No. ECGP1890
		Issue No. : Rev.No. : Page No. : 1 Of 3	Date Completed

TEST METHOD : BS 1377 : Part 2 / Part 3 / Part 4 / Part 6 / Part 7 / Part 8 / Part 9 : 1990

BH No.	Sample No.	Depth m	B.S.C.S	A.A.S.H.O	GRAVEL %	SAND %	SILT %	CLAY %	M.C %	LL %	PL %	PI %	LS %	S.G (mg/m ³)	SOIL STRENGTH TEST			BULK DENSITY Mg/m ³	CHEMICAL TEST					
															1 - DIMENSIONAL CONSOLIDATION		UU TRIAXIAL COMPRESSION		OM %	Cl %	So ³ %	pH		
															VOID RATIO	Pc kN/m ²	Cc	kN/m ² C	Angle φ					
BH1	TW1(Up)	3.00 - 3.20								45	24	21												
BH1	SPT1	3.50 - 3.95			6	102	-8		23															
BH1	TW2	7.00 - 7.40								38	19	19												
BH1	SPT4	9.00 - 9.45			2	38	25																	
BH2	TW1	3.00 - 3.50								30	16	14												
BH2	TW2	7.00 - 7.50								58	24	34												
BH2	TW3	11.00 - 11.50								56	22	34												
BH2	SPT6	13.00 - 13.45			2	18	48																	
BH2	SPT8	17.00 - 17.45			10	34	24																	
BH3	TW1(Lr)	3.20 - 3.70												2.59										
BH3	TW1(Lr)	3.20 - 3.70										18	89											
BH3	SPT2	5.00 - 5.45								24	12	12												
BH3	SPT4	9.00 - 9.45			3	36	22																	
BH3	TW4	15.00 - 15.40								67	27	40												
BH3	TW5	19.00 - 19.40								64	28	36												
BH4	TW1(Up)	3.00 - 3.20								50	27	23												
BH4	SPT2	4.50 - 4.95			37	52	11																	
BH4	TW2	6.00 - 6.40			1	74	10																	
BH4	SPT4	7.50 - 7.95								33	16	17												
BH4	TW3	9.00 - 9.60								33	18	15	94	2.62										
BH4	TW4	12.00 - 12.60								59	30	29												
BH4	SPT10	17.00 - 17.45								32	16	16												
BH5	TW1(Up)	3.00 - 3.40								41	19	22												
BH5	TW2	6.00 - 6.60			6	70	9																	
BH5	SPT4	7.50 - 7.95			5	73	12																	
BH5	TW3	9.00 - 9.40								42	19	23												
BH5	TW4	12.00 - 12.50								53	18	35												
BH5	TW5	15.00 - 15.60								50	19	31												
BH6	TW1(Lr)	3.15 - 3.50			3	25	34			48	20	28												
BH6	SPT2	4.50 - 4.95			13	65	22																	

TESTED AND PREPARED BY :-	CHECKED AND VERIFIED BY :-