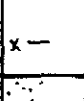
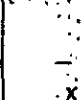


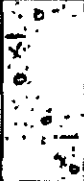
REPORT No 99/4169/KJC

Sampling Code: U - Undisturbed D - Large disturbed J - Jar W - Water U* - Non recovery of U Sample

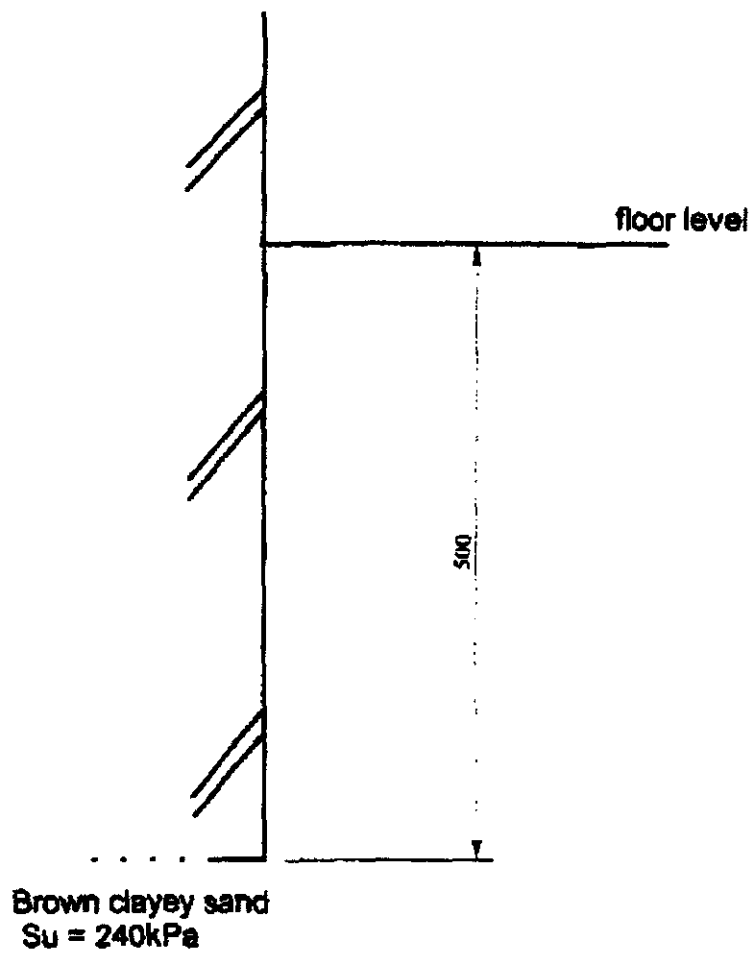
ALBURY S.I LTD					Window Sampler No 1	
Contract Highgate West Hill					Report No 99/4169/KJC	
Client Promite Ltd					Date 29/6/99	
Site Address Witanhurst, Highgate West Hill, Highgate N6					Ground Level mOD	
Water Strikes none m Water level after completion none m Dimensions 80mm diameter						
Remarks						
Sample type	Depth,m	Cohesion kPa	Depth,m	Legend		
J	0.30		0.40		Made ground (topsoil/subsoil)	
J	1.00	65	1.20		Made ground (brown sandy clay with brick fragments, root hairs)	
J	2.00	75	2.10		Made ground (grey/brown sandy clay with gravel, brick particles and root hairs)	
J	2.50	80			Stiff orange/grey very sandy clay	
J	3.50	75	3.50		Orange-brown/grey very clayey sand	
J	4.50	60	5.00			

ALBURY S.I LTD				Window Sampler No 4	
Contract Highgate West Hill				Report No 99/4169/KJC	
Client Promite Ltd				Date 29/6/99	
Site Address Witanhurst, Highgate West Hill, Highgate N6				Ground Level mOD	
Water Strikes none m		Water level after completion none m			
Dimensions 80mm diameter					
Remarks					
Sample type	Depth,m	Cohesion kPa	Depth,m	Legend	
			0.10		Made ground (topsoil/subsoil)
J	0.50				Made ground (grey/brown clayey sand with ash, brick fragments and gravel)
J	1.00		1.00		
					Made ground (brown very sandy clay; becoming grey very sandy clay)
J	1.80	75	1.70		Stiff orange-brown/grey very sandy clay with roots in upper levels
					
			2.50		
J	3.00	65			Pale brown/grey very sandy clay
					
			3.50		
J	4.00	75	4.00		Pale brown/grey clayey sand
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					

ALBURY S.I LTD				Window Sampler No 5	
Contract Highgate West Hill				Report No 99/4169/KJC	
Client Promite Ltd				Date 30/6/99	
Site Address Witanhurst, Highgate West Hill, Highgate N6				Ground Level mOD	
Water Strikes none m		Water level after completion none m			
		Dimensions 80mm diameter			
Remarks					
Sample type	Depth,m	Cohesion kPa	Depth,m	Legend	
J	1.00	130	0.10		Made ground (topsoil/subsoil)
			1.00		Made ground (grey very sandy clay with gravel, ash and brick)
			1.50		Made ground (brown sand with gravel)
J	2.00	115			Stiff orange-brown/grey very silty clay
					
					
J	3.00	115	3.00		Brown/grey clayey sand
					
					
J	4.00	105			
					
					
		95	5.00		

ALBURY S.I LTD				Window Sampler No 6		
Contract Highgate West Hill				Report No 99/4169/KIC		
Client Promite Ltd				Date 30/6/99		
Site Address Witanhurst, Highgate West Hill, Highgate N6				Ground Level mOD		
Water Strikes none m		Water level after completion none m				
		Dimensions 80mm diameter				
Remarks						
Sample type	Depth, m	Cohesion kPa	Depth, m	Legend		
			0.10		Made ground (topsoil/subsoil) Made ground (grey clayey sand with gravel, brick and ash)	
J	1.00		0.90		Made ground (brown clayey sand with gravel)	
J	2.00		2.00		Brown clayey sand with gravel	
J	3.00		3.00		Orange-brown/buff sand	
J	4.00		4.00			

APPENDIX II
FOUNDATION DETAILS



TRIALPIT No 1

All dimensions are in millimetres

ALBURY S.I. LTD

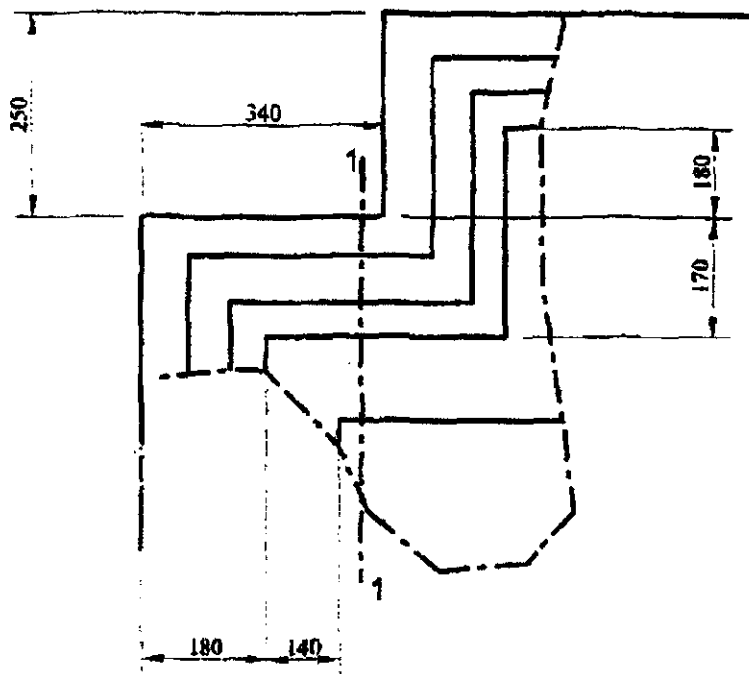
HIGHGATE WEST HILL, HIGHGATE

Scale

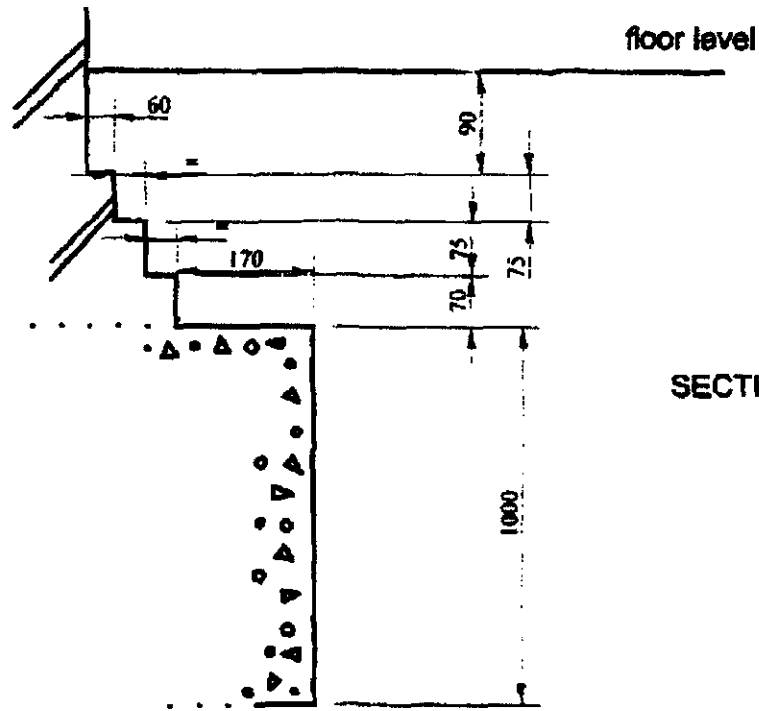
As shown

Dep No

99/4169/1



PLAN



SECTION 1-1

Brown clayey sand $S_u = 145 \text{ kPa}$

TRIALPIT No 2

All dimensions are in millimetres

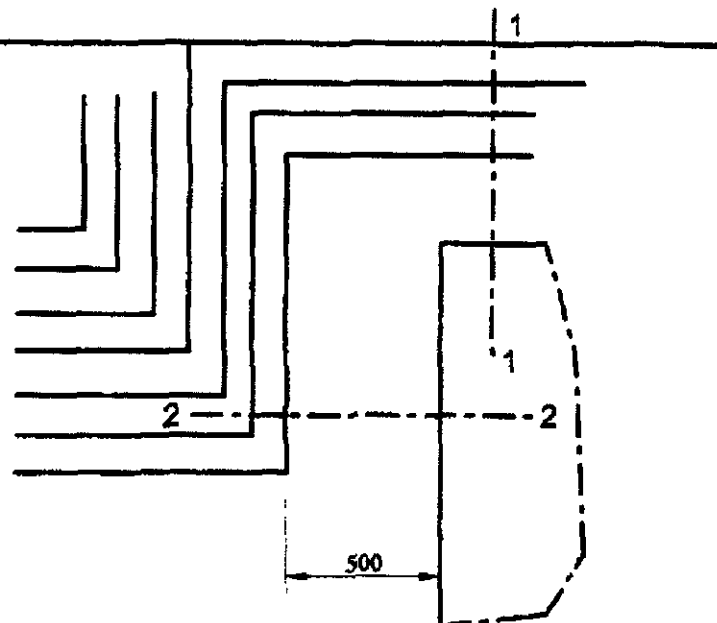
ALBURY S.I. LTD

HIGHGATE WEST HILL, HIGHGATE

Scale
As shown

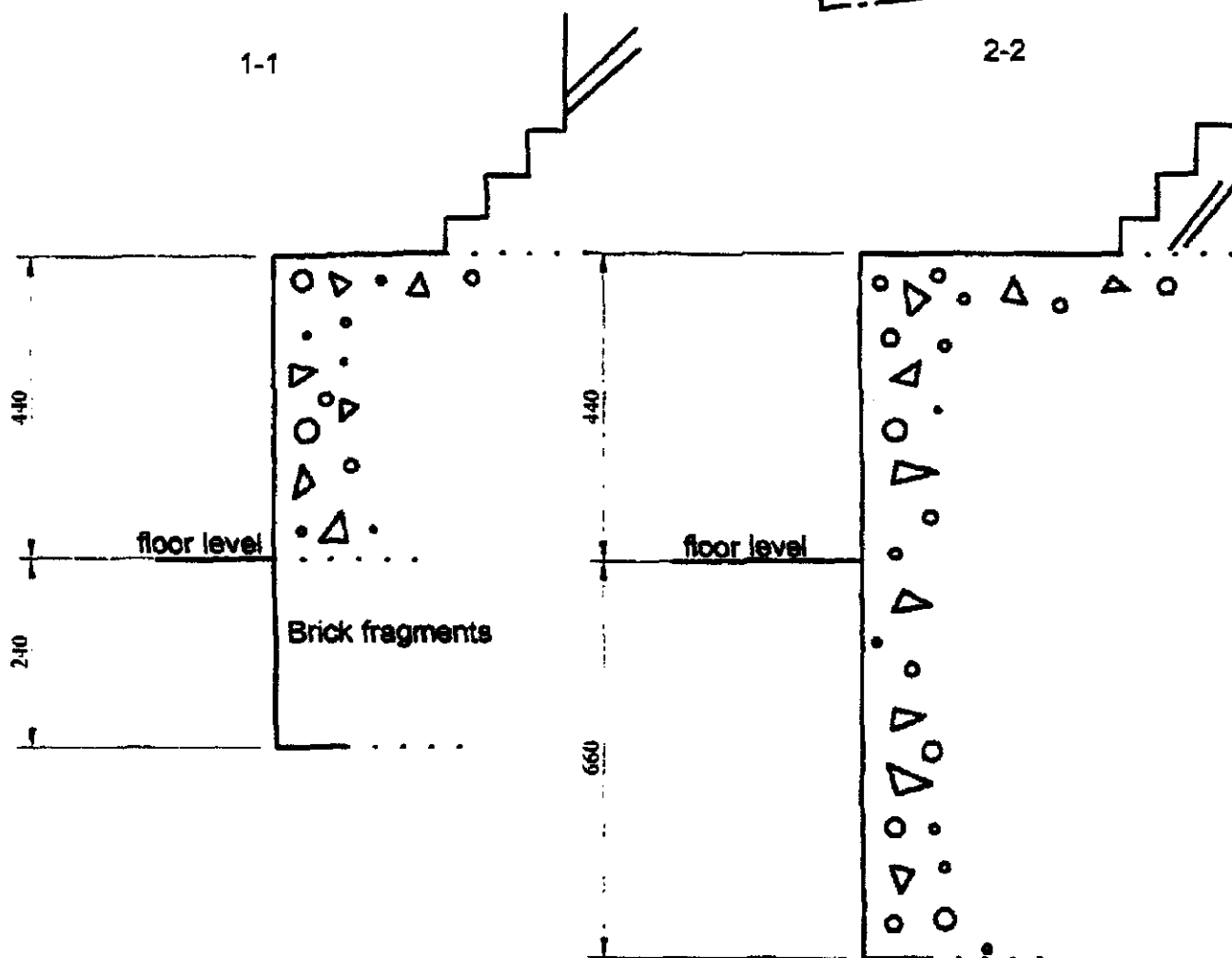
Proj No
99/4169/2

PLAN



1-1

2-2



Brown clayey sand $S_u = 260\text{kPa}$

All dimensions are in millimetres TRIALPIT No 3

ALBURY S.I. LTD

HIGHGATE WEST HILL, HIGHGATE

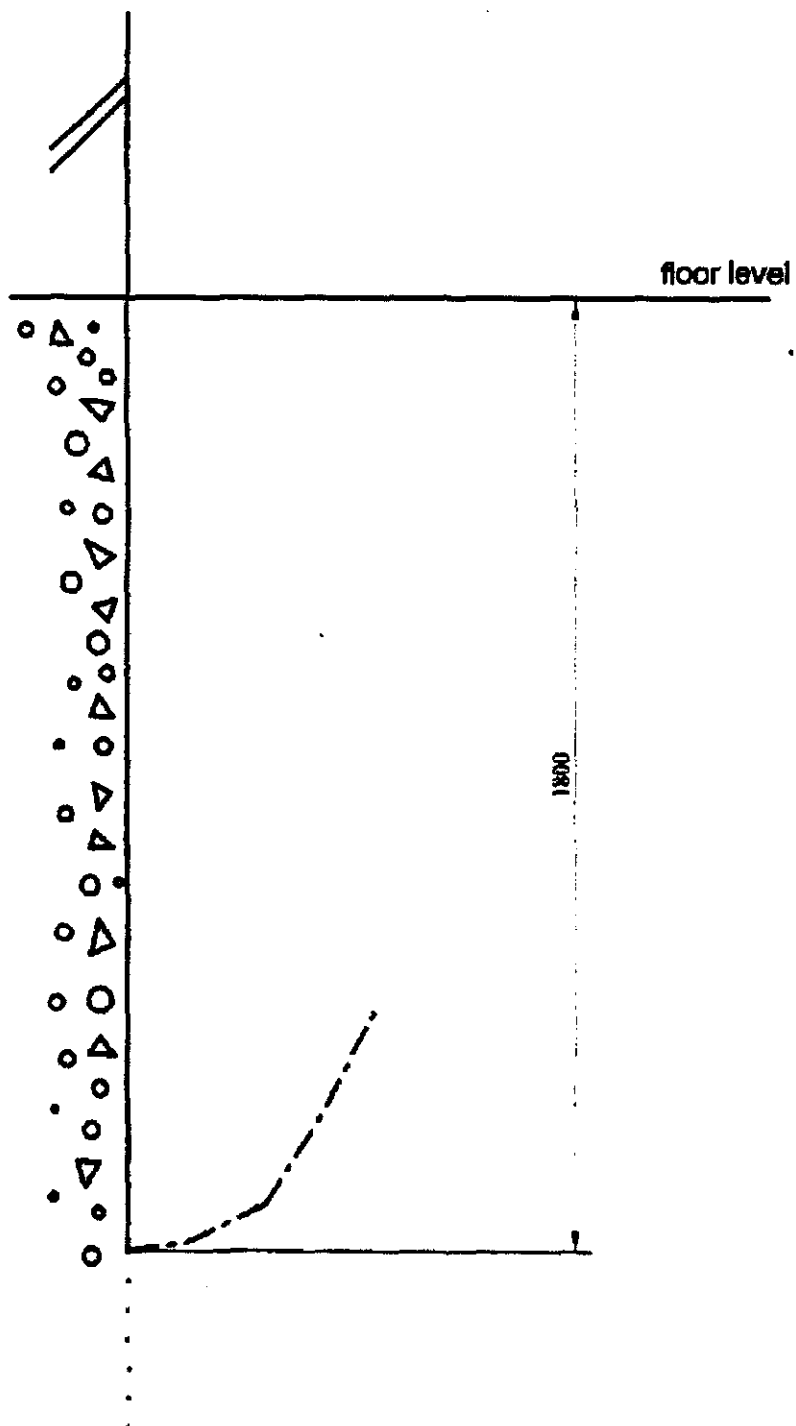
Scale

As shown

Draw No

99/4169/3

TRIALPIT No 4



All dimensions are in millimetres

ALBURY S.I. LTD

HIGHGATE WEST HILL, HIGHGATE

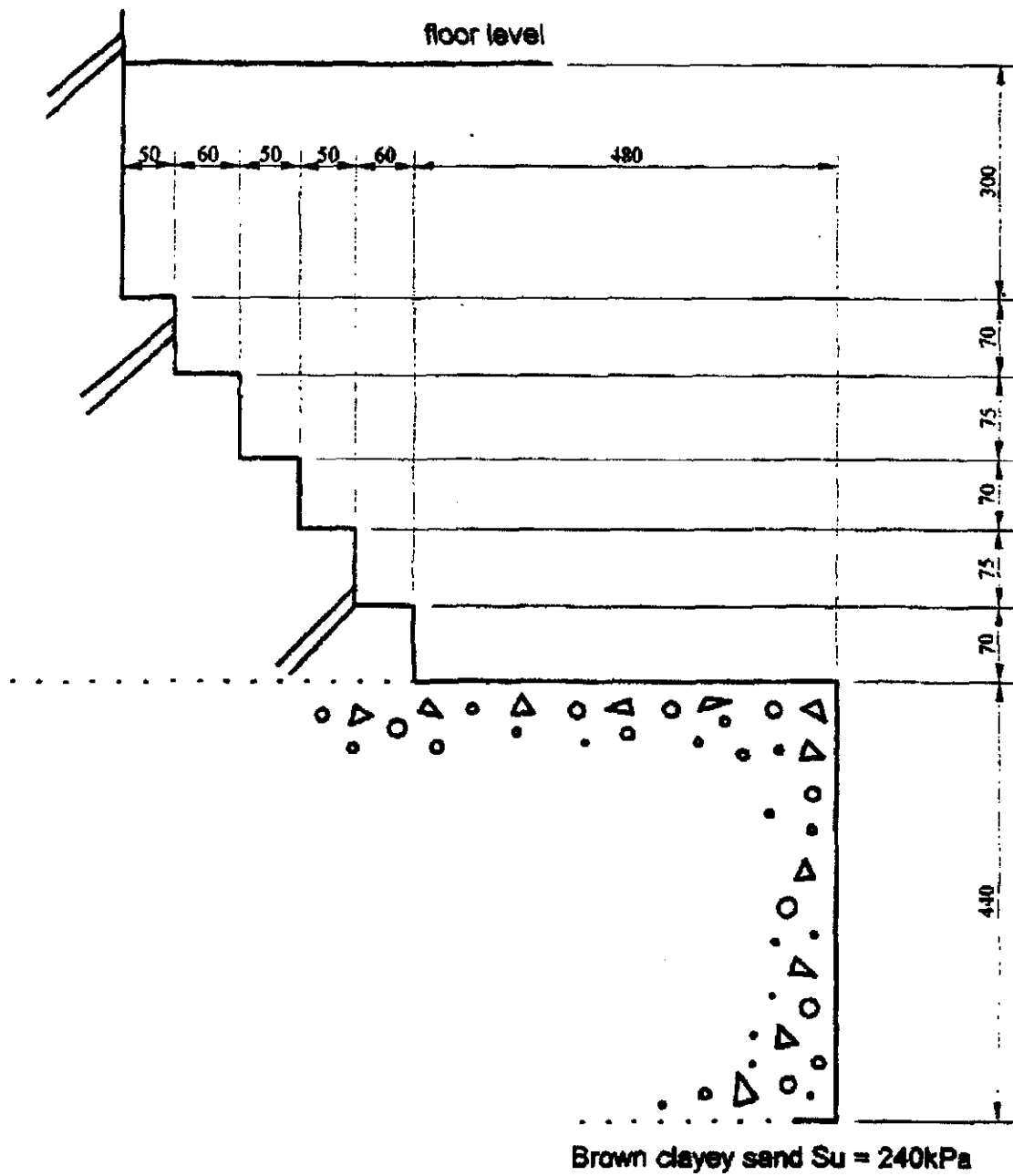
Scale

As shown

Org No

99/4169/4

TRIALPIT No 5



All dimensions are in millimetres

ALBURY S.I. LTD

HIGHGATE WEST HILL, HIGHGATE

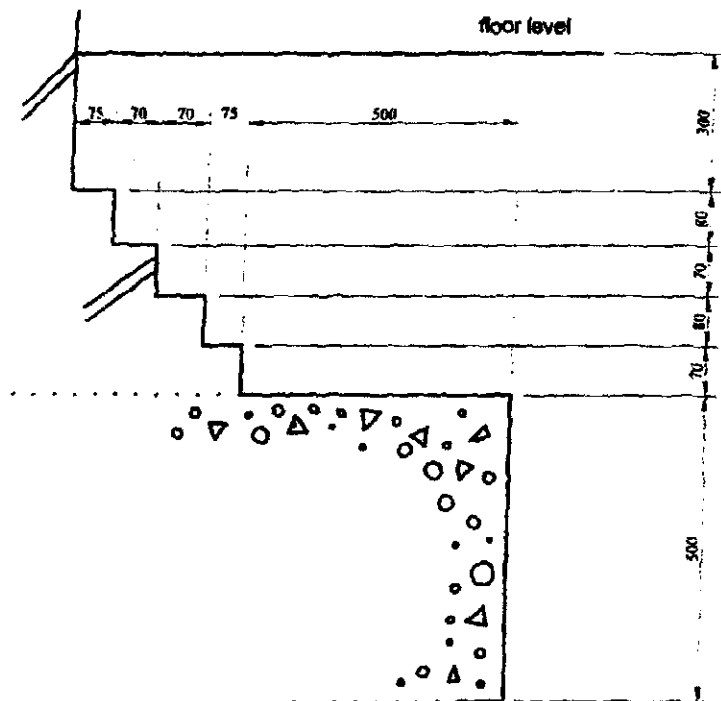
Scale

As shown

Dwg No

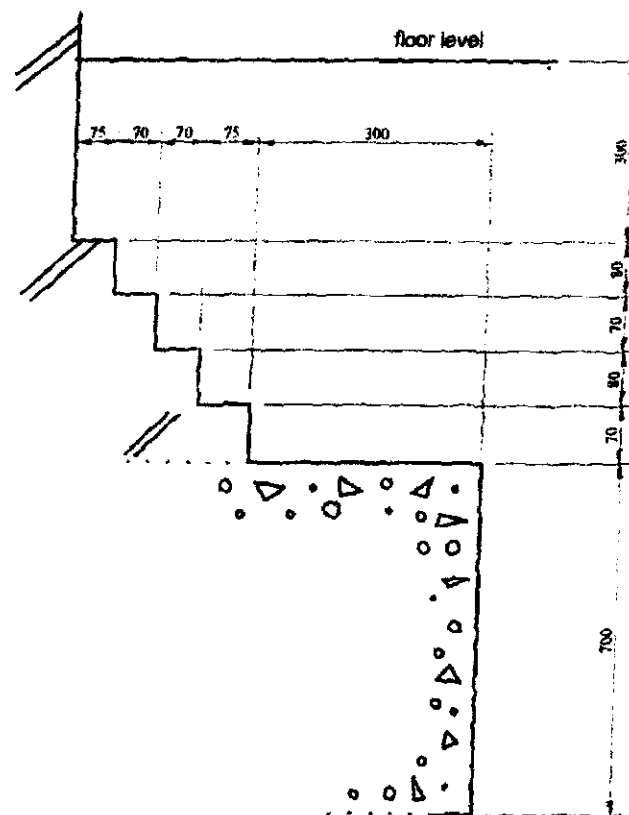
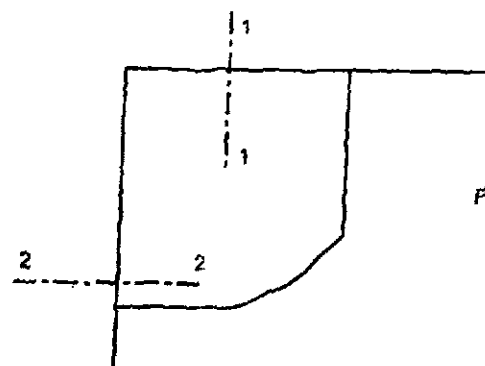
99/4169/5

PLAN



1-1

All dimensions are in millimetres



2-2

Brown clayey sand $S_u = 150\text{kPa}$

ALBURY S.I. LTD

Customer

HIGHGATE WEST HILL, HIGHGATE

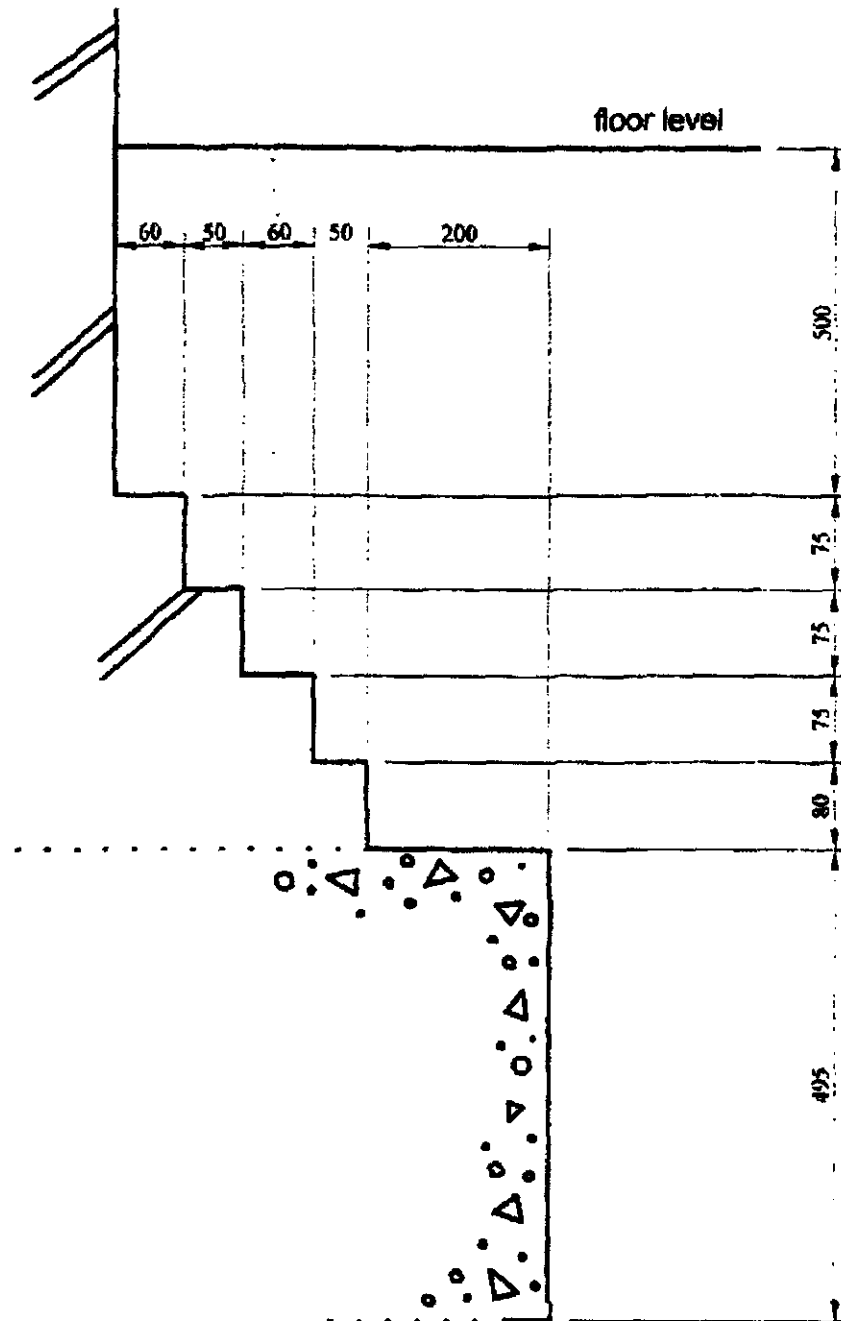
Scale

As shown

Org No

99/4169/6

TRIALPIT No 7



Brown clayey sand $S_u = 130\text{kPa}$

All dimensions are in millimetres

ALBURY S.I. LTD

HIGHGATE WEST HILL, HIGHGATE

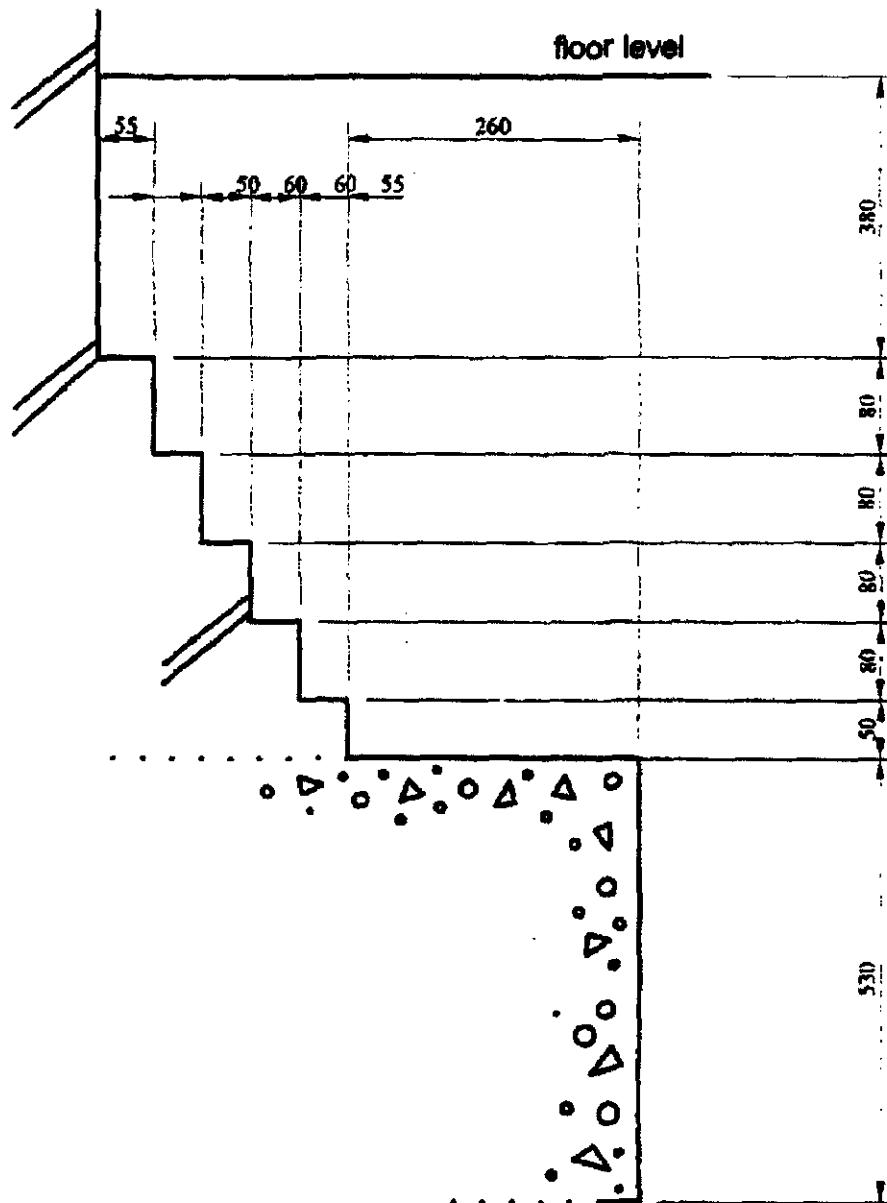
Scale

As shown

Drawn by

99/4169/7

TRIALPIT No 8



Brown clayey sand $S_u = 150\text{kPa}$

All dimensions are in millimetres

ALBURY S.I. LTD

HIGHGATE WEST HILL, HIGHGATE

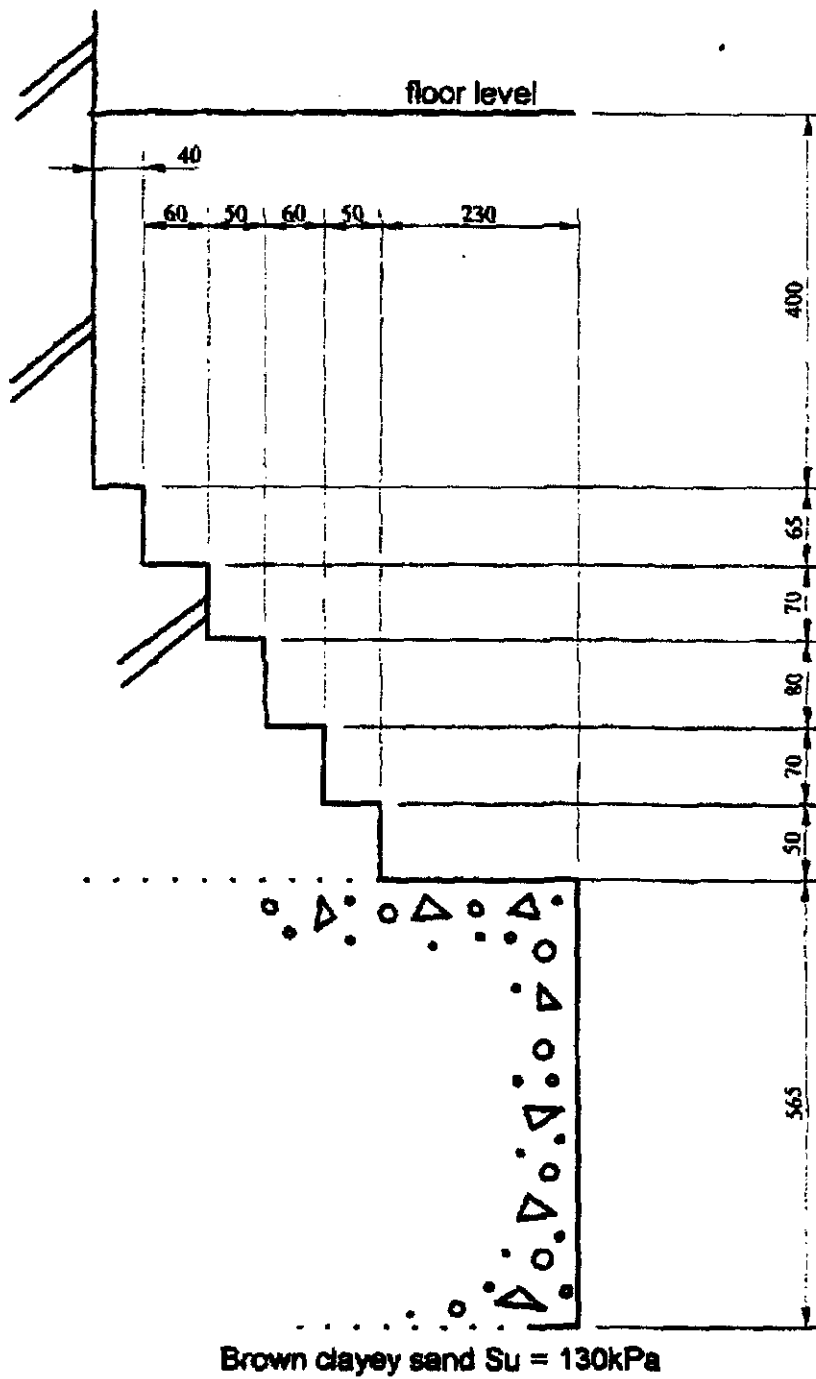
Scale

As shown

Qty No

99/4169/8

TRIALPIT No 9



All dimensions are in millimetres

ALBURY S.I. LTD

HIGHGATE WEST HILL, HIGHGATE

Scale

As shown

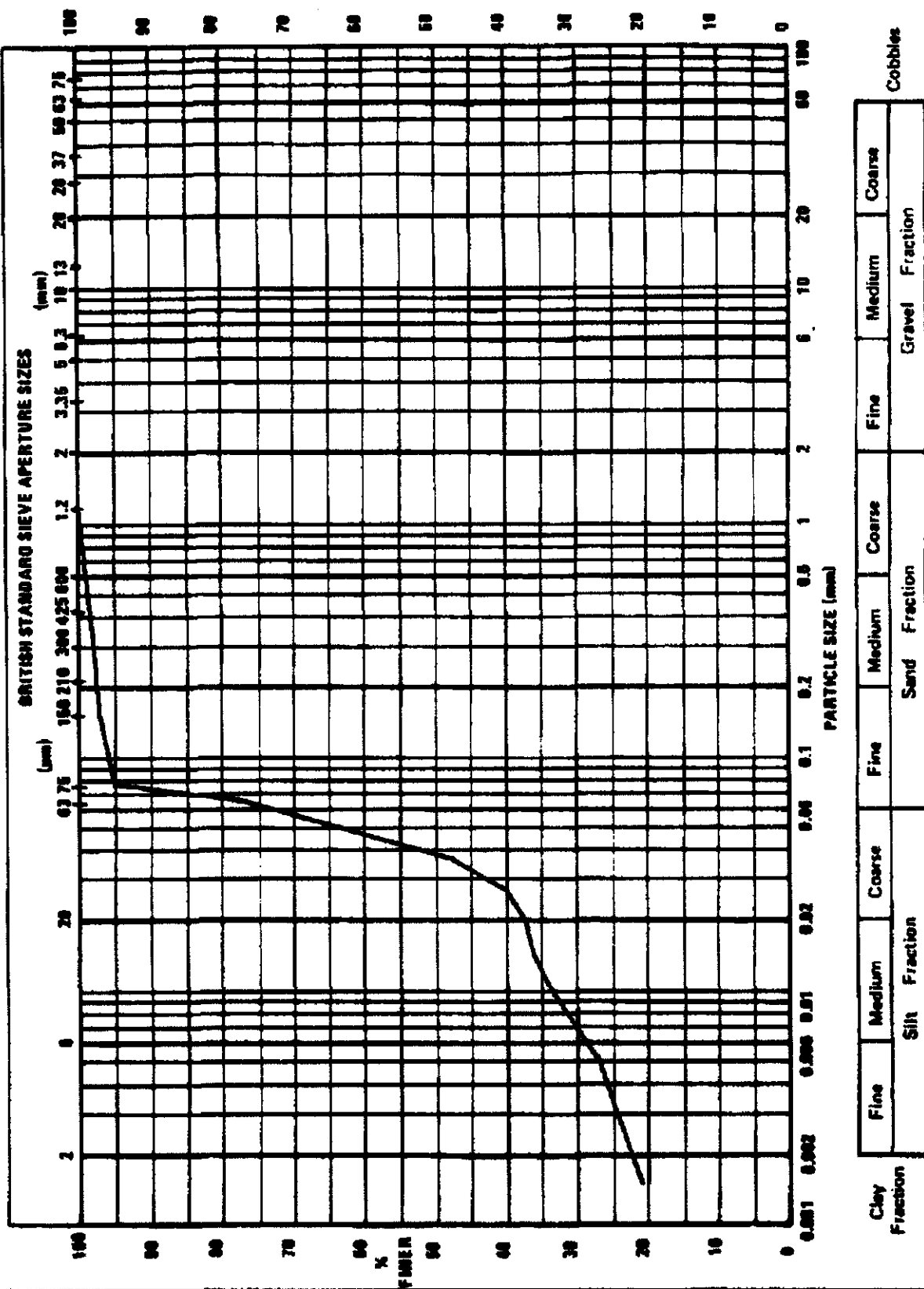
Dig No

99/4169/9

PARTICLE SIZE DISTRIBUTION - GRADING CURVE

Contract
Report No

Highgate West Hill
99/4169/KJC



Borehole No

1

Sample No

Depth of Sample, m

2.00-2.50

Visual Description

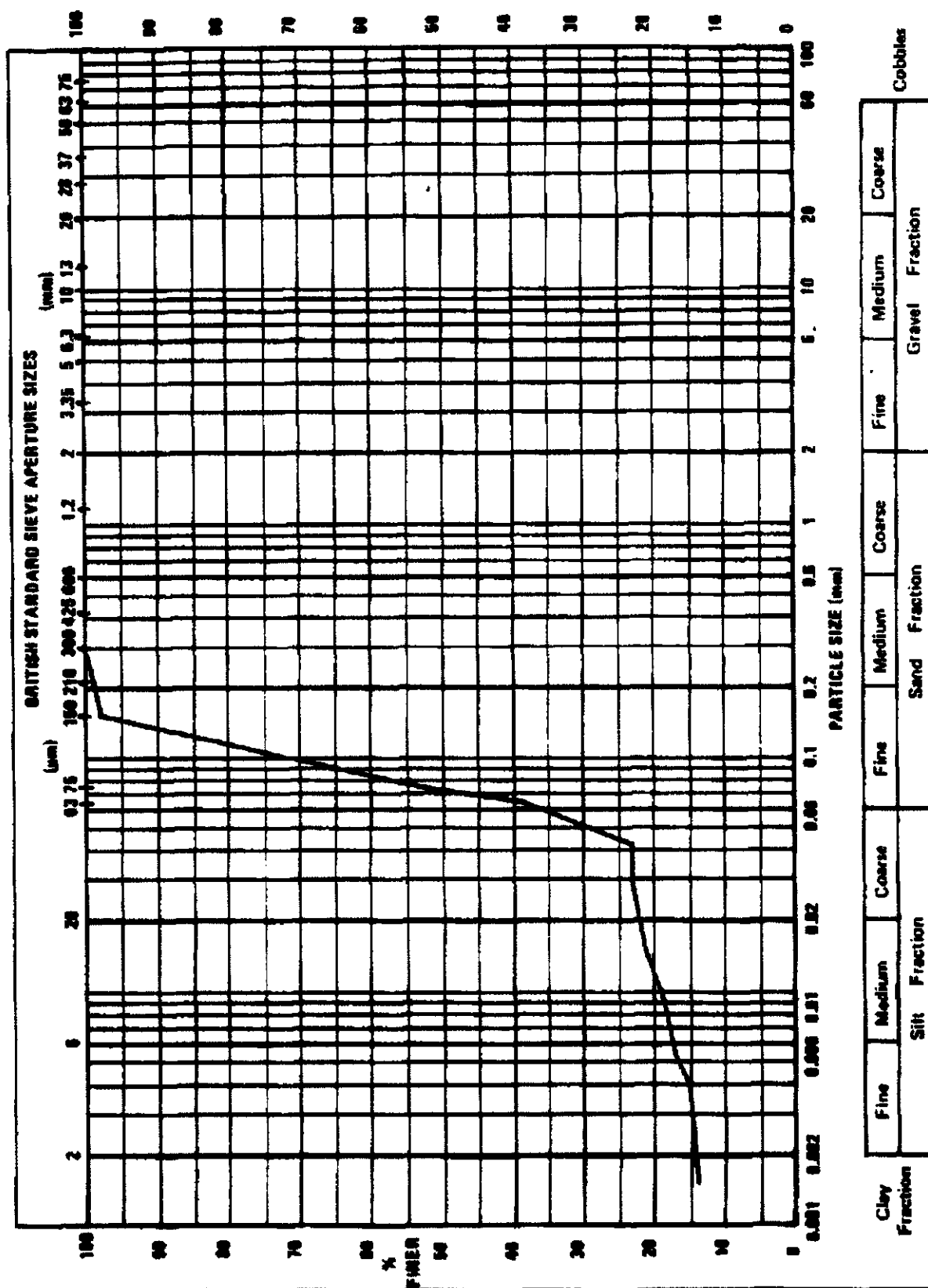
Orange-brown very silty clay

ALBURY S.I. LTD

PARTICLE SIZE DISTRIBUTION - GRADING CURVE

Contract
Report No

Highgate West Hill
99/4169/KJC



Borehole No

1

Sample No

Depth of Sample, m

6.00-6.50

Visual Description Brown clayey sand

ALBURY S.I. LTD

ALBURY S.I. LTD

Sheet no 1 of 1

TEST RESULTS SHEET

Contract: Highgate West Hill, Highgate

Report No: 99/4169/KJC

Borehole no	Depth of Sample m	Description of Sample	INDEX PROPERTIES				TRIAxIAL COMPRESSION						
			Liquid Limit %	Plastic Limit %	Plasticity Index %	Soil Classification	Code	Lateral Pressure kPa	Compression Strength kPa	Cohesion kPa	Angle of Friction (degrees)	Bulk Density kg/m ³	Water Content (% dry wt)
I	1.80	Orange-brown very silty clay	50	21	29	CI/CH							21.2
	2.00-2.50*	Orange-brown very silty clay	39	21	18	CI	38U	150 300 450	155 210 245	100	0	2005 1995 1985	23.9 23.4 23.3
	3.00-3.50	Orange-brown very silty clay	42	20	22	CI							22.5
	4.00-4.50	Orange-brown very silty clay					38U	150 300 450	320 335 295	160	0	2020 2005 1970	17.3 19.2 17.9
WS 1	2.50	Orange-brown/gray very sandy clay	48	19	29	CI							25.5
WS 2	2.00	Orange-brown/grey very sandy clay	42	20	22	CI							19.9
WS 3	2.00	Orange-brown/grey very sandy clay	45	19	26	CI							23.7
WS 4	1.80	Orange-brown/grey very sandy clay	45	19	26	CI							23.2
WS 5	2.00	Orange-brown/grey very sandy clay	49	20	29	CI							22.4
WS 6	2.00	Brown clayey sand with gravel	29	17	12	CL							14.2

TRIAxIAL COMPRESSION TEST CODE:

U-Undrained

CD-Consolidated

38-38mm dia specimen

CU-Consolidated Undrained

100-100mm dia specimen

F-Fore water pressure measurement

M-Multistage

F-Functional

R-Remoulded

LV-Laboratory Vane Test

REMARKS

* clay fraction = 23 %

RESULTS OF CHEMICAL ANALYSES
Determinations of Sulphate content and pH value

Contract: Highgate West Hill, Highgate

Report No: 99/4169/KJC

Borehole no	Depth of sample, m	Sample type	Concentrations of sulphates expressed as SO ₄			pH value
			In soil		In ground-water g/l	
			Total SO ₄ (%)	2:1 water:soil extract g/l		
1	1.00-1.50	Made ground		<0.2		7.5
	3.00-3.50	Clay		<0.2		7.3
	6.00-6.50	Sand		<0.2		7.2
WS 1	1.00	Made ground		<0.2		7.3
WS 3	0.40	Made ground		<0.2		7.2
WS 4	0.50	Made ground		<0.2		6.6
WS 6	1.00	Made ground		<0.2		6.6