

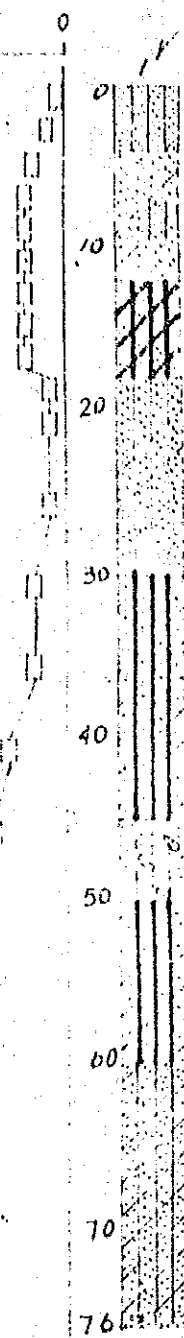
D.H. 1

D.H. 1

No of hammer blows/ft.

110 80 40 0

El. 72'



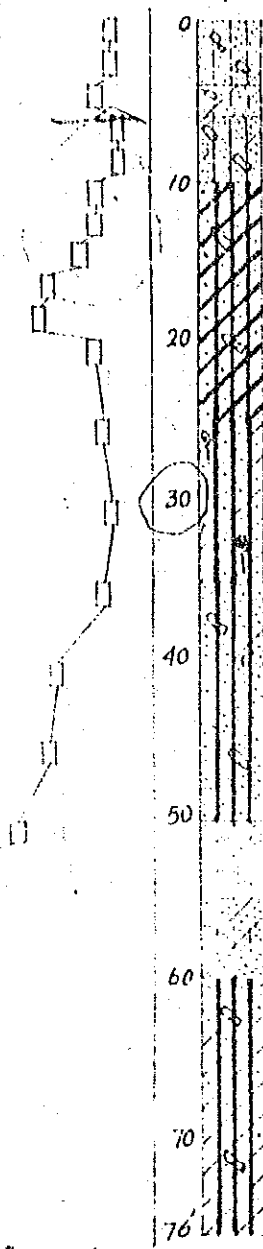
gray silty and clayey SAND
 Reddish brown SAND some silt trace clay
 Reddish gray SILT and CLAY trace SAND
 Bluish gray silty SAND trace Clay.
 Bluish gray sandy and clayey SILT.
 Brown SAND some silt some clay some gravel.
 yellowish brown sandy and clayey silt.
 Bluish gray silty and clayey SAND.
 Brownish gray SAND some silt trace clay trace gravel.

D.H. 4

No of hammer blows/ft.

80 60 40 20 0

El. 75'



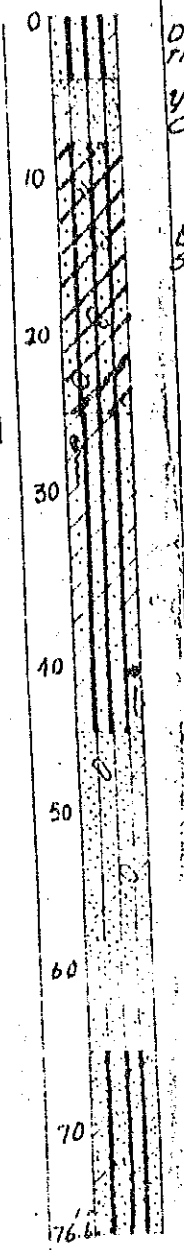
Reddish brown silty and clayey SAND some gravel.
 Brown SAND some silt trace clay trace gravel.
 Yellowish brown silty SAND some clay trace gravel.
 Reddish gray SILT and CLAY some sand trace gravel.
 Bluish gray clayey SILT trace SAND with decomposed wood
 Bluish gray SAND and SILT trace clay trace gravel.
 Gray silty SAND trace clay.
 Brown SAND trace silt trace clay.
 Bluish gray clayey SILT some sand trace gravel.

No of hammer blows/ft.

80 60 40 20 0

D.H. 5

El. 83'



Dark gray sandy and clayey trace gravel.
 Yellowish brown silty SAND trace clay.
 Brownish gray SILT and CLAY trace gravel.
 Bluish gray clayey SILT with decomposed wood
 Yellowish brown silty SAND trace clay trace gravel.
 Brown SAND some silt
 Bluish gray SAND and clay.

LEGEND FOR SAMPLING.

THIN-WALL SHELBY SAMPLER DRIVEN WITH 350 LB. HAMMER DROP 18"

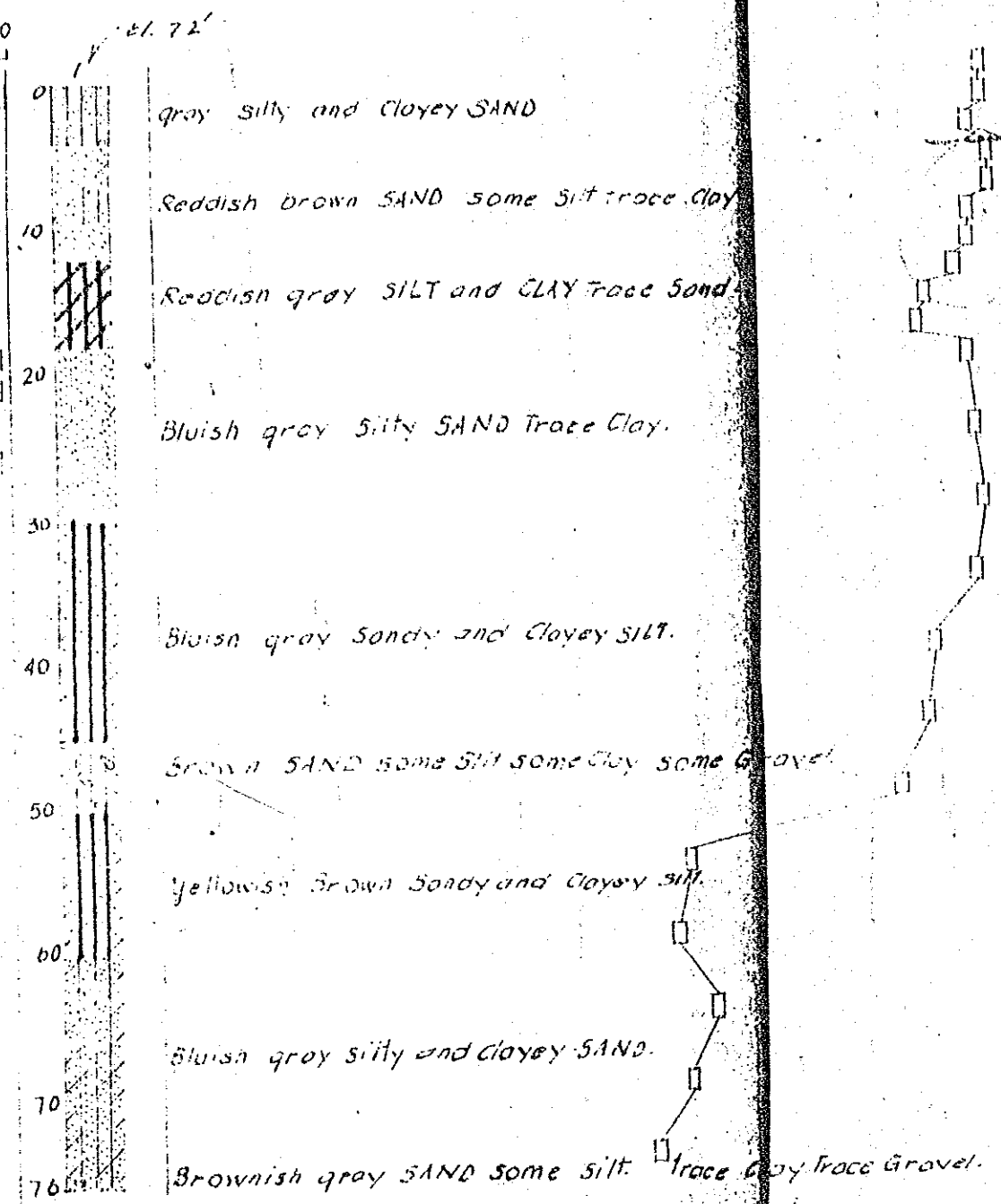
CROSS SECTION I-I

图 2-1 土壤形成图

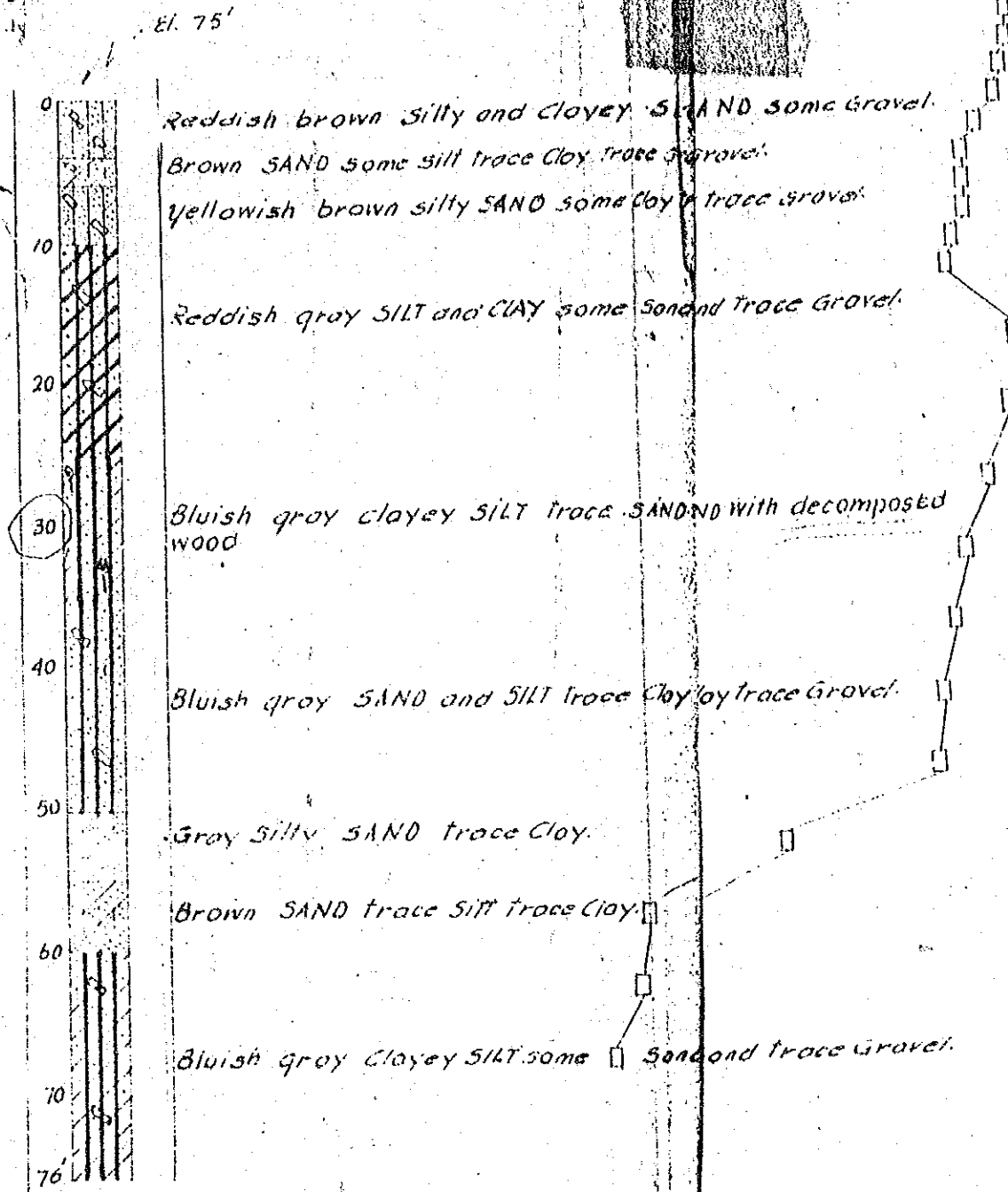
MEDICAL RESEARCH INSTITUTE

PROFILE OF DRILL HOLES
RESEARCH AND TEST LAB
PUBLIC WORKS CORPORATION

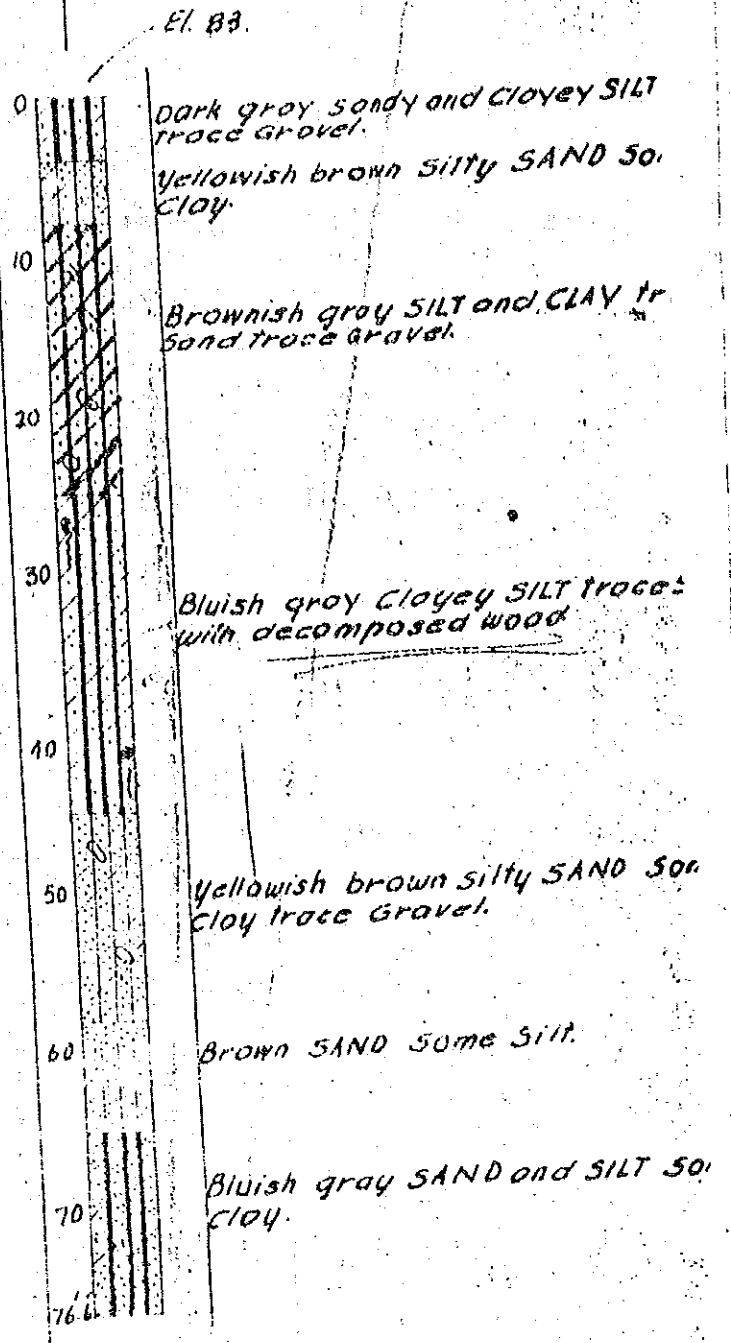
D.H. 1
D.H. 1



D.H. 4



D.H. 5



LEGEND FOR SAMPLING

THIN-WALL SHELBY SAMPLER DRIVEN WITH 350 LB HAMMER DROP 18"

CROSS SECTION I-I

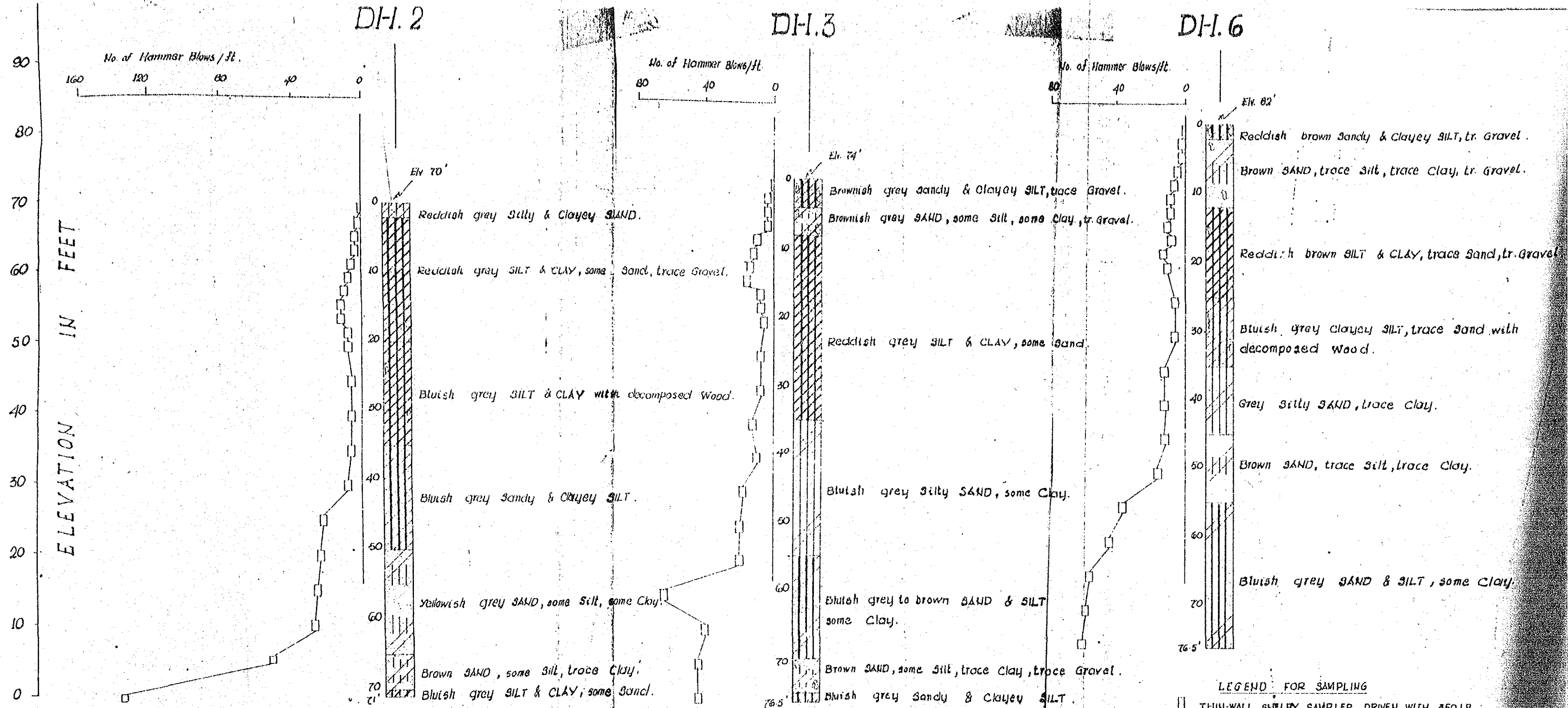
图 2-1 土壤形成图

MEDICAL RESEARCH INSTITUTE

PROFILE OF DRILL HOLES

RESEARCH AND TESTING LABORATORY

PUBLIC WORKS CORPORATION



LEGEND FOR SAMPLING
 □ THIN-WALL SHELBY SAMPLER DRIVEN WITH 350 LB. HAMMER DROP 18"

CROSS - SECTION II - II

2-1

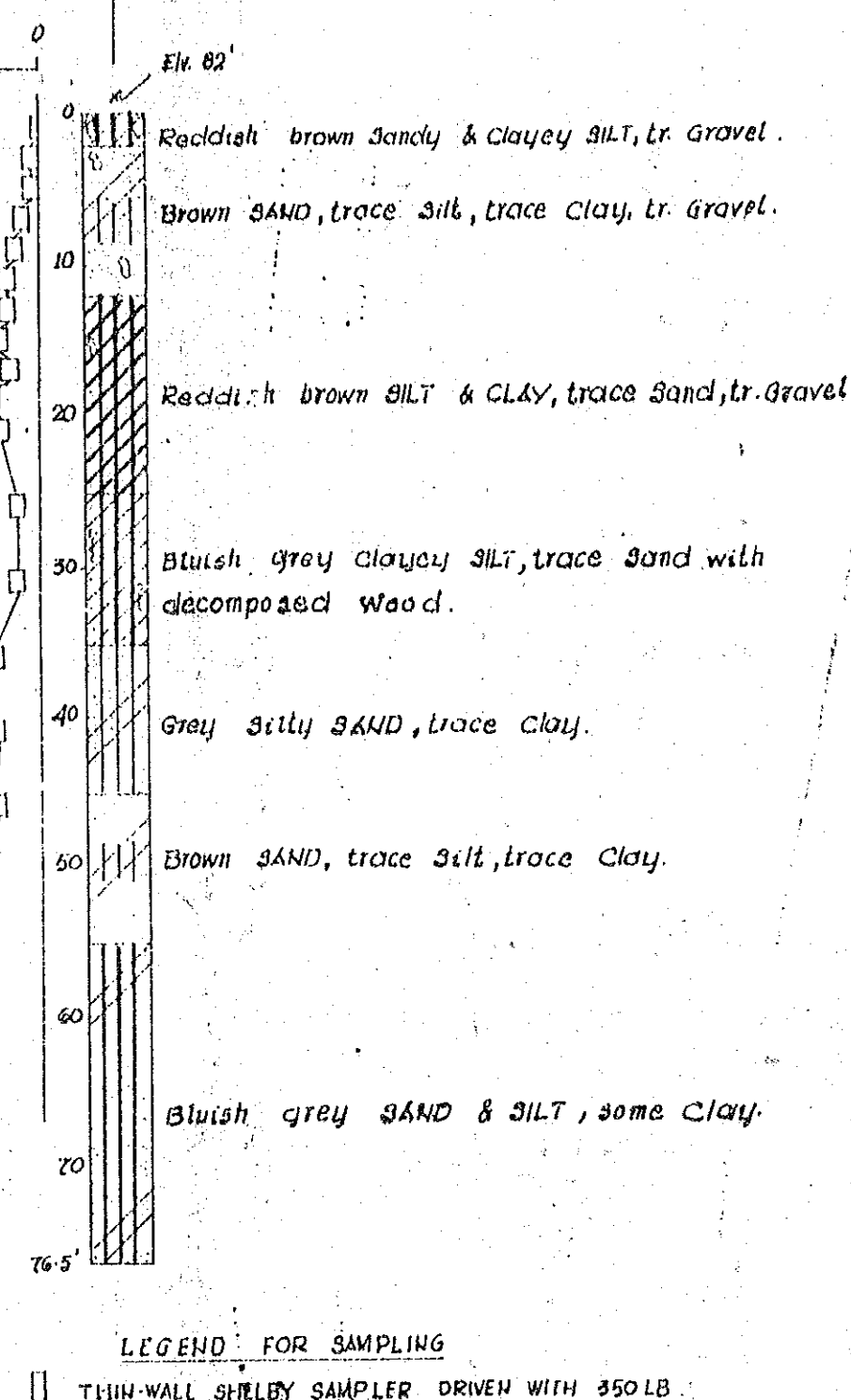
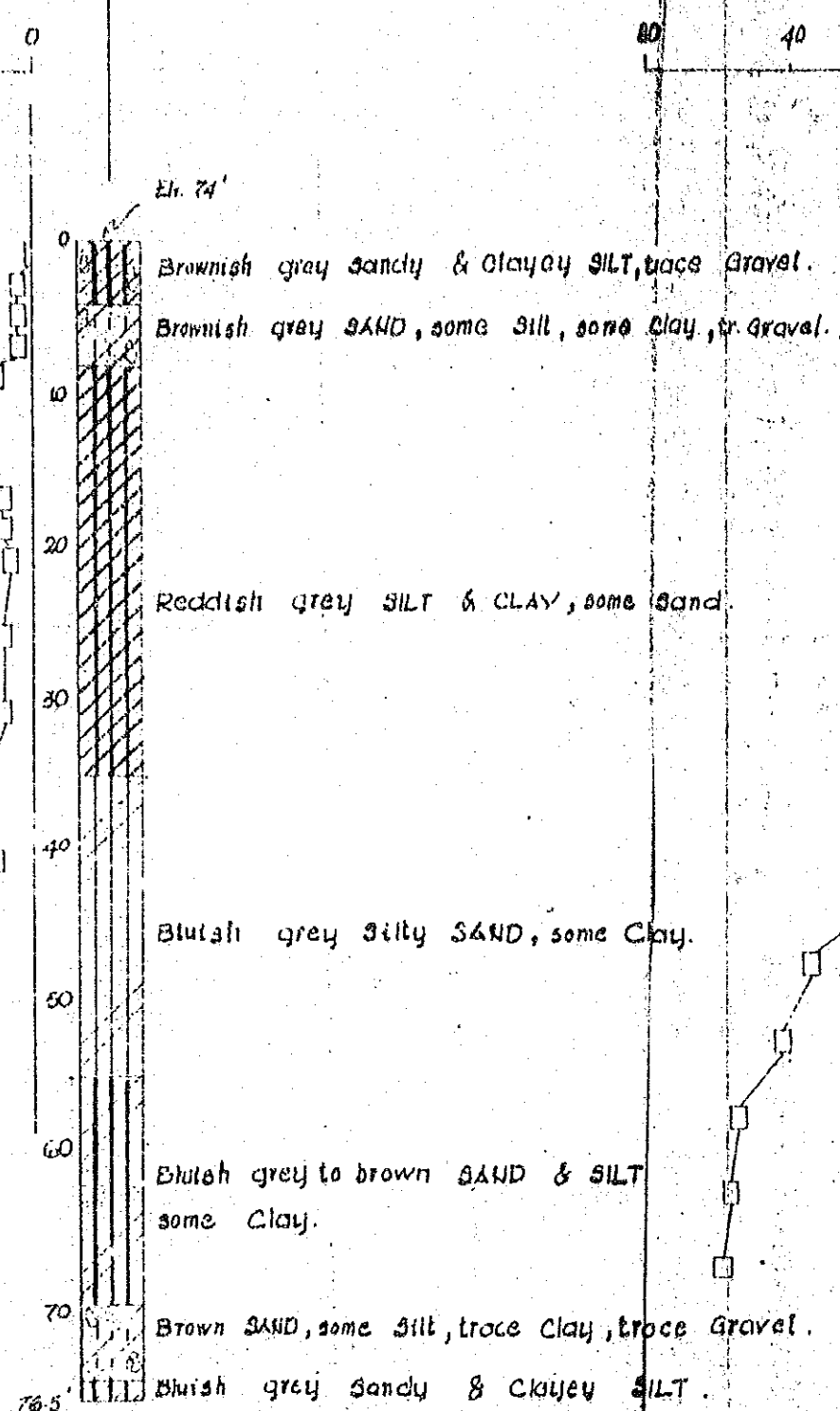
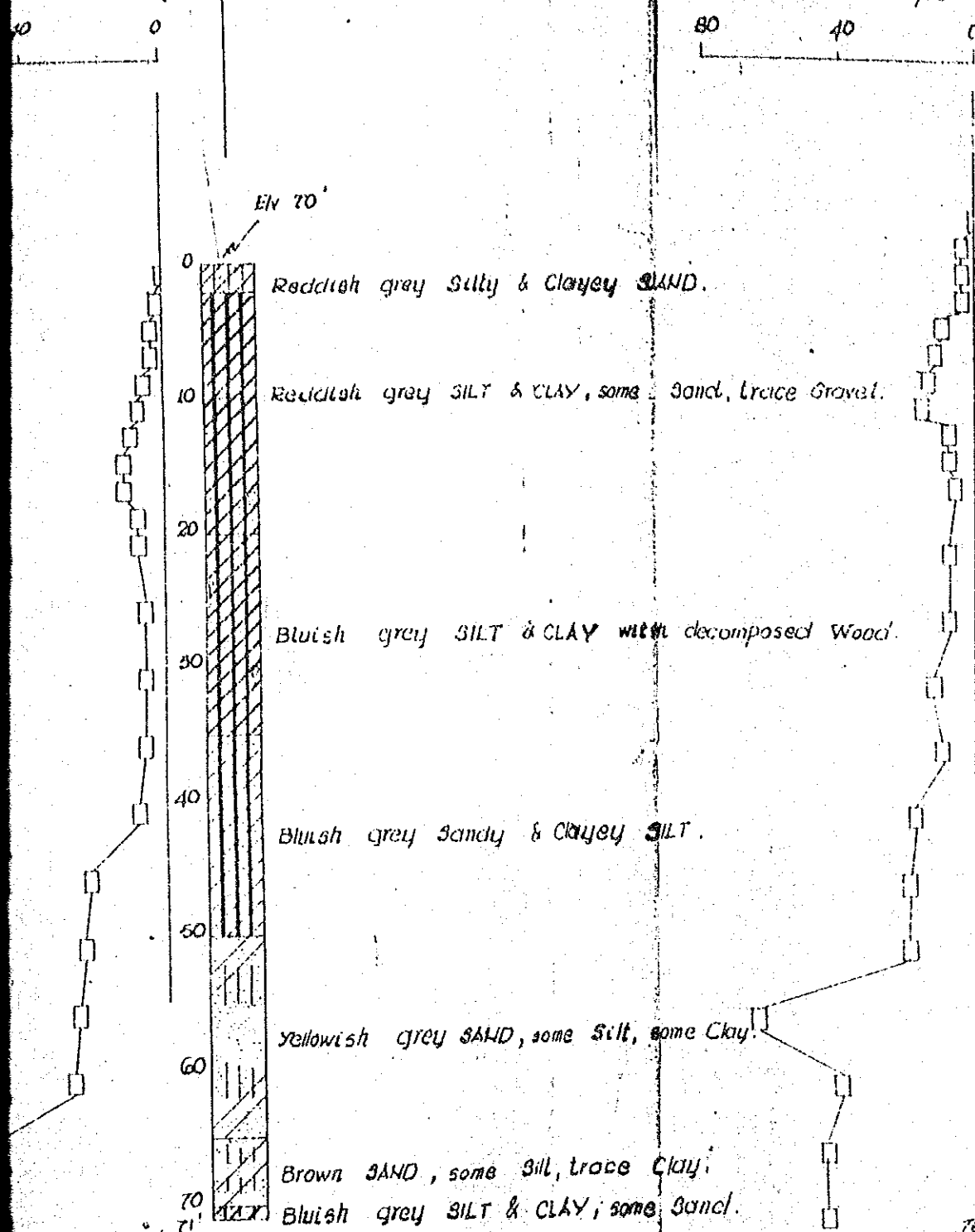
DH. 2

DH. 3

DH. 6

No. of Hammer Blows/ft.

No. of Hammer Blows/ft.



LEGEND FOR SAMPLING

□ THIN-WALL SHELDY SAMPLER DRIVEN WITH 350 LB. HAMMER DROP 18"

CROSS - SECTION II - II

PI 2-1

MEDICAL RESEARCH INSTITUTE

D.H. 4

D.H. 3

D.H. 8

D.H. 9

NO of hammer blows/ft.

NO of hammer blows/ft.

NO of hammer blows/ft.

NO of hammer blows/ft.

80 40 20 0

80 60 40 20 0

80 60 40 20 0

80 60 40 20 0

El. 75'

El. 74'

El. 76'

El. 74'

Reddish brown Silty and Clayey SAND Some Gravel
Brown SAND Some silt trace Clay trace Gravel
Yellowish brown silty SAND Some Clay trace Gravel.

Brownish gray Sandy and Clayey SILT trace Gravel
Brownish gray SAND Some silt Some Clay trace Gravel.

Brownish gray Sandy and Clayey SILT trace Gravel
Brownish gray SAND Some silt trace Clay trace Gravel.

Bluish gray

Reddish gray SILT and CLAY Some Sand trace Gravel.

Reddish gray SILT and CLAY Some Sand.

Reddish brown SILT and CLAY trace Sand trace Gravel
Brownish gray SAND trace silt trace Clay trace Gravel.

Bluish gray

Bluish gray Clayey SILT trace Sand with decomposed wood.

Bluish gray silty SAND some Clay.

Brownish gray Clayey SILT Some Sand trace Gravel.

Bluish gray

Bluish gray SAND and SILT Trace Clay trace Gravel.

Bluish gray to brown SAND and silt some Clay.

Bluish gray Sandy SILT Some Clay.

Brown SAND

Gray silty SAND trace Clay.

Brown SAND some silt trace Clay trace Gravel.

Brownish gray SAND trace silt trace Clay.

Bluish gray

Brown SAND trace silt trace Clay.

Bluish gray Sandy and clayey SILT.

Yellow to blue Sandy SILT some Clay.

Bluish gray clayey SILT Some Sand trace Gravel.

Bluish gray Clayey SILT some Sand.

LEGEND FOR SAMPLING

THIN WALL SHELBY SAMPLER TAKEN WITH 350 LB. HAMMER DROP 18"

CROSS SECTION III-III.

MEDIC

PROF
RESEARCH

D.H. 3

D.H. 8

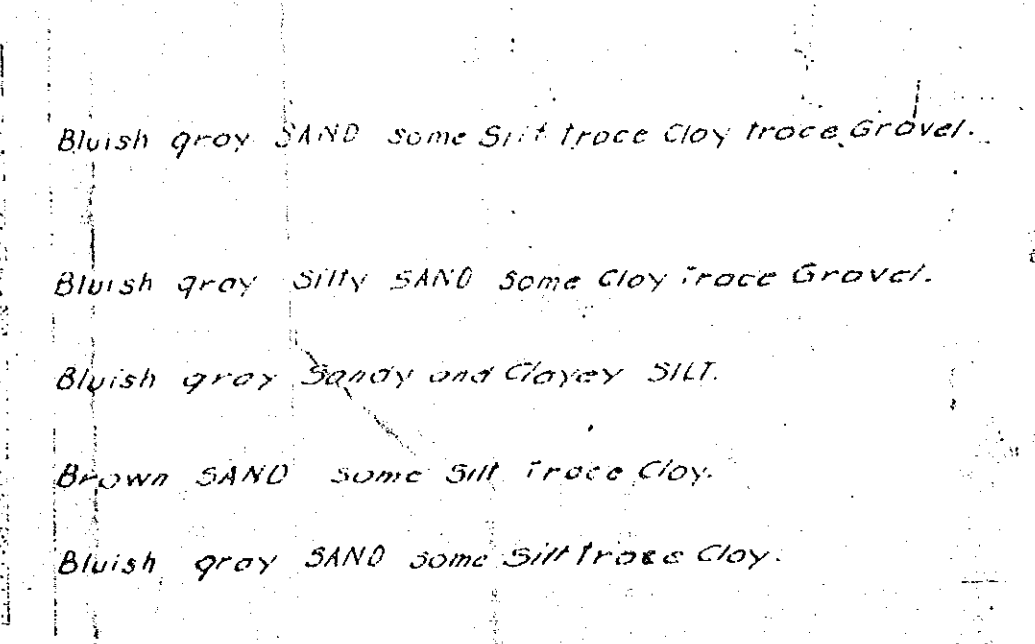
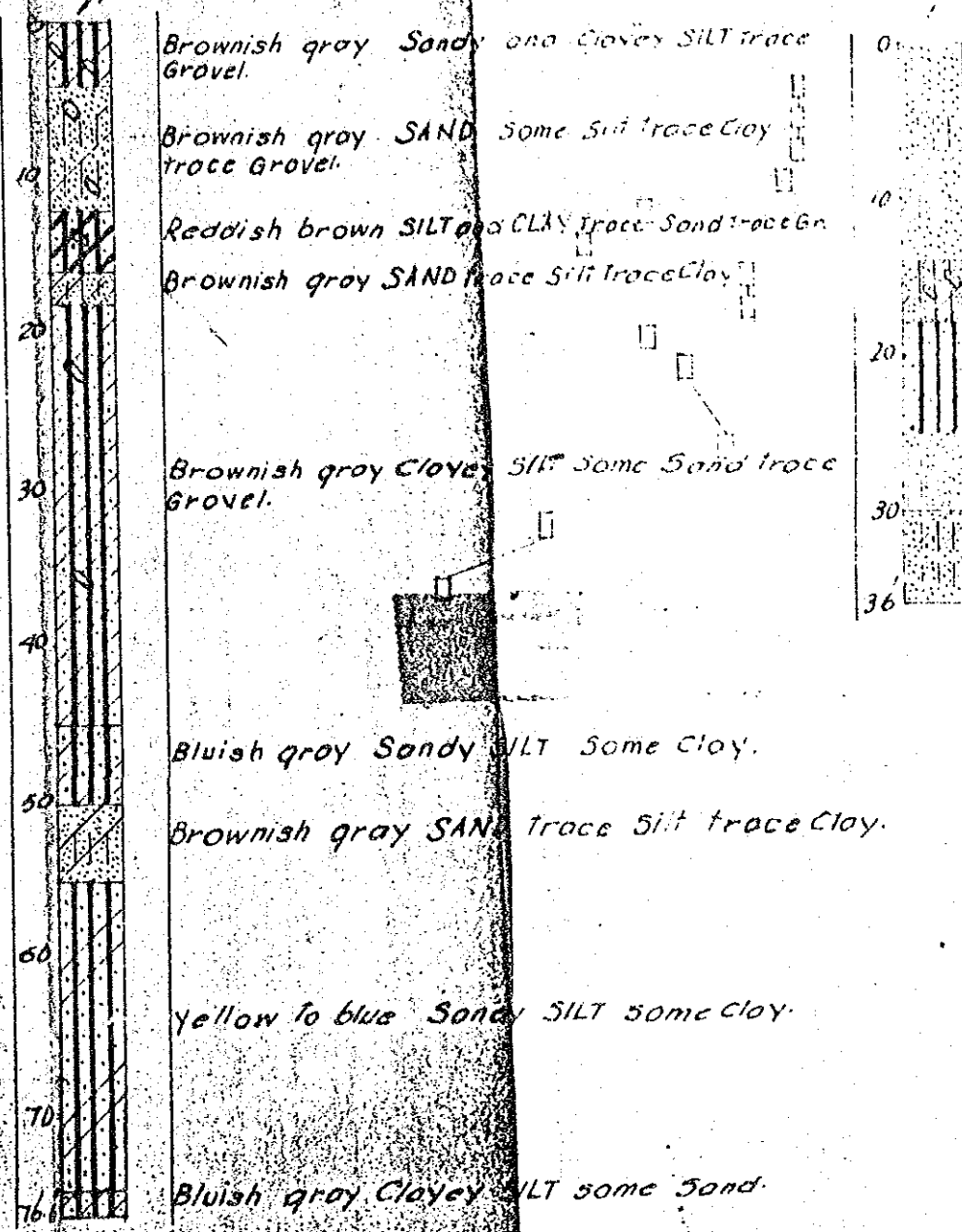
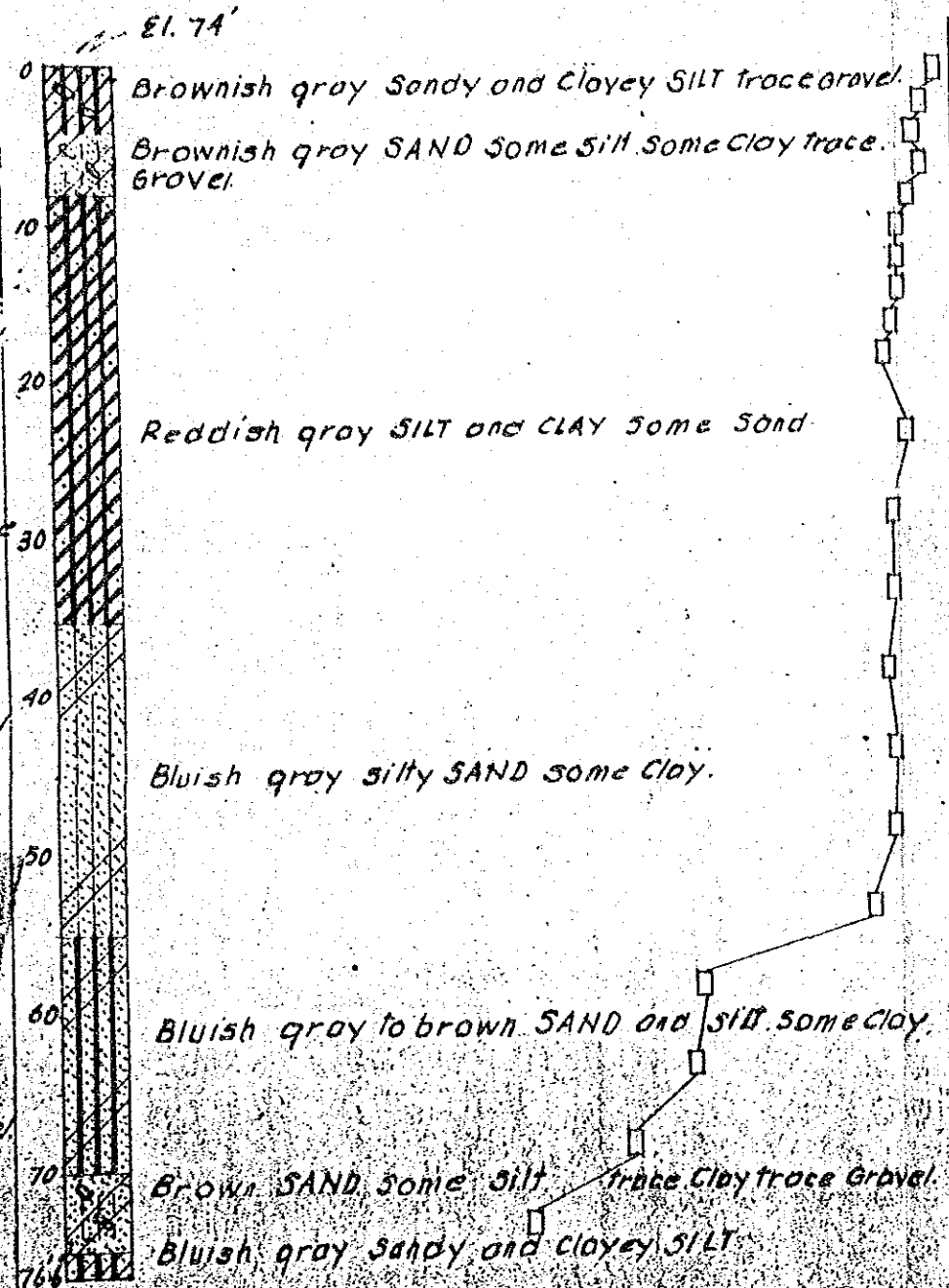
D.H. 9

NO of hammer blows/ft.
80 40 20 0

NO of hammer blows/ft.
80 60 40 20 0

NO of hammer blows/ft.
80 60 40 20 0

ity and Clayey SAND Some Grv
Silt trace Clay Trace Gravel
ity SAND Some Clay trace
and CLAY Some Sand trace
y SILT trace Sand with decompose
and SILT Trace Clay trace
race Clay
ce Silt trace Clay
y SILT Some Sand trace
y SILT Some Sand trace



LEGEND FOR SAMPLING
THIN WALL SHELVY SAMPLER TAKEN WITH 350 LB. HAMMER DROP 18"

CROSS SECTION III-III

2-1


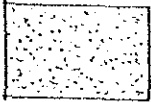
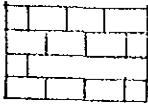
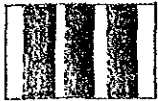
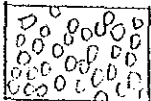
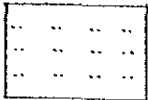
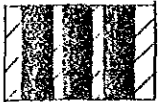
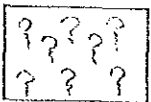
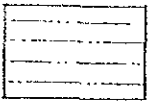


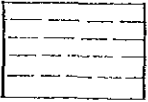
MEDICAL RESEARCH INSTITUTE

PROFILE OF DRILL HOLES

RESEARCH AND TESTING LABORATORY


PUBLIC WORKS CORPORATION


LEGEND OF SYMBOLS USED TO INDICATE MATERIAL IN BORE HOLE

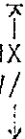
	CLAY		SAND		LIMESTONE
	SILT		GRAVEL		SANDSTONE
	CLAYEY SILT		ORGANIC MATTER (Decomposed wood)		SILTSTONE
	Silty CLAY		MAN-MADE FILL		SHALE

NOTE: Where two or more symbols are shown on Log Sheets predominant Soil-type is shown HEAVY, as in Clayey SILT and Silty CLAY above.

LEGEND OF SYMBOLS USED TO INDICATE
TYPE OF SOIL SAMPLE TAKEN

 6 Indicates Shelby Thin-wall Sample No. 1, with number
8 of Hammer Blows for each 6 inches of penetration.
9

 15 Indicates Split-Tubes Sample No.1, with number of
20 Hammer Blows for each 6 inches of penetration.
30

 NXST & DT Indicates NX Single or Double Tube with Diamond Bit.
W/Dia.Bit
2

TERMINOLOGY USED TO DENOTE THE PERCENTAGE
BY WEIGHT OF EACH COMPONENT

<u>Descriptyve Term</u>	<u>Rangs of Proportion</u>
"Trace"	1 - 10 %
"Some"	10 - 20 %
Adjective (e.g. Sandy, Silty)	20 - 35 %
"and"	35 - 50 %

Designation : plus (+) ; near the upper limit of proportion.

:minus (-) ; near the lower limet of proportion.

: no sign ; middle range of proportion.

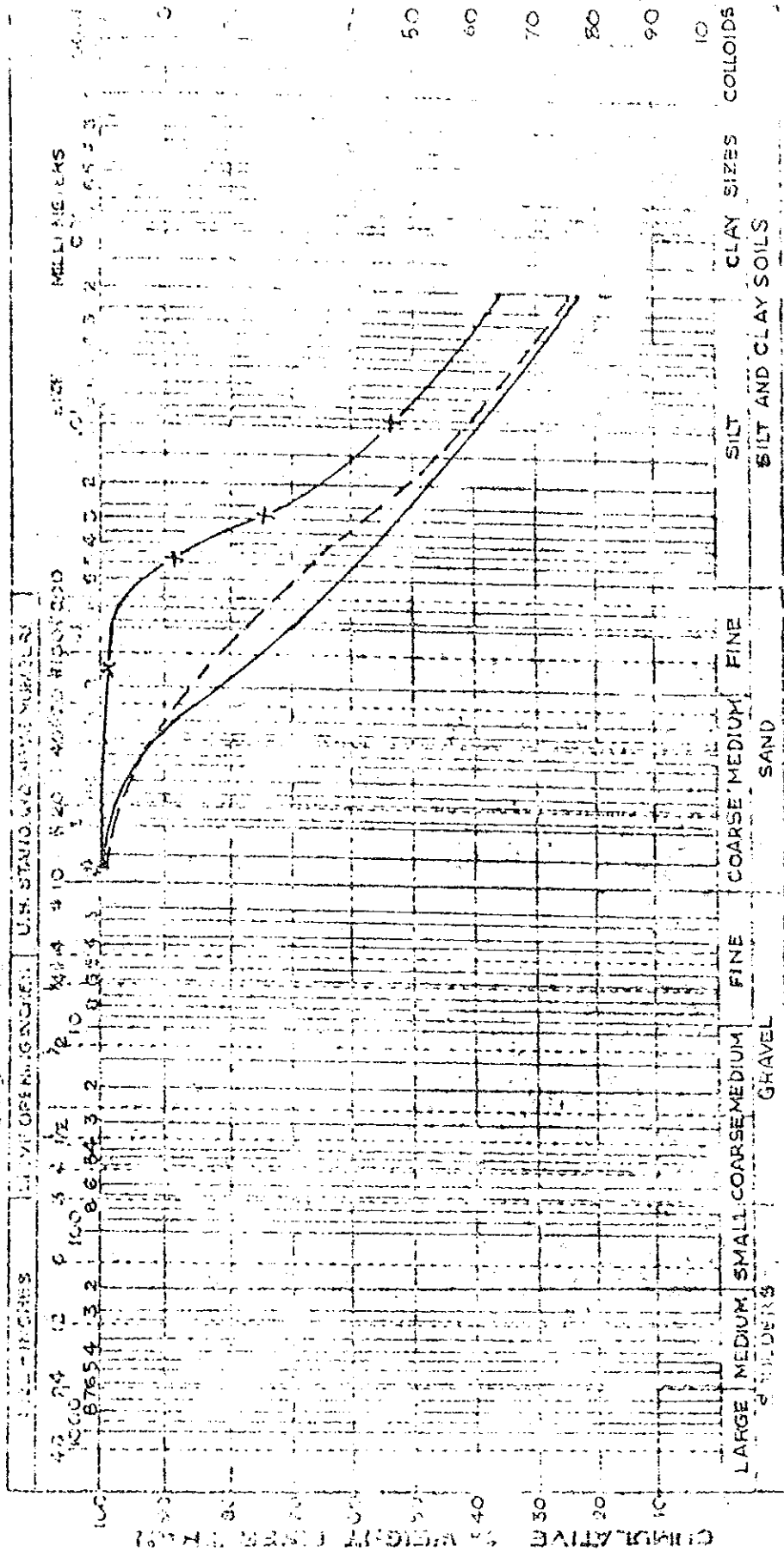
TERMINOLOGY USED TO INDICATE THE CONSISTENCY
OF THE UNDISTURBED MATERIAL

<u>Descriptive Term</u>	<u>Range of Unconfined Compressive Strength</u>
"Very soft"	less than 0.25 Ton/sq.ft (1 Ton = 2000 lbs)
"Soft"	0.25 - 0.50 "
"Medium Stiff"	0.50 - 1.00 "
"Stiff"	1.00 - 2.00 "
"Very Stiff"	2.00 - 4.00 "
"Hard"	over 4.00 "

22-1 粘土分佈曲線

GRAIN SIZE DISTRIBUTION

PROJECT MEDICAL INSTITUTE, RANGOON.



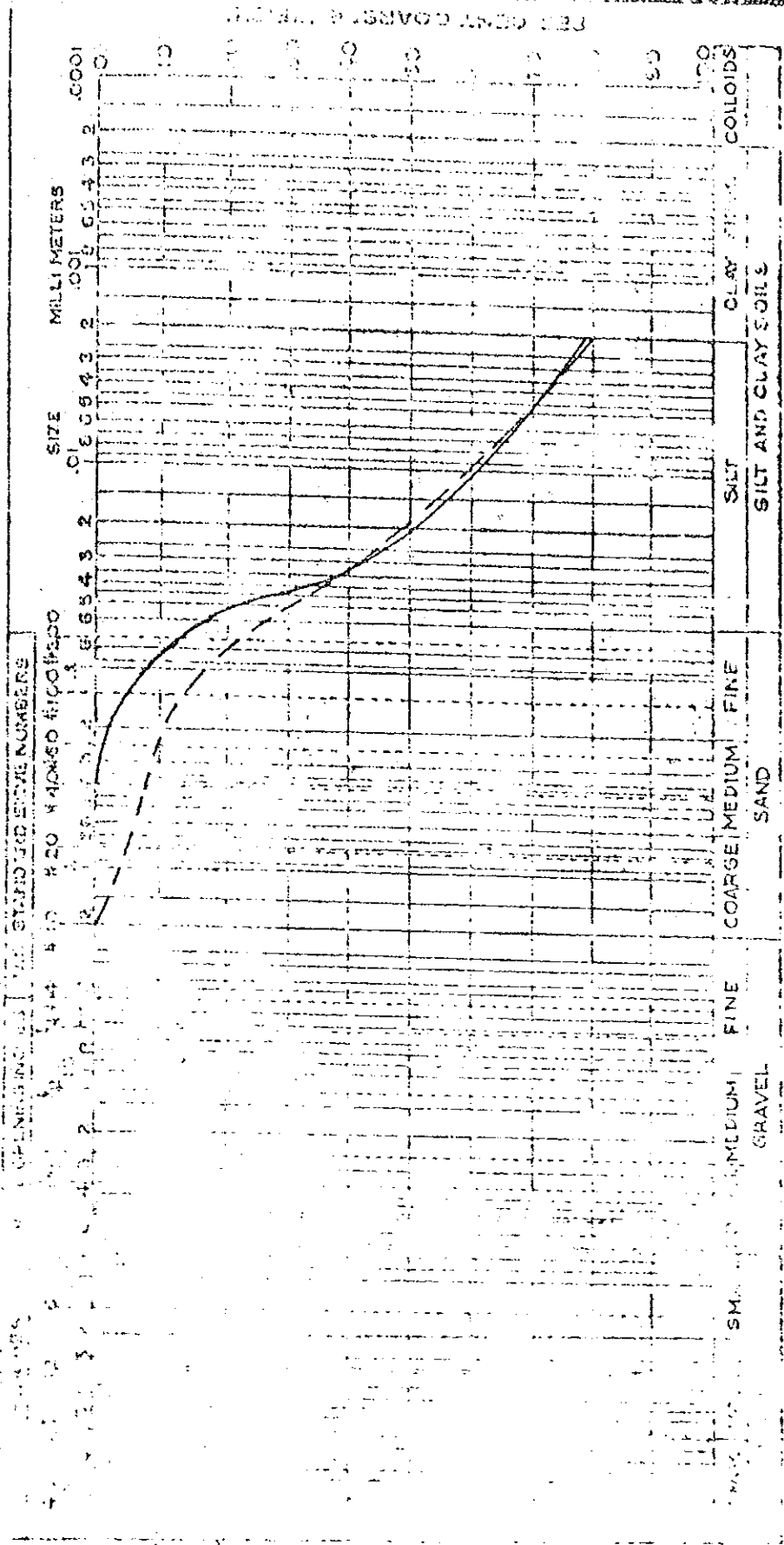
HOLE NO. 1 SHELBY NO. 3 DEPTH 4'-6"
 " " " " " " 7'-12"-14"
 " " " " " " 13'-30"-32"

FIG. NO. 3-1

147 3-2

UNIVERSITY OF MICHIGAN
GEOLOGICAL ENGINEERING DEPARTMENT
SOIL MECHANICS LABORATORY
GRAIN SIZE DISTRIBUTION

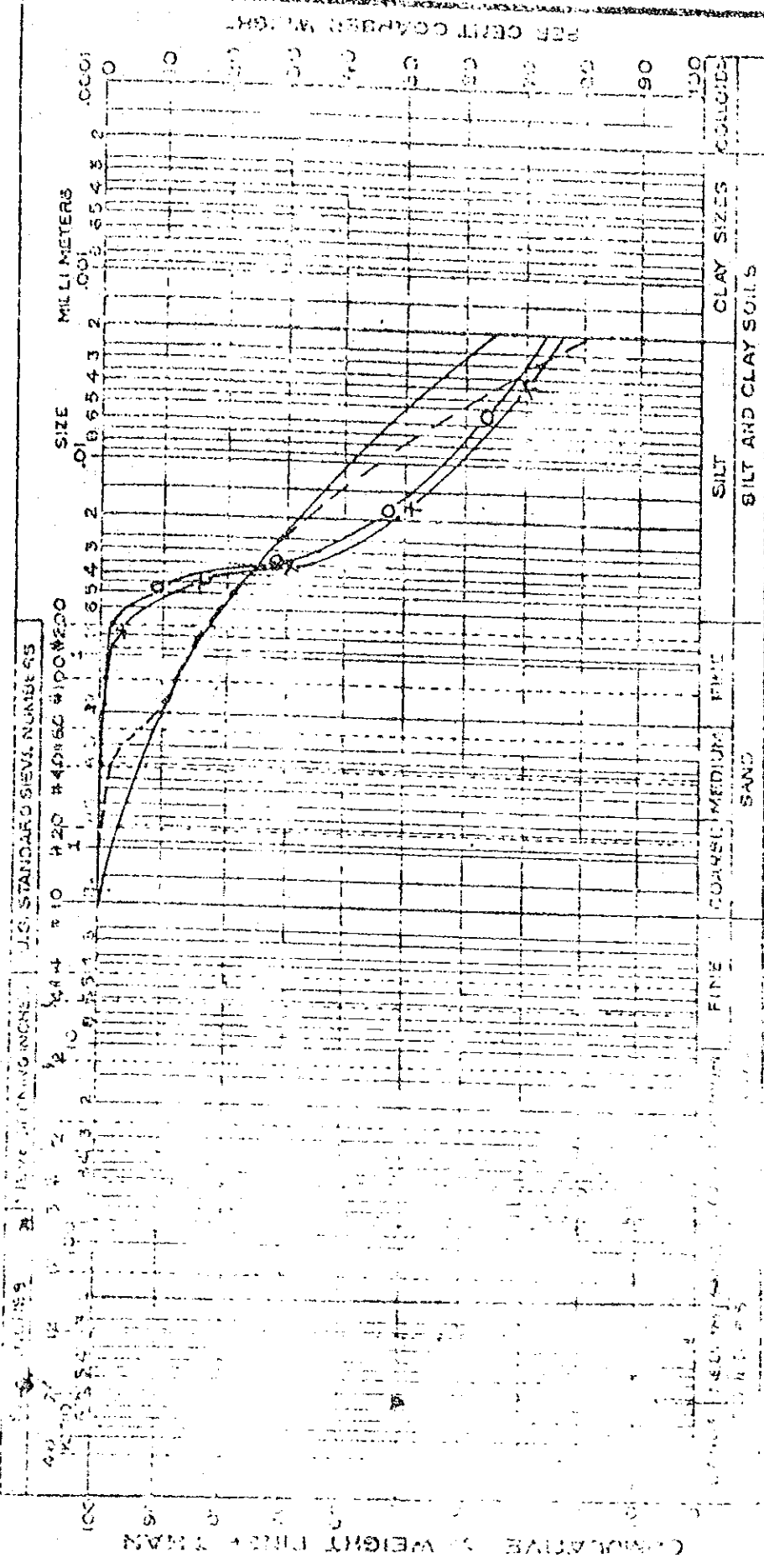
UNIVERSITY MEDICAL INSTITUTE - RANGOON.



HOLE NO. 1 SHELBY NO. 17 DEPTH 50'-52'
" " " " 70'-71'

GRAIN SIZE DISTRIBUTION

PROJECT MEDICAL INSTITUTE - RANGOON.



HOLE NO	SHELBY NO	DEPTH
2	4	6'-8'
"	"	9 "
"	"	16'-18'
"	"	13 "
"	"	30'-32'
"	"	17 "
"	"	50'-52'

FIG. NO. 3-3

GRAIN SIZE DISTRIBUTION

PROJECT MEDICAL INSTITUTE - RANGOON.

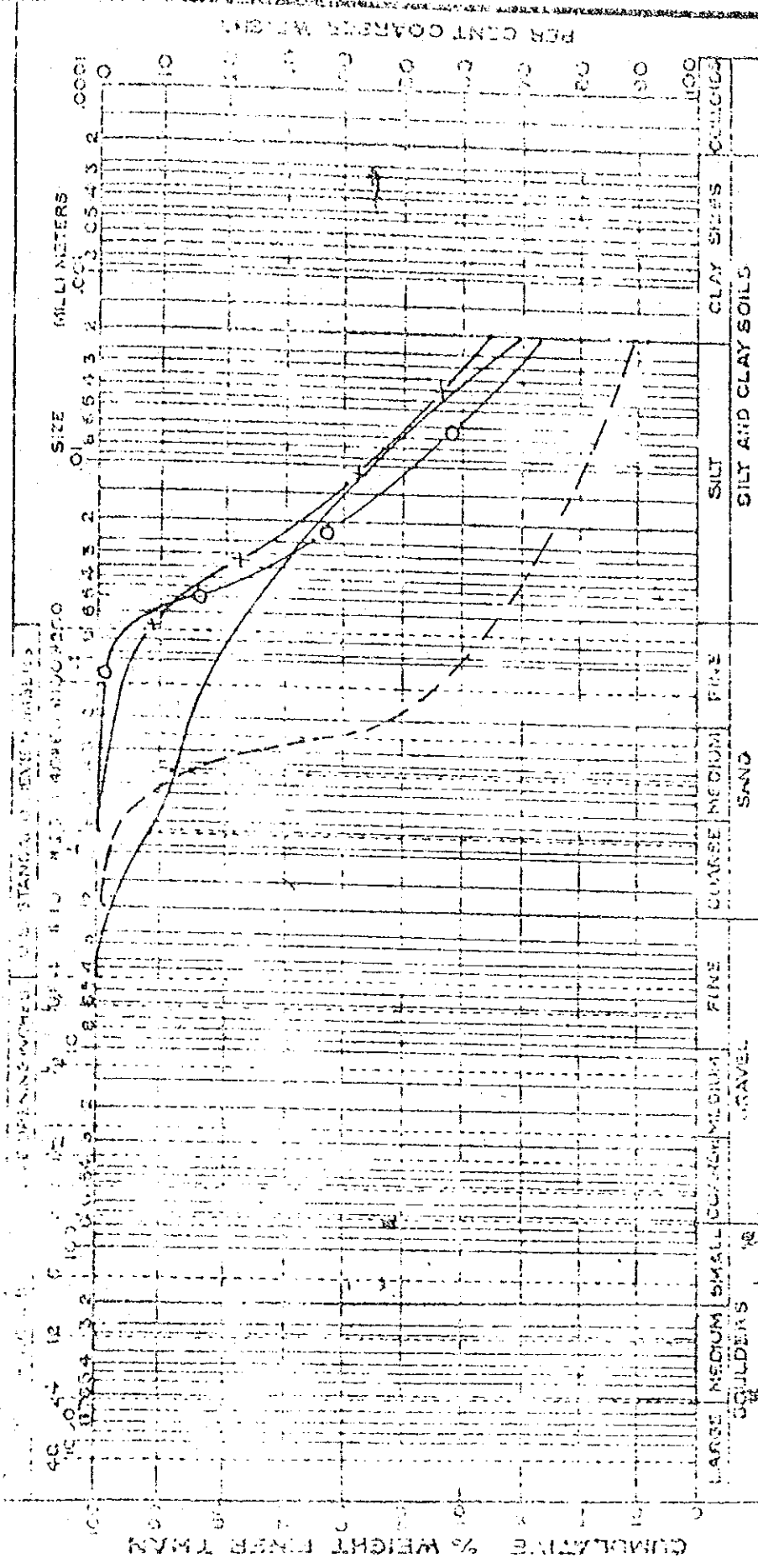
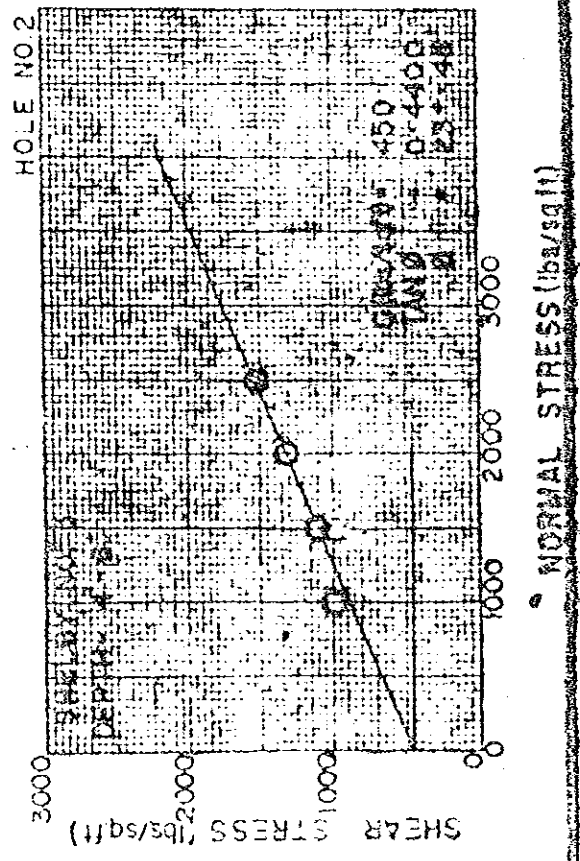
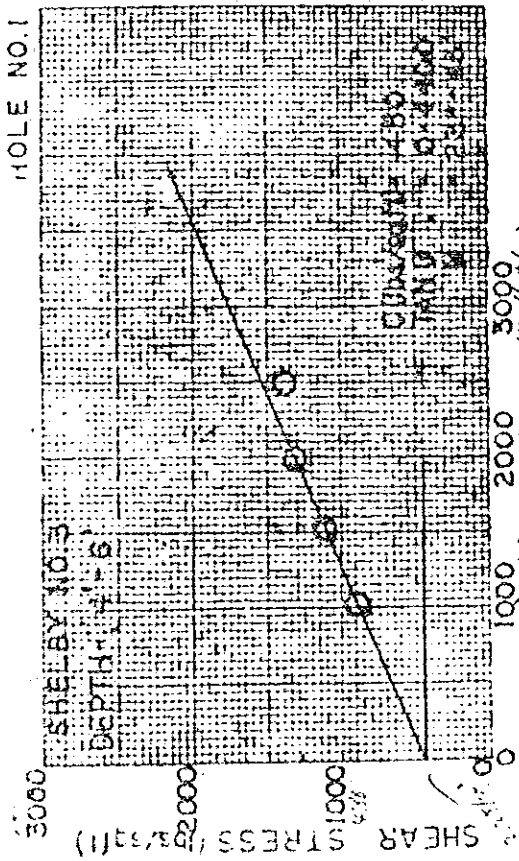


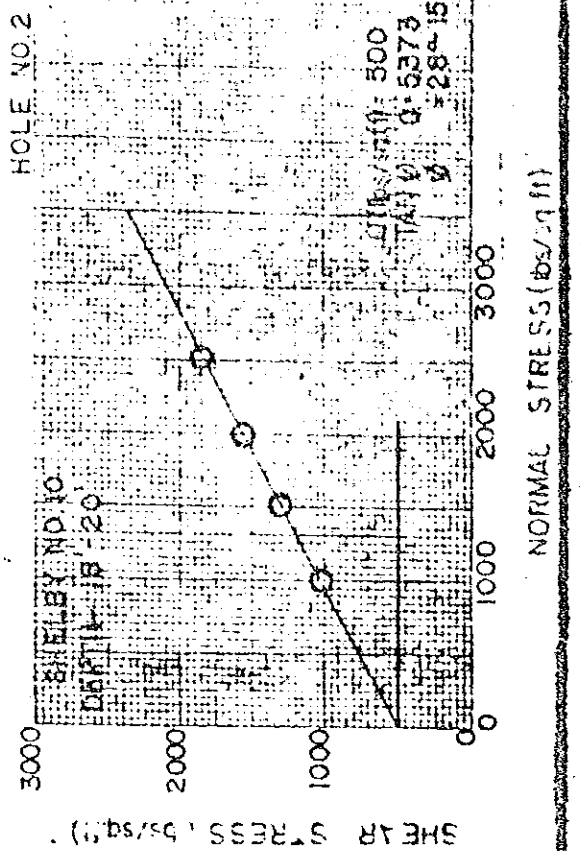
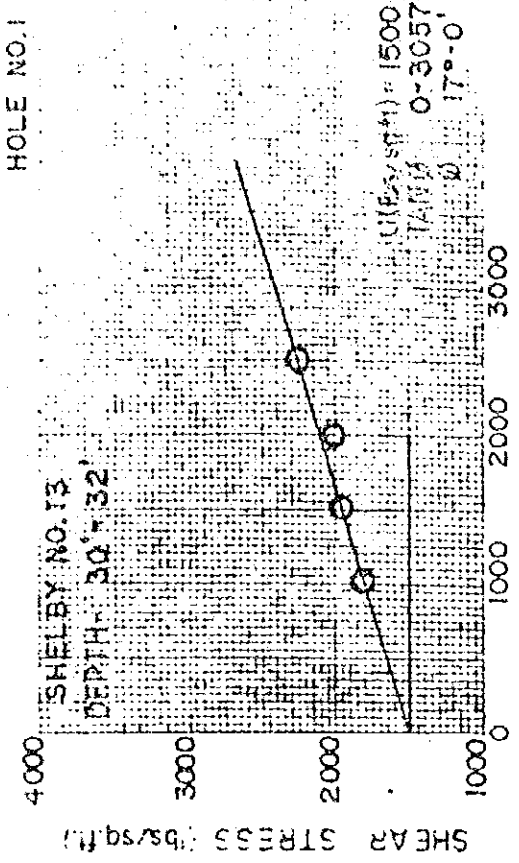
FIG. NO. 3-4

圖 4-1 直接剪斷曲線

LOCATION: MEDICAL INSTITUTE - RANGOON.

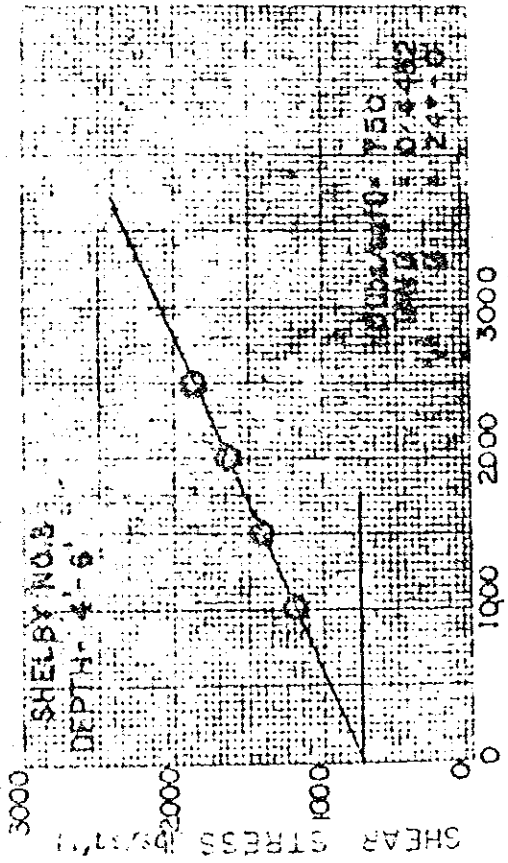


HOLE NO. 1

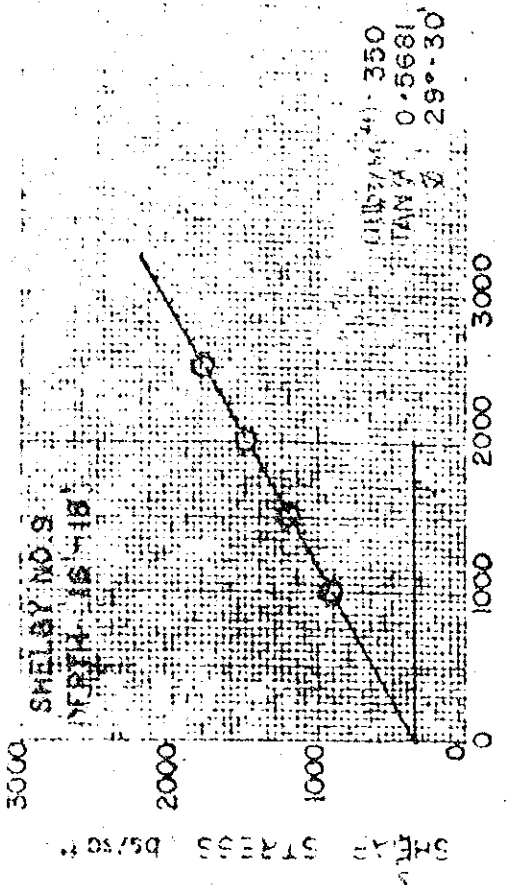
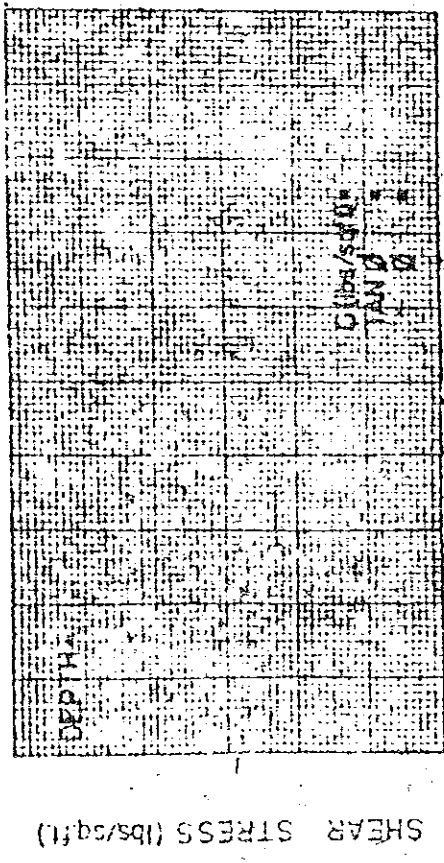


LOCATION: MEDICAL INSTITUTE - RANGOON

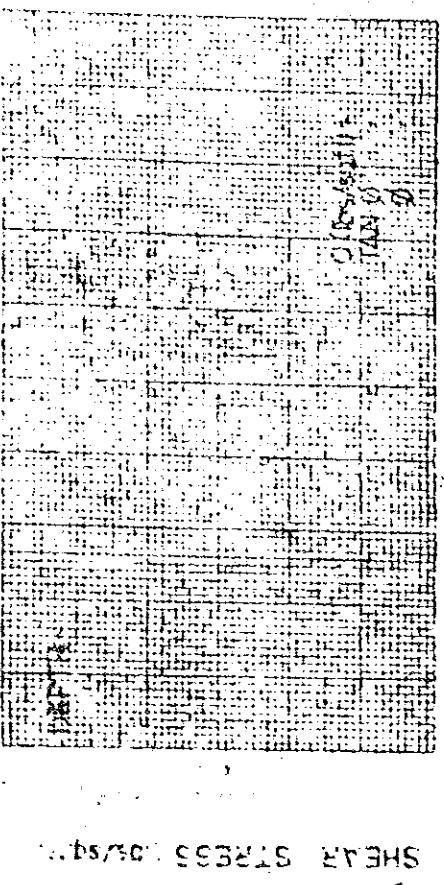
HOLE NO. 3



NORMAL STRESS (lb/sq ft)

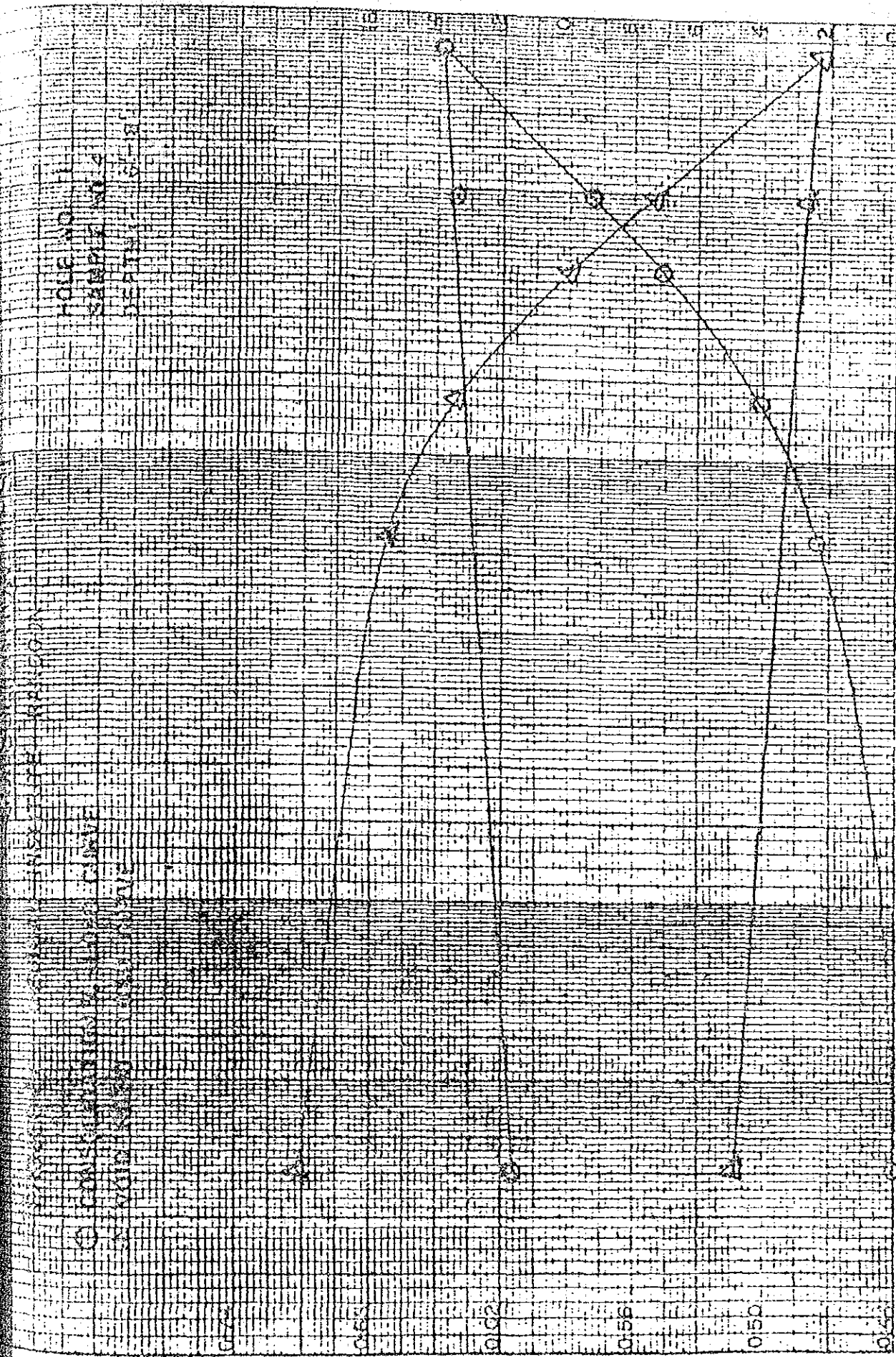


NORMAL STRESS (lb/sq ft)



SHEET NO. FIG. NO. 4-2

CONSOLIDATION %



100
720 kg/m²

1.0
93 kg/m²

0.5
46.5 kg/m²

0.1
9.3 kg/m²

0.025
0.93 kg/m²

LOAD IN TONS/50.SF. 46.5 kg/m²

VOID RATIO

SHEET No.

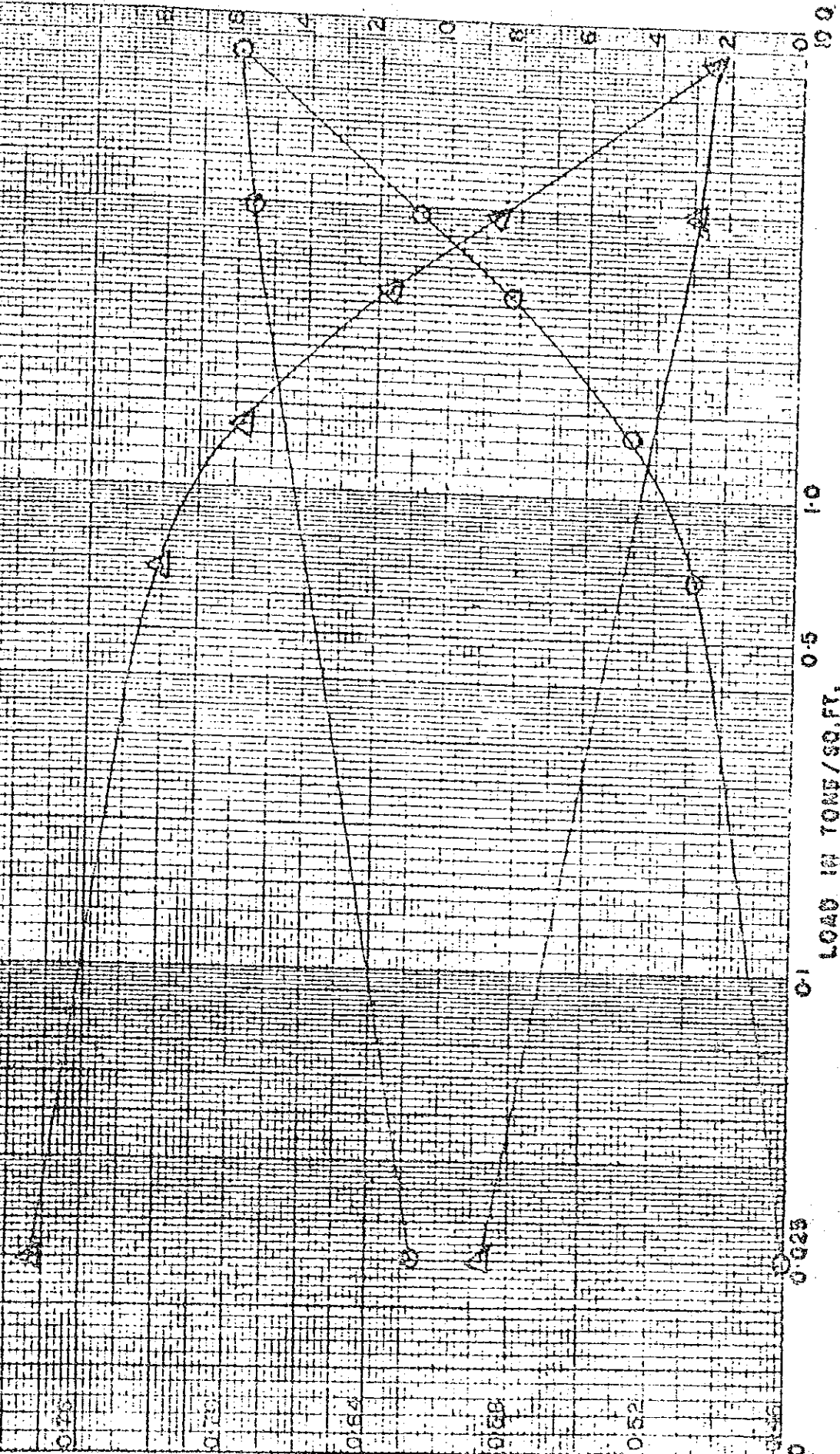
CONSOLIDATION TEST

SITUAL, WANGUON

CLASS O CONSOLIDATION TEST CURVE

X VOID RATIO CURVE

MOLE NO. 12
 SAMPLE NO. 8
 DEPTH = 14" - 16"



VOID RATIO

LOAD IN TONS/SQ. FT.

(表)
TABLE. I. 1.

NATURAL MOISTURE CONTENT WET & DRY DENSITIES & UNCONFINED COMPRESSION TEST
MEDICAL INSTITUTE, RANGOON.

JOB SHEET NO.	DEPTH F t.	VISUAL CLASSIFICATION	DRILL HOLE NO. 1.		UNCONFINED STRENGTH Lb/Sq.Ft.	COMPRESSION STRAIN %
			MOISTURE CONTENT %	DENSITIES Lb/Cu.Ft.		
1	0 - 2	Brownish Grey SAND & SILT, some Clay, trace Gravel.	17.1	115.0	98.1	-
2	2 - 4	- do -	17.3	117.6	100.2	-
3	4 - 6	Brownish Grey Sandy & Clayey SILT.	21.6	121.8	100.1	-
4	6 - 8	- do -	26.6	127.0	100.3	2050
5	8 - 10	- do -	29.5	128.6	99.3	1750
6	10 - 12	- do -	25.3	123.2	98.3	2240
7	12 - 14	- do -	27.8	124.1	97.2	2290
8	14 - 16	- do -	22.0	123.1	101.0	1830
9	16 - 18	- do -	21.4	118.1	97.3	2600
10	18 - 20	- do -	33.7	128.9	96.5	1900
11	20 - 22	- do -	35.6	130.0	95.9	1305
12	25 - 27	Bluish Grey SILT & CLAY, trace Sand.	34.2	130.2	97.1	1600
13	30 - 32	- do -	28.3	127.4	99.3	4540
14	35 - 37	- do -	25.4	124.9	99.5	-
15	40 - 42	- do -	21.6	125.5	103.2	5050
16	45 - 47	- do -	18.8	125.3	105.5	-
17	50 - 57	Brownish Grey Clayey SILT, some Sand.	18.0	127.6	108.2	-
18	55 - 57	- do -	18.1	125.5	106.3	-
19	60 - 62	- do -	16.6	126.4	108.5	-
20	65 - 67	Bluish Grey Sandy & Clayey SILT.	14.2	125.0	109.3	-
21	70 - 71	- do -	12.6	124.3	110.5	-

(表)
TABLE. I. 2.

NATURAL MOISTURE CONTENT WET & DRY DENSITIES & UNCONFINED COMPRESSION TEST
MEDICAL INSTITUTE, RANGOON.

SHELVES NO.	DEPTH IN FT.	VISUAL CLASSIFICATION	DRILL HOLE NO. 2.			
			MOISTURE CONTENT %	DENSITIES Lb./Cu.Ft.		UNCONFINED COMPRESSION STRENGTH Lb./Sq.Ft.
				WET	DRY	
1	0 - 2	Reddish brown SAND & GRAVEL, some Silt.	30.2	127.1	97.6	-
2	2 - 4	Reddish brown Sabdy & Clayey SILT.	22.3	120.7	98.5	1900
3	4 - 6	- do -	24.9	118.0	94.5	2500
4	6 - 8	- do -	27.1	127.9	100.5	2010
5	8 - 10	- do -	29.2	130.0	100.5	2850
6	10 - 12	- do -	26.1	118.0	93.5	3120
7	12 - 14	- do -	28.1	128.1	100.0	3000
8	14 - 16	- do -	31.5	131.5	100.0	1260
9	16 - 18	Yellowish brown SAND & SILT, some Clay.	26.3	117.9	93.2	2350
10	18 - 20	- do -	25.1	119.5	95.5	-
11	20 - 22	- do -	34.6	125.1	93.1	1005
12	25 - 27	Bluish Grey SILT & CLAY, trace Sand.	34.9	127.5	99.3	2130
13	30 - 32	- do -	25.0	124.1	101.7	3150
14	35 - 37	- do -	24.4	126.5	107.0	4100
15	40 - 42	- do -	21.2	129.7	102.5	-
16	45 - 47	Bluish Grey Clayey SILT, trace Sand.	24.9	128.0	106.9	-
17	50 - 52	- do -	19.0	127.1	107.2	-
18	55 - 57	- do -	20.1	129.0	110.1	-
19	60 - 60½	- do -	15.2	127.0	-	-

(表)
TABLE. I. 3.

NATURAL MOISTURE CONTENT WET & DRY DENSITIES & UNCONFINED COMPRESSION TEST
MEDICAL INSTITUTE, RANGOON.

JOB SHEET NO.	DEPTH F t.	VISUAL CLASSIFICATION	DRILL HOLE NO. 3.			
			MOISTURE CONTENT %	DENSITIES Lb/Cu.Ft.	UNCONFINED STRENGTH Lb/Sq.Ft.	COMPRESSION STRAIN %
1	0 - 2	Reddish brown Sandy & Clayey SILT.	26.4	123.3	97.6	-
2	2 - 4	- do -	25.6	123.9	98.5	1940
3	4 - 6	- do -	28.3	126.5	98.5	3080
4	6 - 8	- do -	25.3	126.0	100.5	2080
5	8 - 10	- do -	26.7	127.2	100.5	2230
6	10 - 12	- do -	28.4	126.6	98.5	2380
7	12 - 14	Brownish Grey SAND & SILT, some Clay.	21.8	122.1	100.3	-
8	14 - 16	Brownish Grey Silty SAND, some Clay.	23.3	123.9	100.2	1400
9	16 - 18	- do -	18.1	116.1	98.2	1080
10	18 - 20	- do -	18.7	114.6	96.5	-
11	20 - 22	Brownish Gry Silty SAND, some Clay with decomposed Wood.	26.8	118.0	93.1	-
12	25 - 27	- do -	30.8	128.3	98.3	-
13	30 - 32	Yellowish brown SAND & SILT, trace Clay.	24.8	127.9	102.5	3440
14	35 - 37	Bluish Grey SILT & CLAY, some Sand.	24.4	126.8	101.9	3880
15	40 - 42	- do -	24.6	129.7	104.1	3500
16	45 - 47	Bluish Grey Clayey SILT, trace Sand.	23.8	132.3	107.0	-
17	50 - 52	- do -	19.4	130.3	109.2	-
18	55 - 57	- do -	19.5	130.9	109.5	-
19	60 - 60½	- do -	18.2	130.4	110.3	-

(表)

TABLE 2.

GRAIN SIZE DISTRIBUTION AND ATTERBERG LIMITS OF THE SOIL SAMPLES

JOB: MEDICAL INSITUTE, RANGOON.

SHELF DEPTH NO.	DESCRIPTION	M E C H A N I C A L A N A L Y S I S										A T T E R B E R G L I M I T S		
		GRAVEL 9 mm to 2 mm	COARSE 0.6 mm to 0.2 mm	MEDIUM 0.2 mm to 0.06mm	FINE 0.06mm to 0.002 mm	SILT 0.06mm to 0.002 mm	CLAY Less than 0.002 mm	FINE Minus No200 Seive	Liq. Plasticity Index	Plasticity Limit	Non Plastic-	Plasticity Limit	Plasticity Index	
<u>DRILL HOLE NO.1.</u>														
3	4-6	Clayey SAND and SILT.	-	5	13	20	39	23	65.0	-	Non Plastic-			
7	12-14	Sandy and Clayey SILT.	-	5	10	15	46	24	73.0	44.5	23.1	21.4		
13	30-32	SILT & CLAY, trace Sand.	-	-	-	7	57	36	96.0	54.6	28.9	25.7		
17	50-52	Clayey SILT, some Sand.	-	-	2	15	62	21	87.0	45.3	21.1	24.2		
21	70-71	Sandy & Clayey SILT.	-	6	4	17	53	20	79.0	27.6	17.3	10.3		
<u>DRILL HOLE NO.2.</u>														
4	6-8	SILT & CLAY, some Sand.	-	3	7	9	46	35	83.0	59.0	25.7	33.3		
9	16-18	Clayey SILT, some Sand.	-	-	10	9	61	20	84.0	44.4	22.1	22.3		
13	30-32	Clayey SILT, trace Sand.	-	-	-	7	70	23	96.0	37.2	23.7	13.5		
17	50-52	Clayey SILT, trace Sand.	-	-	-	5	69	26	98.0	34.8	23.0	11.8		
<u>DRILL HOLE NO.3.</u>														
3	4-6	Sandy & Clayey SILT, trace gravel.	3	7	5	8	46	31	79.0	42.2	23.6	18.6		
9	16-18	Silty SAND, some Clay.	-	6	41	19	23	11	36.0	-	Non Plastic-			
14	35-37	SILT & CLAY, some Sand.	-	-	3	8	53	36	92.0	52.0	24.2	26.8		
18	55-56	Clayey SILT, trace Sand.	-	-	-	9	61	30	95.0	50.2	26.6	23.6		

(表)
TABLE 3.

DIRECT SHEAR TEST

JOB: MEDICAL INSTITUTE, RANGOON.

SHEAR NO.	DEPTH Ft.	VISUAL CLASSIFICATION	MOISTURE		DRY DENSITY Lb/Cu.Ft.	SHEAR CHARACTERISTIC		
			CONTENT %	CONTENT %		COHESIVE STRENGTH Lb/Sq.Ft.	COEFF. OF INTERNAL FRICTION TAN	ANGLE OF FRICTION
1	3	Brownish Grey Sandy & Clayey SILT.	21.6	21.6	100.1	450	0.4400	23 45'
13	30-32	Bluish grey SILT & CLAY, trace Sand.	28.3	28.3	99.3	1500	0.3057	17 0'
2	3	Reddish brown Sandy & Clayey SILT.	24.9	24.9	94.5	450	0.4400	23 45'
13	18-20	Yellowish brown SAND & SILT, some Clay.	25.1	25.1	95.5	500	0.5373	28 15'
3	3	Reddish brown Sandy & Clayey SILT.	28.3	28.3	98.5	750	0.4452	24 0'
9	16-18	Brownish grey Silty SAND, some Clay.	18.1	18.1	98.2	350	0.5681	29 30'

(表)
TABLE 4.

CONSOLIDATION TEST.

SHEAR NO.	DEPTH Ft.	VISUAL CLASSIFICATION	MOISTURE		DRY DENSITY Lb/Cu.Ft.	CONSOLIDATION PERCENT				
			CONTENT %	CONTENT %		(Tons per square foot)	1.0'	2.0'	4.0'	
<u>DRILL HOLE NO. 1.</u>										
4	6-8	Brownish grey Sandy & Clayey SILT.	26.6	26.6	100.3	1.9	3.2	5.7	9.5	13.9
<u>DRILL HOLE NO. 2.</u>										
8	14-16	Reddish brown Sandy & Clayey SILT.	31.5	31.5	100.0	2.5	3.8	6.7	11.0	16.0

5-3 各種気象データ(4-1-4 4-2-1関連)

STATEMENT SHOWING MONTHLY RAINFALL IN INCHES (RANGOON)

YEAR	JAN.	FEB.	MAR.	APR.	MAY.	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	Annual Total
1960	0.82	0.00	0.00	0.00	10.39	11.39	17.00	25.25	12.88	13.52	1.60	0.84	93.96
1961	0.31	0.05	0.00	0.02	9.79	21.31	25.34	26.09	16.34	12.52	1.10	0.36	112.68
1962	0.07	0.10	0.00	0.34	17.74	15.24	24.21	15.84	17.32	4.32	0.27	0.03	95.39
63	0.00	0.02	0.00	0.61	5.35	14.98	29.52	24.77	19.40	12.44	2.90	2.83	112.83
64	0.00	0.00	0.02	0.06	20.75	19.99	12.32	21.10	11.32	12.96	0.82	0.00	99.32
65	0.00	0.00	0.56	0.00	13.60	34.95	19.73	21.21	10.35	14.52	0.20	0.00	115.12
66	0.00	0.00	0.00	0.00	10.42	22.19	23.77	15.45	21.49	8.40	0.01	1.96	103.69
67	0.00	0.00	0.00	1.38	12.60	16.46	17.91	30.29	19.06	7.31	0.18	0.00	105.19
68	0.00	0.00	0.01	0.29	7.76	25.47	24.85	34.25	22.49	9.29	0.75	0.00	125.16
69	0.00	0.00	0.00	0.31	11.34	19.92	24.84	23.35	15.71	4.93	0.54	0.00	100.94
70	0.00	0.00	2.87	0.04	17.61	22.95	16.58	26.59	14.88	11.25	1.23	1.61	115.61
71	0.00	0.00	0.00	0.00	7.11	31.02	16.79	24.17	9.13	7.72	1.54	0.00	97.48
72	0.00	0.00	0.00	2.48	5.86	18.71	22.28	22.56	7.87	2.60	4.84	0.35	87.5

C L I M A T O L O G I C A L D A T A F O R R A N G O O N

I - 0930 BST, II - 1830 BST (1950 - 1970).

Climatological data	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual or Ay.
	0.083	0.083	0.24	0.28	12.11	21.31	21.81	22.88	16.01	8.43	1.55	0.64	
Rainfall (inches)	0.083	0.083	0.24	0.28	12.11	21.31	21.81	22.88	16.01	8.43	1.55	0.64	105.43
No. of rainy days	0.21	0.38	0.26	0.81	14.65	22.15	24.11	24.11	21.01	11.88	2.28	1.12	122.94
Max. rainfall in 24 in inches	2.91	1.91	2.87	14.22	9.05	8.86	5.45	5.27	6.30	5.26	5.94	4.02	14.22
Max. temp. F	100 F	101	104	106	105	98	95	96	94	96	98	96	106 F
Min. temp. F	55 F	54	61	68	64	71	70	68	68	70	61	55	54 F
Mean temp. F	78.0 F	81.4	84.6	87.4	84.6	81.0	80.1	80.6	81.1	81.5	81.9	76.4	81.3
Relative Humidity (%)	I	71	72	74	71	80	89	89	87	83	79	75	-
	II	51	53	54	64	79	88	89	86	77	73	61	
No. of days of thunder storm	8.0	1.4	0.1	3.2	12.3	5.8	3.7	3.2	4.1	5.3	1.3	0.2	39.7
Sunbright hours	300.3	272.0	290.1	292.2	180.8	80.1	76.5	92.3	97.4	212.7	281.3	288.2	2052.3
Max wind speed (m.p.h.)	20	30	28	44	65	52	48	49	42	66	36	38	66
No. of misty days	2.1	3.0	4.2	0.3	0.2	0.0	0.01	0.0	0.0	0.8	0.1	1.3	13.1

AV. WIND VELOCITY

MONTHS		FREQUENCY - %									VELOCITY m.p.h.
		N	NE	E	SE	S	SW	W	NW	CIAM	
JAN.	I	33	46	8	3	1	1	2	6	1	4.6
	II	15	6	4	17	14	9	12	16	6	
FEB.	I	18	31	11	8	3	3	11	9	6	4.5
	II	5	1	1	16	27	19	16	10	4	
MAR.	I	1	9	7	16	10	19	16	9	8	4.6
	II	0	1	1	19	39	31	8	2	0	
APR.	I	5	3	4	9	8	29	28	7	8	5.3
	II	0	1	0	12	40	36	9	1	1	
MAY	I	2	6	5	18	12	27	21	6	3	5.2
	II	1	1	0	11	27	40	14	4	2	
JUNE	I	1	2	4	14	21	44	9	2	4	5.2
	II	1	0	1	7	21	53	12	2	4	
JULY	I	0	1	3	11	24	43	13	2	3	5.0
	II	1	1	0	7	23	52	11	2	3	
AUG.	I	1	1	3	9	18	46	16	2	4	4.7
	II	0	0	0	3	18	46	16	2	5	
SEP.	I	3	8	6	14	14	32	16	2	4	4.3
	II	1	2	2	9	20	39	16	4	8	
OCT.	I	10	24	17	14	9	12	6	4	3	4.1
	II	4	4	6	16	16	22	12	7	12	
NOV.	I	25	44	15	5	1	1	1	5	2	5.1
	II	17	14	9	12	11	8	7	15	9	
DEC.	I	35	44	9	4	0	1	2	4	1	4.4
	II	23	13	6	14	2	6	8	11	7	

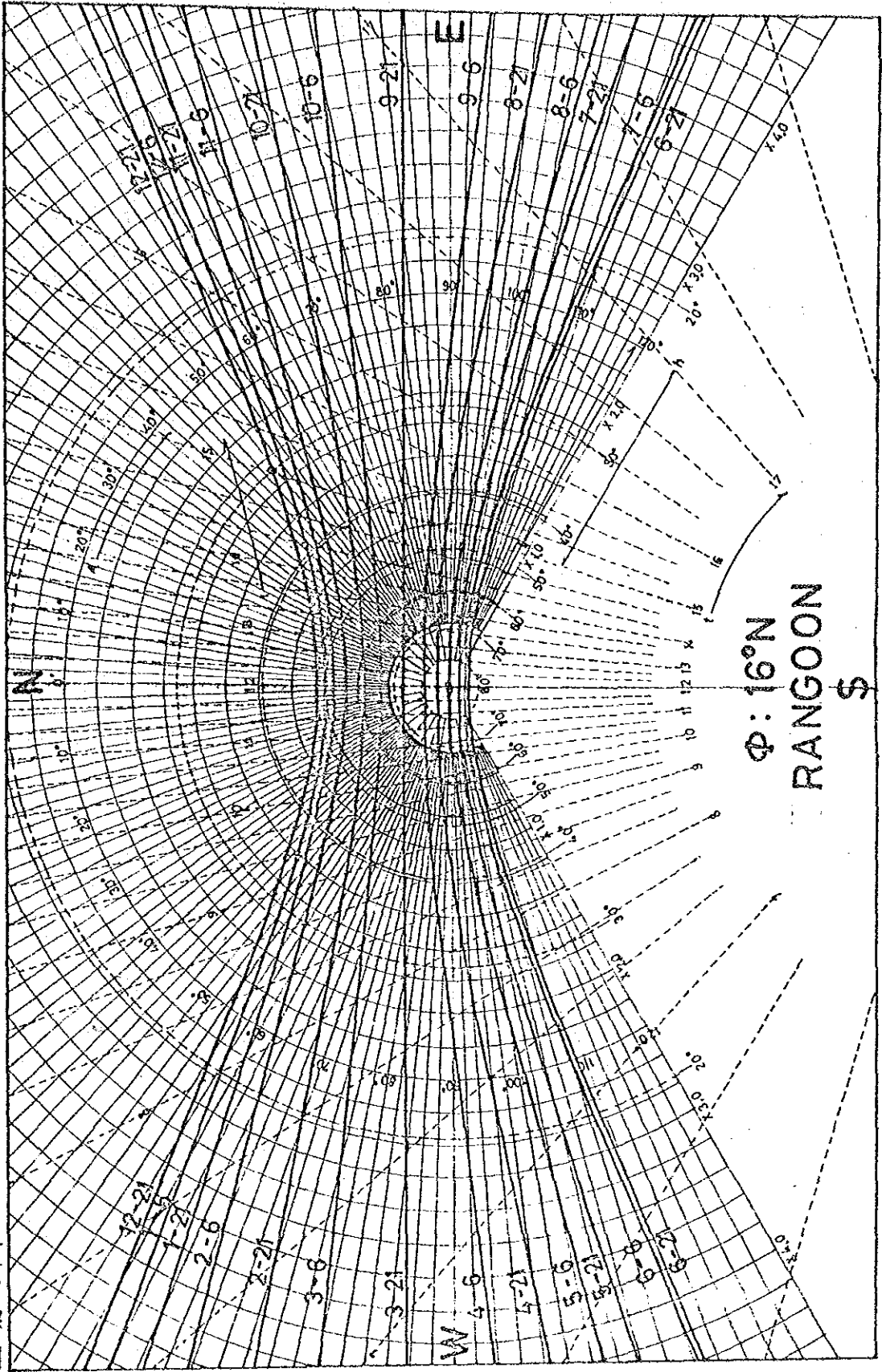
I 0930 BST
 II 1830 BST

AV Value of 1881 - 1940

MAX WIND SPEED GREATER THAN 40 m.p.h.
 (1961 - 1971)

Year	Wind Speed	Direction	Year	Wind Speed	Direction
APRIL 1961	40 m.p.h.	W	JULY 1965	45 m.p.h.	WSW
68	44 "	SE	67	48 "	SW
69	44 "	NNW	68	40 "	W
MAY 1961	52 m.p.h.	ESE	71	44 "	NW
62	43 "	SSE	71	42 "	NW
63	50 "	W			
65	43 "	SW	AUG. 1963	41 m.p.h.	W
65	63 -	N	63	44 "	W
66	45 -	WNW	65	42 "	W
67	65 -	SE	65	45 "	WNW
67	45 "	W	67	49 "	NW
67	62 "	NW	67	40 "	WNW
68	42 "	SE	67	41 "	WSW
68	46 "	SW	68	42 "	NW
68	42 "	SE	68	41 "	W
70	42 "	N	69	41 "	SSW
71	41 "	SE	69	45 "	WNW
71	42 "	N			
JUNE 1961	46 m.p.h.	SW	SEPT. 1963	41 m.p.h.	NE
62	43 "	SW			
62	42 "	WSW	OCT. 1963	45 m.p.h.	SE
63	41 "	W	63	66 "	S
65	44 "	W	65	42 "	S
68	52 "	SW			
68	40 "	SW			
68	50 "	WSW			
70	45 "	WNW			
71	40 "	WSW			

日影曲線



SEISMICITY OF SOME OF THE TOWNS AND CITIES OF BURMA

(SEIN SHWE U)

RANGOON

Rangoon lies in a fairly active seismic zone of Burma. Many slight earthquakes, a few attain moderate intensities originated in its vicinity. As far as it can be recollected, those occurring on 23-7-1884 has attained moderated intensity and those of 1884 has destroyed building in Rangoon. Those occurring more recently were on 17-12-1972 which had attained an intensity of 6 MM to 7 MM. The latest moderate earthquake was the one that occurred on 9-2-1969 with an intensity of about 6 MM. where slight damage to a building was reported.

The Pegu earthquake of 5-5-1930 has also caused some damage to building in Rangoon resulting in 50 deaths.

It was thus believed that some line of weakness was below the earthsurface in the vicinity of Rangoon, which occasionally responds to earth movement.

Judging from the damage done by earthquake to buildings in Rangoon at one time or another, the intensities so far recorded did not seem to exceed 8 MM. Therefore it can be assumed that the max, intensity that can be attained in the event of earthquake is 8 MM. which corresponds to ground acceleration of 15%G.

5-4 電力関係データ(4-1-10関連)

ビルマの発電状況

電 力 源	現 在	1972/73 未 確 認	1973/74 未 確 認	1974/75 未 確 認	総 計
1. 水 力	8 4,4 5 0				1 6 8,4 5 0
○バルーチャウン	8 4,0 0 0				8 4,0 0 0
○ウエウン(メイミヨウ)	4 5 0				4 5 0
○モービエー			8 4,0 0 0		8 4,0 0 0
2. 火 力	5 7,7 5 0				5 7,7 5 0
○アーロン	3 5,0 0 0				3 5,0 0 0
○ユワマ	2 0,0 0 0				2 0,0 0 0
○モヲユワ	2,7 5 0				2,7 5 0
3. ディーゼル	5 4,3 2 0				6 4,3 2 0
○アーロン	5,0 0 0	1 0,0 0 0			1 5,0 0 0
○地 方	4 9,3 2 0				4 9,3 2 0
4. 天然ガス					8 0,0 0 0
○チュンチャウン		4 0,0 0 0			4 0,0 0 0
○ミヤンアウン				4 0,0 0 0	4 0,0 0 0
計	1 9 6,5 2 0	5 0,0 0 0	8 4,0 0 0	4 0,0 0 0	3 7 0,5 2 0

ビルマの発電及び販売量

販売量 (百万KW)

年 度	発 電 量 (百万KW)	一 般 用	工 業 用	家 庭 用	計
1960-61	288.6	81.9 (39%)	73.8 (36%)	51.6 (25%)	207.3 (100%)
1961-62	323.9	87.6 (38%)	84.8 (37%)	58.8 (25%)	231.2
1962-63	357.4	99.8 (37%)	106.9 (40%)	59.7 (23%)	266.4
1963-64	363.7	100.7 (40%)	97.8 (38%)	56.9 (22%)	255.4
1964-65	379.8	106.8 (40%)	106.8 (40%)	56.7 (20%)	269.5
1965-66	382.5	108.5 (41%)	99.0 (37%)	57.9 (21%)	255.4
1966-67	387.2	114.1 (41%)	104.7 (38%)	58.3 (21%)	277.1
1967-68	410.6	117.5 (40%)	114.9 (39%)	60.9 (21%)	293.3
1968-69	436.2	126.5 (40%)	118.7 (38%)	66.2 (21%)	311.4
1969-70	468.6	133.0 (40%)	127.9 (39%)	68.2 (21%)	329.1
1970-71	541.0	120.8 (35%)	156.6 (45%)	71.5 (20%)	348.9

ELECTRIC POWER CORPORATION.
RANGOON.

1. GENERAL PURPOSE.
 - 1 to 100 Units a month 42 pyas per unit.
 - to 400 Units a month 38 pyas per unit.
 - All over 400 Units a month 36 pyas per unit.
2. DOMESTIC POWER.
 - 1 to 50 Units a month 25 pyas per unit.
 - All over 50 Units a month 15 pyas per unit.
3. SMALL POWER.
 - 1 to 100 Units a month 25 pyas per unit.
 - 101 to 300 Units a month 20 pyas per unit.
 - All over 300 Units a month 17 pyas per unit.
4. INDUSTRIAL.
 - First 40 Units per K.W. of Maximun demand per month.
 - (Minimum of 50 K.W.) - 17 pyas per unit.
 - Next 2,000 UNits a month - 15 pyas per unit.
 - Next 10,000 Units a month - 12 pyas per unit.
 - Next 30,000 Units a month - 10 pyas per unit.
 - All over units a month - 8 pyas per unit.
5. COMNERCIAL.
 - First 40 Units per K.W. of Maximun demand per month.
 - (Minimum of 50 K.W.) - 36 pyas per unit.
 - Next 2,000 Units a month - 20 pyas per unit.
 - Next 10,000 Units a month - 14 pyas per unit.
 - Next 30,000 Units a month - 10 pyas per unit.
 - All over units a month - 10 pyas per unit.
6. STRELT LIGHT.
 - 40 to 50 Watt at K.6/50 per lamp per month.
 - 60 to 75 Watt at K.12/- per lamp per month.
 - 100 to 160 Watt at K.15/- per lamp per month.
 - 160 to 265 Watt at K.21/- per lamp per month.
 - 265 to 450 Watt at K.28/- per lamp per month.
 - K.5/- loss for over and above 1,000 lamps.
7. TEMPORARY LIGHTING.
 - For metered connections came as General Purpose.

D I S T R I C T S.

(A) OTHER THAN PEGU, THARAWADDY, PROME DISTRICTS & LOID

1. GENERAL PURPOSE. 1 to 100 Units a month 42 pyas per unit.
101 to 400 Units a month 38 pyas per unit.
All over 400 Units a month 36 pyas per unit.
2. SMALL POWER. 1 to 100 Units a month 25 pyas per unit.
101 to 300 Units a month 20 pyas per unit.
All over 300 Units a month 17 pyas per unit.
3. INDUSTRIAL. (Minimum of 2,000 UNITS).
1 to 200 Units a month 25 pyas per unit.
201 to 2000 Units a month 20 pyas per unit.
All over 2000 Units a month 15 pyas per unit.
4. BULK. (Minimum of 500 Units).
1 to 500 Units a month 50 pyas per unit.
501 to 5000 Units a month 40 pyas per unit.
All over 5000 Units a month 30 pyas per unit.
5. STREET LIGHT. One 25 Watt lamp at K.4/- per month.
One 40 Watt lamp at K.5/50 per month.
Every additional 10 Watt K.-/50 per month.
Mercury lamp 80 Watt lamp at K.12/- per month
Every additional 10 Watt K.1/- per month.
Florescent lamp 40 Watt lamp at K.7/- per month.
Every additional 10 Watt K.-/75 per month.
6. SPECIAL. One 25 Watt lamp at K.3/- per month.
7. FLAT. One 40 Watt lamp at K.5/- per month.
Every additional 10 Watt K.-/50 per month.
8. TEMPORARY LIGHTING. For metered connections same as General Purpose. For point connections one 40 watt at K.1/- per point per night and every additional 10 watt K.-/25 pyas per

(B) PEGU, THARAWADDY, PROME DISTRICTS AND LOIKAW ONLY.

1. GENERAL PURPOSE. . 1 to 100 Units a month 42 pyas per unit.
101 to 400 Units a month 38 pyas per unit.
All over 400 Units a month 36 pyas per unit.
2. SMALL POWER. . 1 to 100 Units a month 25 pyas per unit.
101 to 300 Units a month 20 pyas per unit.
All over 300 Units a month 17 pyas per unit.
3. INDUSTRIAL. (Minimum of 2,000 Units).
1 to 200 Units a month 22 pyas per unit.
201 to 2000 Units a month 17 pyas per unit.
All over 2000 Units a month 12 pyas per unit.
4. BULK. (Minimum of 500 Units).
1 to 500 Units a month 50 pyas per unit.
501 to 5000 Units a month 40 pyas per unit.
All over 5000 Units a month 30 pyas per unit.
5. STREET LIGHT. One 25 Watt lamp at K.4/- per month.
One 40 Watt lamp at k.5/50 per month.
Every additional 10 Watt K.-/50 per month.
Mercury lamp 80 Watt lamp at K.12/- per month
Every additional 10 Watt K.1/- per month.
Florescent lamp 40 Watt lamp at K.7/- per month.
Every additional 10 Watt K.-/75 per month.
6. SPECIAL. One 25 Watt lamp at K.3/- per month.
7. FLAT. One 40 Watt lamp at K.5/- per month.
Every additional 10 Watt K.-/50 per month.
8. TEMPORARY LIGHTING. For metered connections same as General Purpose. For point connections one 40 Watt K.1/- per point per night and every additional 10 Watt K.-/25 pyas per night.

