





# FIG.6-3 DRILLING LOG

Project No. 597      Project Soil Investigation for Primary School, Republic of Maldives      Type of Drilling  
 Hole Number BH-3      Elevation TBM -0.946 m      Date 20.7.87  
 Water Table GL -0.55 (at 0930)m      Driller Wong (Chen)

Remarks

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Colour	Relative Density or Consistency	General Remarks	Sampling		Standard Penetration Test or Core Recovery									
									Depth in m	Sample No.	N-Value	Blows Per Each 10cm			N-Value					
												10cm	10cm	10cm	10	20	30	40	50	
	-0.95	0.00																		
1	-2.10	1.15	1.15	(Symbol)	Gravelly Sand	Light brown	-	With gravels & boulders (max. size 200mm)	1.15	P-1	4	1	1	2						
2									2.15		50/19	27	9							
3									2.34	P-2										
4									3.15	P-3	20	9	6	5						
5	-6.10	5.15	4.00	(Symbol)	Medium to coarse Sand with Gravel	Light brown	Loose	Sand is composed of shell fragments and coral. Gravel size is 3 to 50mm	3.45											
6									4.15	P-4	11	3	5	3						
7									4.45											
8									5.15	P-5	6	2	2	2						
9									5.45											
10									6.15	P-6	7	2	3	2						
11									6.45											
12									7.15	P-7	4	2	1	1						
13									7.45											
14									8.15	P-8	6	2	2	2						
15	-9.95	9.00	3.85	(Symbol)	Fine Sand	Milky white	Loose	With coral. Gravel size 30mm. Loose and high water content.	8.45											
16									9.15	P-9	6	2	2	2						
17									9.45											
18									10.15	P-10	50/19	31	19	4						
19									10.50											
20										C-1										
21									12.00											
22										C-2										
23									13.50											
24										C-3										
25	-15.95	15.00	4.50	(Symbol)	Coral Rock	Light yellowish brown	-	Core length is 50 to 250mm. Friable by hammer. Hard coral	15.00											
26																				
27																				
28																				
29																				
30																				
31																				

# FIG. 6-4 DRILLING LOG

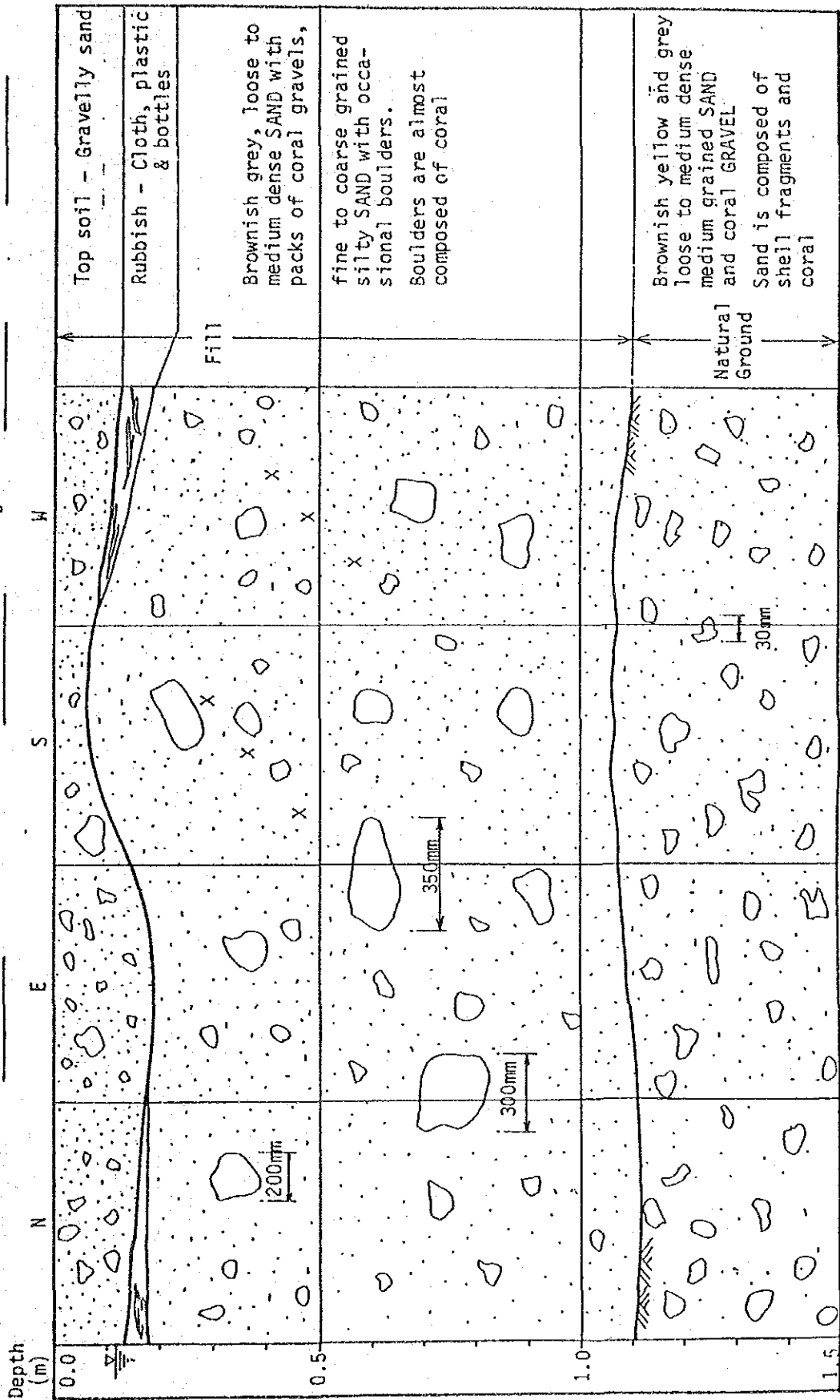
Project No. 597      Project Soil Investigation for Primary School, REPUBLIC OF MALDIVES  
 Note Number BH-4      Elevation TBM -0.933 m      Date 19.7.87  
 Water Table GL -0.3 (at 0930) m      Driller Hong (Chen)

Remarks

Scale in m.	Elevation in m.	Depth in m.	Thickness in m.	Legend	Type of Soil	Colour	Relative Density or Consistency	General Remarks	Sampling		Standard Penetration Test or Core Recovery									
									Depth in m.	Sample No.	Blows Per Each 10cm	N-Value								
												10cm	15cm	10cm	15cm	10cm	15cm			
	-0.93	0.00																		
1	-2.08	1.15	1.15	○○○○	Gravelly Sand	Light brown		Fine to medium grained & coral gravels	1.15	P-1	6	2	2	2						
2									1.45											
3						Brownish grey		Sand is composed of shell fragment and coral	2.15	P-2	33	10	11	12						
4									2.45											
5									3.15	P-3	17	6	5	6						
6									3.45											
7									4.15	P-4	8	3	3	2						
8									4.45											
9									5.15	P-5	20	4	4	8						
10									5.45											
11									6.15	P-6	7	3	2	2						
12									6.45											
13									7.15	P-7	23	10	8	5						
14									7.45											
15									8.15	P-8	16	7	6	3						
16									8.45											
17									9.15	P-9	11	5	3	3						
18	-10.98	10.05	8.90	○○○○	Medium to coarse Sand with gravel	Light brown	Loose to medium dense	Size of gravel becomes greater with depth. Maximum size 150mm	9.45											
19									10.15	P-10	50/11	50/11								
20									10.26											
21									11.15	P-11	50/13	39	11/3							
22	-12.93	12.00	1.95	○○○○	Coral Sandy Gravel	Light brown	Very dense	Coral is soft and porous	11.28											
23									12.15	P-12	50/10	50								
24									12.25											
25									13.00											
26									14.00	C-1										
27									15.00	C-2										
28	-15.93	15.00	3.00	○○○○	Coral Rock	Light brown		Coral after 12.50m is hard												
29																				
30																				
31								End of Drilling												

# DESCRIPTION OF TEST PIT

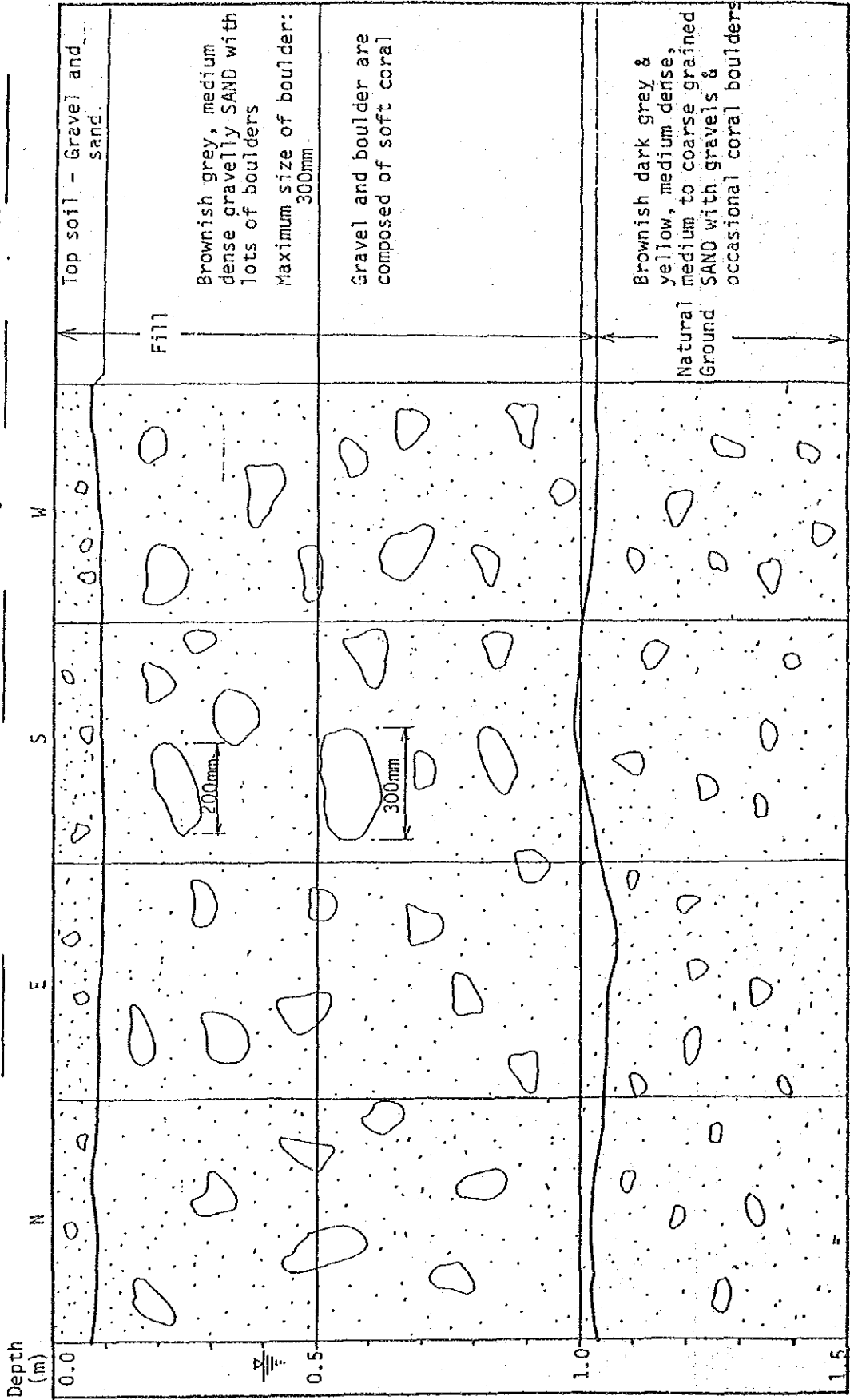
Project: Soil Investigation for Primary School, Republic of Maldives  
 Test Pit No.: PL-1  
 Ground Elevation: TBM -1.092m Test Elevation: TBM -2.29m Engineer: Chen  
 Date: 16.7.87



N, E, S, W Indicate 4 Phases of Pit

# FIGURE 6-6 DESCRIPTION OF TEST PIT

Project: Soil Investigation for Primary School, Republic of Maldives  
 Test Pit No.: PL-2  
 Ground Elevation: IBM -1.029m Test Elevation: IBM -2.23m Engineer: Chen  
 Date: 18.7.87



N F S W Indicate 4 Phases of Pit

# FIGURE 6-7 DESCRIPTION OF TEST PIT

Project No.: 597

Project: Soil Investigation for Primary School, Republic of Maldives  
 Test Pit No.: PL-3  
 Date: 17.7.87  
 Ground Elevation: TBM -0.965m  
 Test Elevation: TBM -2.37m  
 Engineer: Chen

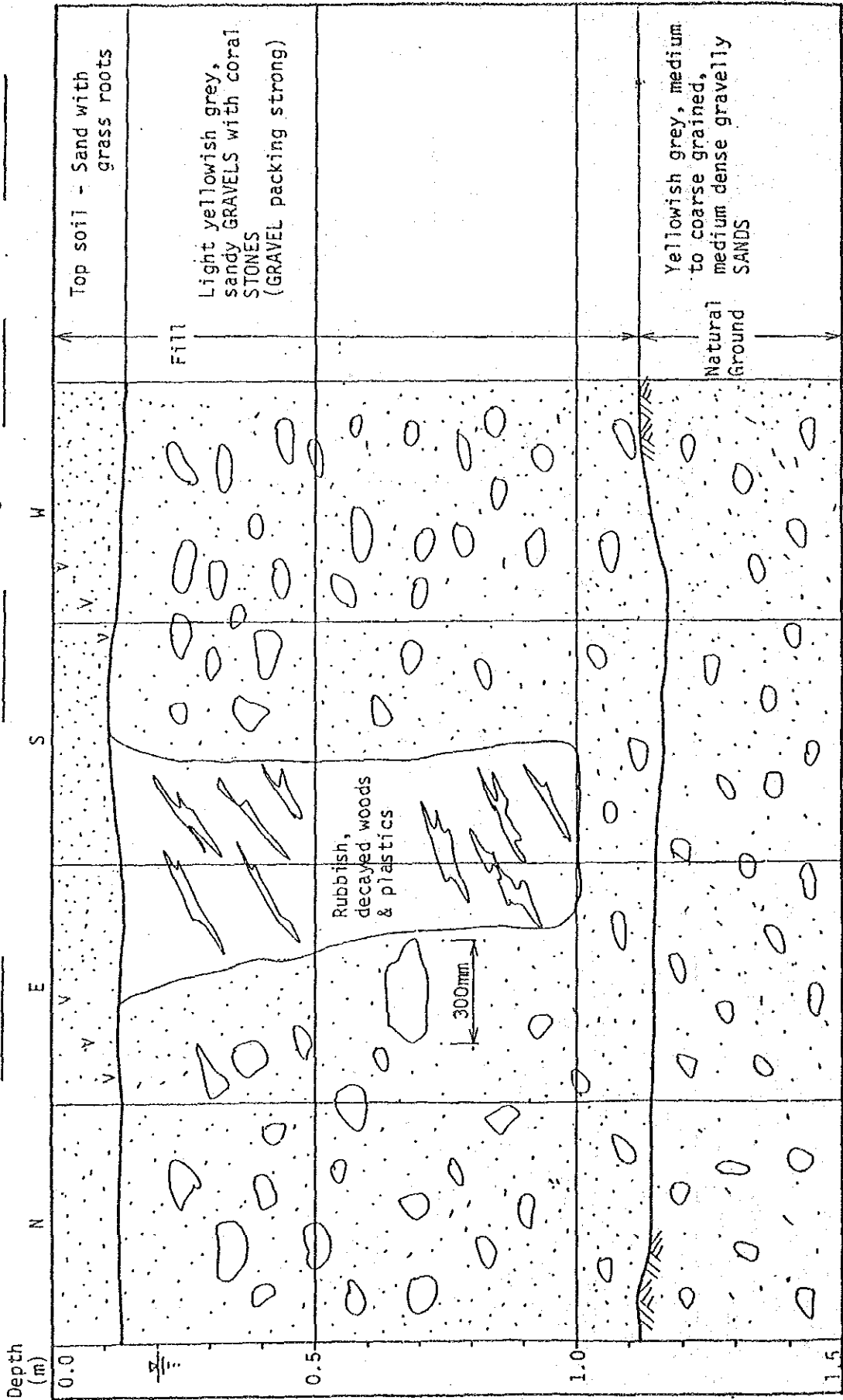


N E C W Indirata A Director of Dir



# FIGURE 6-8 DESCRIPTION OF TEST PIT

Project: Soil Investigation for Primary School, Republic of Maldives  
 Test Pit No.: PL-4  
 Ground Elevation: TBM -0.895m Test Elevation: TBM -2.10m Engineer: Chen  
 Date: 17.7.87



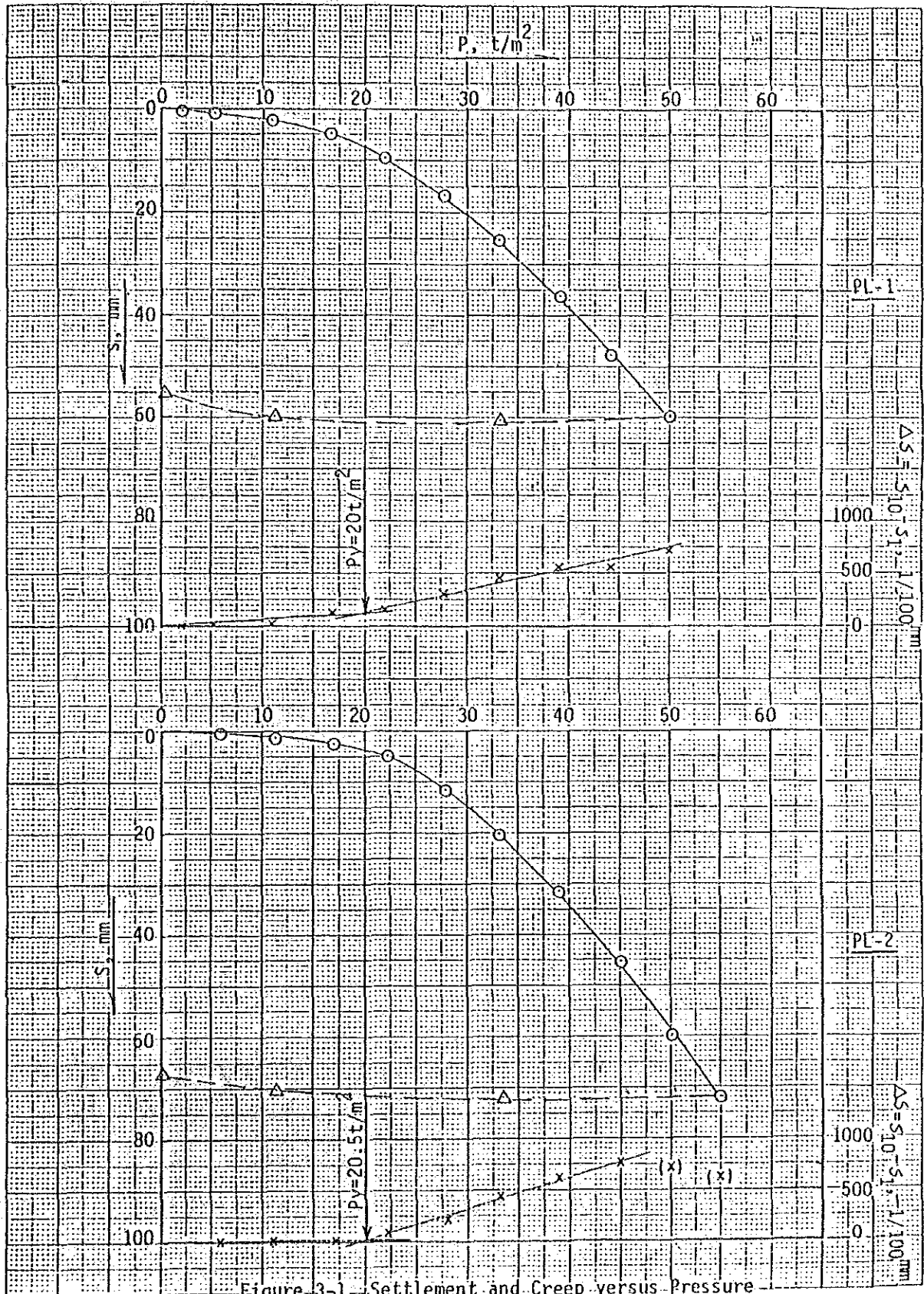


Figure 3-] Settlement and Creep versus Pressure

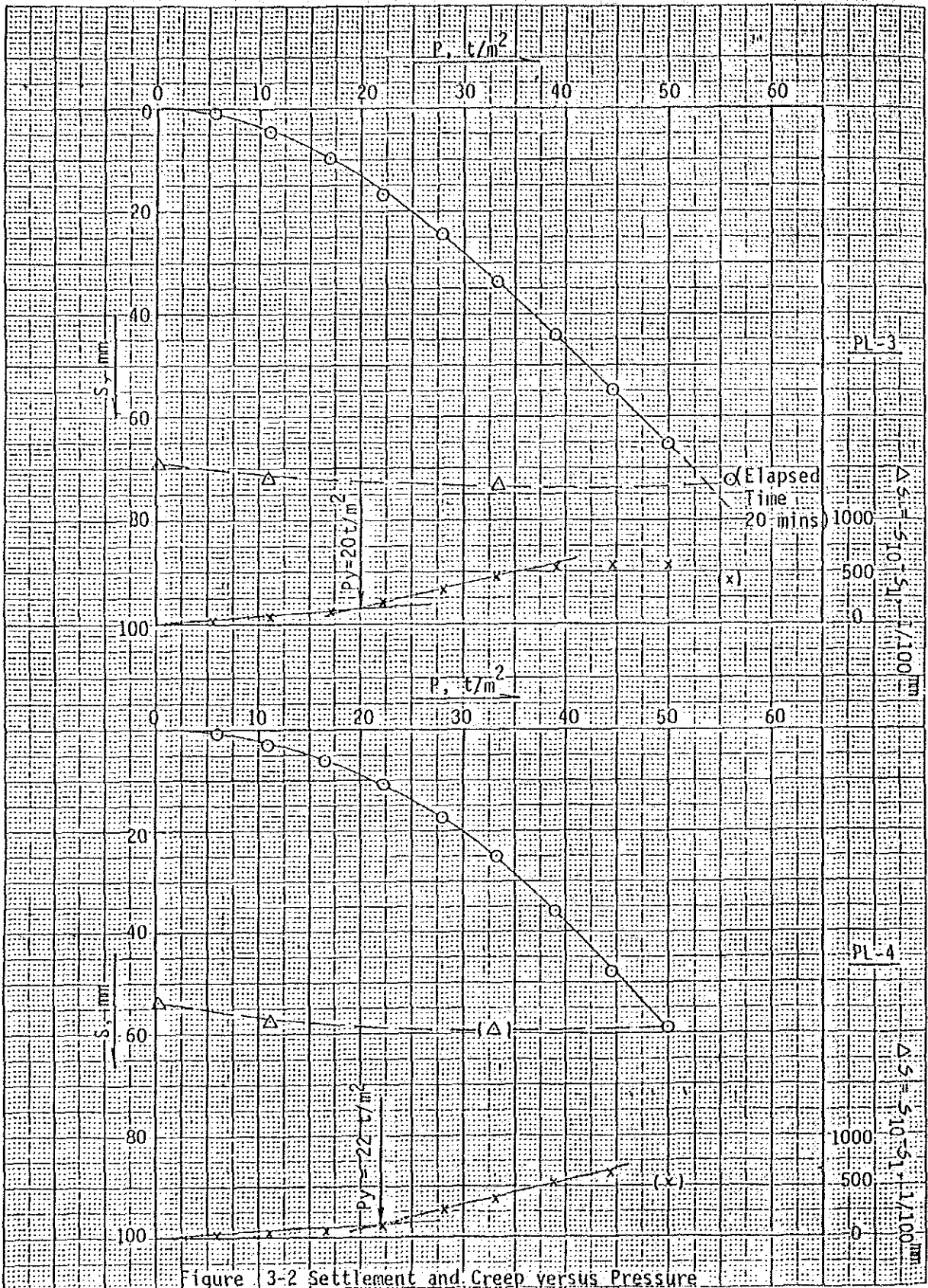


Figure 3-2 Settlement and Creep versus Pressure

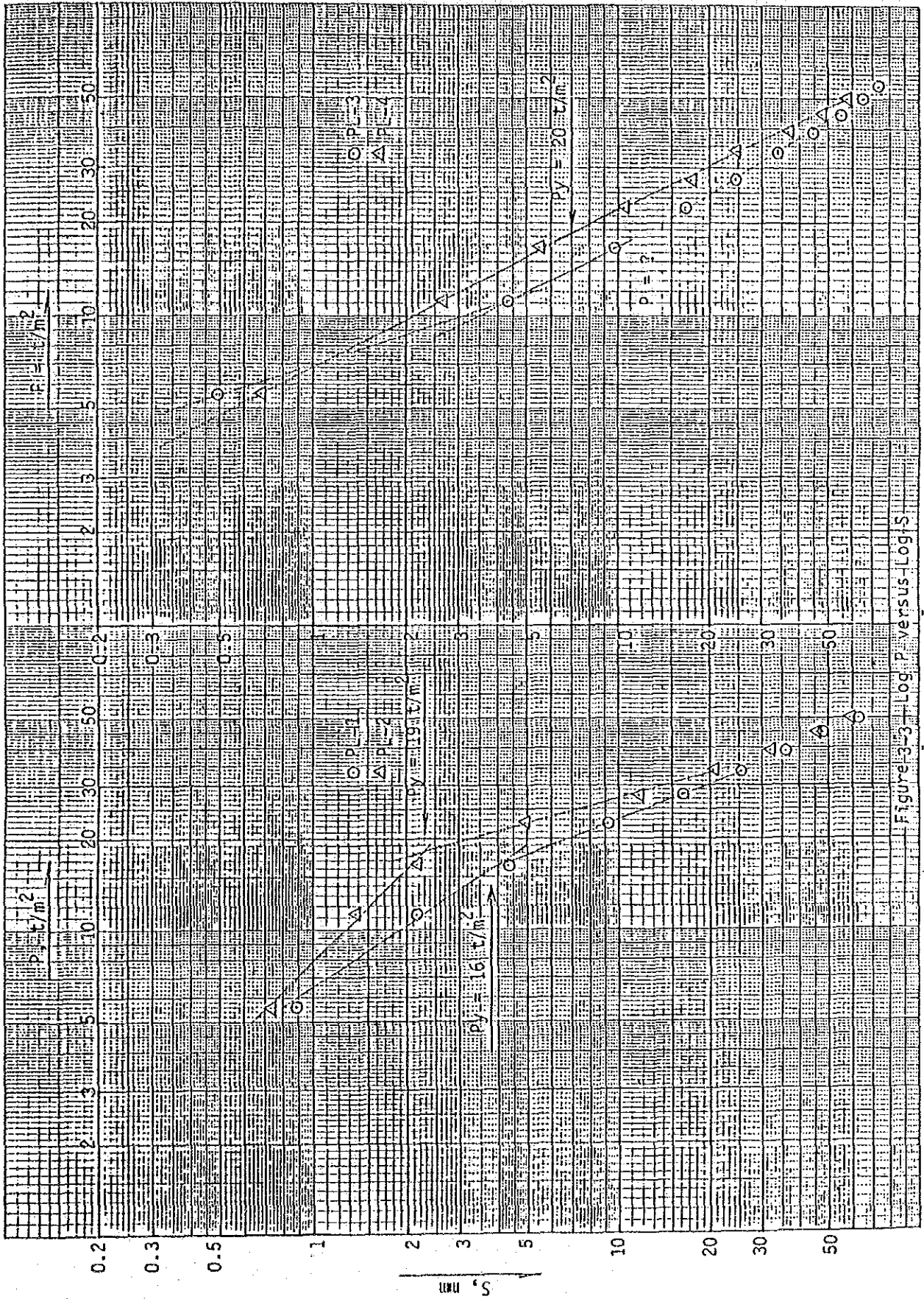


Figure 3-3—Log P versus Log S

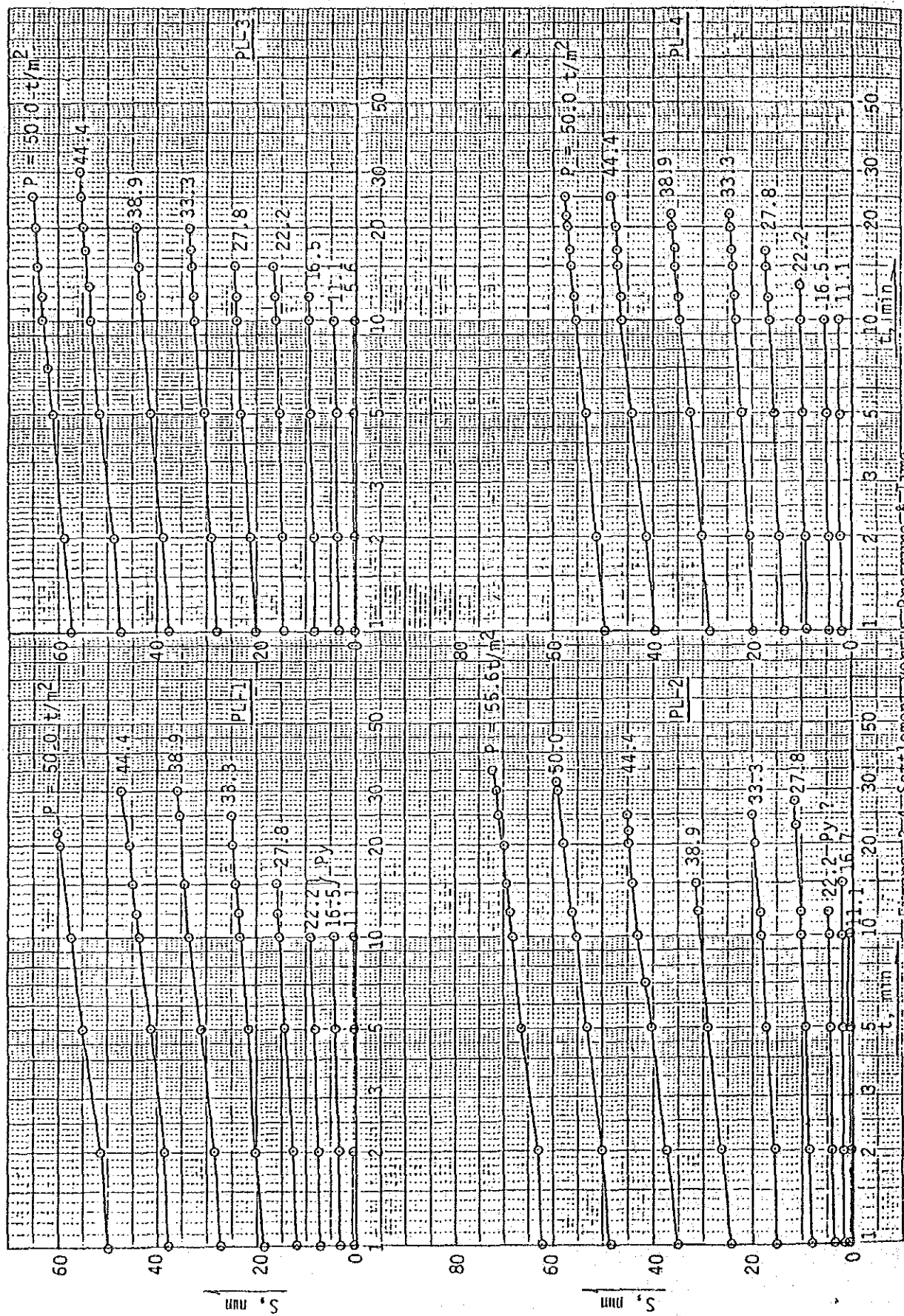


Figure 3-4 Settlement versus Pressure & Time

Table 4 Results of Yield Pressure

Test No. & Depth	Py, Yield Pressure (t/m <sup>2</sup> )		
	Creep Method	Log Curve	Semilog Curve
PL-1 (1.2m)	20.0	16.0	16.5 - 22.2
PL-2 (1.2m)	20.5	19.0	?
PL-3 (1.4m)	20.0	?	16.5 - 22.2
PL-4 (1.2m)	22.0	20.0	22.2 -(27.8)

付属資料6 気象データ

表1-1 モルディブの月別の平均気温

	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月
月別 平均気温	27.5	27.7	28.4	28.7	28.7	28.3	28.0	27.9	28.0	27.6	27.0	27.5
月別 最高気温	29.7	30.1	30.9	31.4	30.9	30.5	30.1	30.1	30.1	30.0	29.9	29.7
月別 最低気温	25.5	25.7	26.0	26.4	26.4	25.9	25.6	25.6	25.3	25.3	25.3	25.2

出典: Some Meteorological Data  
1967年~1985年の記録

表1-2 首都マレーの月別平均気温

月	1	2	3	4	5	6	7	8	9	10	11	12
温度(°C)	29	30	31	31	31	31	30	30	29	30	30	30

出典: 世界各国便覧叢書(アジア編)

表1-3 モルディブの月別平均湿度(1985年)

月	1	2	3	4	5	6	7	8	9	10	11	12
湿度(%)	79	78	77	80	80	80	78	79	80	82	81	81

出典: Some Meteorological Data

表1-4 過去5年月の月別雨量 (in Millimeter)

年月	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL
1981	97.5	22.3	123.5	42.6	280.6	100.4	48.8	160.5	232.8	125.4	180.6	225.8	1,640.8
1982	30.8	TR	61.4	64.3	250.3	193.2	173.2	146.1	221.7	210.3	562.9	404.7	2,318.9
1983	33.1	2.8	129.3	22.3	328.5	213.0	123.5	263.5	160.2	64.3	115.6	211.5	1,640.6
1984	163.0	130.9	264.5	166.5	99.5	84.6	216.0	157.4	115.4	96.8	391.8	26.9	1,973.3
1985	220.6	177.5	131.0	206.4	112.3	180.8	55.1	119.6	132.0	218.7	174.7	174.1	1,902.8
平均	109.0	66.7	141.9	100.4	214.2	154.4	135.3	164.0	172.4	143.1	285.1	208.6	1,895.3

出典: STATISTICAL YEAR BOOK OF MALDIVES 1986

※ TR: 極めて微量な雨を意味する



表 1-5 首都マレーの月別平均雨量

月	1	2	3	4	5	6	7	8	9	10	11	12
雨量 (ミリ)	47	65	5	96	211	159	229	137	343	319	150	137

出典：世界各国便覧叢書（アジア編）

表 1-6 月別平均風速(m/sec) (1967~1983年観測平均)

月	1	2	3	4	5	6	7	8	9	10	11	12
m/sec	5.4	4.47	3.34	3.0	5.14	4.89	4.68	4.42	5.23	4.9	4.4	4.78

表 1-7 1985年の風向日平均 (%)

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	無風	VRB
1月	1	3	43	21	14	1	2	0	-	-	0	0	1	2	6	1	2	1
2月	11	12	33	6	2	1	-	-	0	0	1	-	0	2	11	11	5	4
3月	6	7	10	14	11	3	2	0	0	2	0	3	8	8	9	4	9	4
4月	3	1	3	2	2	-	1	-	1	1	14	10	30	13	11	5	1	1
5月	4	-	-	-	-	-	-	-	1	1	9	14	35	11	15	5	4	1
6月	-	-	-	-	-	-	-	-	2	9	12	53	22	2	1	-	-	-
7月	0	-	-	-	-	-	-	-	-	1	7	12	43	27	8	-	2	-
8月	-	-	-	-	-	-	-	0	9	9	7	6	25	20	20	2	1	-
9月	-	-	0	-	0	-	-	-	-	2	5	7	29	39	15	3	1	-
10月	1	1	2	-	1	-	1	-	-	0	3	15	29	21	21	2	2	0
11月	4	1	15	2	1	-	1	-	-	2	7	7	23	12	10	5	9	1
12月	2	7	33	17	9	2	2	0	1	-	1	5	5	1	3	2	5	4

出典：Some Meteorological Data 1966 ~1985

表 1-8 月別日照時間(hrs) (1984年度観測)

月	1	2	3	4	5	6	7	8	9	10	11	12	平均
hrs.	181.0	205.3	233.0	217.5	231.9	182.4	209.4	228.5	226.2	262.1	195.6	282.0	221.2







JICA