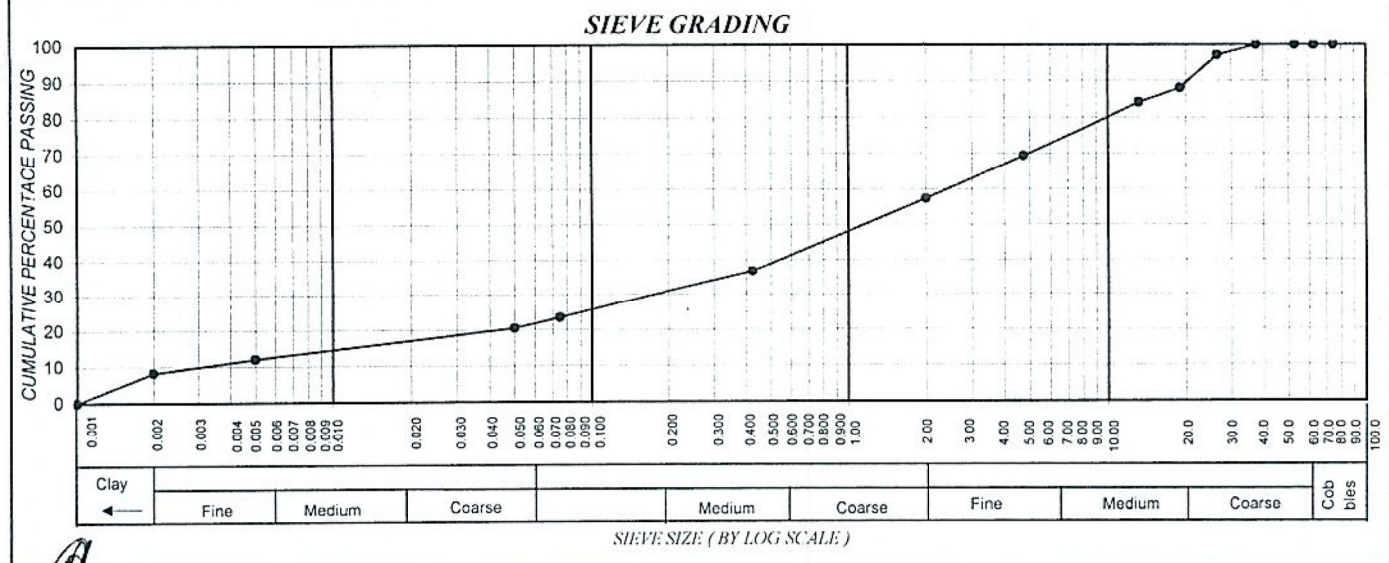


FOUNDATION INDICATOR (TMH 1 : A1, A2, A3, A4, A5 & A6)

CLIENT : INTRACONSULT	DATE REPORTED : 30-Nov-05
PO BOX 604	YOUR REF. : IRENE EXT. 70
FOURWAYS	OUR REF. : HP/B 181-31
2055	SAMPLE No. : 34394
Attention BRAIN	SAMPLE DESCRIPTION : Test Position: 336 - Chert res. 1.500

Material description		CLAYEY SAND WITH GRAVEL	
Sieve analysis Cumulative percentage passing (mm)	75.0	100	
	63.0	100	
	53.0	100	
	37.5	100	
	26.5	97	
	19.0	88	
	13.2	84	
	4.75	69	
	2.000	57	
	0.425	37	
	0.075	24	
	0.050	21	
Soil Mortar Analysis % < 2.00mm	2.000 - 0.425	35.8	
	0.425 - 0.250	9.0	
	0.250 - 0.150	6.4	
	0.150 - 0.075	7.7	
	< 0.075	41.1	
Effective size		0.003	
Uniformity Coefficient		800.0	
Curvature Coefficient		5.0	
Oversize Index		0.0	
Shrinkage Product		147.3	
Grading Coefficient		27.5	
Grading modulus		1.82	
Atter- berg Limits	Liquid Limit	25	
	Plasticity Index	8	
	Linear Shrinkage	4	
Unified Soil Classification		SC	
U.S. Highway Classification		A-2-4(0)	
pH - Value		—	
Conductivity mS/cm		—	



Remarks : The sample were subjected to analysis according to test method A8 of TMH1 1979
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For Civilab

Investment Facility Company 842 (Pty) Limited trading as Civilab. Registration No: 98/19071/07
BRANCHES: CENTURION • JOHANNESBURG • PIETERMARITZBURG • PINETOWN • RUSTENBURG • VRYHEID

FOUNDATION INDICATOR (TMH 1 : A1, A2, A3, A4, A5 & A6)

CLIENT : INTRACONSULT
PO BOX 604
FOURWAYS
2055

DATE REPORTED : 30-Nov-05

YOUR REF. : IRENE EXT. 70

OUR REF. : HP/B 181-31

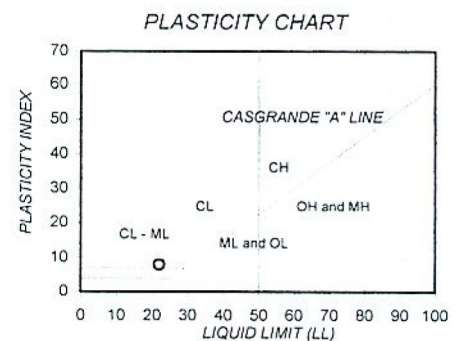
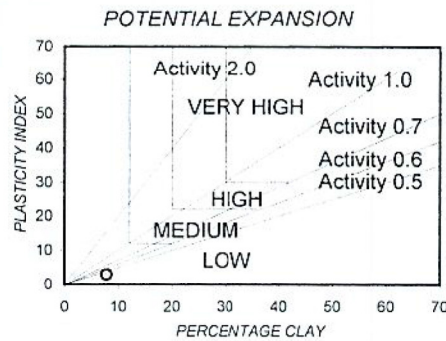
SAMPLE No. : 34395

SAMPLE DESCRIPTION : Test Position: 337 - Pebble marker
0.500

Attention BRAIN

Material description CLAYEY SAND WITH GRAVEL

Sieve analysis Cumulative percentage passing (mm)	75.0	100
	63.0	100
	53.0	100
	37.5	100
	26.5	99
	19.0	96
	13.2	91
	4.75	64
	2.000	49
	0.425	37
Soil Mortar Analysis % < 2.00mm	0.075	26
	0.050	22
	0.005	10
	0.002	8

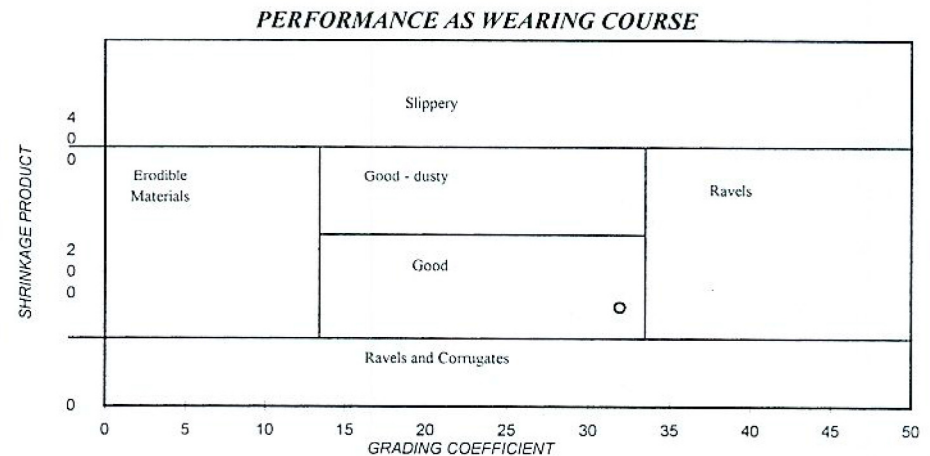


Soil Mortar Analysis % < 2.00mm	2.000 - 0.425	24.2
	0.425 - 0.250	6.1
	0.250 - 0.150	7.6
	0.150 - 0.075	9.1
	< 0.075	53.0

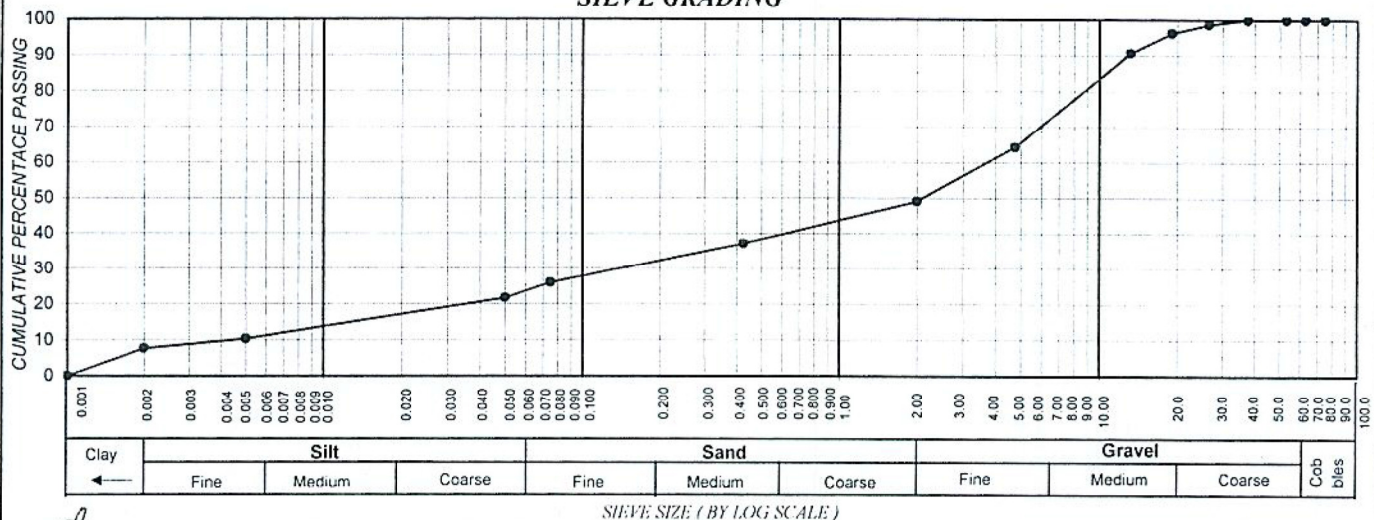
Effective size	0.004
Uniformity Coefficient	925.0
Curvature Coefficient	1.5
Oversize Index	0.0
Shrinkage Product	149.0
Grading Coefficient	31.9
Grading modulus	1.87

Atter- berg Limits	Liquid Limit	22
	Plasticity Index	8
	Linear Shrinkage	4

Unified Soil Classification	SC
U.S. Highway Classification	A-2-4(0)
pH - Value	-
Conductivity mS/cm	-



SIEVE GRADING



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FOUNDATION INDICATOR (TMH 1 : A1, A2, A3, A4, A5 & A6)

CLIENT : INTRACONSULT
PO BOX 604
FOURWAYS
2055

DATE REPORTED : 30-Nov-05

YOUR REF. : IRENE EXT. 70

OUR REF. : HP/B 181-31

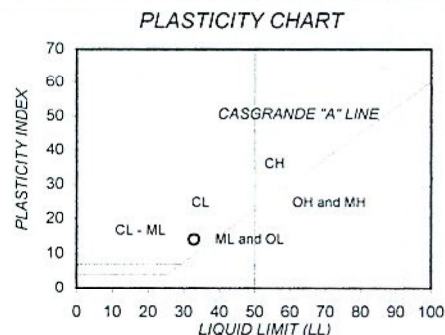
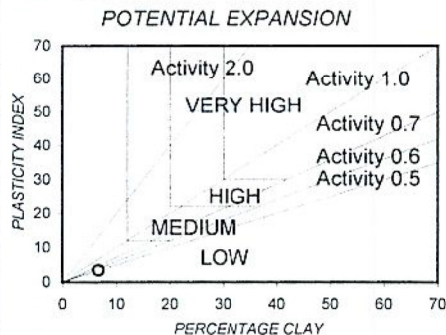
SAMPLE No. : 34396

SAMPLE DESCRIPTION : Test Position: 338 - Colluvium
1.400

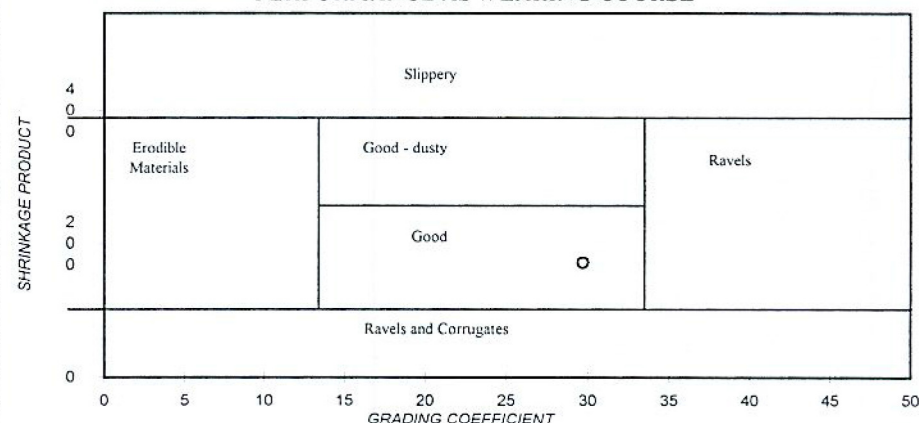
Attention BRAIN

Material description CLAYEY SAND WITH GRAVEL

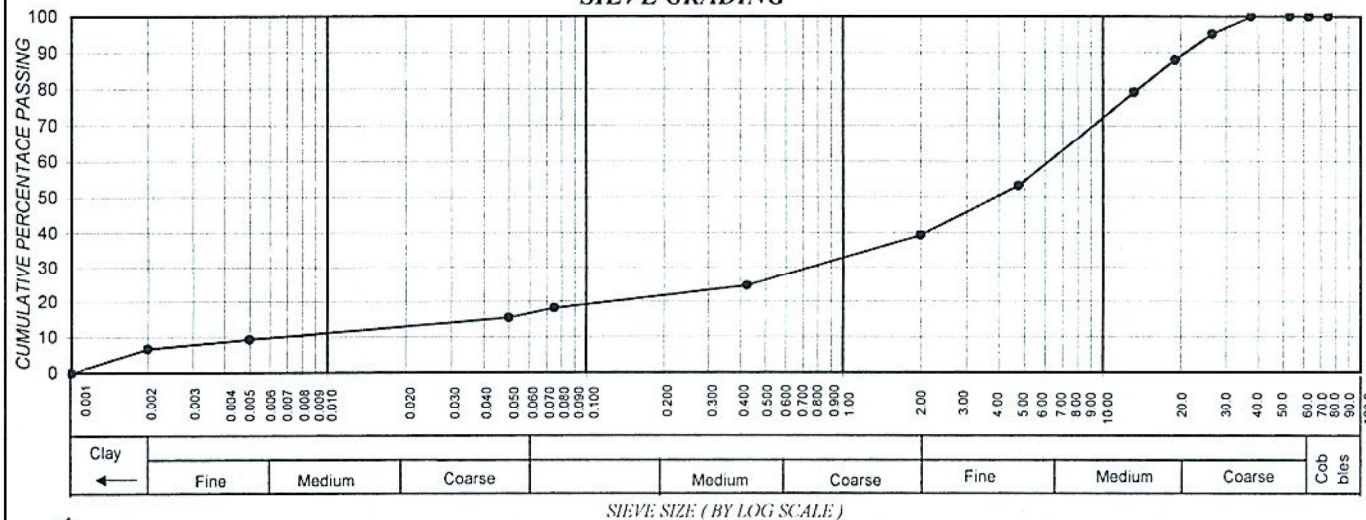
Sieve analysis Cumulative percentage passing (mm)	75.0	100
	63.0	100
	53.0	100
	37.5	100
	26.5	95
	19.0	88
	13.2	79
	4.75	53
	2.000	39
	0.425	25
	0.075	18
Soil Mortar Analysis % < 2.00mm	0.050	15
	0.005	9
	0.002	7
	< 0.075	46.2
Effective size		0.006
Uniformity Coefficient		1000.0
Curvature Coefficient		1480.3
Oversize Index		0.0
Shrinkage Product		172.0
Grading Coefficient		29.7
Grading modulus		2.18
Atter- berg Limits	Liquid Limit	33
	Plasticity Index	14
	Linear Shrinkage	7
Unified Soil Classification		SC
U.S. Highway Classification		A-2-6(0)
pH - Value		-
Conductivity mS/cm		-



PERFORMANCE AS WEARING COURSE



SIEVE GRADING



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FOUNDATION INDICATOR (TMH 1 : A1, A2, A3, A4, A5 & A6)

CLIENT : INTRACONSULT
PO BOX 604
FOURWAYS
2055

DATE REPORTED : 30-Nov-05

YOUR REF. : IRENE EXT. 70

OUR REF. : HP/B 181-31

SAMPLE No. : 34393

SAMPLE DESCRIPTION : Test Position: 334 - Hillwash
0.600

Attention BRAIN

Material description

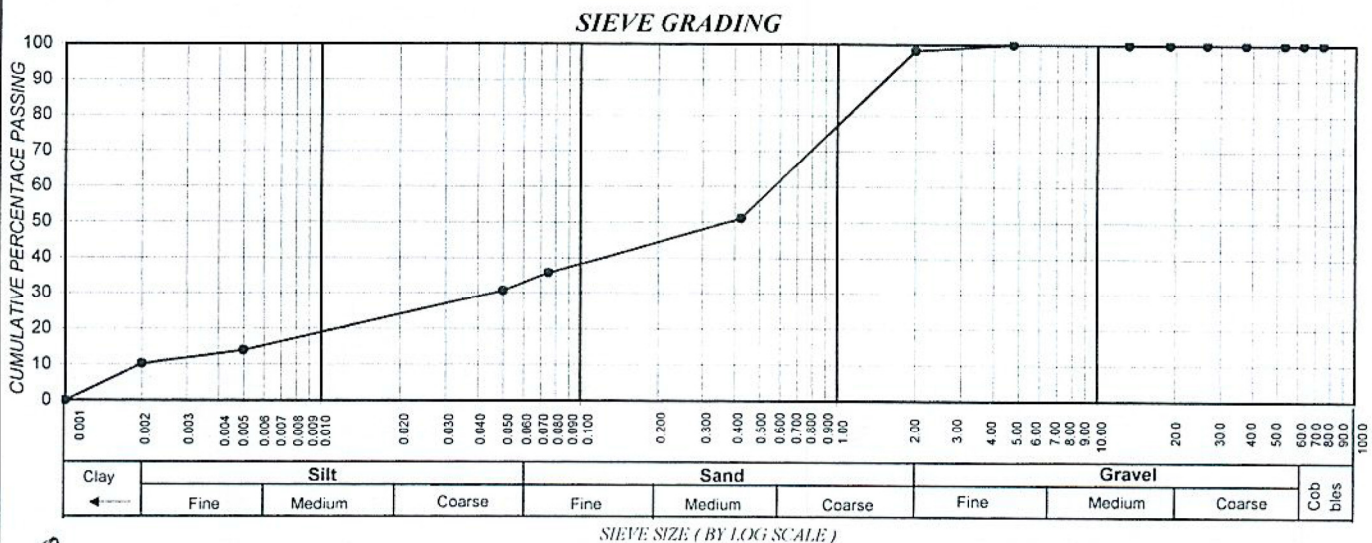
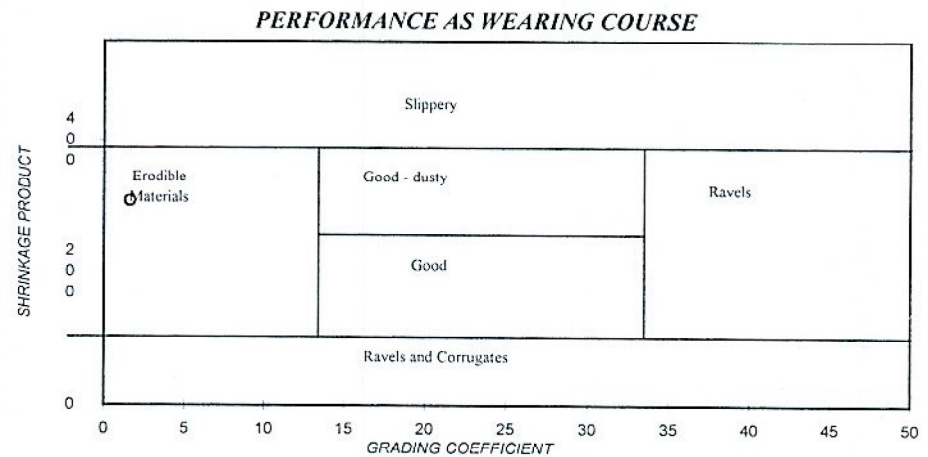
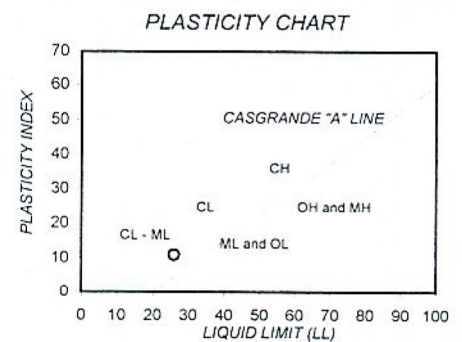
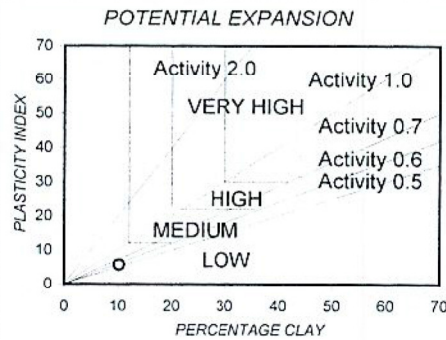
Sieve analysis Cumulative percentage passing (mm)		CLAYEY SAND
75.0		100
63.0		100
53.0		100
37.5		100
26.5		100
19.0		100
13.2		100
4.75		100
2.000		98
0.425		51
0.075		36
0.050		31
0.005		14
0.002		10

Soil Mortar Analysis % < 2.00mm		
2.000 - 0.425		48.0
0.425 - 0.250		5.2
0.250 - 0.150		5.2
0.150 - 0.075		5.2
< 0.075		36.4

Effective size	0.002
Uniformity Coefficient	280.0
Curvature Coefficient	1.9
Oversize Index	0.0
Shrinkage Product	307.0
Grading Coefficient	1.6
Grading modulus	1.15

Atter- berg Limits		
Liquid Limit		26
Plasticity Index		11
Linear Shrinkage		6

Unified Soil Classification	SC
U.S. Highway Classification	A-6(0)
pH - Value	-
Conductivity mS/cm	-



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