

Unconfined Compression Test on a Rock Core Sample

Location	Sub-section A"-B						Sub-section B-A				
	1	2	3	4	5	6	1	2	3	4	
Specimen No.											
Sample Depth (m)	16.85 - 17.1		17.1 - 17.4		17.4 - 17.6		32.5 - 32.7		33.0 - 33.3		
Diameter of the Specimen (mm)	35	35	35	35	35	35	35	35	35	35	35
Height of the Specimen (mm)	70	70	69	70	66	67	71	70	69	69	69
Crushing Strength (kg/cm <sup>2</sup> )	780	843	980	865	632	600	210	316	843	949	
Bulk Density (g/cm <sup>3</sup> )	2.68	2.61	2.55	2.60	2.67	2.69	2.50	2.66	2.64	2.59	



**F.3 Results of Laboratory Soil Tests on Samples from Setapak**

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Summary of Soil Test (Setapak)

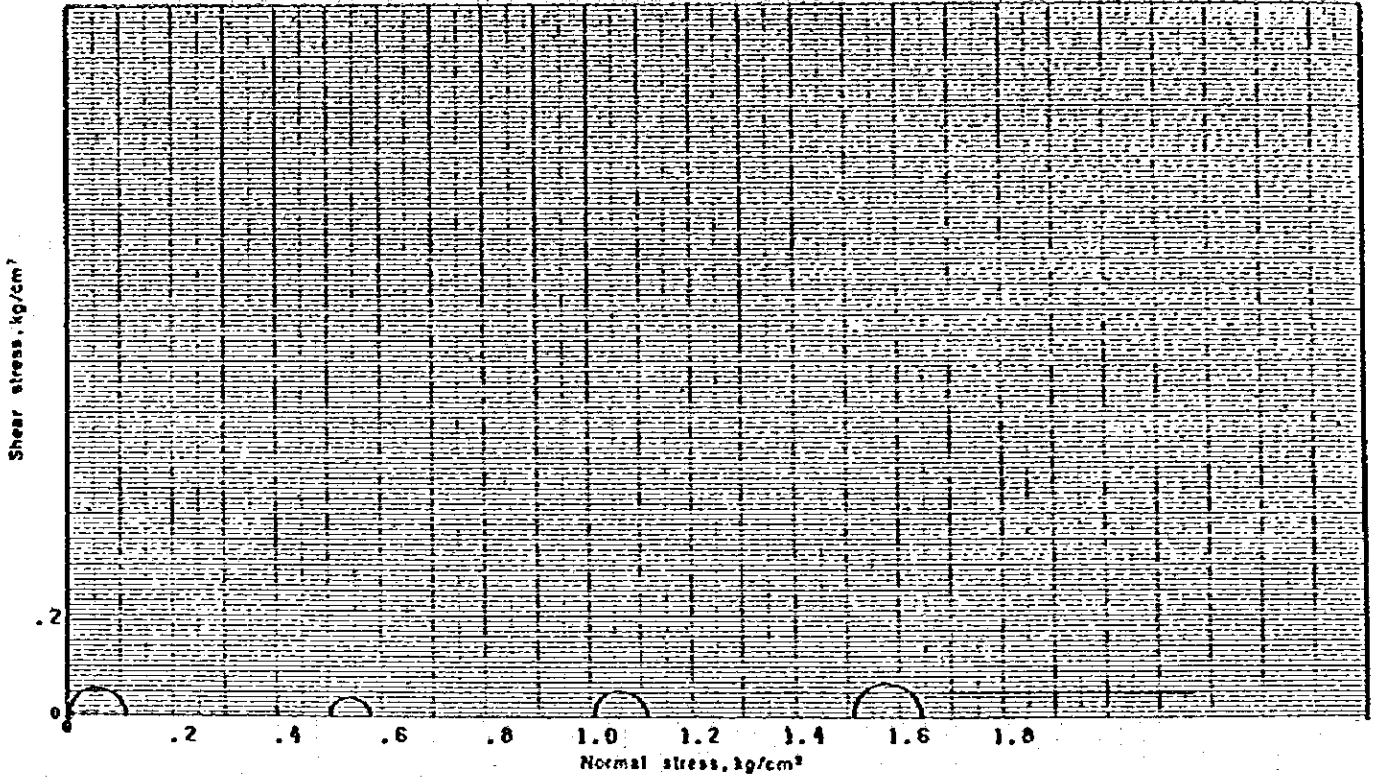
Boring No.	PBH-1				PBH-2				PBH-3				PBH-4						
	UD-1	UD-2	UD-3	UD-4	UD-5	UD-6	UD-7	UD-7	UD-1	UD-2	UD-3	UD-1	UD-2	UD-2	UD-2	UD-2	UD-2	UD-3	UD-4
Sample No.	0.50m	1.30m	2.00m	3.50m	5.80m	7.00m	8.50m	8.50m	1.00m	1.20m	1.45m	1.20m	1.45m	1.20m	1.45m	1.20m	1.45m	1.20m	1.45m
Sample depth	0.50m	1.30m	2.00m	3.50m	5.80m	7.00m	8.50m	8.50m	1.00m	1.20m	1.45m	1.20m	1.45m	1.20m	1.45m	1.20m	1.45m	1.20m	1.45m
Condition of sample	UD	UD	UD	UD	UD	UD	UD	UD	UD	UD	UD	UD	UD	UD	UD	UD	UD	UD	UD
Natural water content, %	61.8	76.1	46.0	40.4	44.2	41.9	63.4	29.0	22.0	50.0	40.3	61.2	44.8	45.4	26.9	33.0	39.1	28.1	36.7
Specific gravity	2.593	2.639	2.657	2.640	2.666	2.634	2.620	2.622	2.626	2.566	2.692	2.647	2.643	2.619	2.628	2.865	2.644	2.673	2.664
Wet density, g/cm <sup>3</sup>	1.62	1.58	1.78	1.78	1.77	1.79	1.66	1.92	2.02	1.69	1.78	1.60	1.79	1.76	1.95	1.94	1.81	1.90	1.86
Dry density, g/cm <sup>3</sup>	1.00	0.90	1.22	1.27	1.23	1.26	1.02	1.49	1.66	1.13	1.27	0.99	1.24	1.21	1.54	1.46	1.30	1.48	1.45
Natural void ratio	1.59	1.94	1.18	1.08	1.17	1.09	1.58	0.76	0.59	1.27	1.12	1.67	1.14	1.16	0.71	0.96	1.03	0.80	0.96
Degree of saturation	100	100	100	99	100	100	99	100	99	100	97	97	100	100	100	98	100	93	100
Atterberg limits	50.5	52.7	61.8	56.5	44.7	45.6	82.4	41.9	-	58.5	33.3	61.0	43.8	53.8	61.0	66.6*	42.0	-	35.1
Plasticity index	22.6	21.1	21.9	21.7	17.2	17.8	30.3	18.3	-	27.4	16.2	23.1	16.7	20.4	22.8	26.9	17.2	-	15.6
Gravel, %	27.9	31.6	39.9	34.8	27.5	27.8	52.1	23.6	-	31.1	17.2	37.9	27.1	33.4	38.2	39.7	24.8	-	19.5
Sand, %	0	0	0	0	0	0	0	0	0	2	4	0	0	0	0	12	0	27	0
Silt, %	2	30	18	25	40	23	6	34	63	23	45	4	16	1	7	27	31	46	5
Clay, %	30	28	32	32	22	25	19	17	17	25	23	38	40	39	39	15	29	11	60
Coll. dia. > 0.250 mm	68	42	50	44	38	52	75	83	49	51	28	58	44	60	54	46	40	16	35
Diam. at 60% water	0.250	0.420	0.420	0.420	0.420	0.420	0.074	2.00	4.76	4.76	9.52	0.420	0.420	0.105	0.42	9.52	0.42	9.52	0.25
Diam. at 10% water	0.0019	0.051	0.024	0.041	0.072	0.019	-	0.046	0.19	0.016	0.10	0.0065	0.022	0.00530	0.0870	0.058	0.053	0.64	0.022
Visual soil description	Silty clay w/sand	Silty clay w/sand	Silty clay w/sand	Silty clay w/sand	Silty clay w/sand	Silty clay w/sand	Silty clay w/sand	Silty clay w/sand	Silty clay w/sand	Silty clay w/sand	Silty clay w/sand	Silty clay w/sand	Silty clay w/sand	Silty clay w/sand	Silty clay w/sand	Silty clay w/sand	Silty clay w/sand	Silty clay w/sand	Silty clay w/sand
Unified soil classification	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
Angle of internal friction	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
Cohesion, kg/cm <sup>2</sup>	0.05	0.04	0.06	0.06	0.06	0.09	0.10	-	-	-	-	-	0.06	0.20	0.75	0.37	-	-	-
Condition of drainage	u-u	u-u	u-u	u-u	u-u	u-u	u-u	u-u	u-u	u-u	u-u	u-u	u-u	u-u	u-u	u-u	u-u	u-u	u-u
Consolidation test	(0.26)	(0.30)	(0.48)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Compression test	0.08	0.32	0.32	0.30	0.30	0.26	-	-	-	-	-	-	0.27	0.42	0.19	0.22	-	-	0.20
100% compression																			

Remarks : \* UD denotes undisturbed samples.

TRIAXIAL COMPRESSION TEST (Mohr's circle)

Project 267  
Condition of drainage U-U

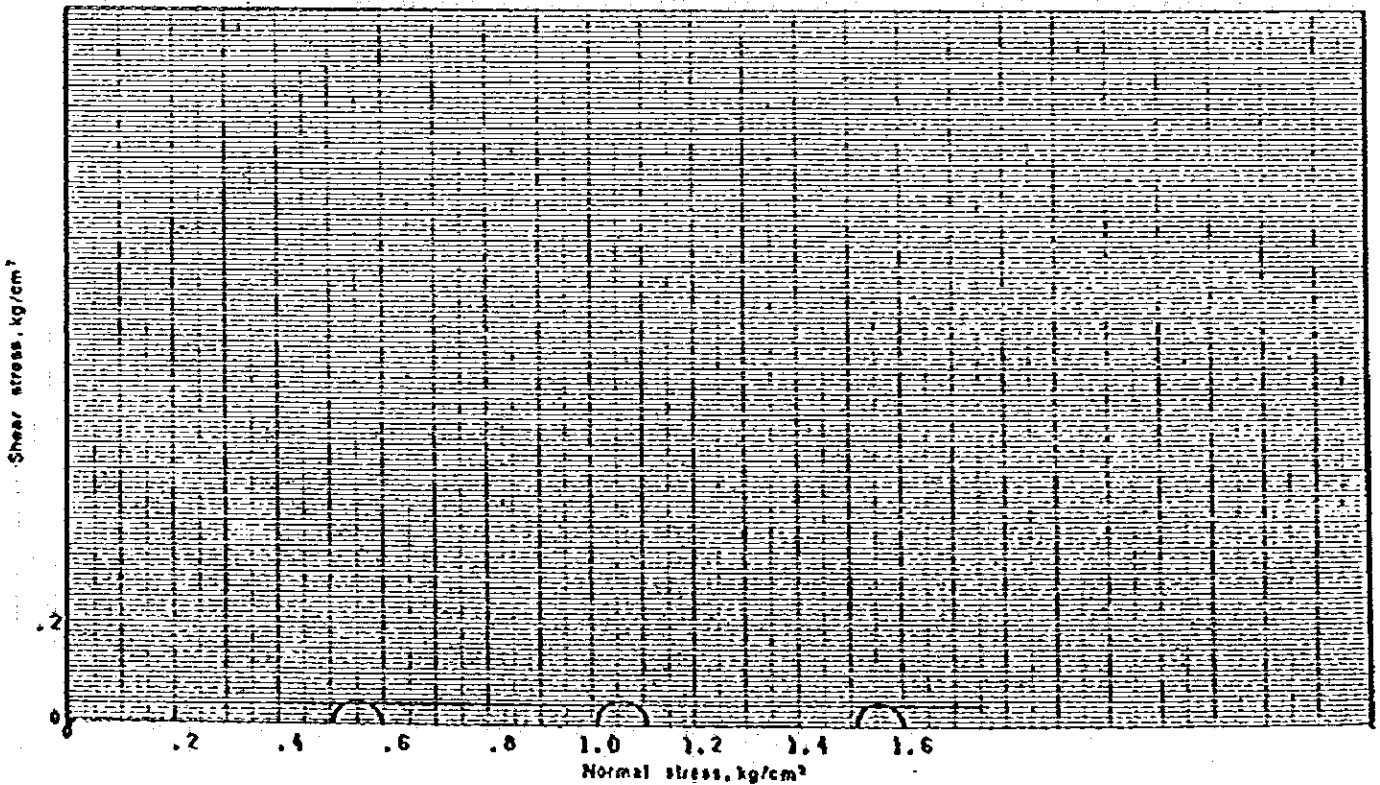
Boring No. PBH-1 Sample No. UD-1  
Depth of Sample .50 m. 1.30 m  
Angle of Internal friction 0°  
Cohesion 0.05 kg/cm<sup>2</sup>



TRIAXIAL COMPRESSION TEST (Mohr's circle)

Project 267  
Condition of drainage U-U

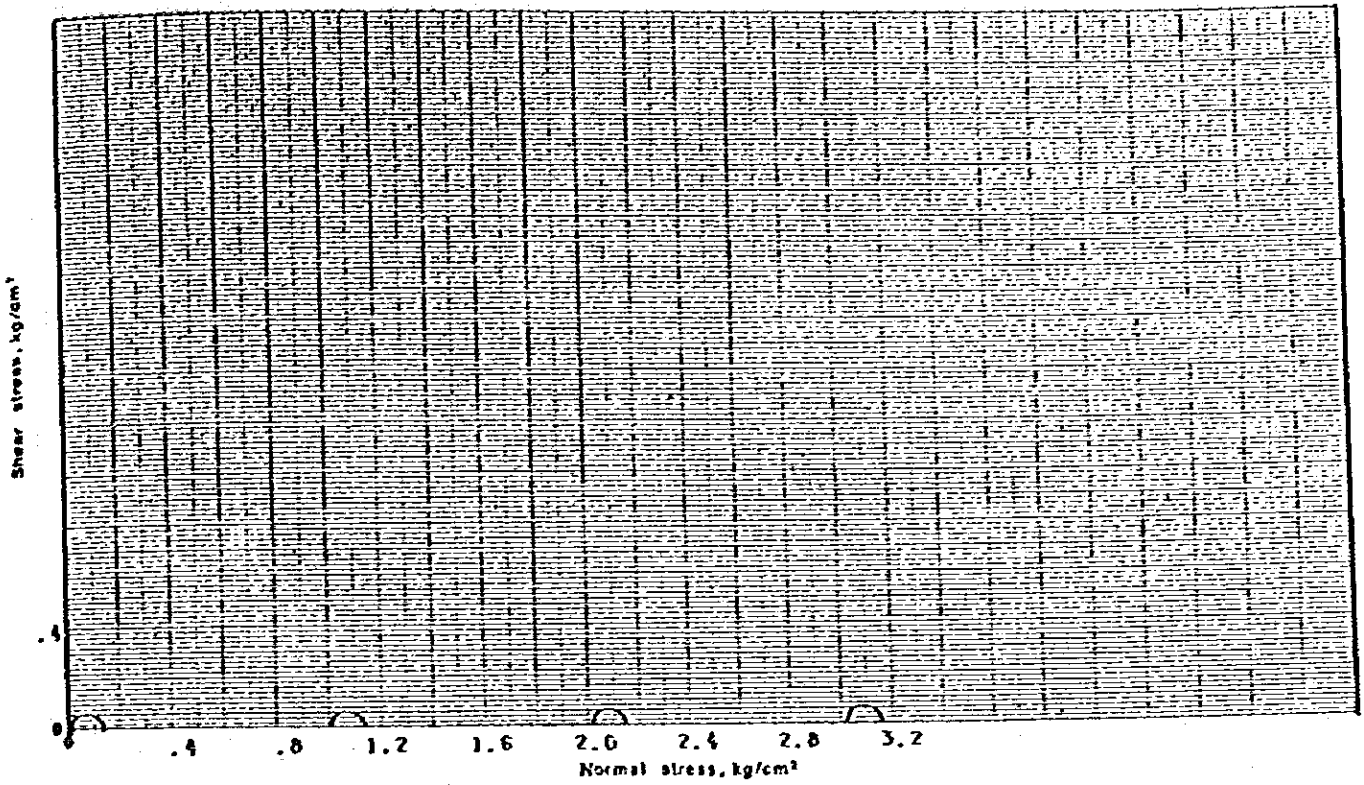
Boring No. PBH-1 Sample No. UD-2  
Depth of Sample 2.00 m. 2.80 m  
Angle of Internal friction 0°  
Cohesion 0.04 kg/cm<sup>2</sup>



TRIAXIAL COMPRESSION TEST (Mohr's circle)

Project 267  
 Condition of drainage U-U

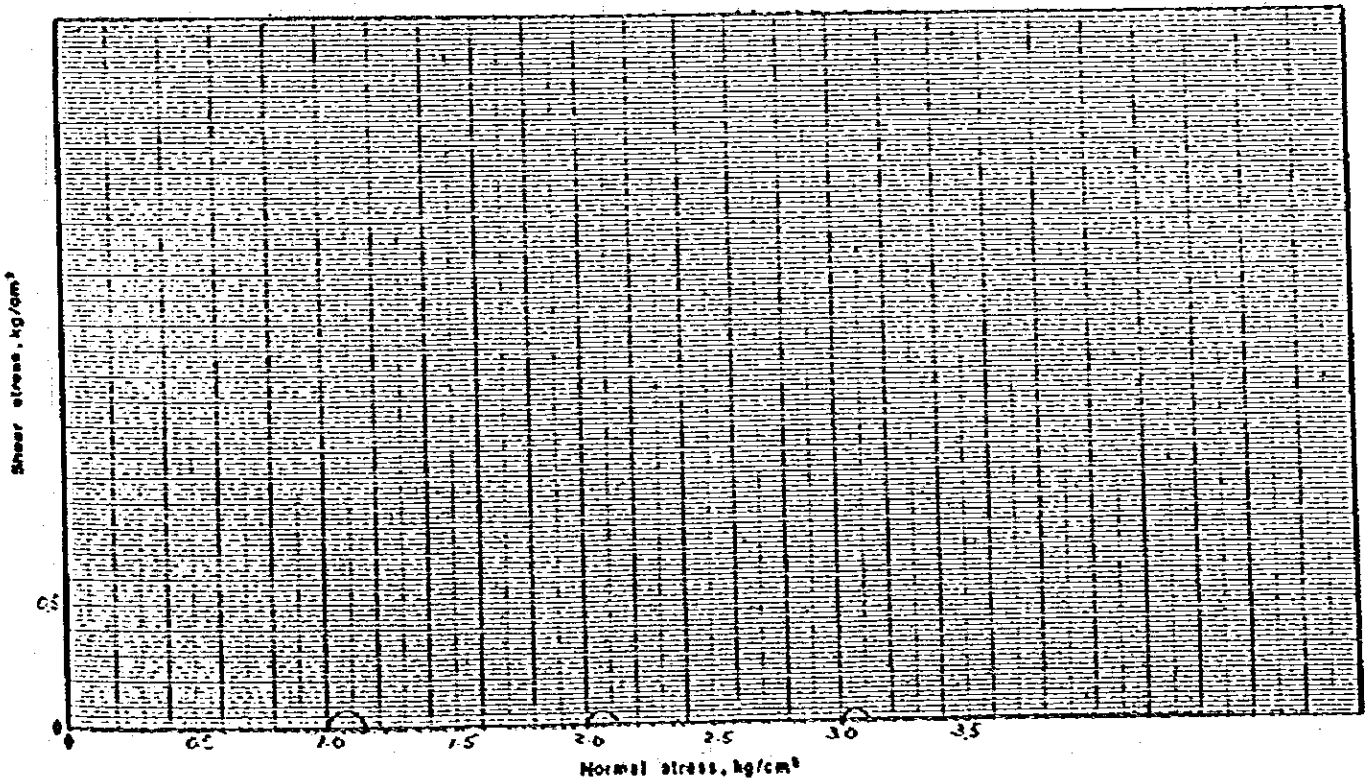
Boring No. PBH-1 Sample No. UD-3  
 Depth of Sample 3.50 m - 4.30 m  
 Angle of internal friction 0°  
 Cohesion 0.06 kg/cm<sup>2</sup>



TRIAXIAL COMPRESSION TEST (Mohr's circle)

Project 267  
 Condition of drainage U-U

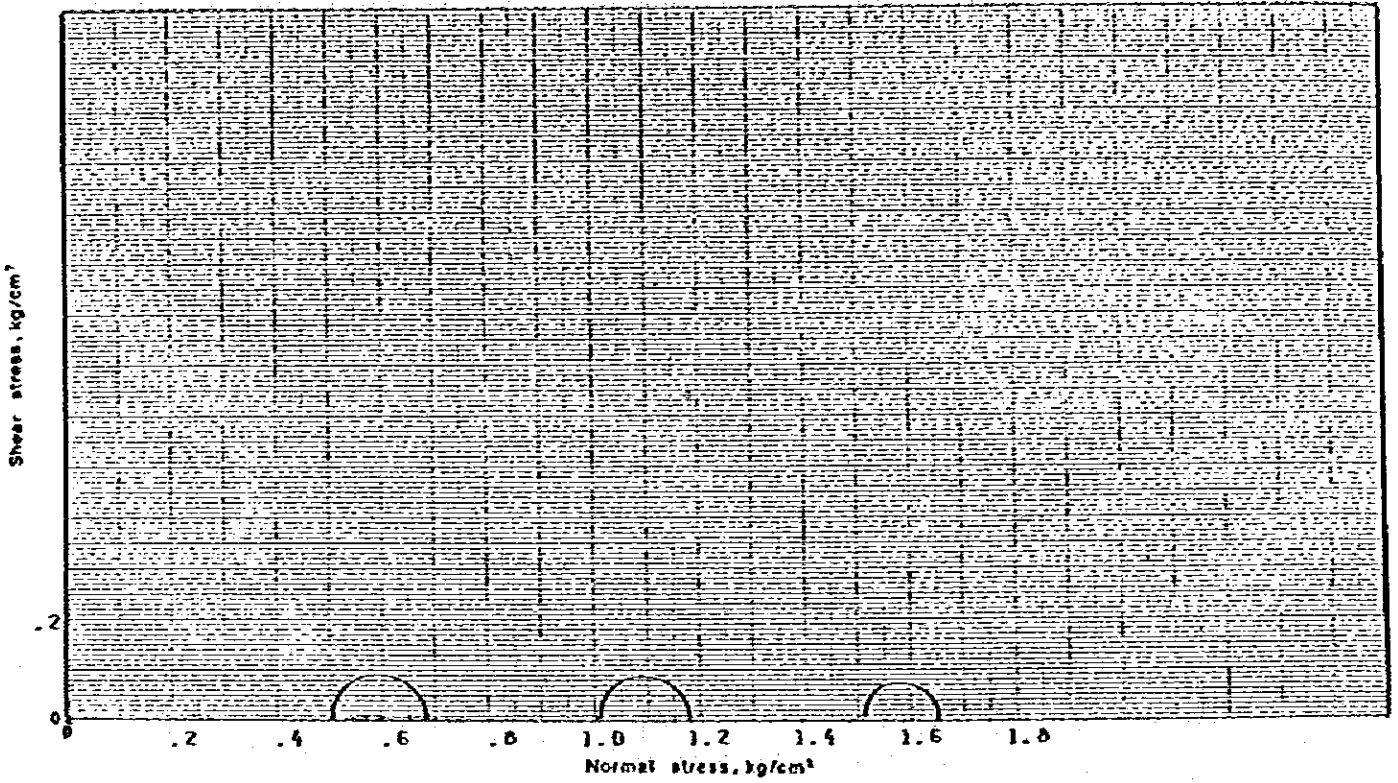
Boring No. PBH-1 Sample No. UL-4  
 Depth of Sample 5.00 m - 5.80 m  
 Angle of internal friction 0°  
 Cohesion 0.06 kg/cm<sup>2</sup>



**TRIAXIAL COMPRESSION TEST (Mohr's circle)**

Project 267  
 Condition of drainage U-U

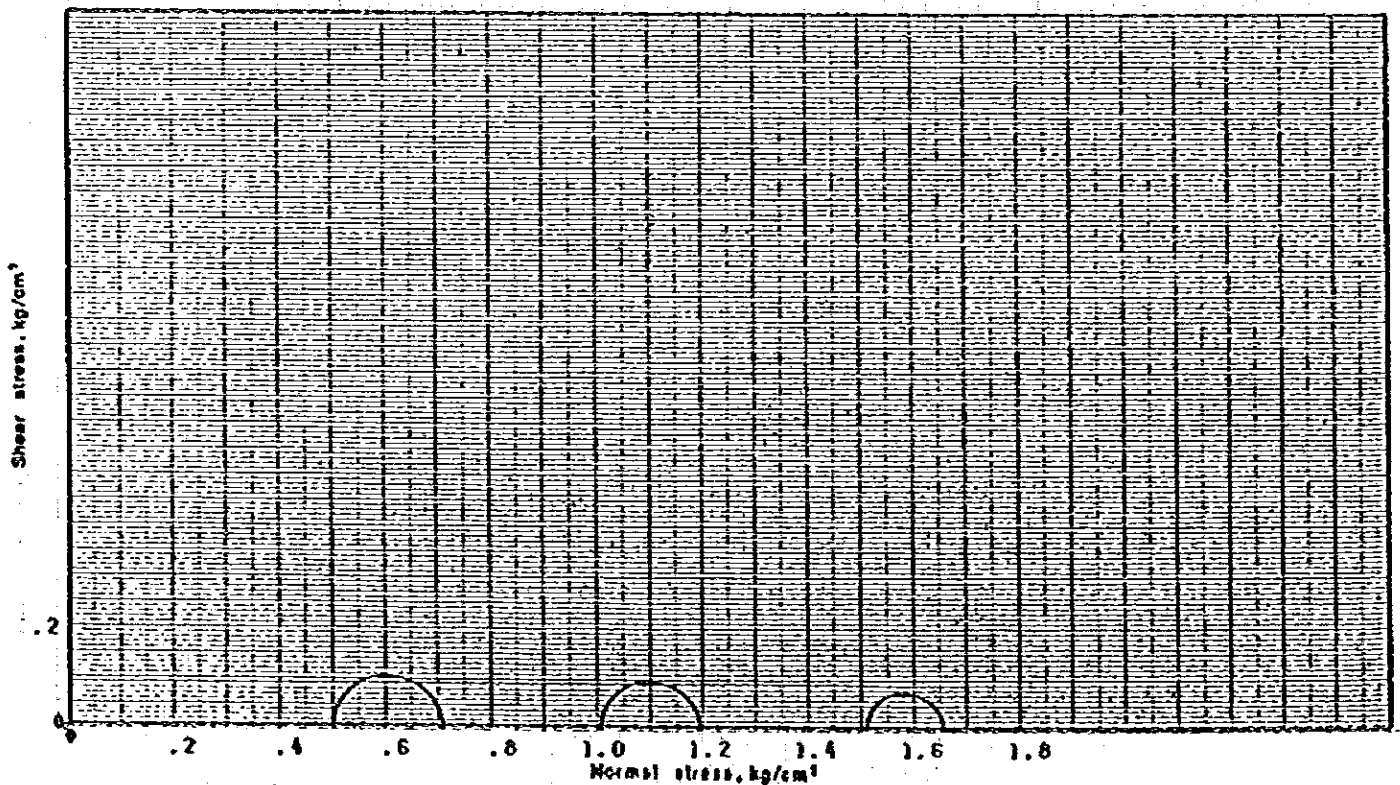
Boring No. PBH-1 Sample No. UD-5  
 Depth of Sample 5.00 m - 6.60 m  
 Angle of Internal friction 0°  
 Cohesion 0.08 kg/cm<sup>2</sup>



**TRIAXIAL COMPRESSION TEST (Mohr's circle)**

Project 267  
 Condition of drainage U-U

Boring No. PBH-1 Sample No. UD-6Top  
 Depth of Sample 7.00 m - 7.35 m  
 Angle of Internal friction 0°  
 Cohesion 0.09 kg/cm<sup>2</sup>

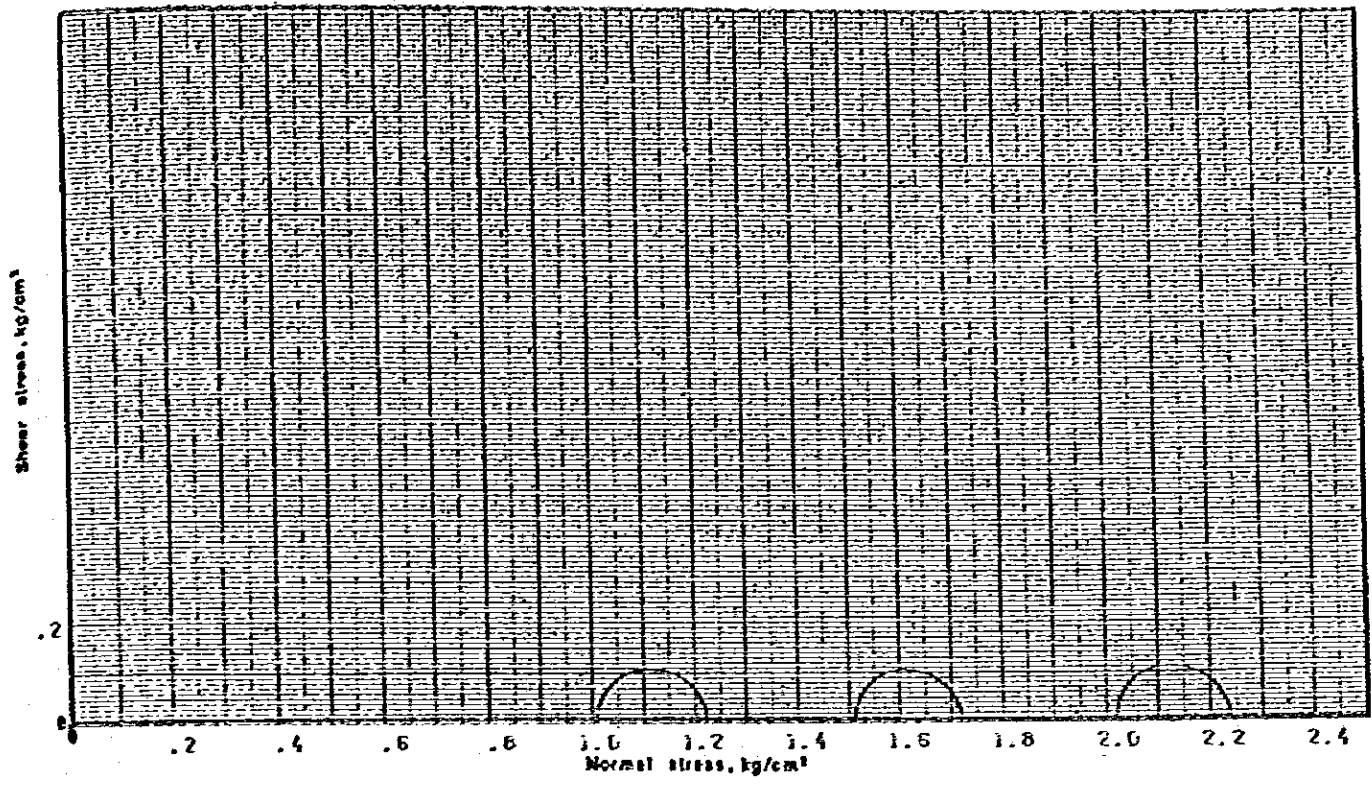




**TRIAXIAL COMPRESSION TEST (Mohr's circle)**

Project 267  
 Condition of drainage U-U

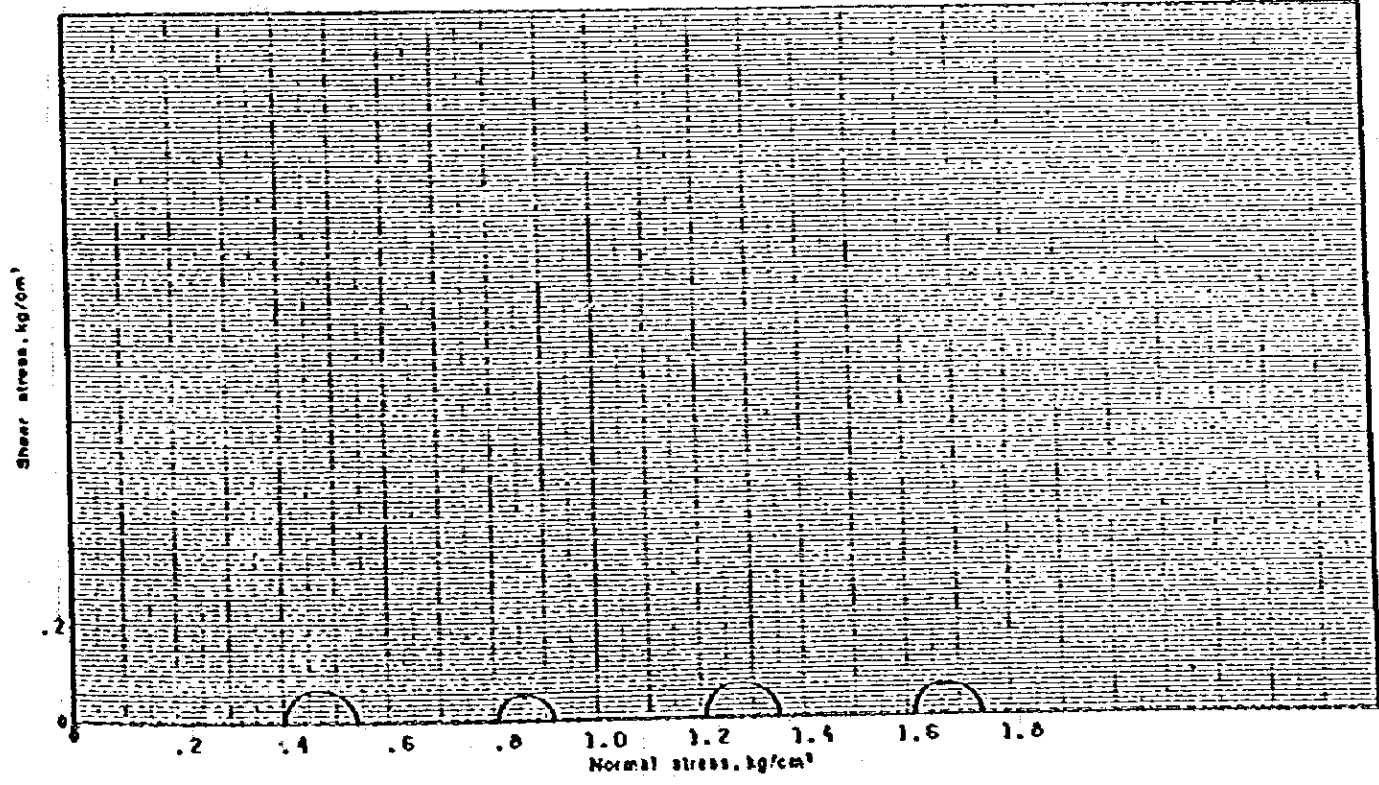
Boring No. PBH-1 Sample No. UG-6Bottom  
 Depth of Sample 7.35 m - 7.80 m  
 Angle of internal friction 0°  
 Cohesion 0.10 kg/cm<sup>2</sup>



**TRIAXIAL COMPRESSION TEST (Mohr's circle)**

Project 267  
 Condition of drainage U-U

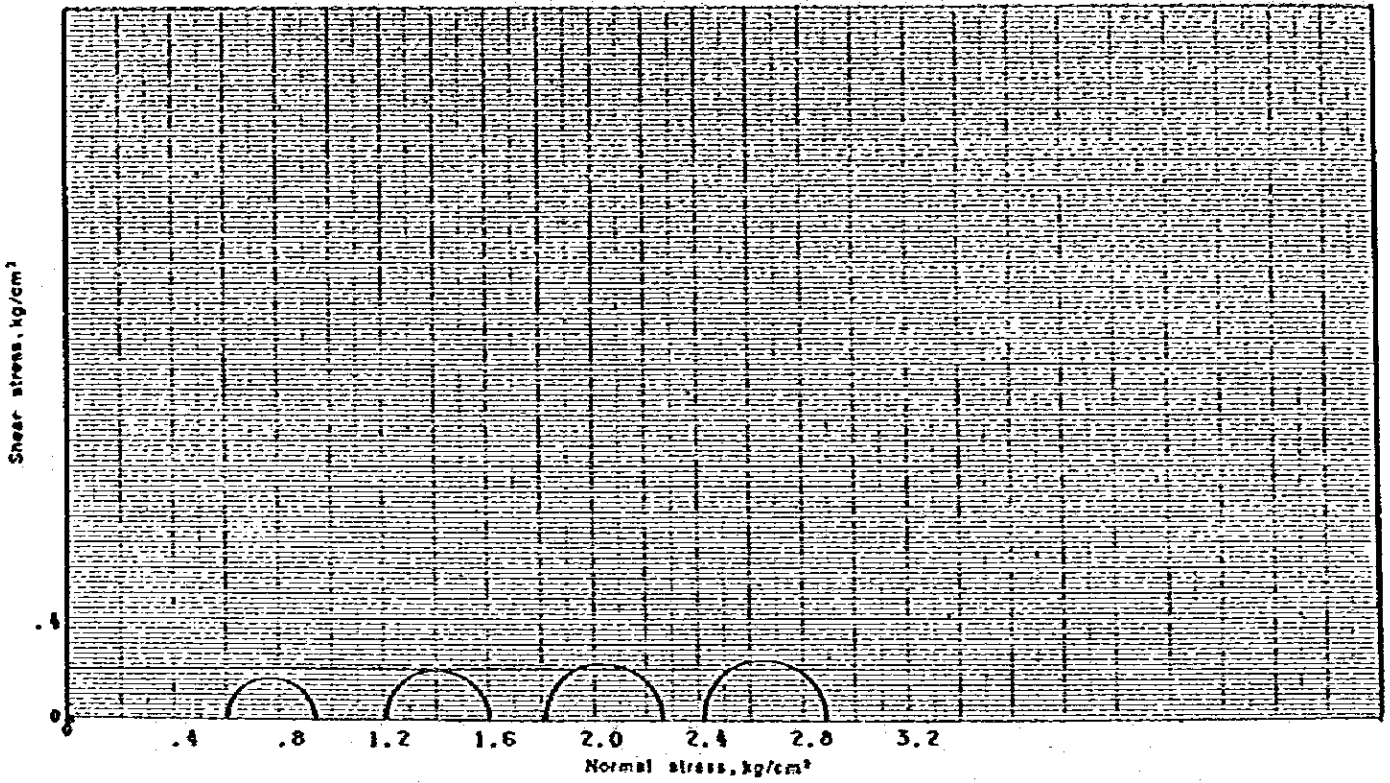
Boring No. PBH-2 Sample No. UD-2  
 Depth of Sample 4.00 m - 4.85 m  
 Angle of internal friction 0°  
 Cohesion 0.06 kg/cm<sup>2</sup>



TRIAxIAL COMPRESSION TEST (Mohr's circle)

Project 267  
 Condition of drainage U-U

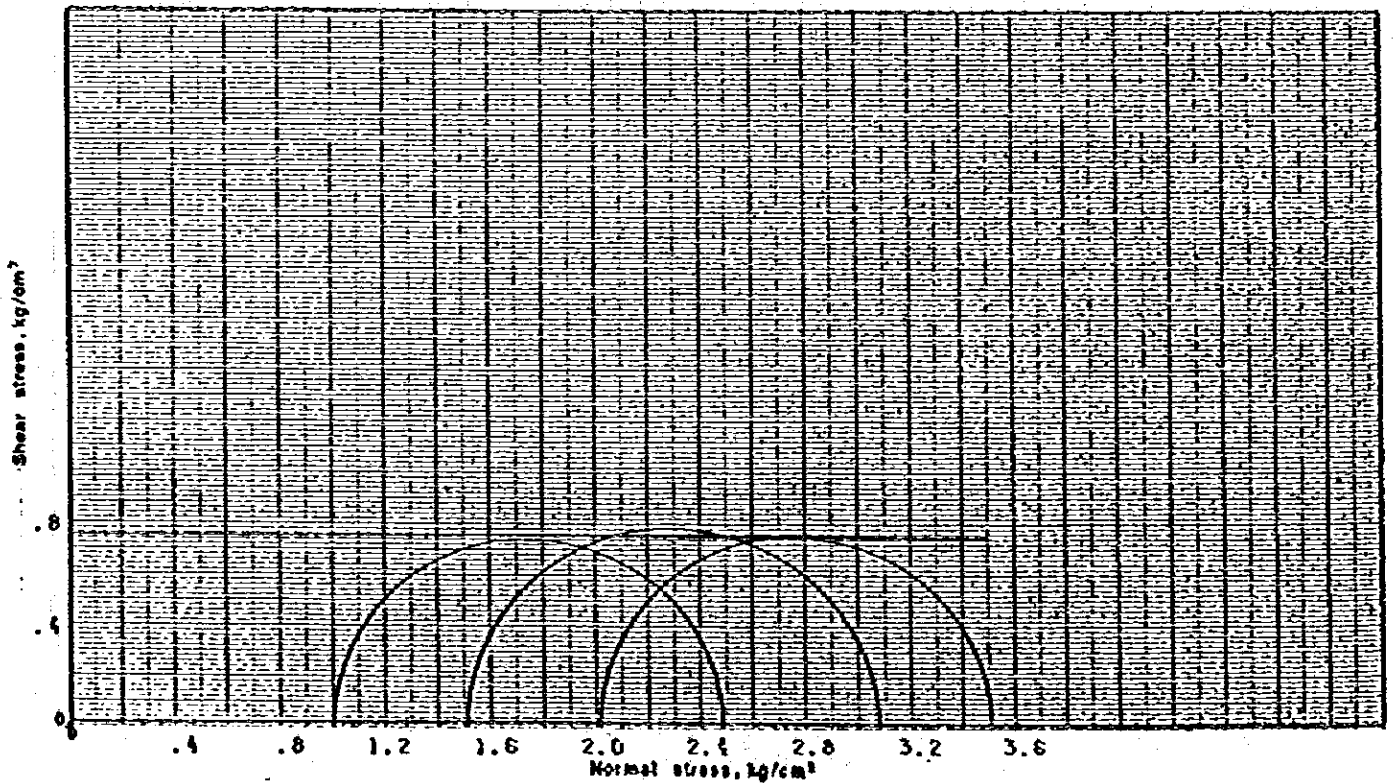
Boring No. PBH-2 Sample No. UD-3  
 Depth of Sample 2.00 m. 2.85 m  
 Angle of internal friction 0°  
 Cohesion 0.20 kg/cm<sup>2</sup>



TRIAxIAL COMPRESSION TEST (Mohr's circle)

Project 267  
 Condition of drainage U-U

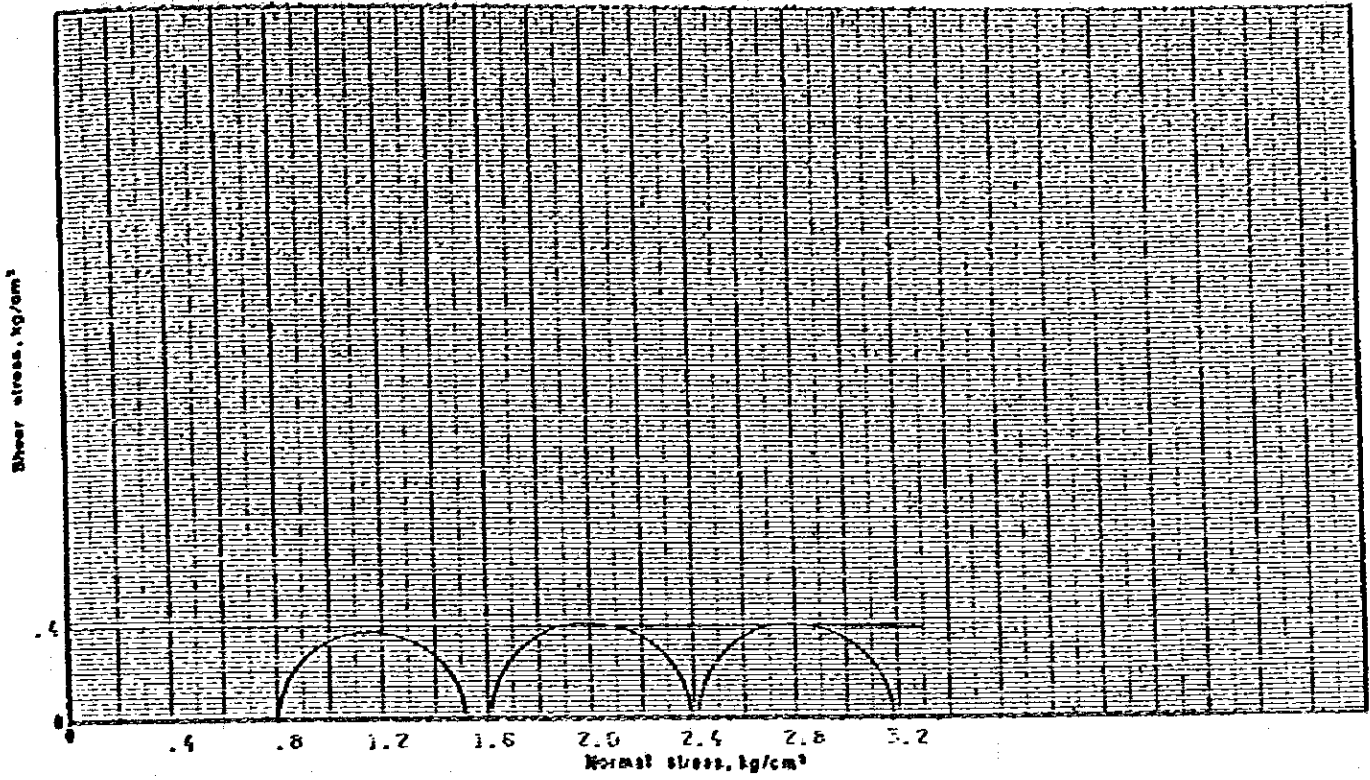
Boring No. PBH-3 Sample No. UD-1  
 Depth of Sample 3.00 m. 3.80 m  
 Angle of internal friction 0°  
 Cohesion 0.75 kg/cm<sup>2</sup>



# TRIAXIAL COMPRESSION TEST (Mohr's circle)

Project 267  
 Condition of drainage U-U

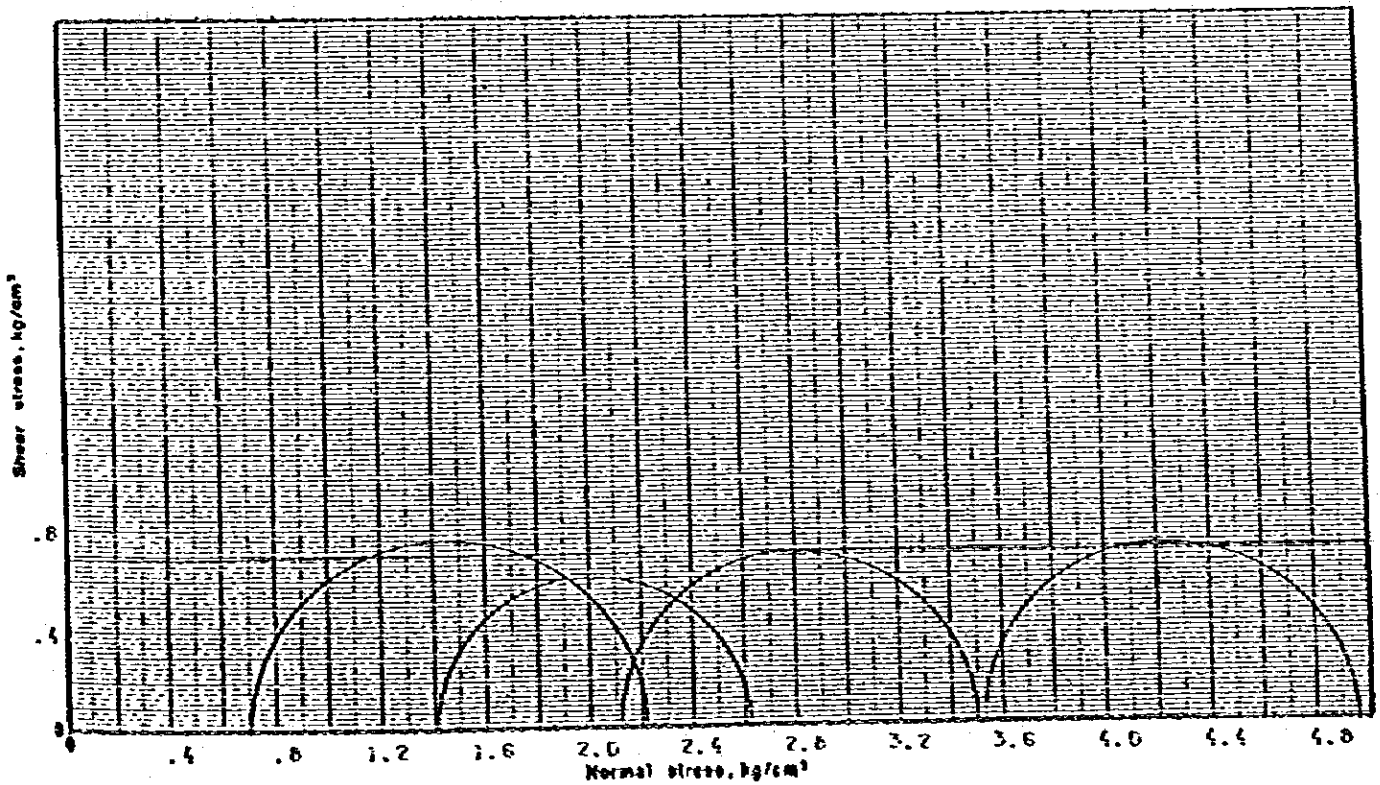
Boring No. PBH-3 Sample No. UD-2  
 Depth of Sample 2.00 m - 2.80 m  
 Angle of internal friction 0°  
 Cohesion 0.37 kg/cm<sup>2</sup>



# TRIAXIAL COMPRESSION TEST (Mohr's circle)

Project 267  
 Condition of drainage U-U

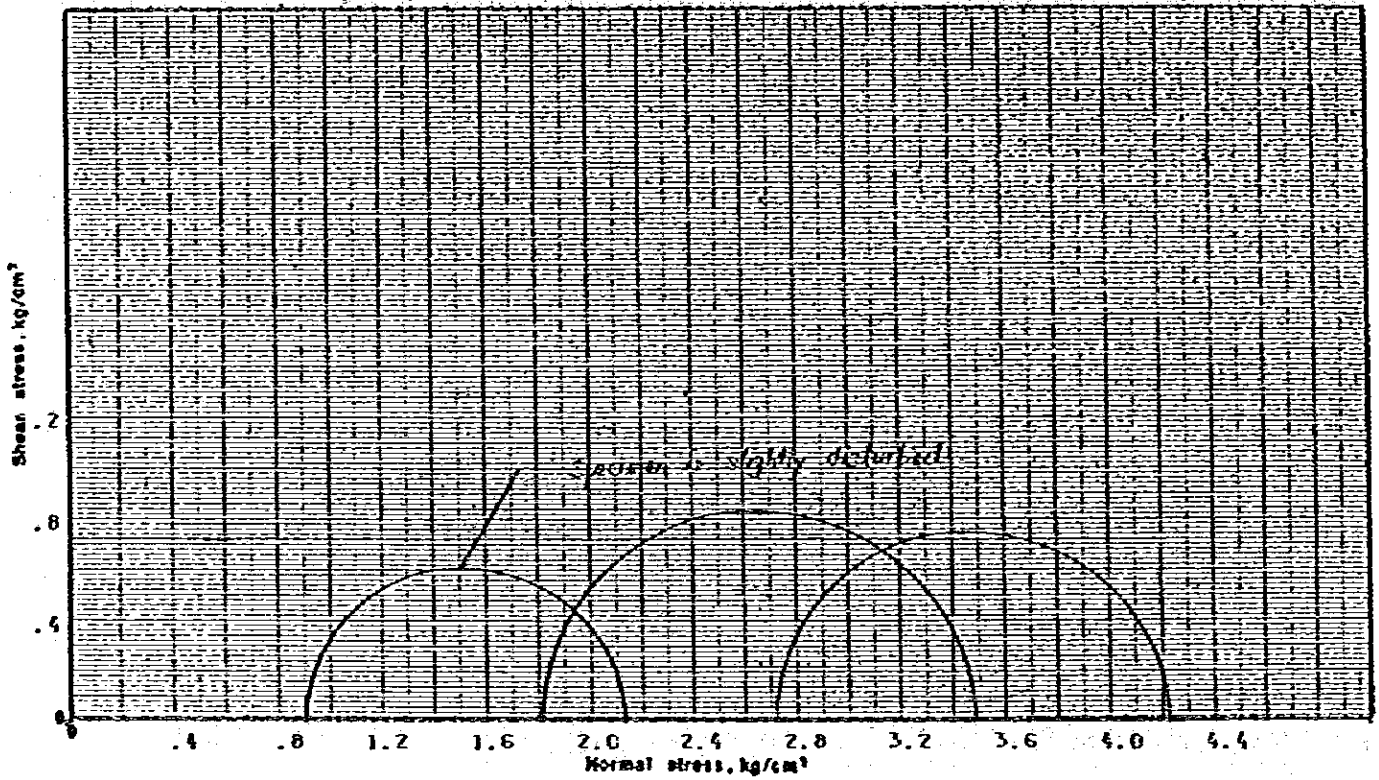
Boring No. PBH-4 Sample No. UD-3  
 Depth of Sample 5.00 m - 5.85 m  
 Angle of internal friction 0°  
 Cohesion 0.69 kg/cm<sup>2</sup>



# TRIAxIAL COMPRESSION TEST (Mohr's circles)

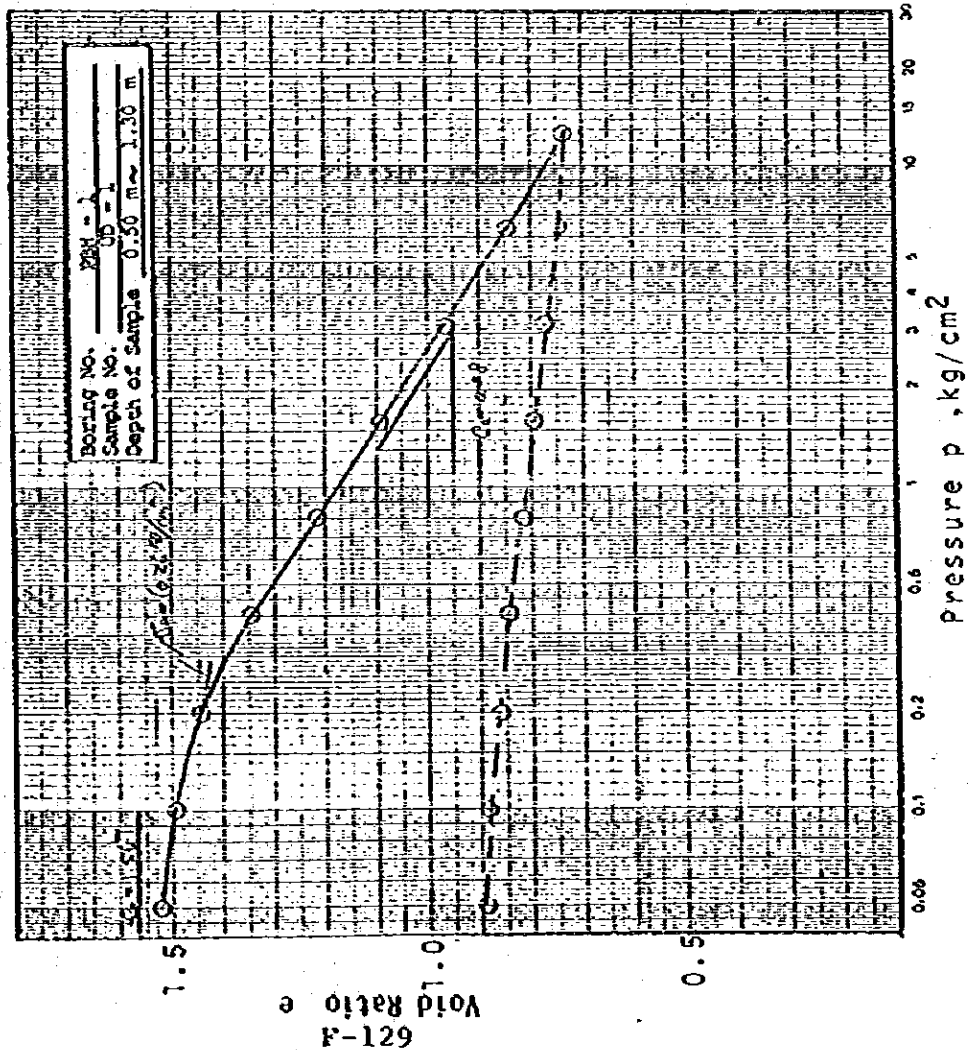
Project 267  
Condition of drainage U-U

Boring No. PBH-4 Sample No. UD-4  
Depth of Sample 8.00 m. 8.50 m  
Angle of internal friction 0°  
Cohesion (0.72) kg/cm<sup>2</sup>



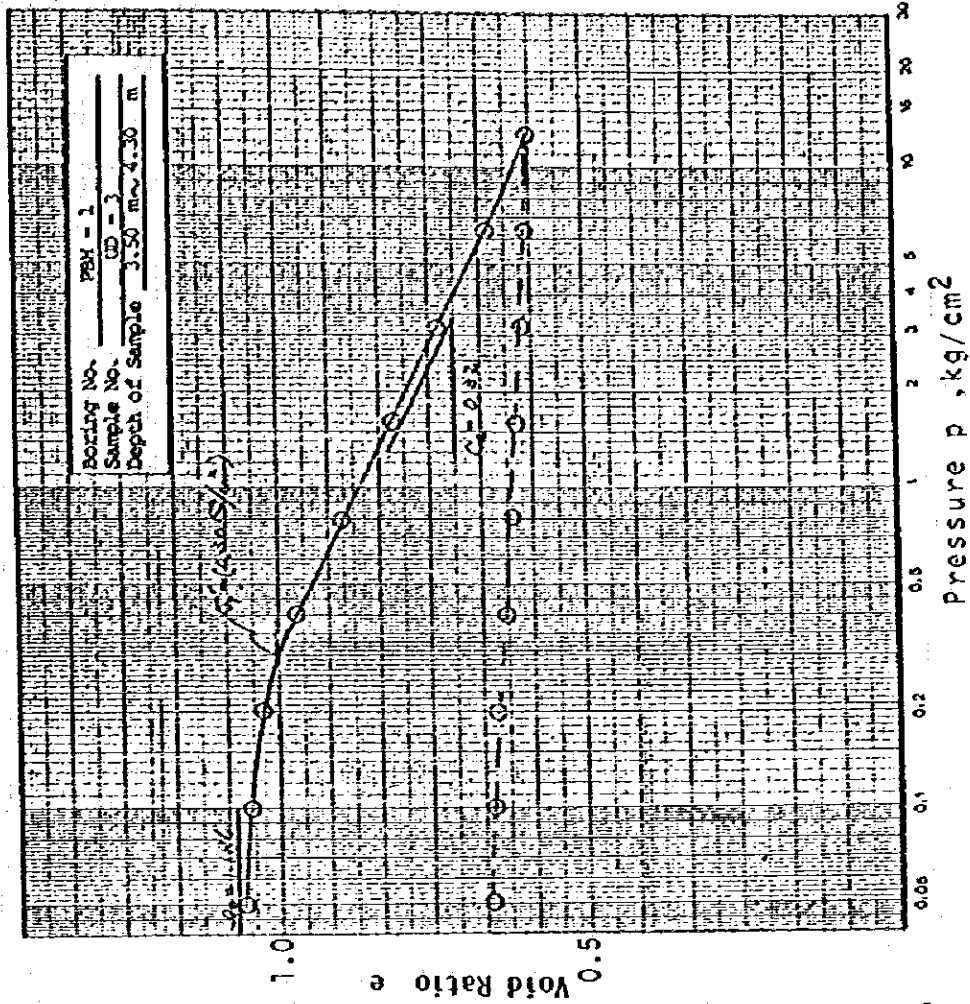
CONSOLIDATION TEST (e-log p curves)

Sample No.	Depth of Sample (m)	Liquid Limit LL (%)	Initial Void Ratio $e_0$	Preconsolidation Pressure $P_p$ (kg/cm <sup>2</sup> )	Compression Index $C_c$	Symbol
UC-1	0.50 ~ 1.30	50.5	1.567	(0.26)	0.38	○
						△



CONSOLIDATION TEST (e-log p curves)

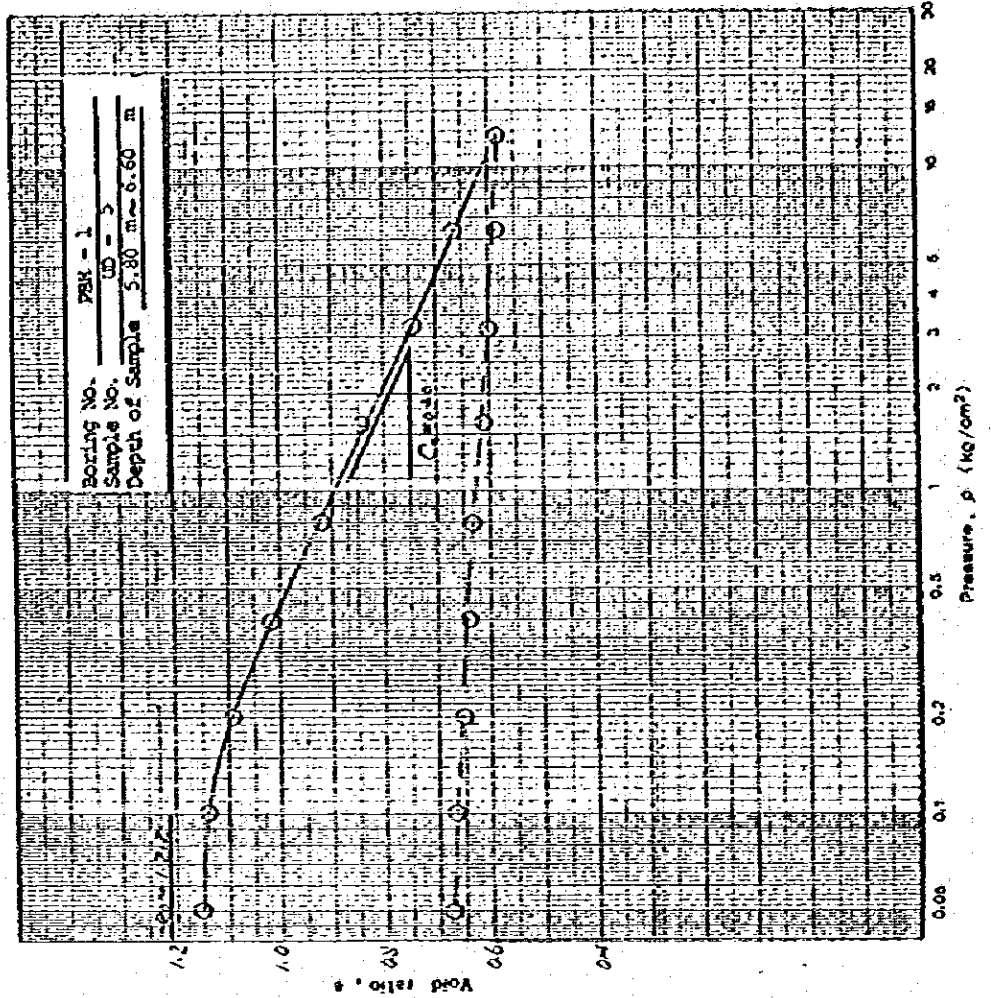
Sample No.	Depth of Sample (m)	Liquid Limit LL (%)	Initial Void Ratio $e_0$	Preconsolidation Pressure $P_p$ (kg/cm <sup>2</sup> )	Compression Index $C_c$	Symbol
UD-3	3.50 ~ 4.30	61.8	1.186	(0.30)	0.32	○
						△





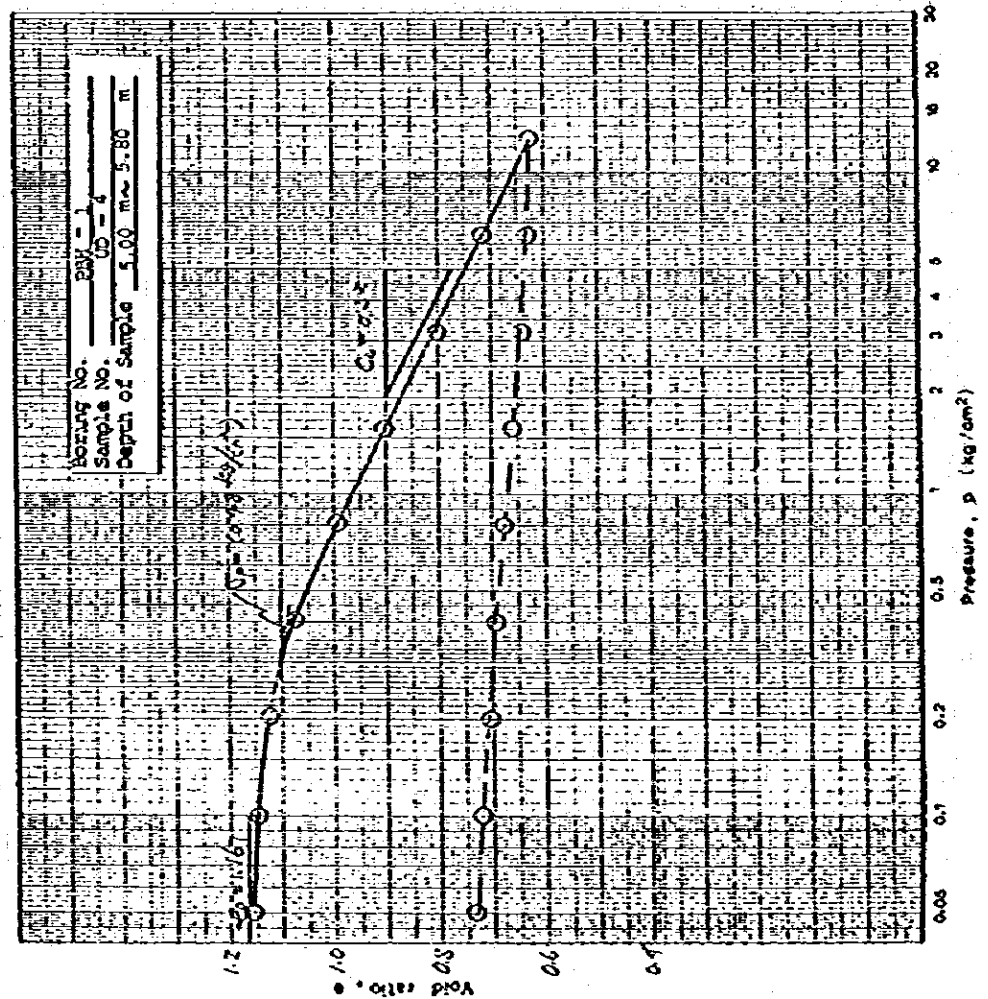
CONSOLIDATION TEST (e-log p curves)

Sample No.	Depth of Sample (m)	Liquid Limit LL (%)	Initial Void Ratio $e_0$	Preconsolidation Pressure $\sigma'_p$ (kg/cm <sup>2</sup> )	Compression Index $C_c$	Symbol
110-5	5.80 ~ 6.60	44.7	1.212	—	0.30	○
						△



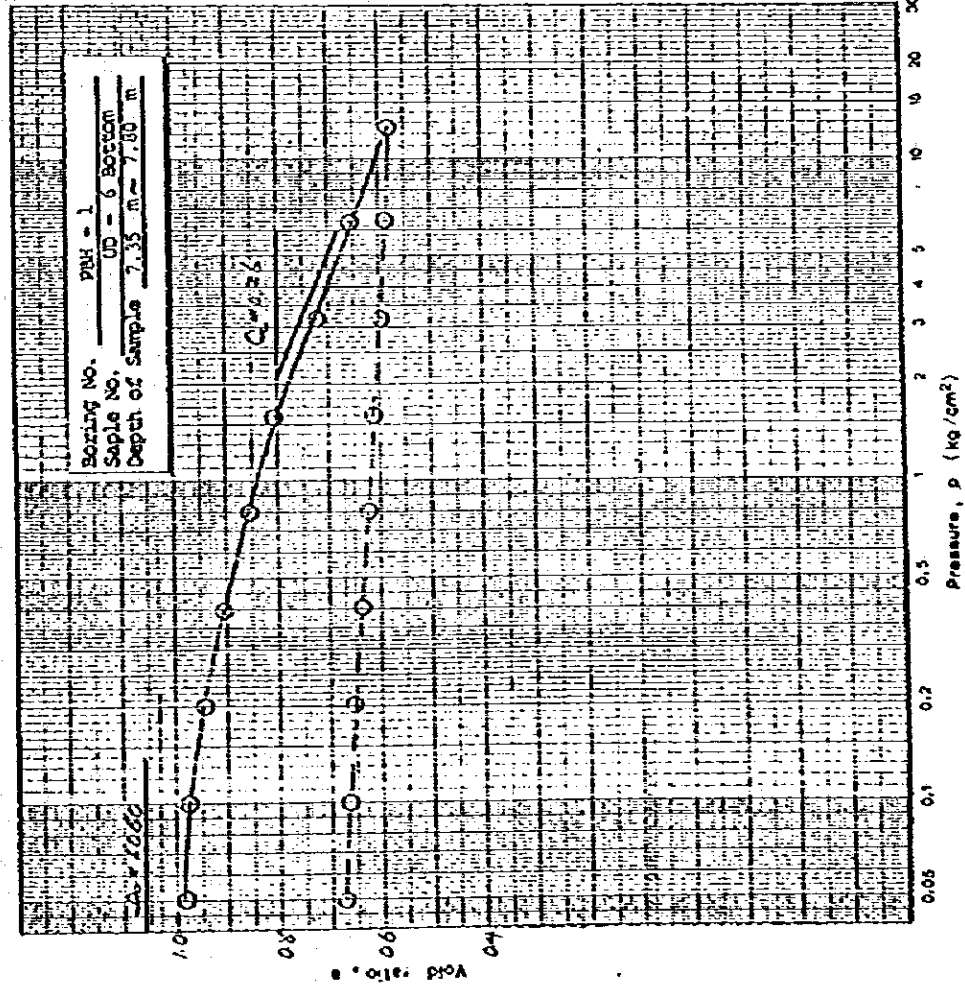
CONSOLIDATION TEST (e-log p curves)

Sample No.	Depth of Sample (m)	Liquid Limit LL (%)	Initial Void Ratio $e_0$	Preconsolidation Pressure $\sigma'_p$ (kg/cm <sup>2</sup> )	Compression Index $C_c$	Symbol
117-4	5.00 ~ 5.80	44.7	1.167	(0.48)	0.32	○
						△



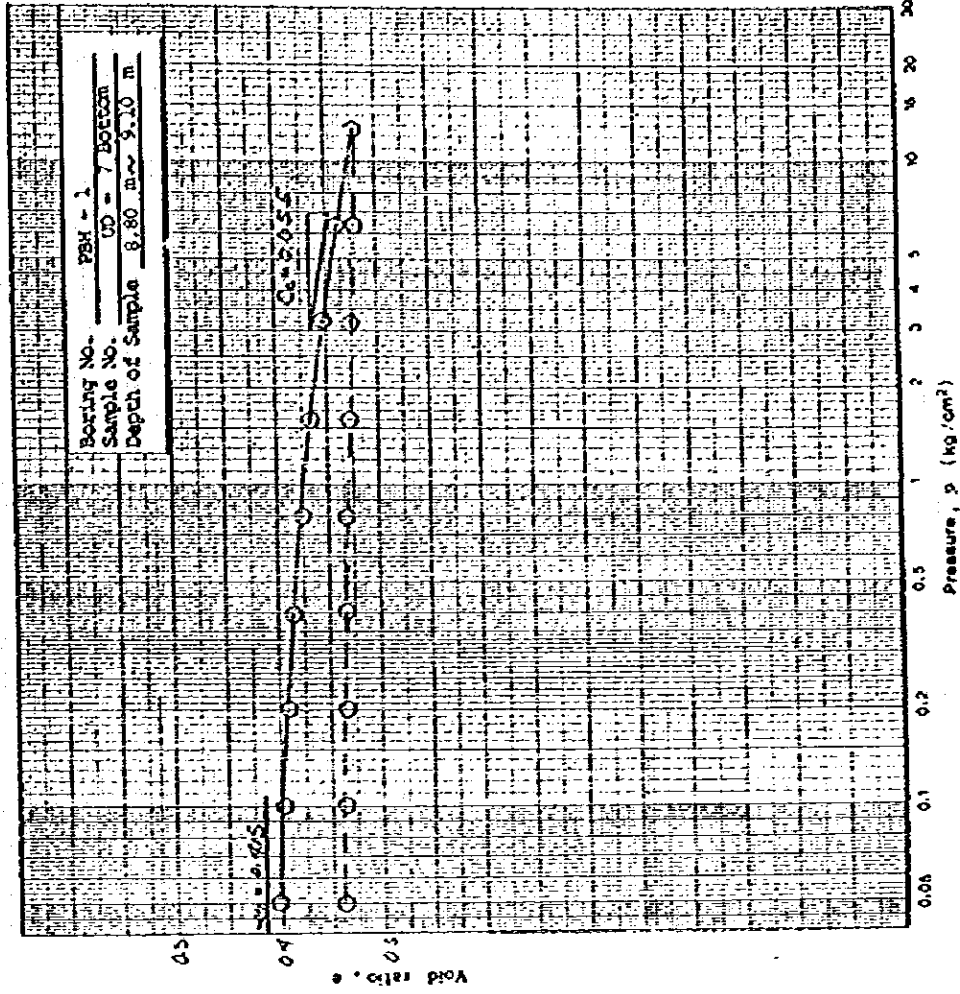
CONSOLIDATION TEST (e-log p curves)

Sample No.	Depth of Sample (m)	Liquid Limit LL (%)	Initial Void Ratio $e_0$	Predconsolidation Pressure $\sigma'_p$ (kg/cm <sup>2</sup> )	Compression Index $C_c$	Symbol
UD-6	7.00 - 7.80	87.6	1.060	—	0.26	⊙
						△



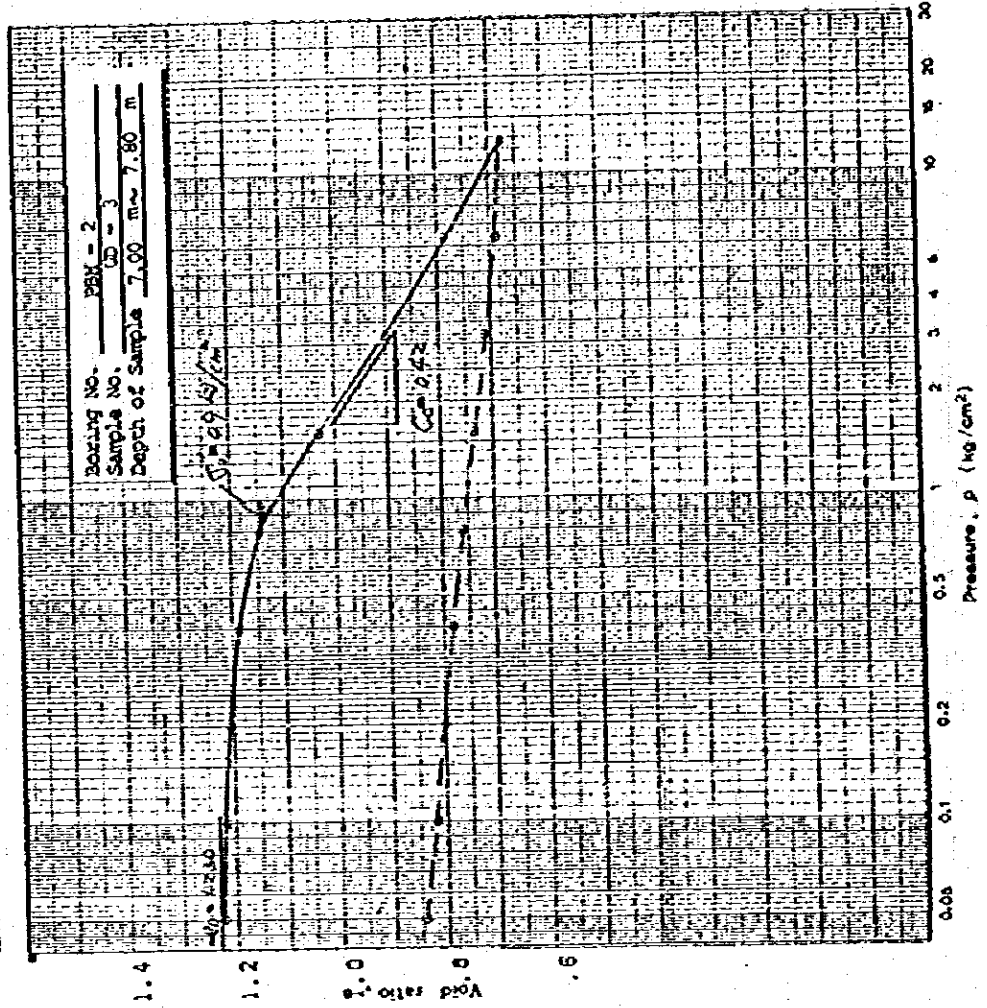
CONSOLIDATION TEST (e-log p curves)

Sample No.	Depth of Sample (m)	Liquid Limit LL (%)	Initial Void Ratio $e_0$	Predconsolidation Pressure $\sigma'_p$ (kg/cm <sup>2</sup> )	Compression Index $C_c$	Symbol
UD-7 (Bottom)	8.80 ~ 9.10	—	0.415	—	0.55	⊙
						△



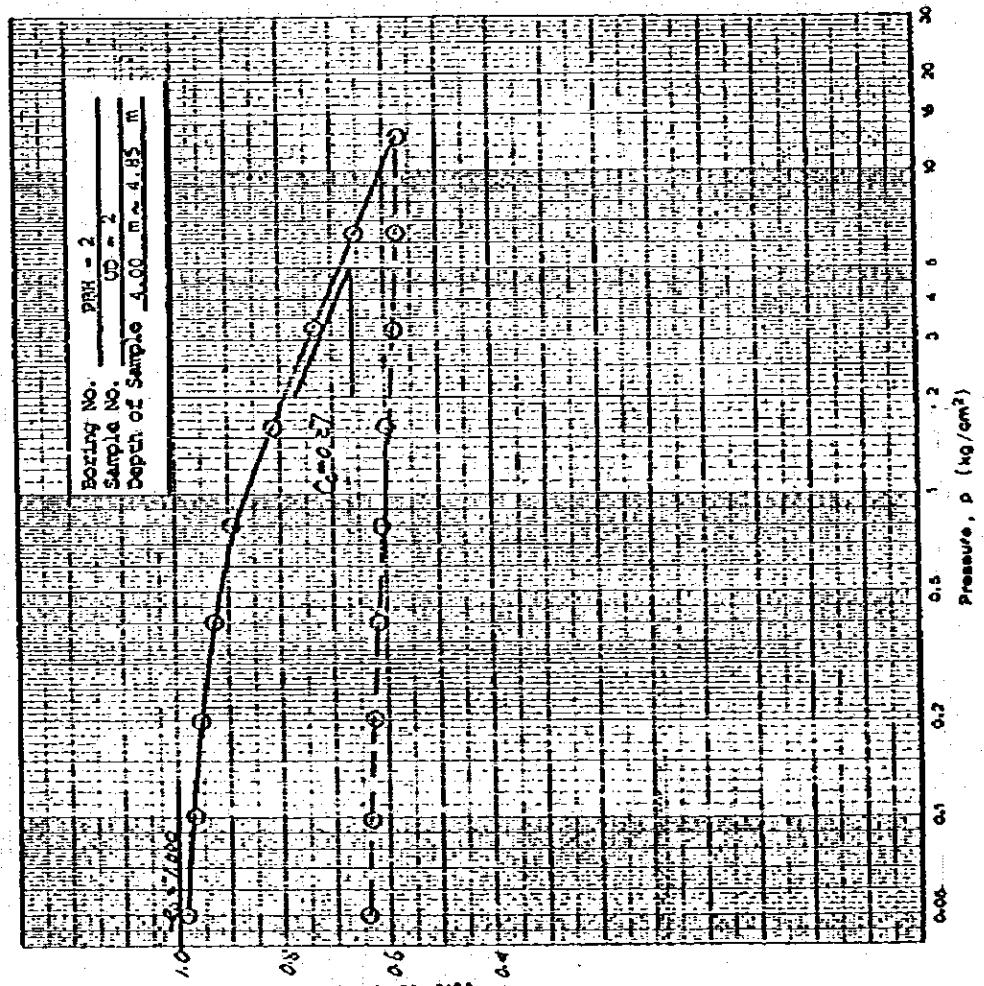
CONSOLIDATION TEST (e-log p curves)

Sample No.	Depth of Sample (m)	Liquid Limit LL (%)	Initial Void Ratio $e_0$	Preconsolidation Pressure $C_p$ (kg/cm <sup>2</sup> )	Compression Index $C_c$	Symbol
11D-3	7.66 ~ 7.85	55.8	1.236	0.7	0.42	○
						△



CONSOLIDATION TEST (e-log p curves)

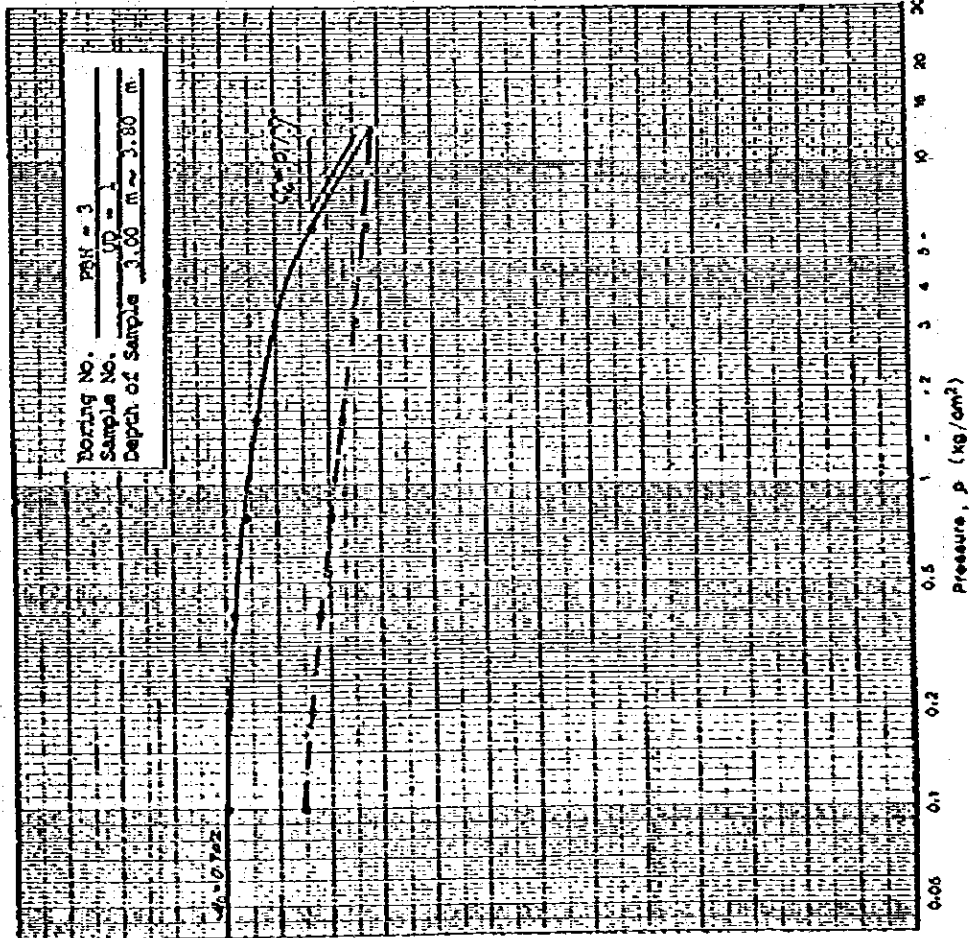
Sample No.	Depth of Sample (m)	Liquid Limit LL (%)	Initial Void Ratio $e_0$	Preconsolidation Pressure $C_p$ (kg/cm <sup>2</sup> )	Compression Index $C_c$	Symbol
11D-2	4.00 ~ 4.30	43.8	1.000	-	0.27	○
						△





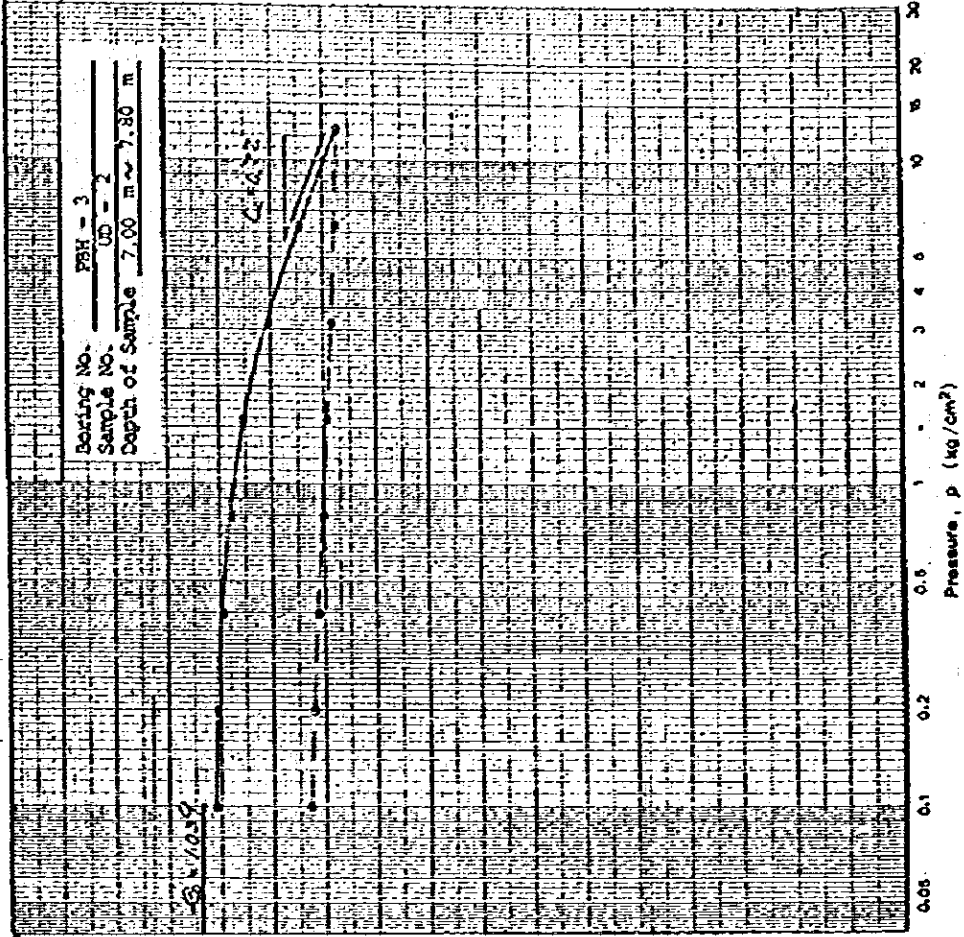
CONSOLIDATION TEST (e-log p curves)

Sample No.	Depth of Sample (m)	Liquid Limit LL (%)	Initial Void Ratio $e_0$	Preconsolidation Pressure $\sigma'_p$ (kg/cm <sup>2</sup> )	Compression Index $C_c$	Symbol
UD-1	3.20 ~ 3.80	61.0	0.702	—	0.19	○
						△



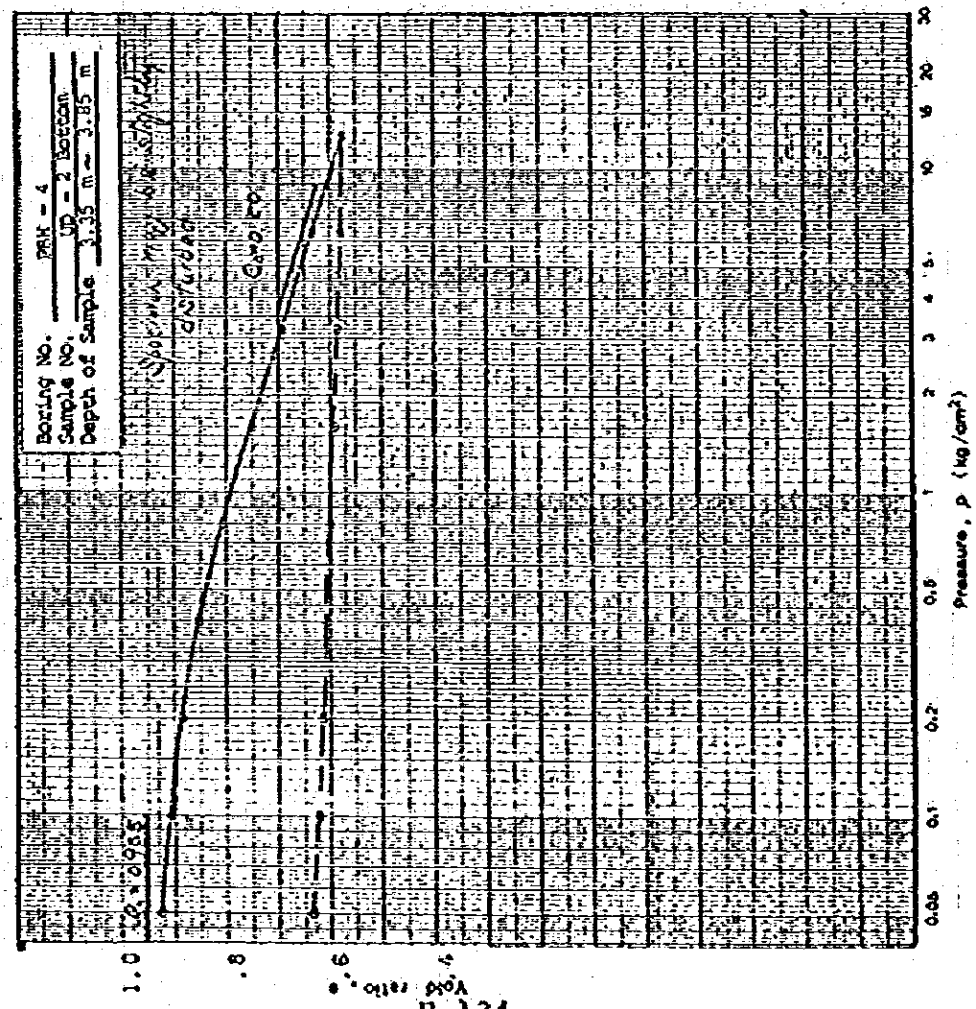
CONSOLIDATION TEST (e-log p curves)

Sample No.	Depth of Sample (m)	Liquid Limit LL (%)	Initial Void Ratio $e_0$	Preconsolidation Pressure $\sigma'_p$ (kg/cm <sup>2</sup> )	Compression Index $C_c$	Symbol
UD-2	7.00 ~ 7.80	66.6	1.059	—	0.22	○
						△



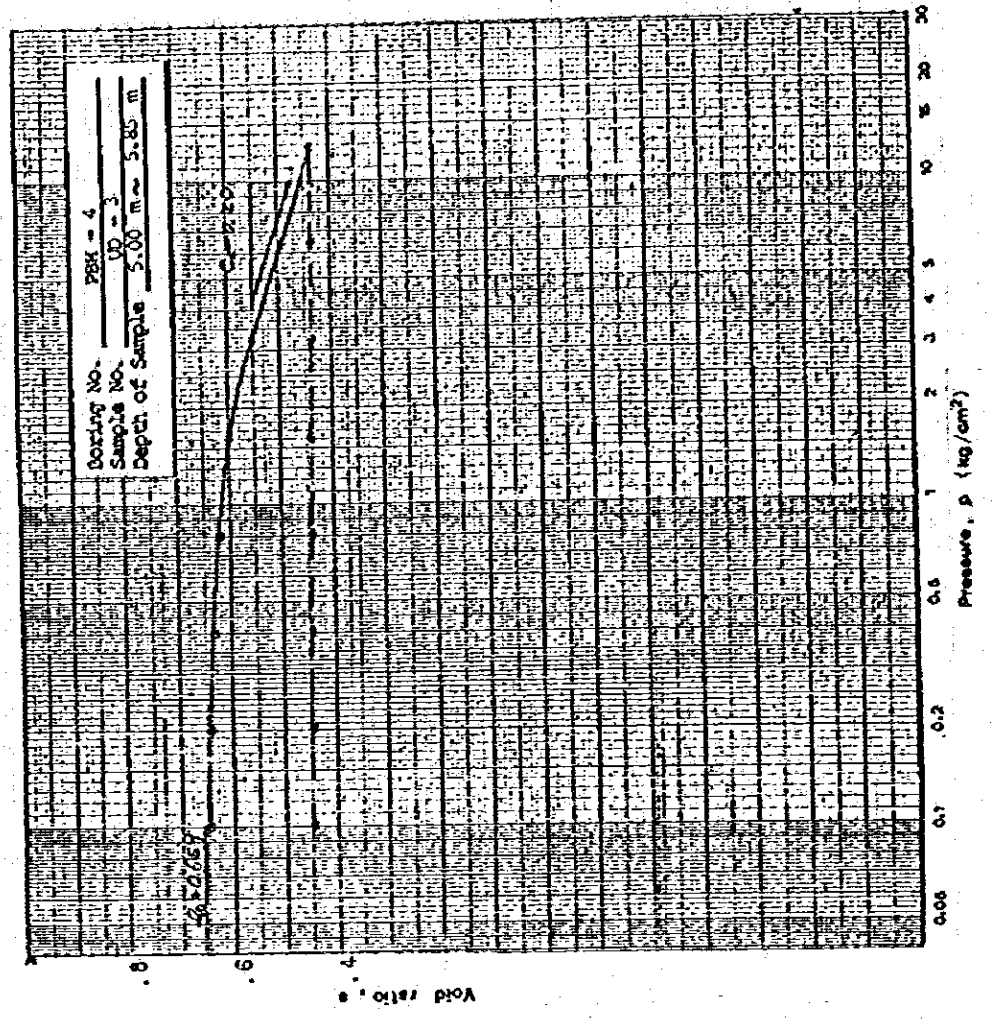
CONSOLIDATION TEST (e-log p curves)

Sample No.	Depth of Sample (m)	Liquid Limit LL (%)	Initial Void Ratio e <sub>i</sub>	Preconsolidation Pressure $\sigma'_p$ (kg/cm <sup>2</sup> )	Compression Index C <sub>c</sub>	Symbol
UD-5	3.35 ~ 3.85	35.1	0.955	---	0.20	○
						△



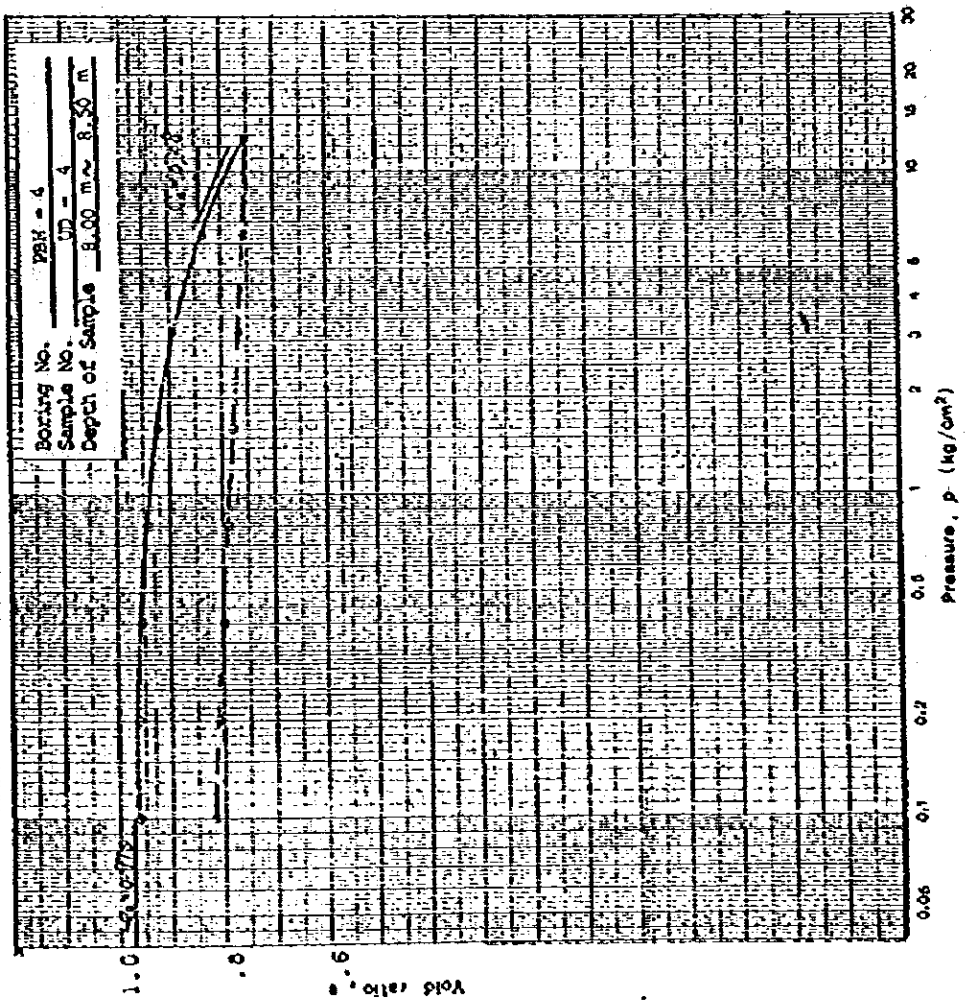
CONSOLIDATION TEST (e-log p curves)

Sample No.	Depth of Sample (m)	Liquid Limit LL (%)	Initial Void Ratio e <sub>i</sub>	Preconsolidation Pressure $\sigma'_p$ (kg/cm <sup>2</sup> )	Compression Index C <sub>c</sub>	Symbol
UD-5	5.00 ~ 5.85	41.8	0.659	---	0.20	○
						△

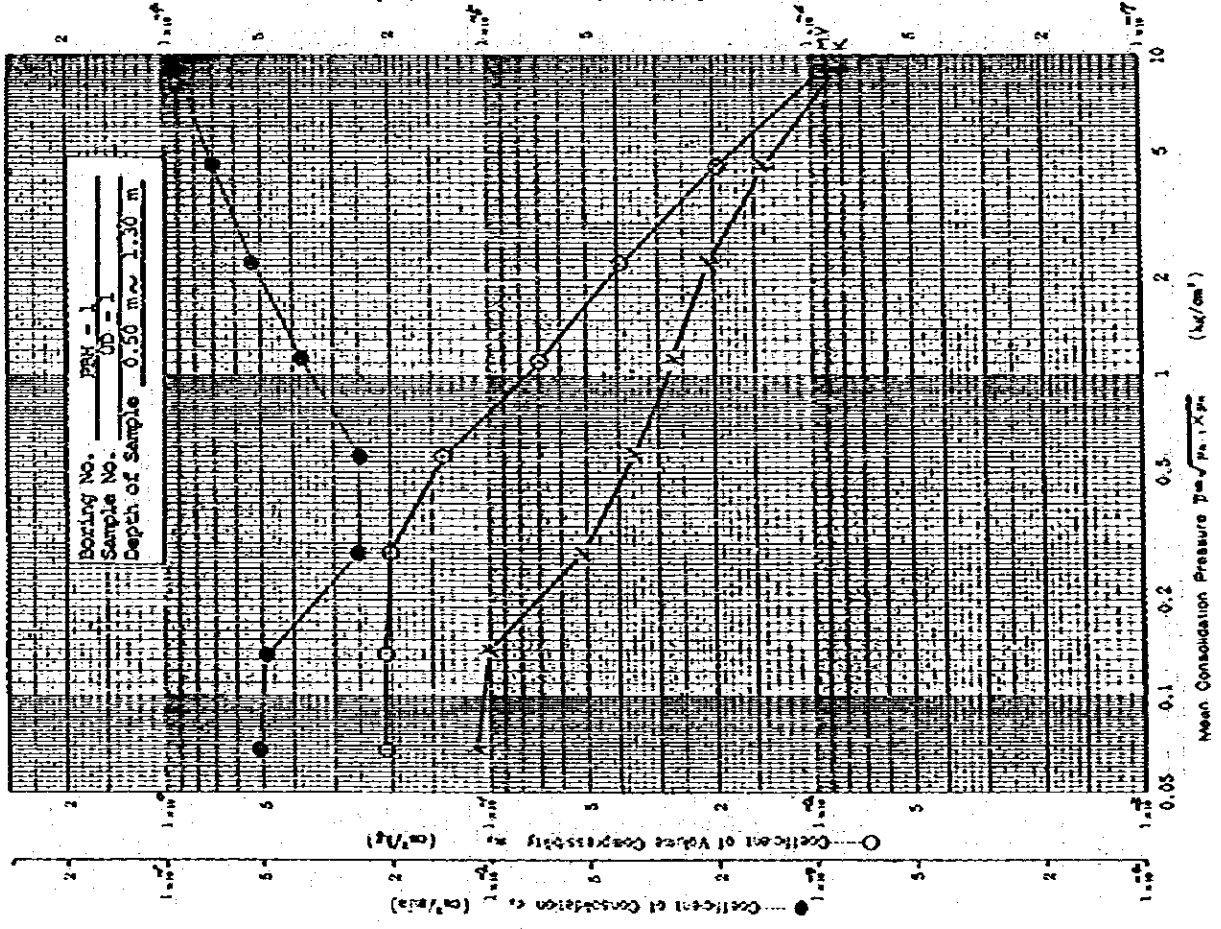


CONSOLIDATION TEST (e-log p curves)

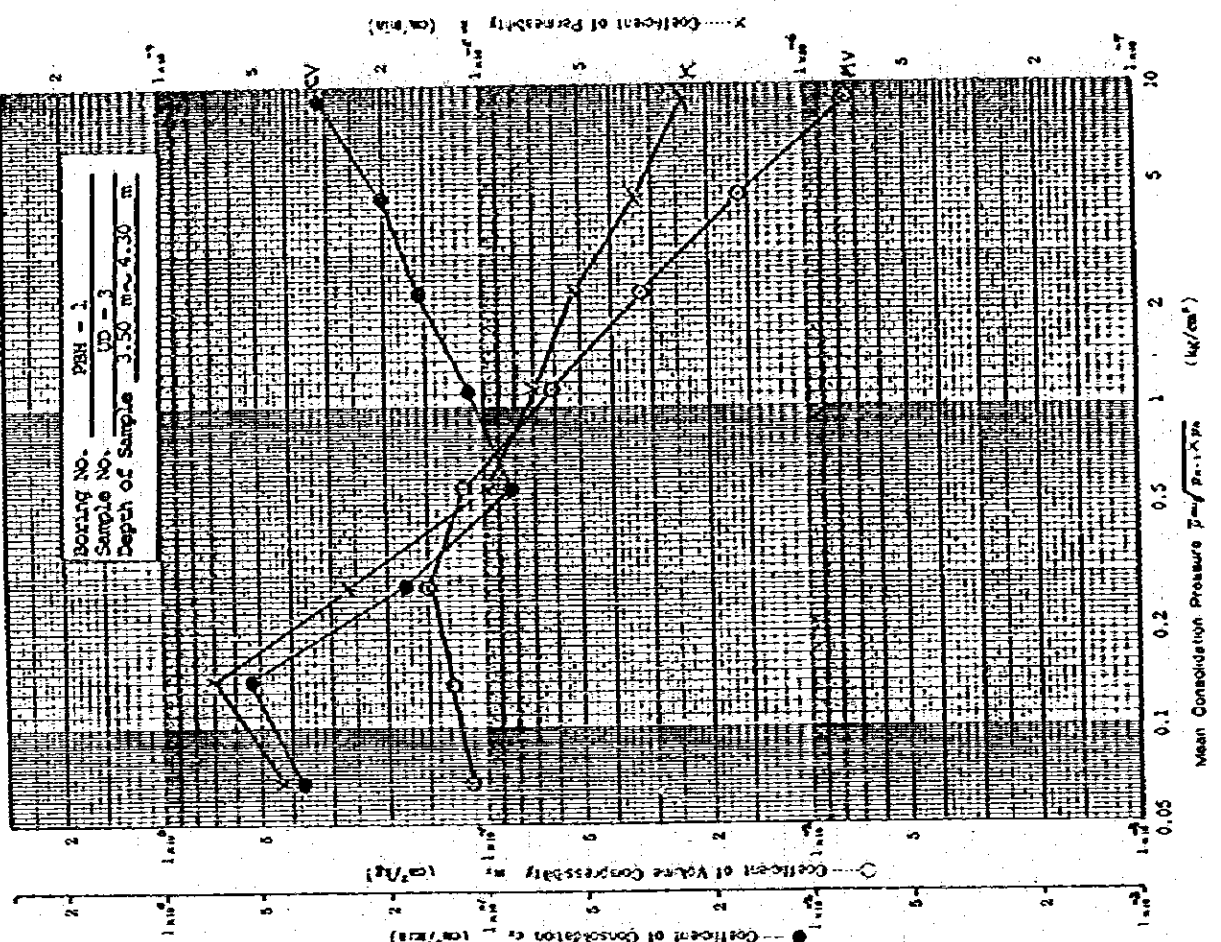
Sample No.	Depth of Sample (m)	Liquid Limit LL (%)	Initial Void Ratio $e_0$	Preconsolidation Pressure $\sigma_p$ (kg/cm <sup>2</sup> )	Compression Index $C_c$	Symbol
UD-4	6.00 ~ 8.50	21.0	0.973	—	0.28	⊙
						△



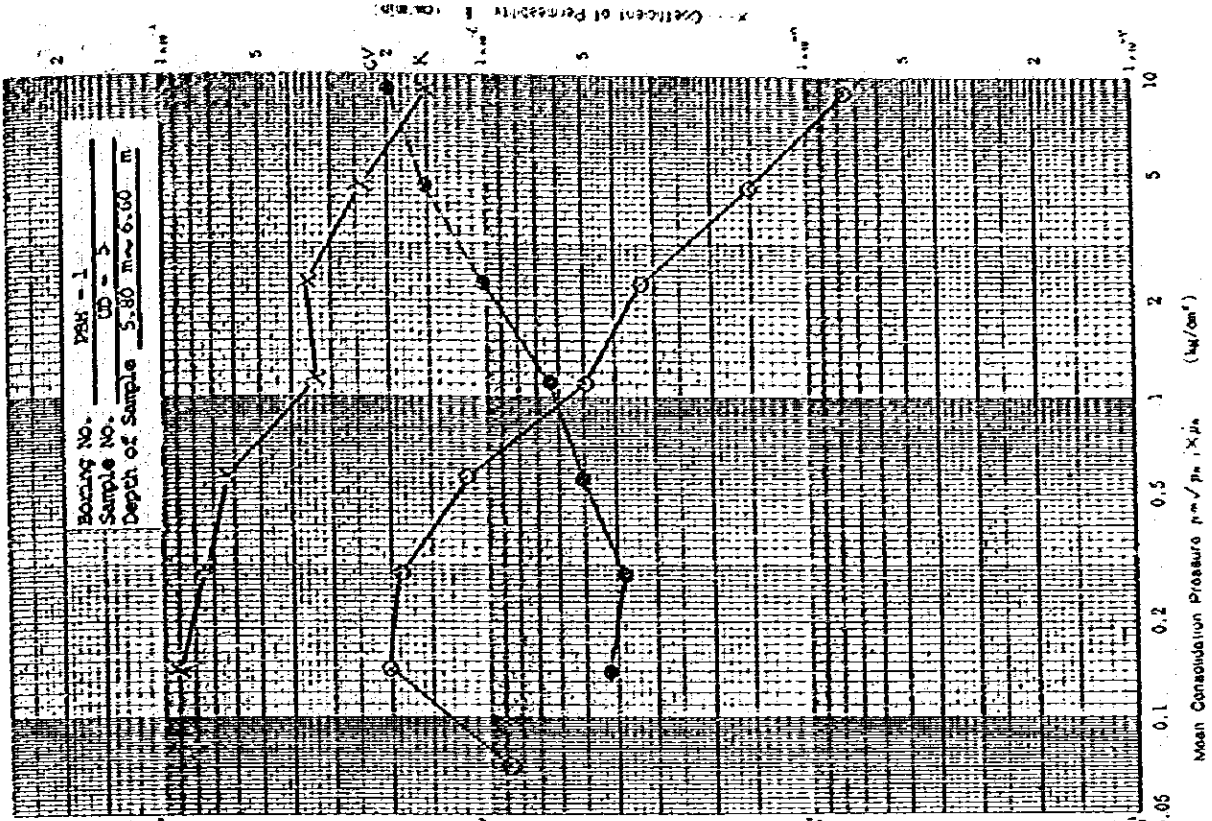
CONSOLIDATION TEST ( $\bar{p}$ - $C_v$ , mv, k, curves)



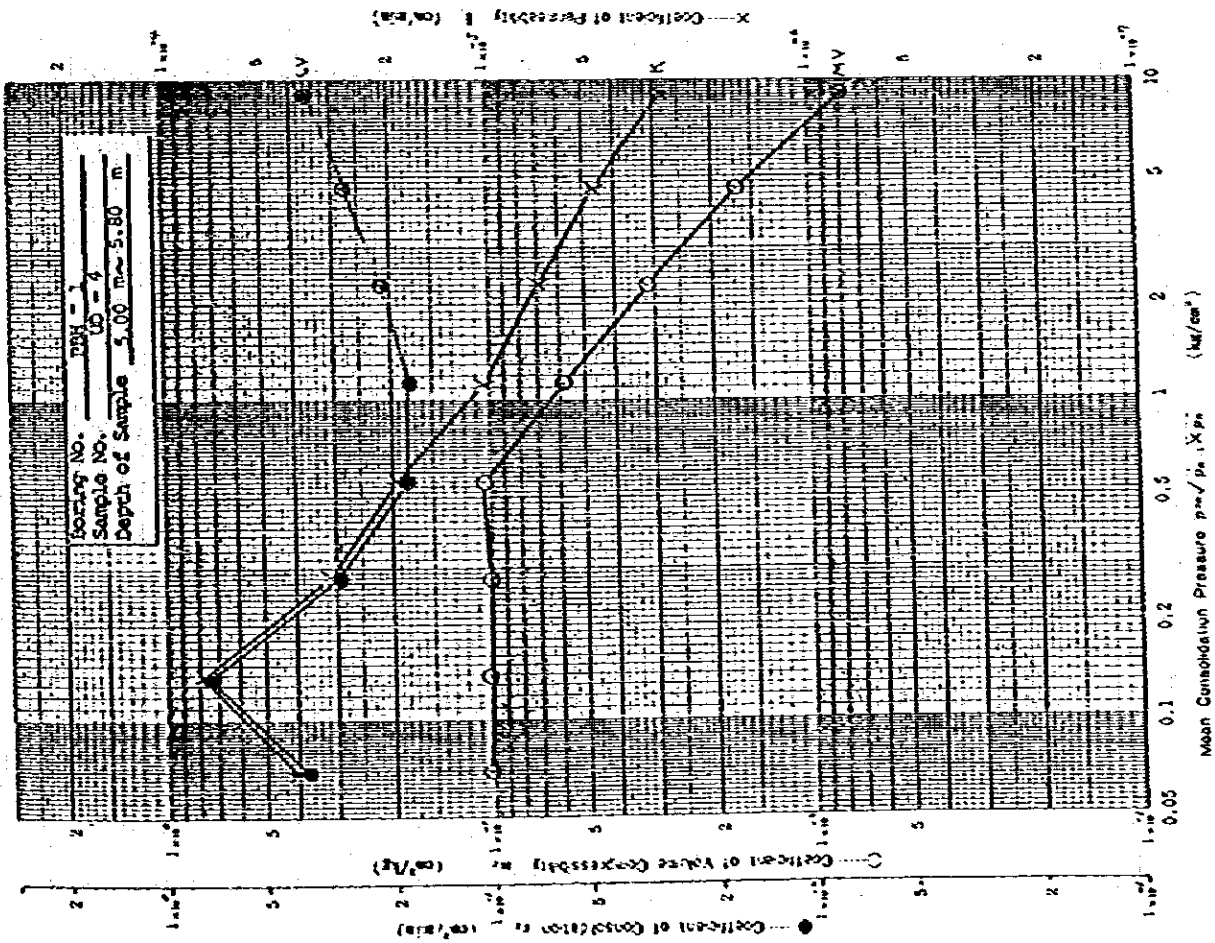
CONSOLIDATION TEST ( $\bar{p}$ - $C_v$ , mv, k, curves)



CONSOLIDATION TEST (p-Cv, mv, k, curves)

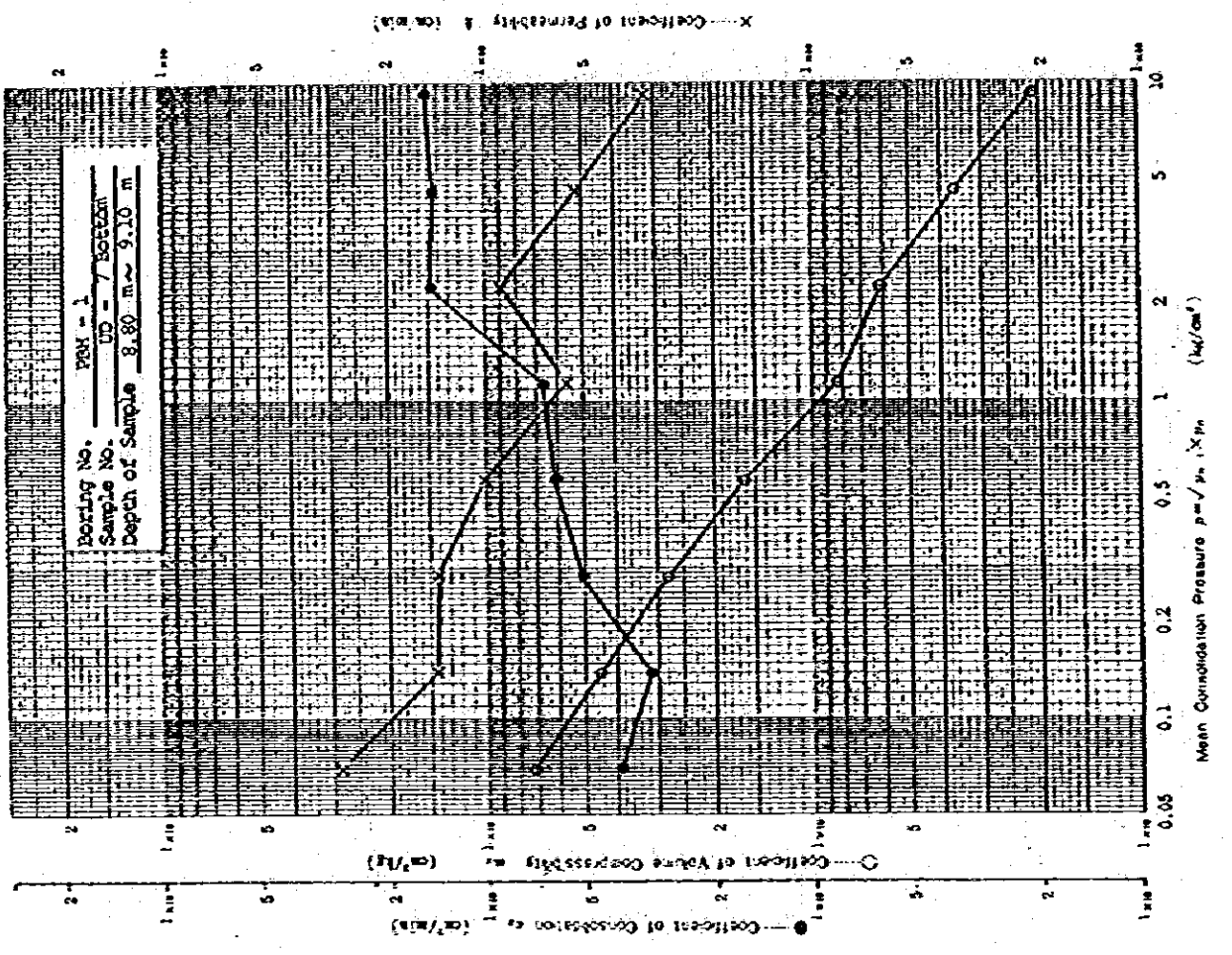


CONSOLIDATION TEST (p-Cv, mv, k, curves)

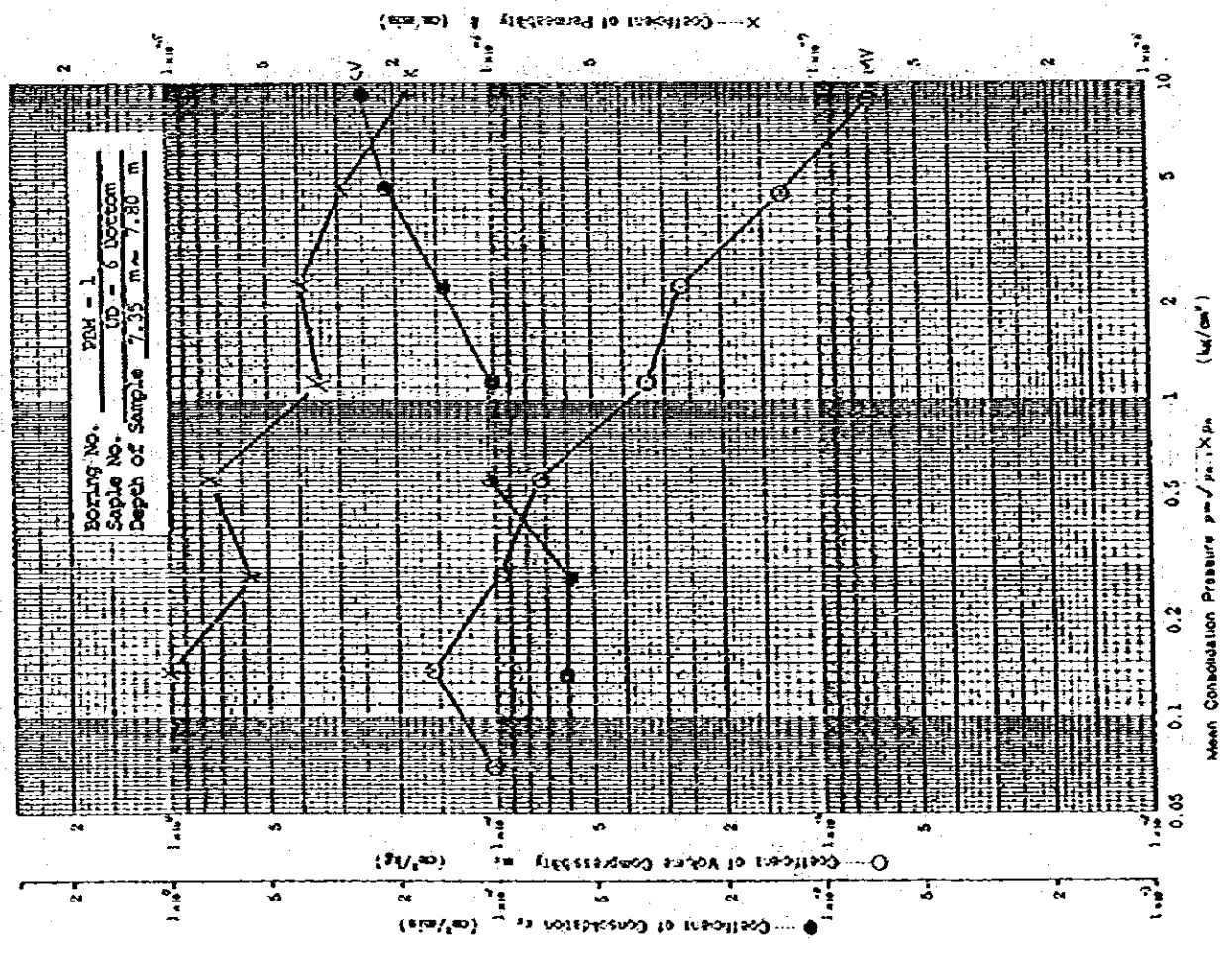




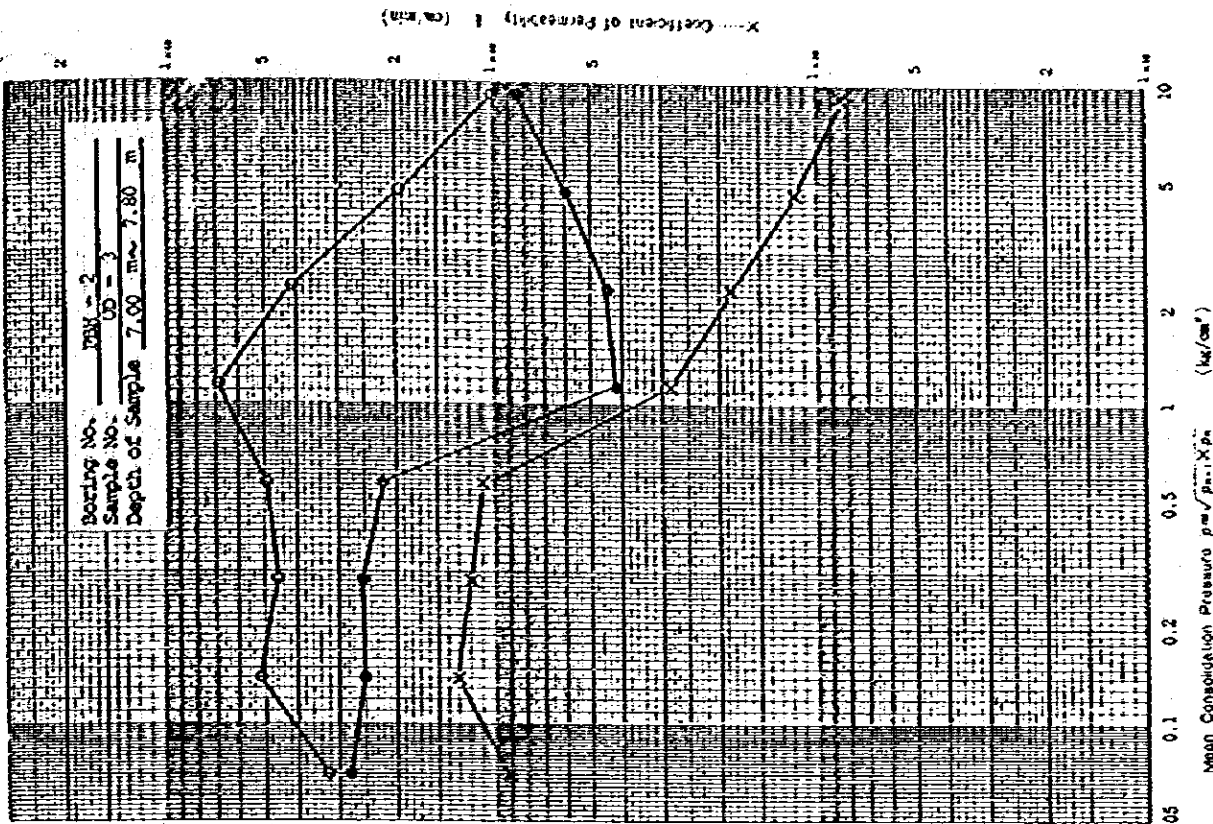
CONSOLIDATION TEST (p-Cv, mv, k, curves)



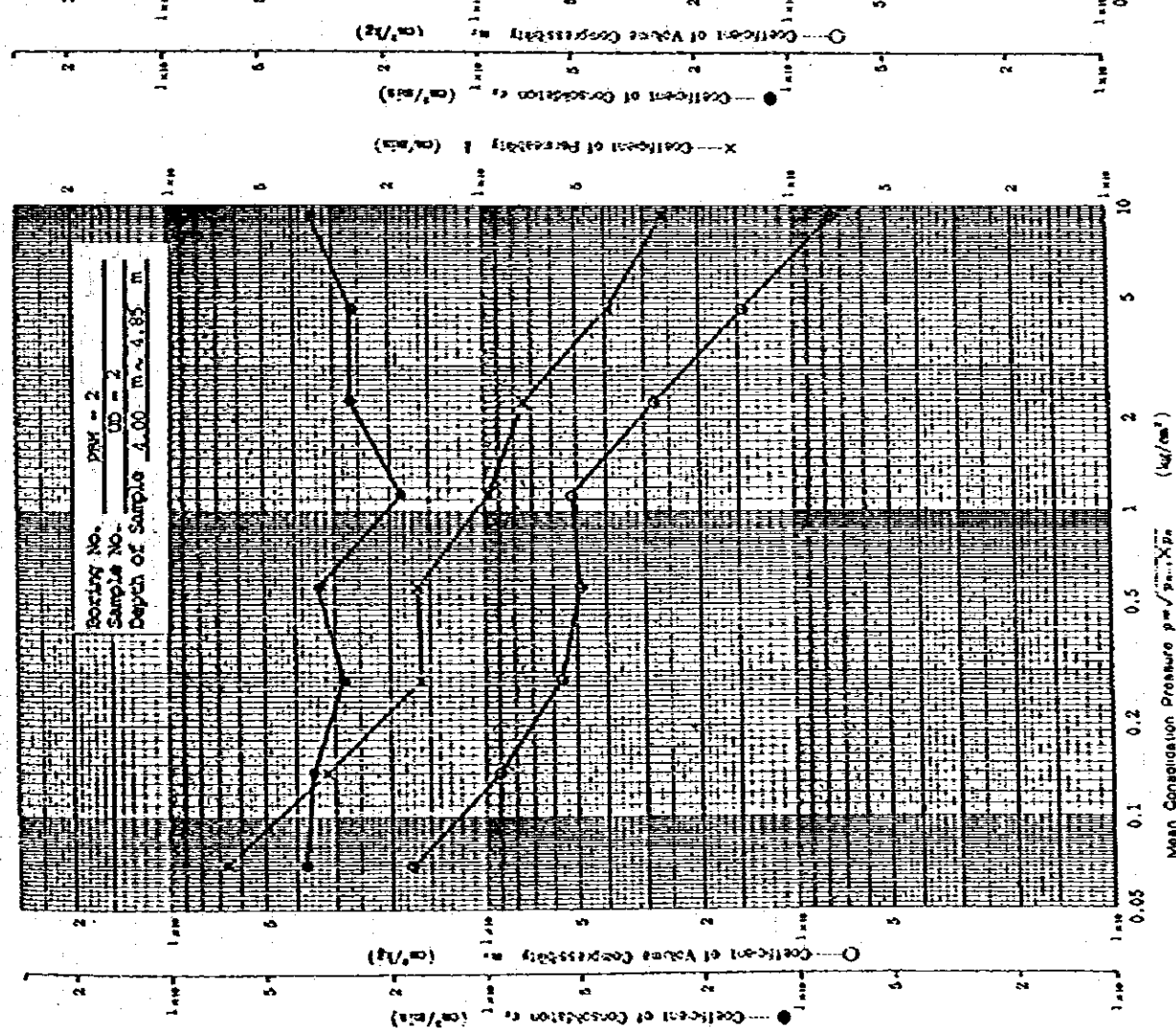
CONSOLIDATION TEST (p-Cv, mv, k, curves)



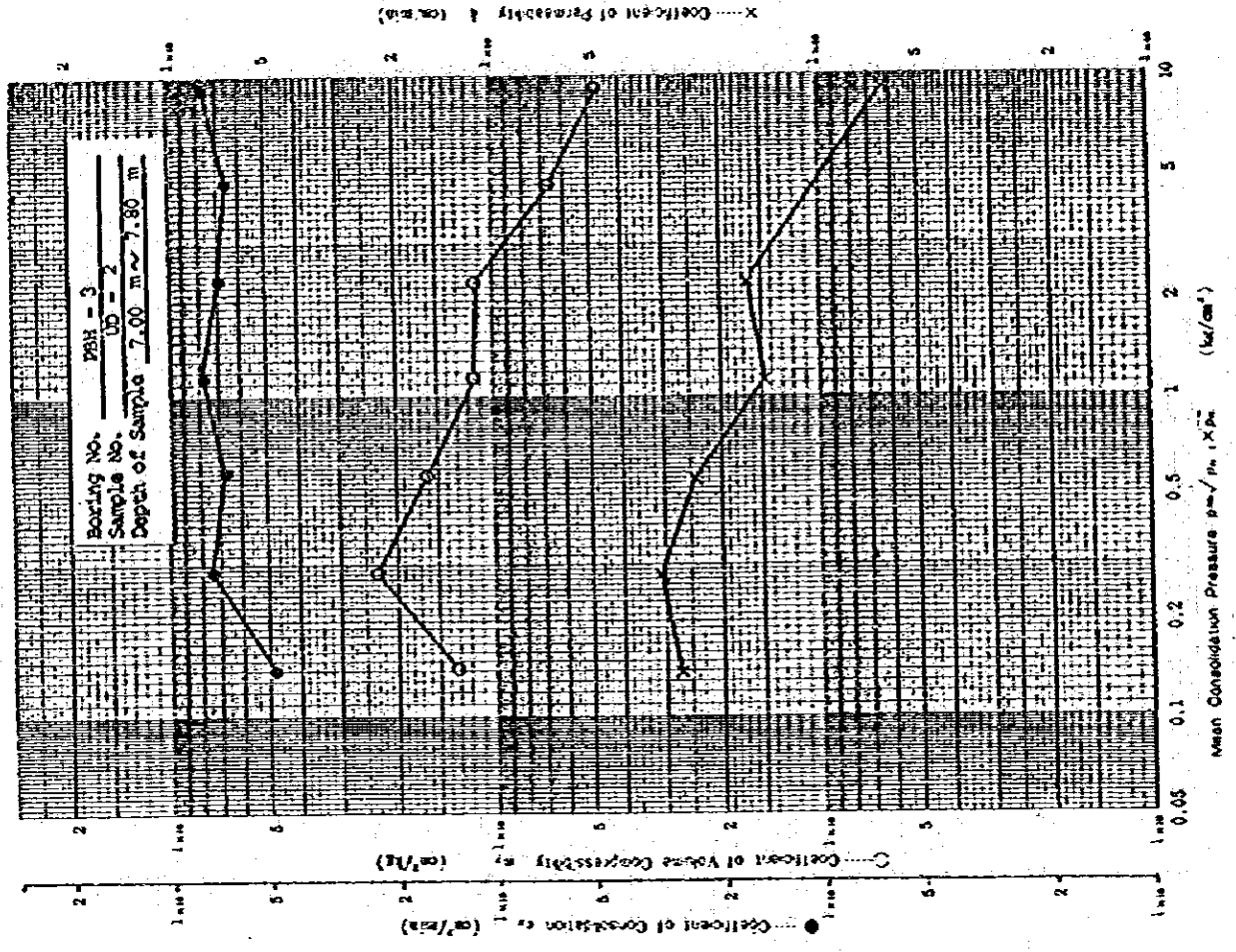
CONSOLIDATION TEST (p-Cv, mv, k, curves)



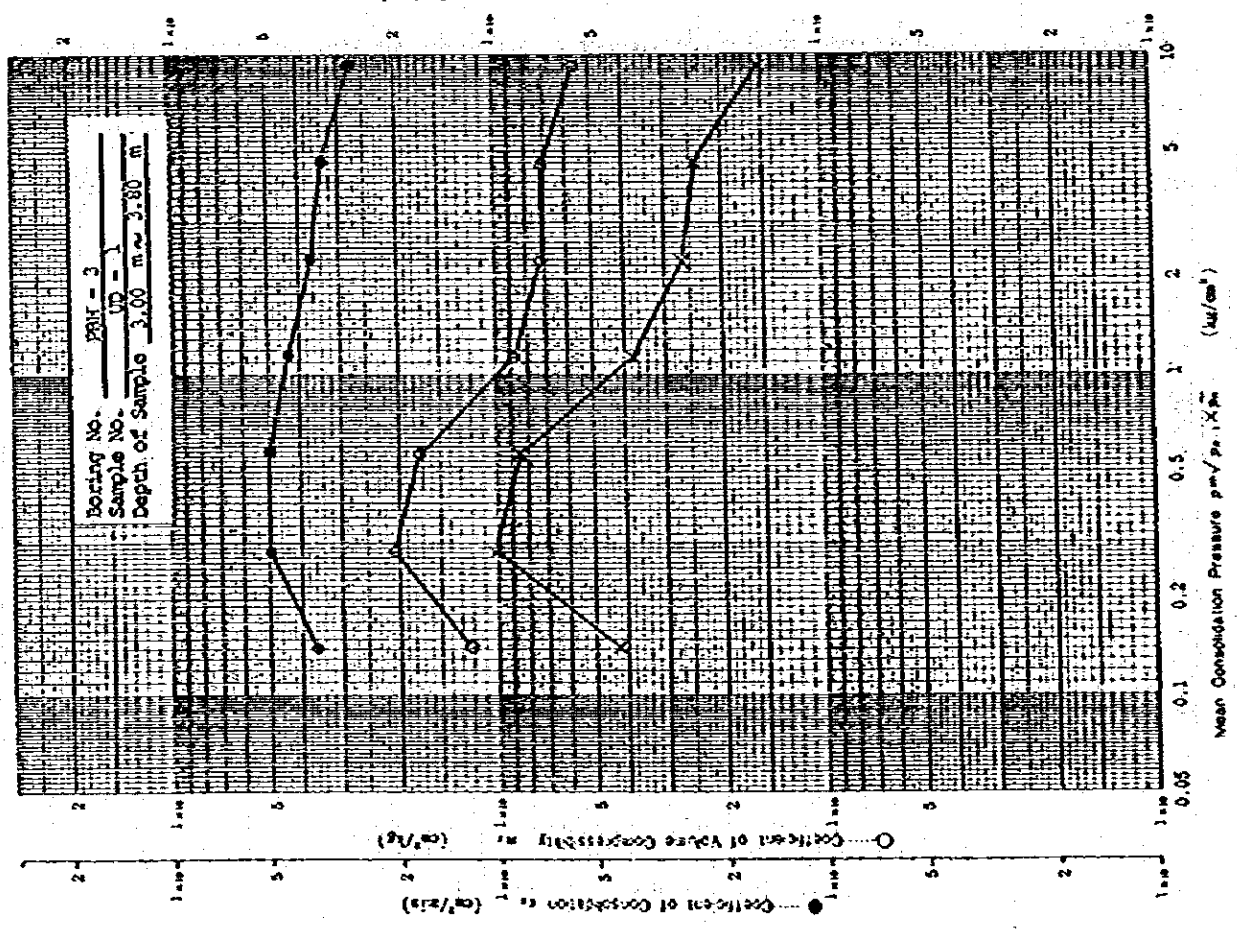
CONSOLIDATION TEST (p-Cv, mv, k, curves)



CONSOLIDATION TEST (p-Cv, mv, k, curves)

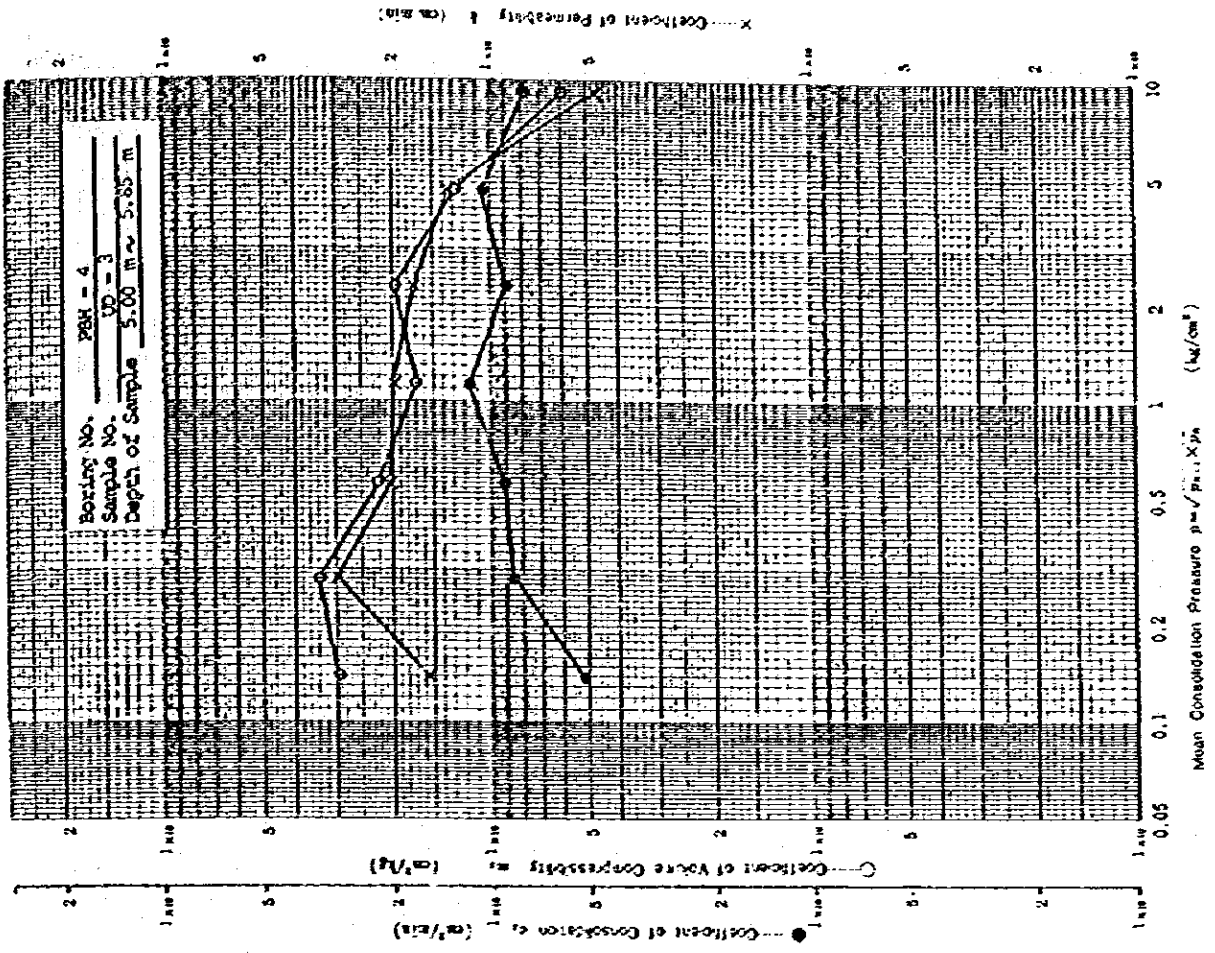


CONSOLIDATION TEST (p-Cv, mv, k, curves)

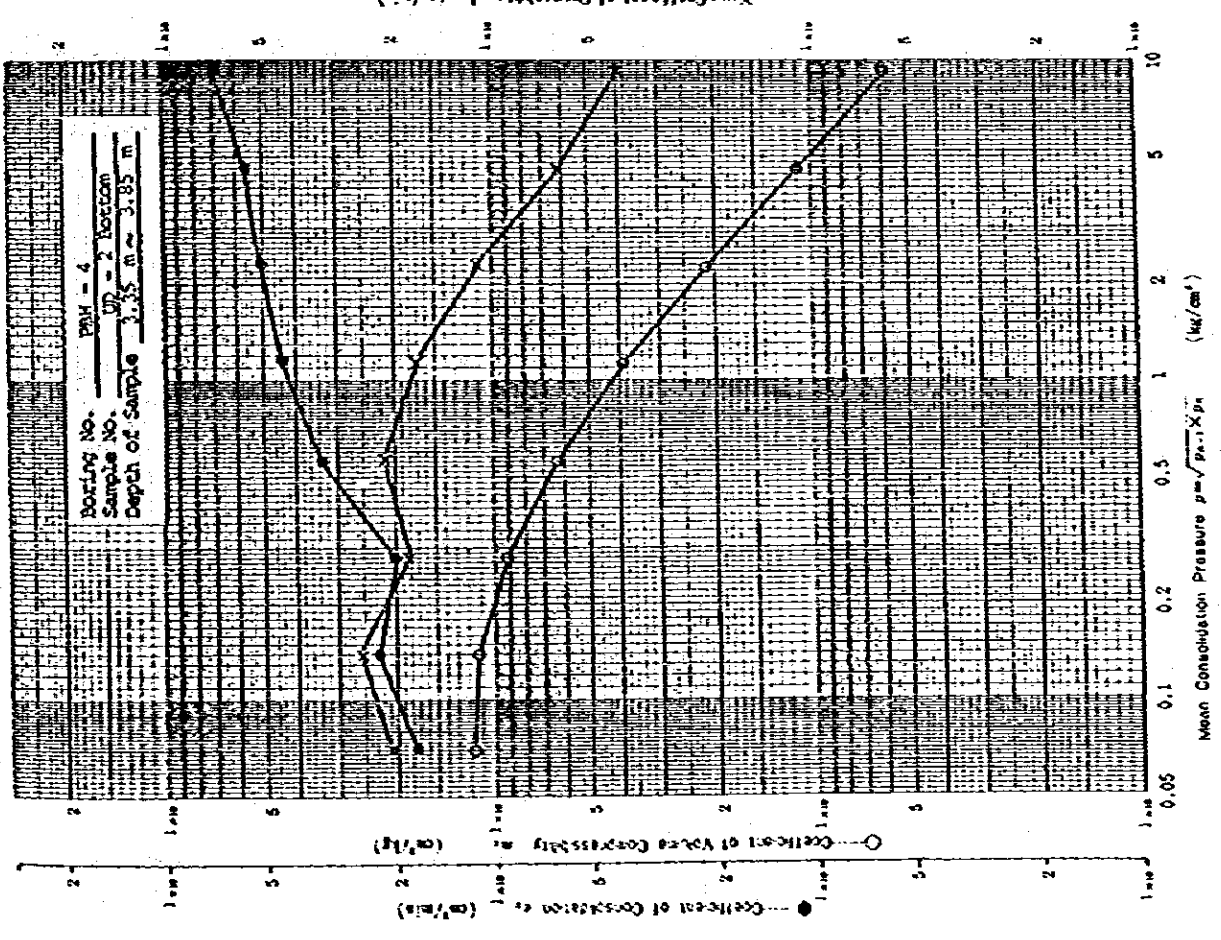




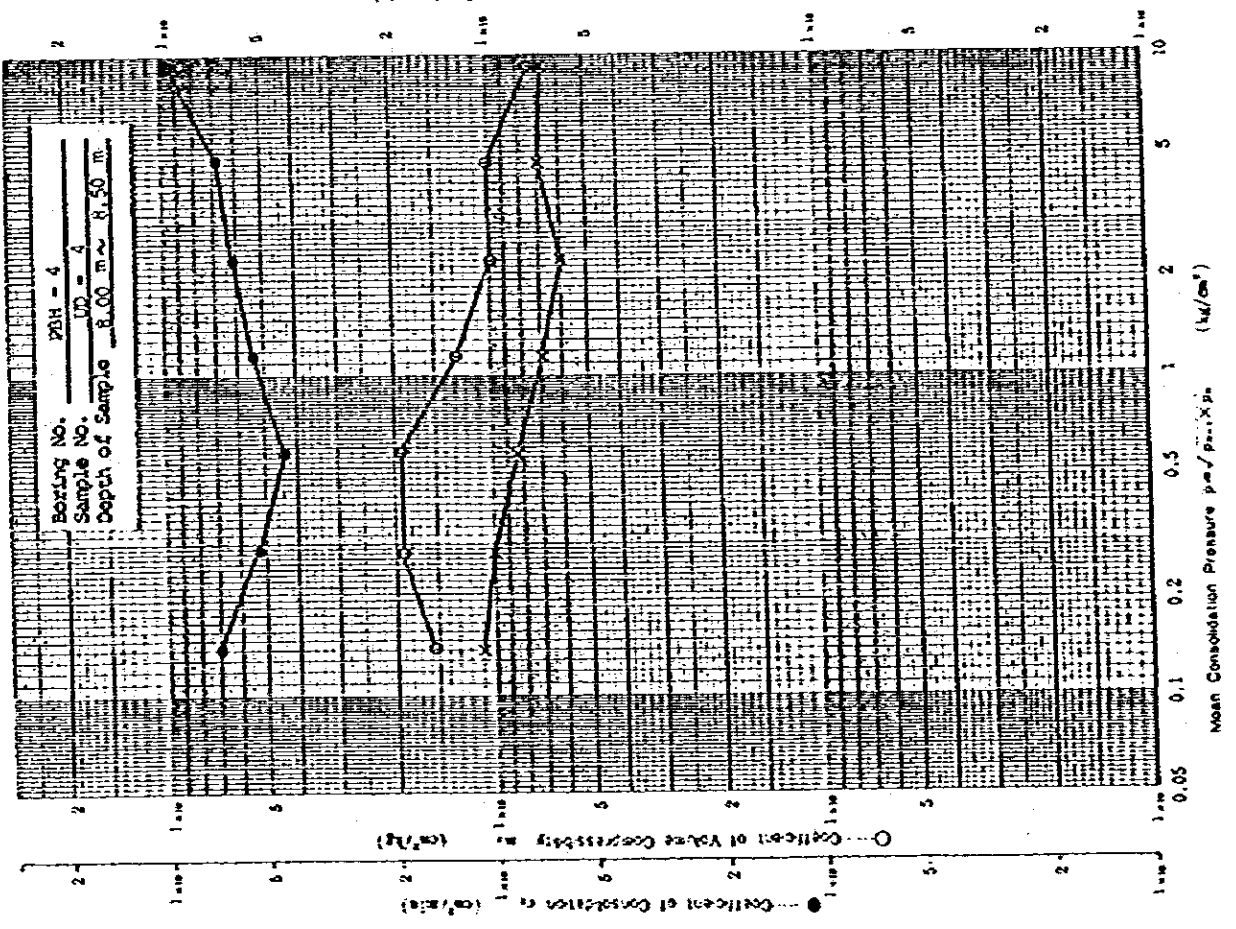
CONSOLIDATION TEST (p-Cv, mv, k, curves)



CONSOLIDATION TEST (p-Cv, mv, k, curves)



CONSOLIDATION TEST (p-Cv, mv, k, curves)



**F.4 Results of Laboratory Soil Tests on Samples from Castlefield North**

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3. Consolidation Test (e-log p curves) .....	F-151
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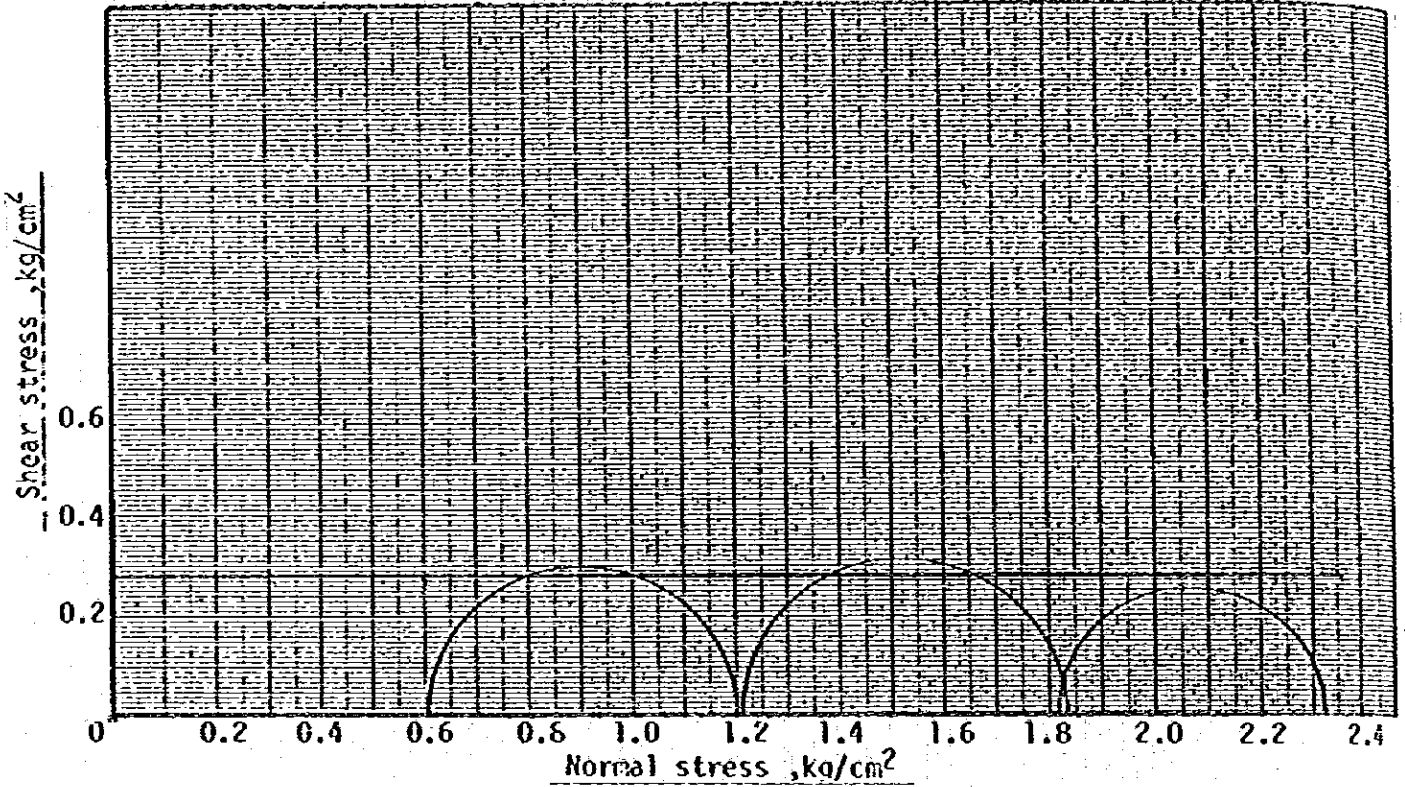
Summary of Soil Test (Castlefield North)

Boring No.	CNBH-1												CNBH-2												CNBH-3					
	UD-1		UD-2		UD-3		UD-4		UD-5		UD-6		UD-1		UD-2		UD-3		UD-1		UD-2		UD-3							
	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom						
Sample No.	6-00	6-20	6-55	7-50	7-50	8-30	9-00	9-50	11-50	12-30	13-00	13-35	16-00	16-80	6-55	6-80	7-45	7-55	8-00	8-55	9-00	9-50	6-55	6-80						
Sample depth	5.20	6.55	6.50	7.50	7.50	8.30	9.00	9.50	12.30	13.30	13.30	13.90	16.80	16.80	6.55	6.80	7.45	7.55	8.00	8.55	9.00	9.50	6.55	6.80						
Condition of sample	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed	Undisturbed						
Natural water content, %	62.3	28.6	41.5	57.1	63.3	50.2	42.3	2.660	2.758	44.3	41.2	41.7	58.6	55.7	62.7	60.5	62.8	62.4	67.5	68.1	73.3	65.5	65.5	65.5						
Specific gravity	2.640	2.652	2.689	2.463	2.495	2.631	2.660	2.660	2.758	2.758	2.785	2.792	2.824	2.824	2.646	2.611	2.629	2.627	2.651	2.651	2.651	2.681	2.681	2.681						
Wet density, g/cm <sup>3</sup>	1.58	1.85	1.73	1.64	1.65	1.69	1.71	1.79	1.83	1.79	1.83	1.87	1.64	1.67	1.68	-	1.60	1.60	1.75	1.59	1.59	1.53	1.61							
Dry density, g/cm <sup>3</sup>	0.97	1.44	1.22	1.04	1.01	1.13	1.20	1.24	1.30	1.32	1.30	1.32	1.03	1.07	1.03	-	0.98	0.99	1.17	0.95	0.95	0.88	0.98							
Natural void ratio	1.71	0.84	1.20	1.36	1.47	1.34	1.21	1.22	1.15	1.12	1.15	1.12	1.54	1.45	1.56	-	1.68	1.67	1.27	1.70	1.80	1.92	1.74							
Degree of saturation, %	96	90	93	100	100	100	92	100	100	100	100	100	100	100	100	-	99	99	100	100	100	98	99							
Liquid limit, %	69.6	-	42.3	43.2	51.0	52.0	35.9	51.6	48.0	39.6	39.6	39.6	58.8	57.3	-	-	57.0	56.0	-	54.2	65.0	70.8	54.9							
Plastic limit, %	36.0	-	24.2	28.2	33.1	20.0	22.1	24.3	23.5	24.4	24.4	24.4	30.1	34.6	-	-	35.3	31.8	-	31.0	34.0	31.4	27.3							
Plasticity Index	33.6	-	18.1	15.0	17.9	26.0	13.8	27.3	24.5	15.2	15.2	15.2	28.7	22.7	-	-	21.7	24.2	-	23.2	31.0	39.4	27.6							
Gravel, %	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0							
Sand, %	1	16	1	13	6	1	27	0	2	6	6	6	0	11	50	2	1	0	29	13	2	0	1							
Silt, %	46	70	60	60	60	50	38	49	58	63	58	63	15	48	29	47	50	51	47	57	48	11	43							
Clay & colloid, %	53	14	39	26	34	49	35	51	40	31	40	31	85	41	21	51	49	49	24	28	50	89	56							
Max. diameter, mm	0.105	0.84	0.105	4.76	0.84	0.105	0.420	0.074	0.250	0.250	0.250	0.250	0.025	0.430	2.00	0.420	0.105	0.040	2.000	4.76	0.250	0.013	0.105							
Clam. at 60%	0.0062	0.036	0.012	0.030	0.014	0.0090	0.043	0.0073	0.013	0.017	0.013	0.017	0.0013	0.012	0.160	0.068	0.0068	0.0069	0.035	0.019	0.0069	-	0.0057							
Clam. at 10%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
Visual soil description	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt	Sandy Silty Clayey Silt	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt	Clayey Silty Clayey Silt							
Unified soil classification	MH	(ML)	(ML)	ML	(MH)	(MH)	(CL)	(MH)	(MH)	(ML)	(ML)	(ML)	CH	MH	(SM)	(SM)	MH	MH	(SM)	MH	MH	CH	MH							
Unconfined compression test	-	-	-	0.46	-	-	-	-	0.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
Swelling test	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
Triaxial compression test	-	-	-	5.5	-	-	-	-	9.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
Consolidation test	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
Compression test	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
Lab. Shear	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
Shear	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							

**TRIAXIAL COMPRESSION TEST (Mohr's circle)**

Project 267  
 Condition of drainage U-U

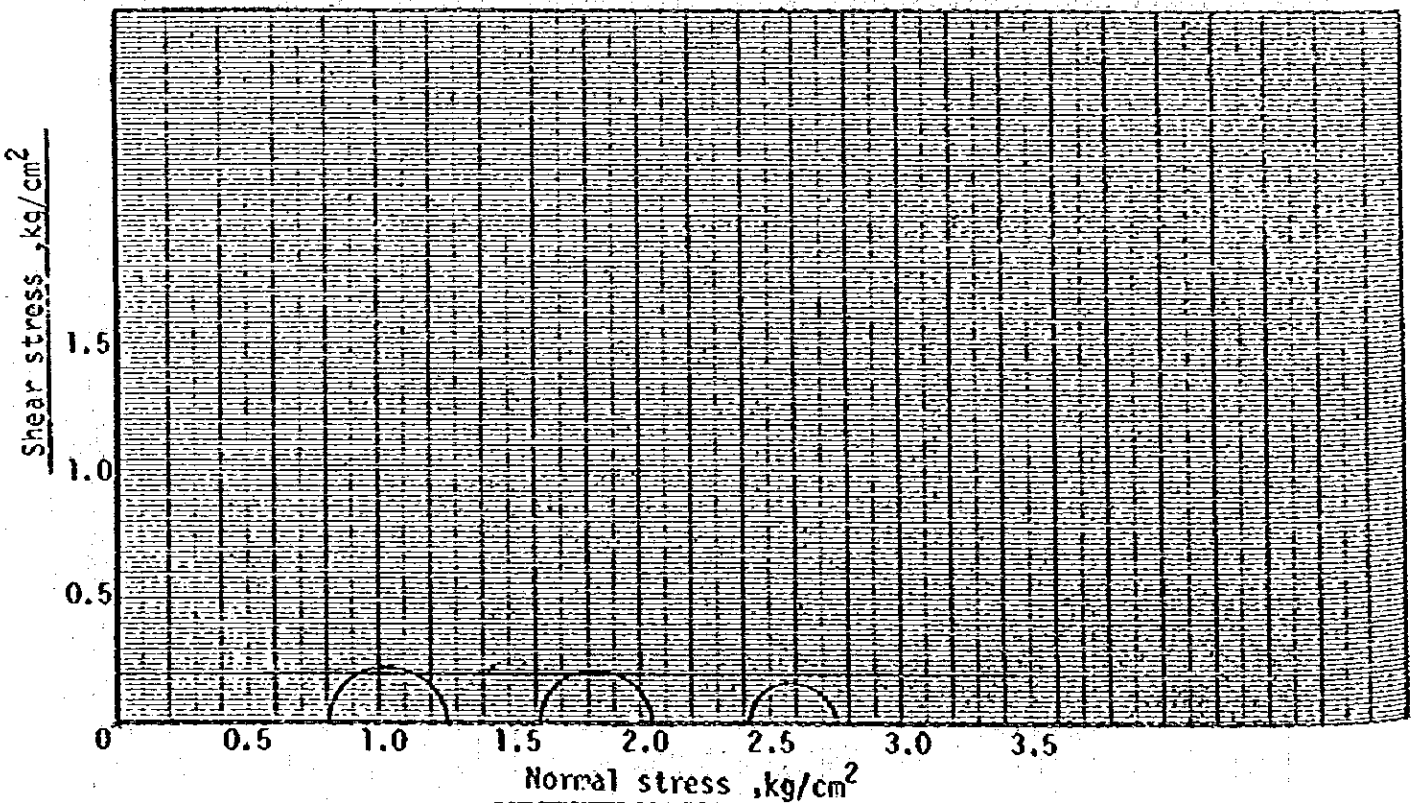
Boring No. CNBH-1 Sample No. UD-28bottom  
 Depth of Sample 7.75 m. 8.30 m  
 Angle of internal friction 0°  
 Cohesion 0.23 kg/cm<sup>2</sup>



**TRIAXIAL COMPRESSION TEST (Mohr's circle)**

Project 267  
 Condition of drainage U-U

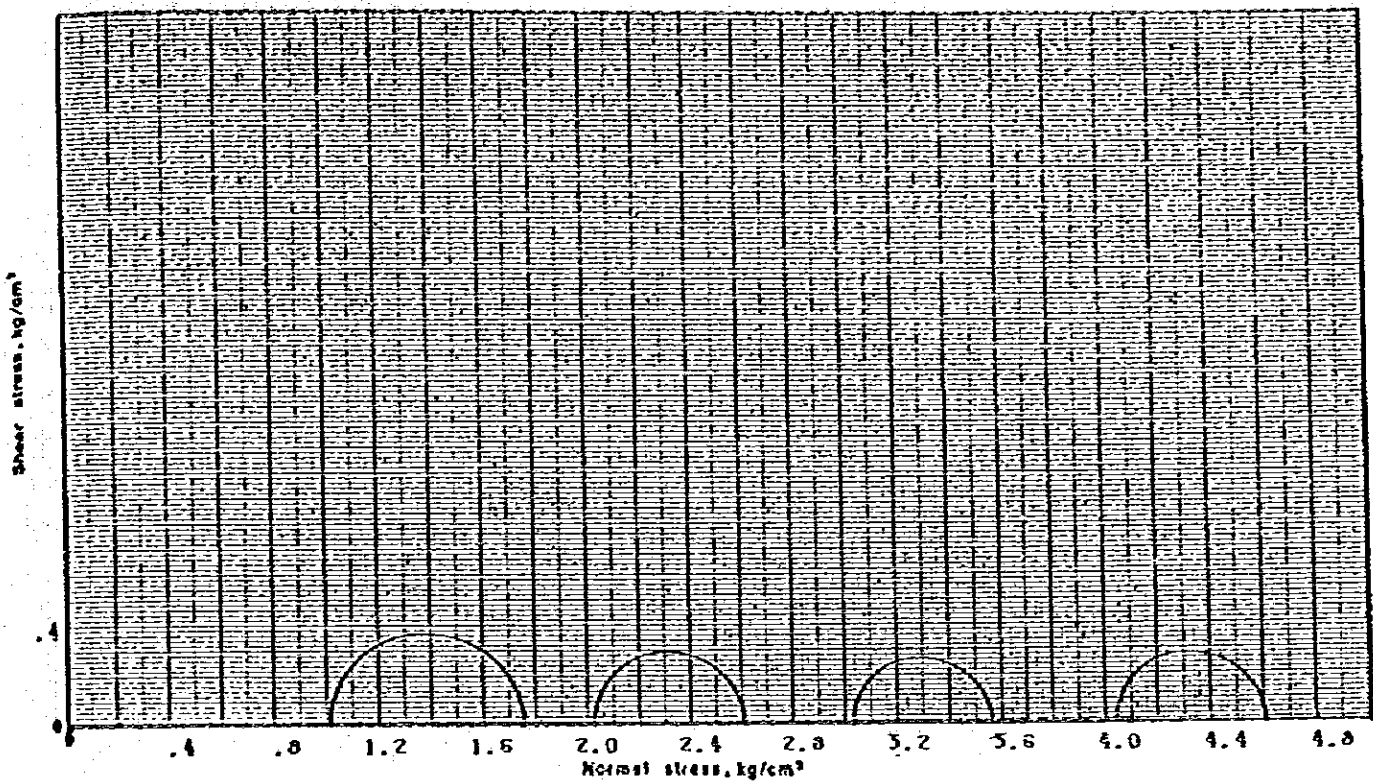
Boring No. CNBH-1 Sample No. UD-37cp  
 Depth of Sample 9.00 m. 9.50 m  
 Angle of internal friction 0°  
 Cohesion 0.20 kg/cm<sup>2</sup>



**TRIAxIAL COMPRESSION TEST (Mohr's circle)**

Project 267  
 Condition of drainage U-U

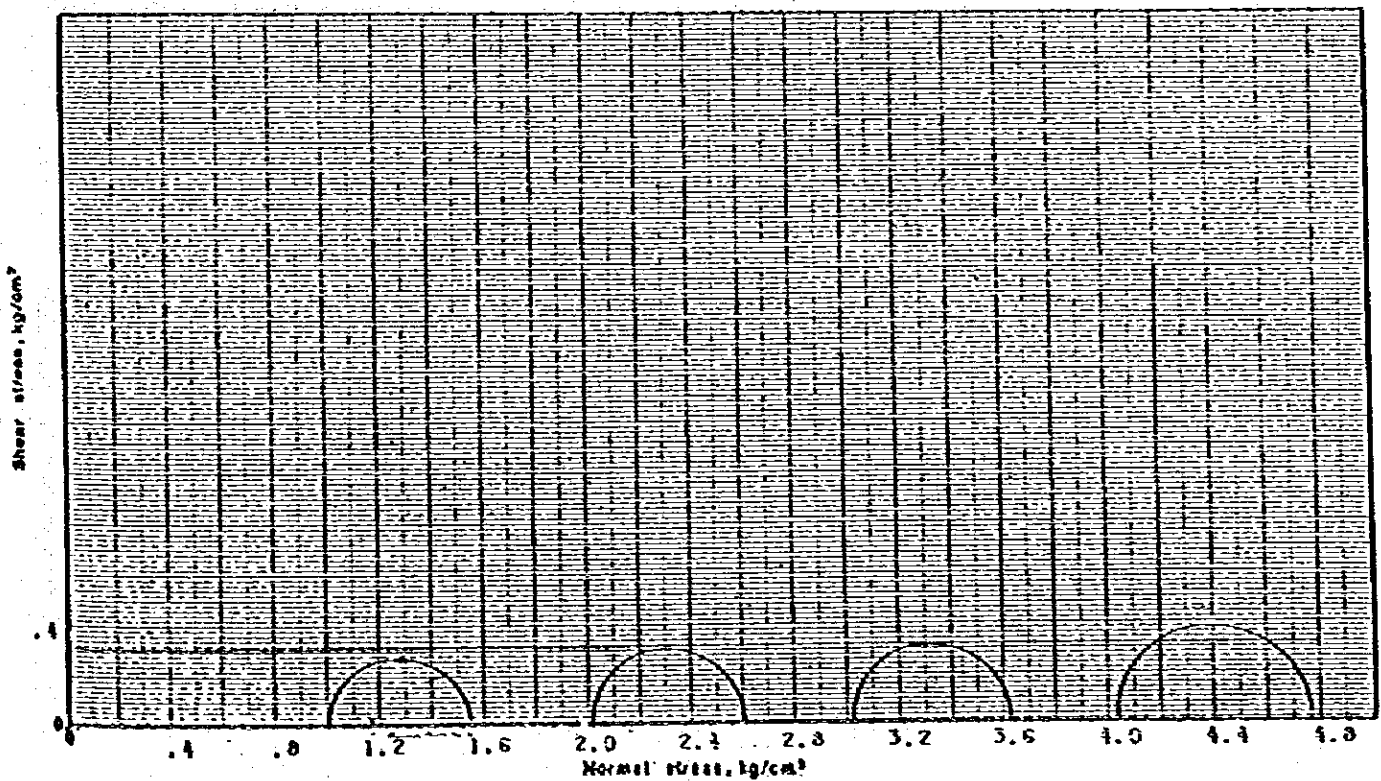
Boring No. CNBH-1 Sample No. UD-4  
 Depth of Sample 11.50 m - 12.30 m  
 Angle of internal friction 0°  
 Cohesion 0.30 kg/cm<sup>2</sup>



**TRIAxIAL COMPRESSION TEST (Mohr's circle)**

Project 257  
 Condition of drainage U-U

Boring No. CNBH-1 Sample No. UD-5Bottom  
 Depth of Sample 13.35 m - 13.80 m  
 Angle of internal friction 0°  
 Cohesion 0.31 kg/cm<sup>2</sup>

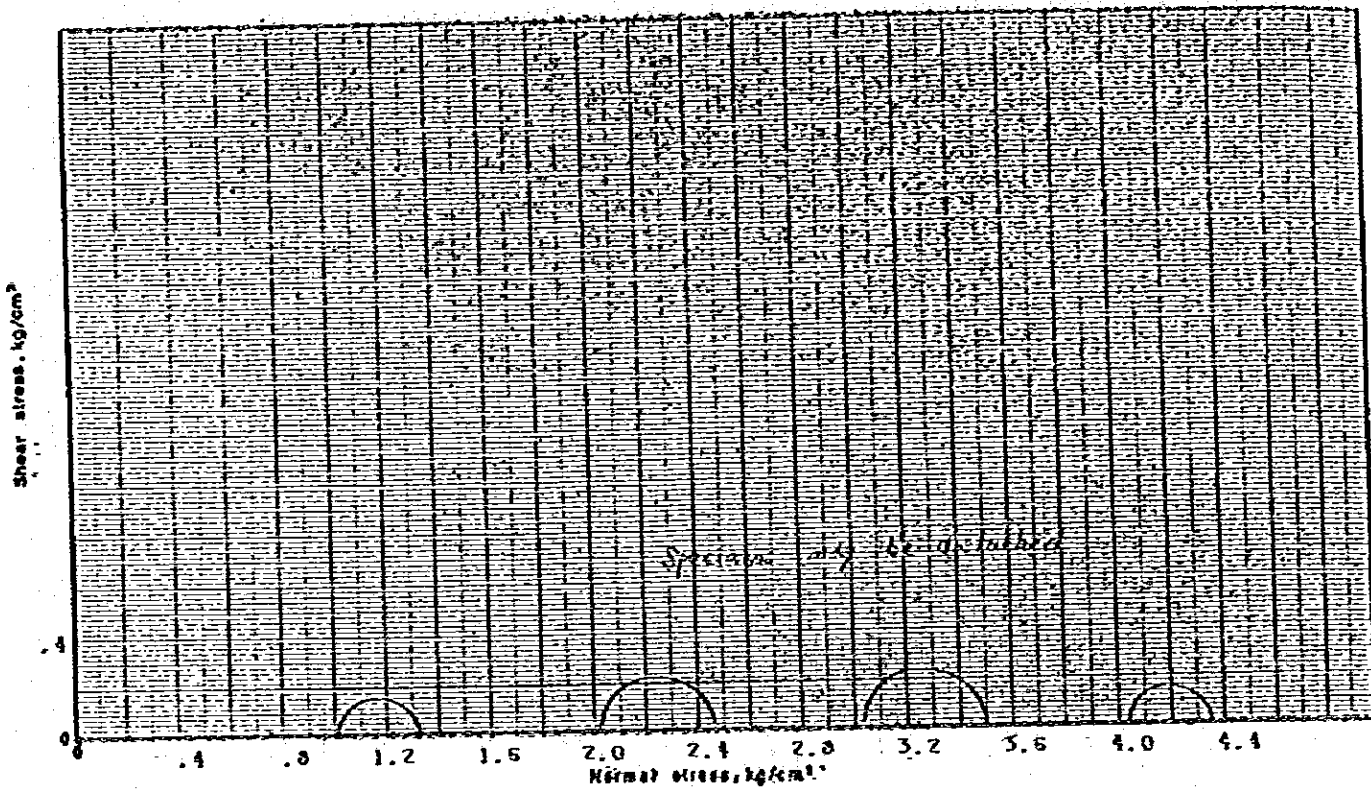




TRIAxIAL COMPRESSION TEST (Mohr's circle)

Project 267  
 Condition of drainage U-U

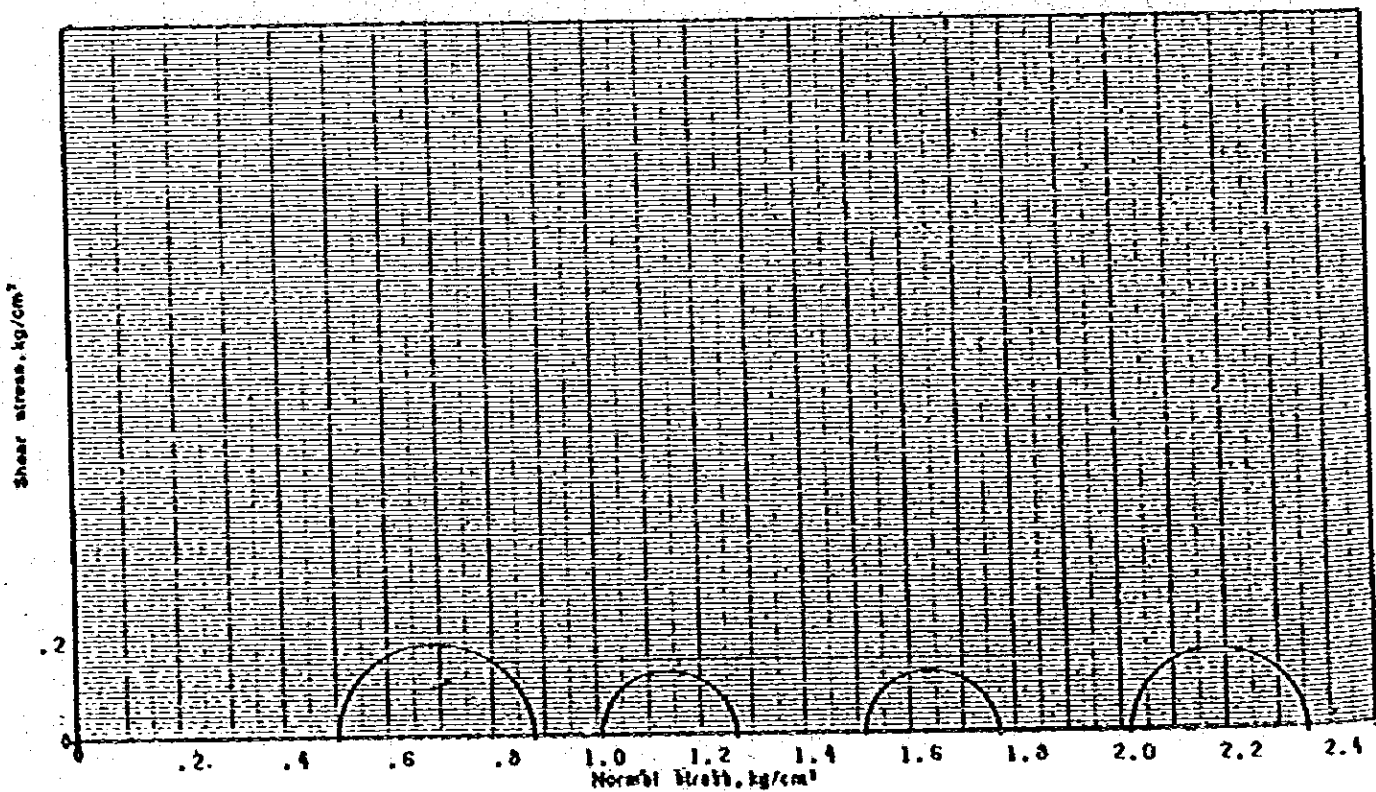
Soiling No. CNBH-1 Sample No. UD-6  
 Depth of Sample 15.00 m. 16.80 m  
 Angle of Internal Friction 0°  
 Cohesion 10.19 kg/cm<sup>2</sup>



TRIAxIAL COMPRESSION TEST (Mohr's circle)

Project 267  
 Condition of drainage U-U

Soiling No. CNBH-2 Sample No. UD-110  
 Depth of Sample 6.00 m. 6.55 m  
 Angle of Internal Friction 0°  
 Cohesion 0.15 kg/cm<sup>2</sup>

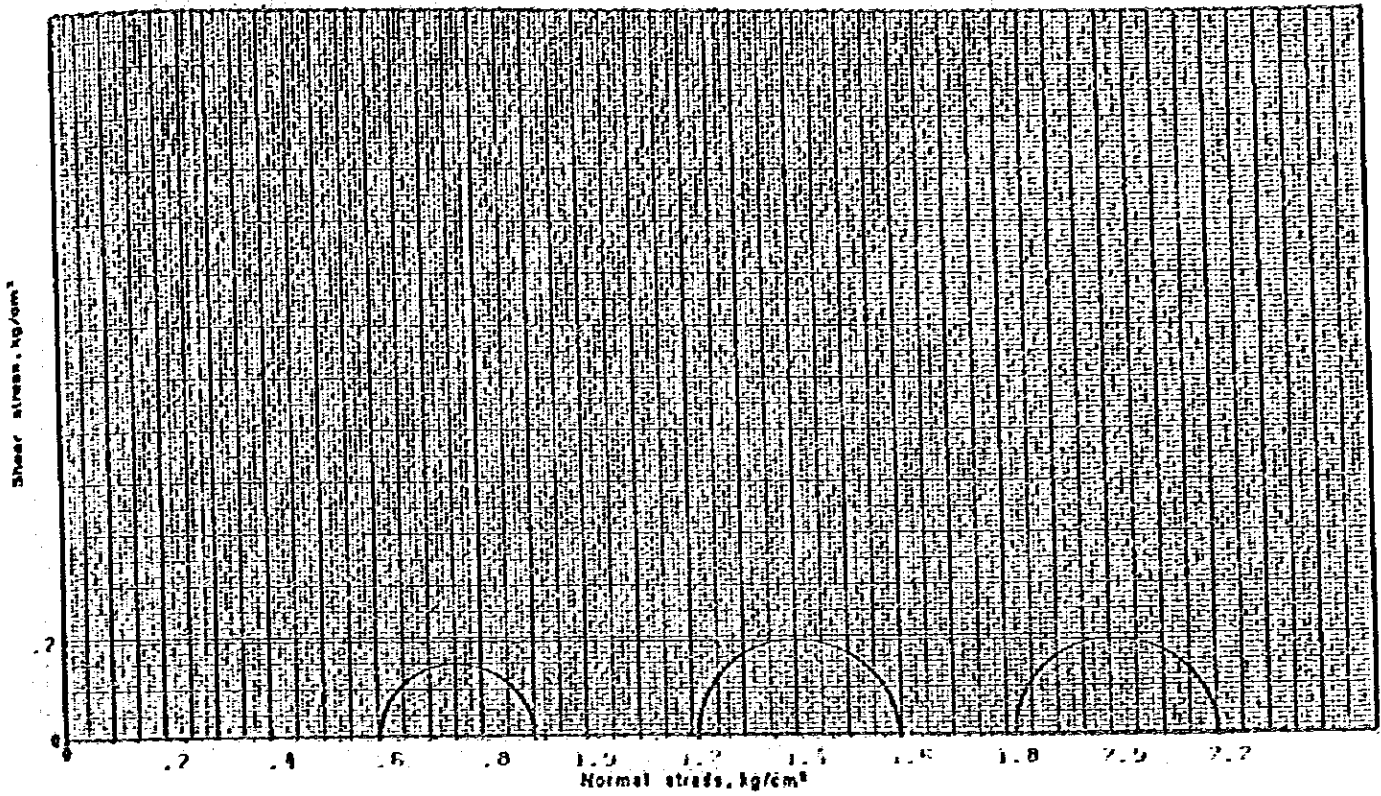




# TRIAXIAL COMPRESSION TEST (Mohr's circles)

Project 267  
 Condition of drainage U-U

Boring No. U-211-7 Sample No. UU-210p  
 Depth of Sample 5.11 m = 3.69 m  
 Angle of Internal Friction 0°  
 Cohesion 0.18 kg/cm<sup>2</sup>



# TRIAXIAL COMPRESSION TEST (Mohr's circles)

Project 267  
 Condition of drainage U-U

Boring No. CBH-2 Sample No. UU-26bottom  
 Depth of Sample 5.59 m = 5.80 m  
 Angle of Internal Friction 0°  
 Cohesion 0.22 kg/cm<sup>2</sup>

