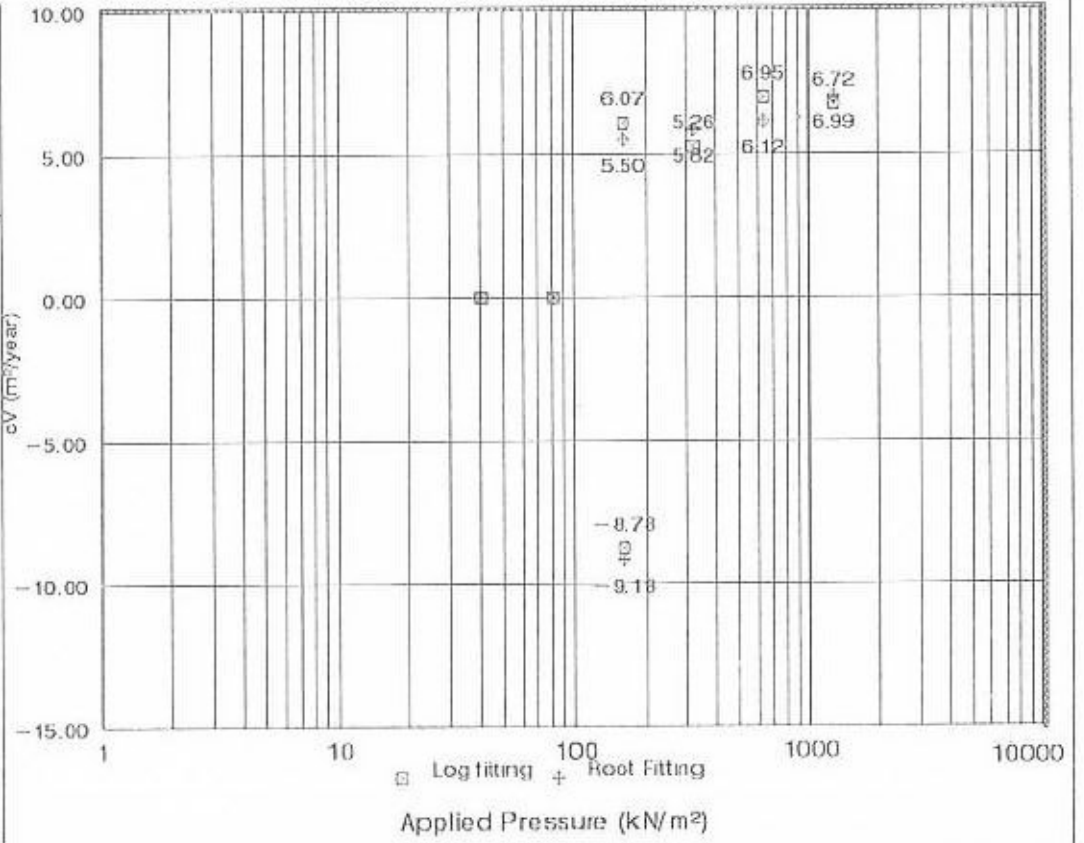


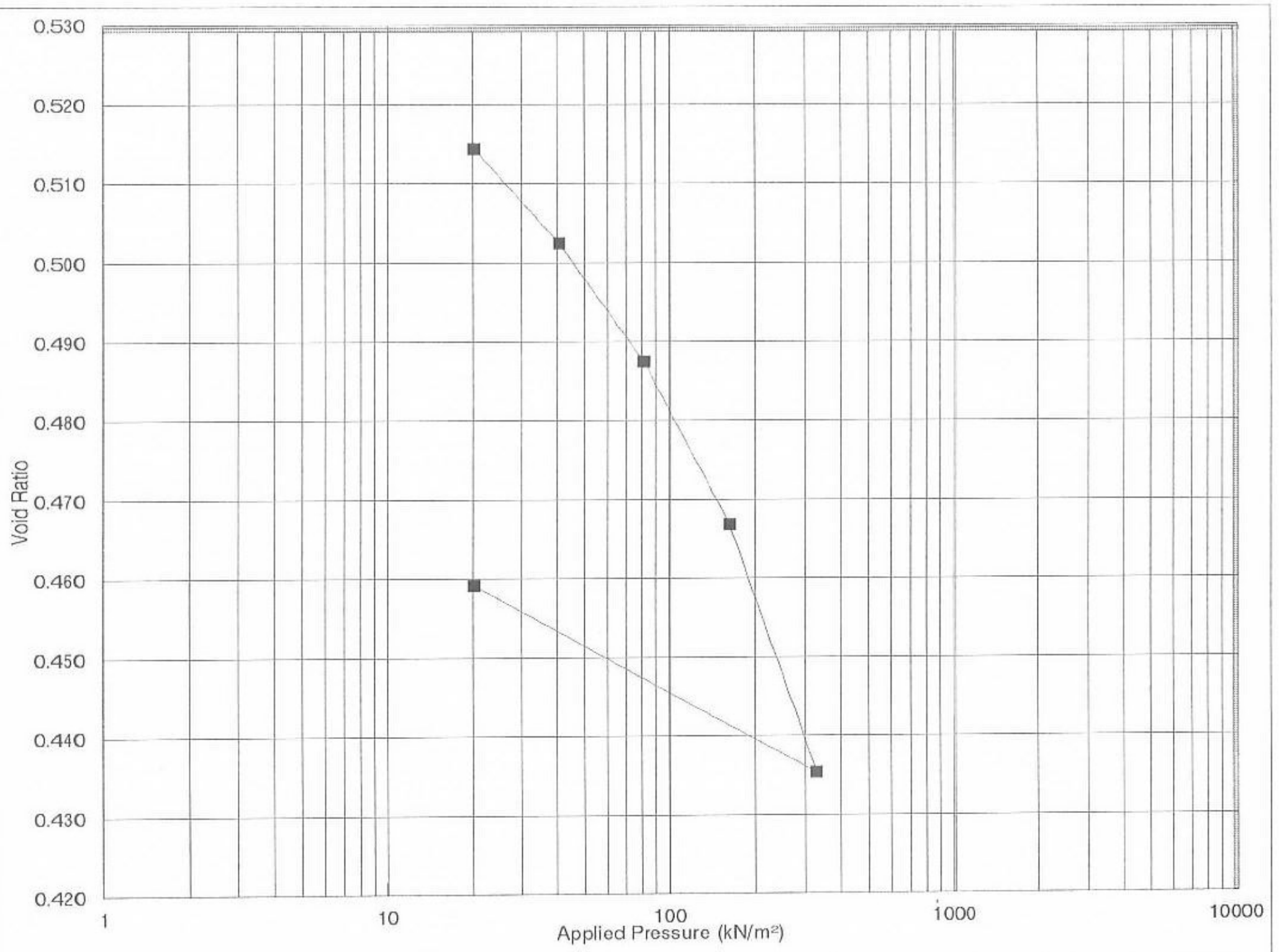
Pressure Range kN/m²	Coefficient of Consolidation m²/year		Coefficient of Volume Compressibility m²/MN
	Log Fitting	Root Fitting	
0 – 40	Spec. Swelled	Spec. Swelled	-0.047
40 – 81	Spec. Swelled	Spec. Swelled	-0.066
81 – 161	6.07	5.50	0.054
161 – 323	5.26	5.82	0.086
323 – 646	6.95	6.12	0.044
646 – 1292	6.72	6.99	0.031
1292 – 161	-8.78	-9.18	-0.011



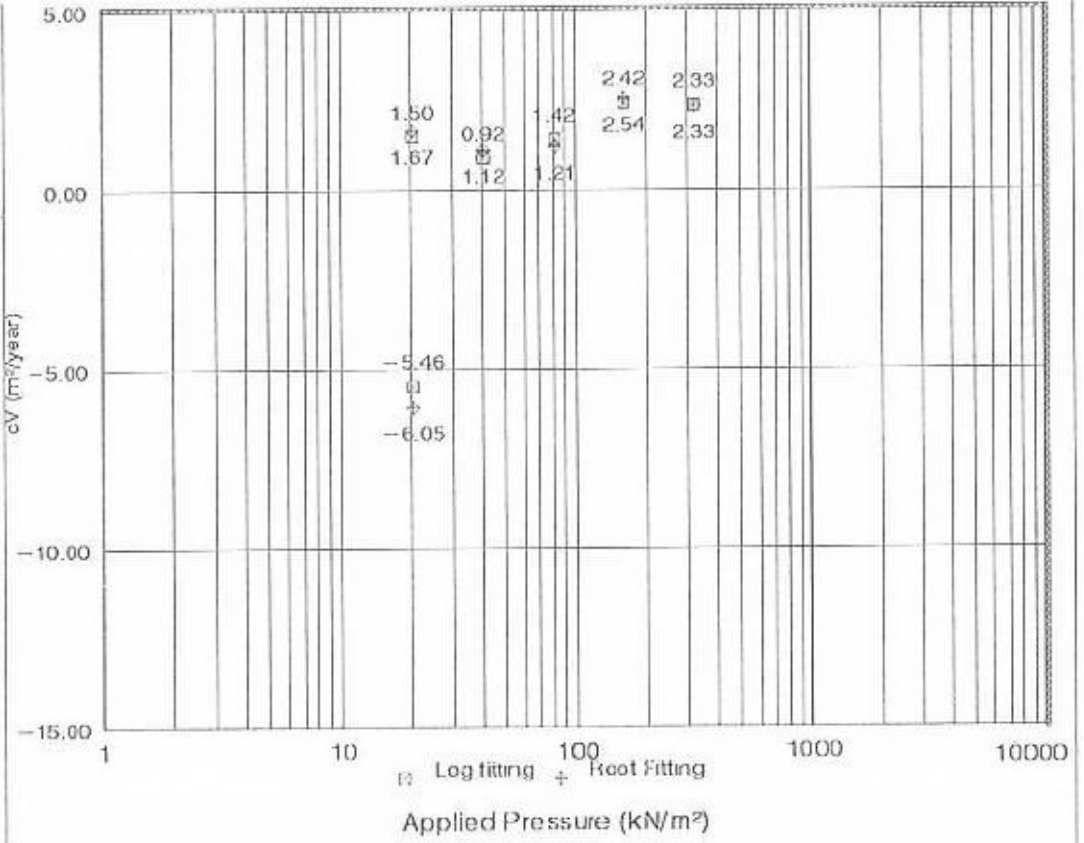
B.H. No.	Sample Depth / Type m	Specimen Size mm.	Moisture Content %	Wet Density Mg/m³	Dry Density Mg/m³	Particle Density Mg/m³	Degree of Saturation %	Voids Ratio	Coefficient of Volume Compressibility m²/MN	Description of Specimen
BH 301	3.00 (U)	Diameter 75.1	Initial 13	Initial 2.18	Initial 1.92	2.65 (Assumed)	Initial 93.9	Initial 0.378	* 0.029	Grey sandy gravelly clay of very low compressibility
		Height 18.8	Final 33	Final 2.64	Final 1.99		Final 100.0	Final 0.331		

NOTES : *For pressure increment of 100 kN/m² in excess of the assumed effective overburden pressure of 60 kN/m²
 Specimen taken 50mm below top of U(100) tube by vertical extrusion with horizontal orientation.
 Temperature maintained at 20 deg.C during test. (+/- 2 deg.C).

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Pressure Range kN/m²	Coefficient of Consolidation m²/year		Coefficient of Volume Compressibility m²/MN
	Log Fitting	Root Fitting	
0 – 20	1.50	1.67	0.245
20 – 40	0.92	1.12	0.389
40 – 81	1.42	1.21	0.248
81 – 161	2.42	2.54	0.172
161 – 323	2.33	2.33	0.133
323 – 20	-5.46	-6.05	-0.055



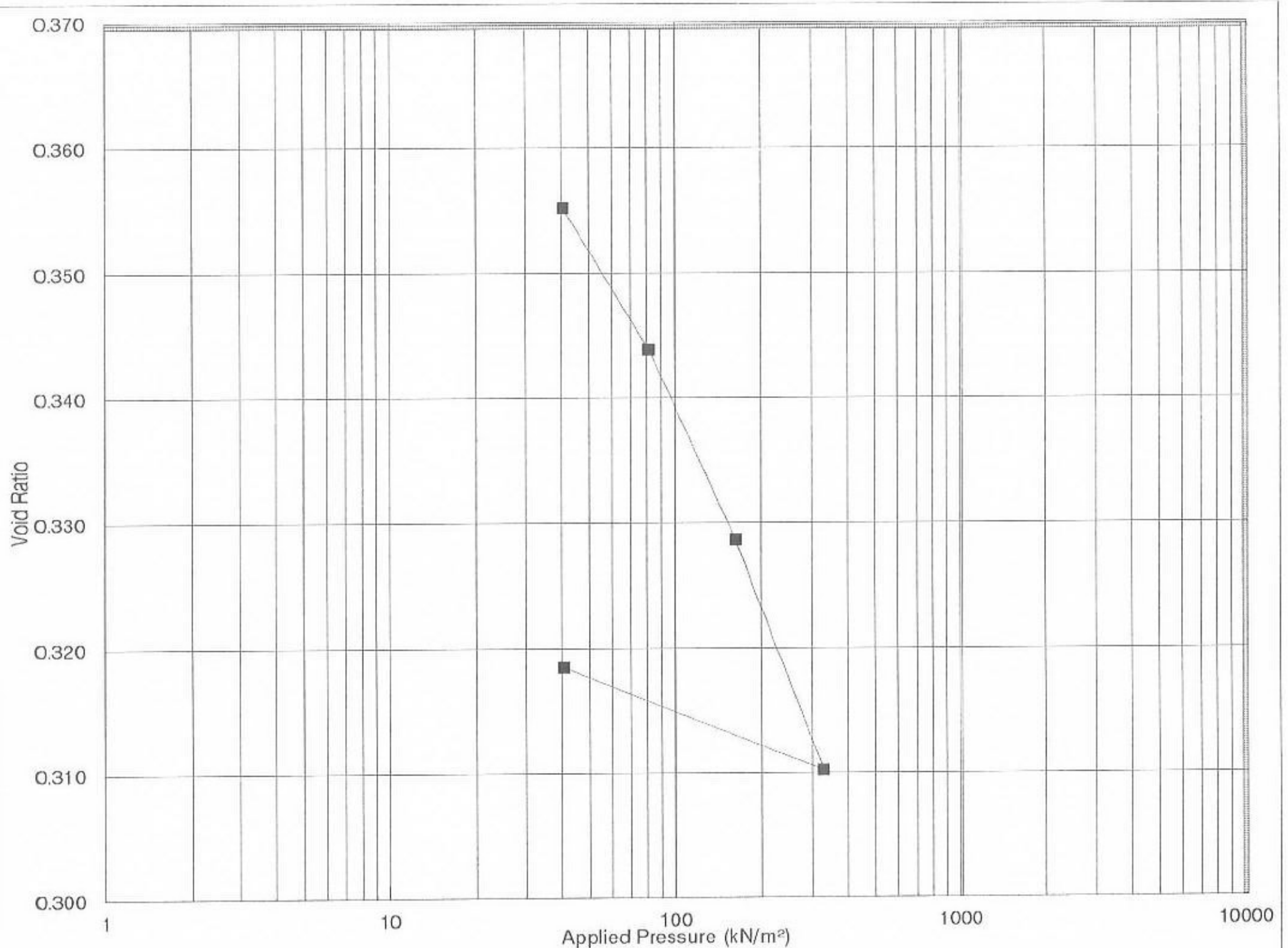
B.H. No.	Sample Depth / Type m	Specimen Size mm.	Moisture Content %	Wet Density Mg/m³	Dry Density Mg/m³	Particle Density Mg/m³	Degree of Saturation %	Voids Ratio	Coefficient of Volume Compressibility m²/MN	Description of Specimen
BH 303	1.20 (U)	Diameter 75.2 Height 20.2	Initial 20 Final 18	Initial 2.08 Final 2.14	Initial 1.74 Final 1.82	2.65 (Assumed)	Initial 99.9 Final 100.0	Initial 0.522 Final 0.459	* 0.236	Grey sandy gravelly CLAY of medium compressibility

NOTES: * For pressure increment of 100 kN/m² in excess of the assumed effective overburden pressure of 24 kN/m²
 Specimen taken 50mm below top of U(100) tube by vertical extrusion with horizontal orientation.
 Temperature maintained at 20 deg.C during test.(+/-2deg.C).

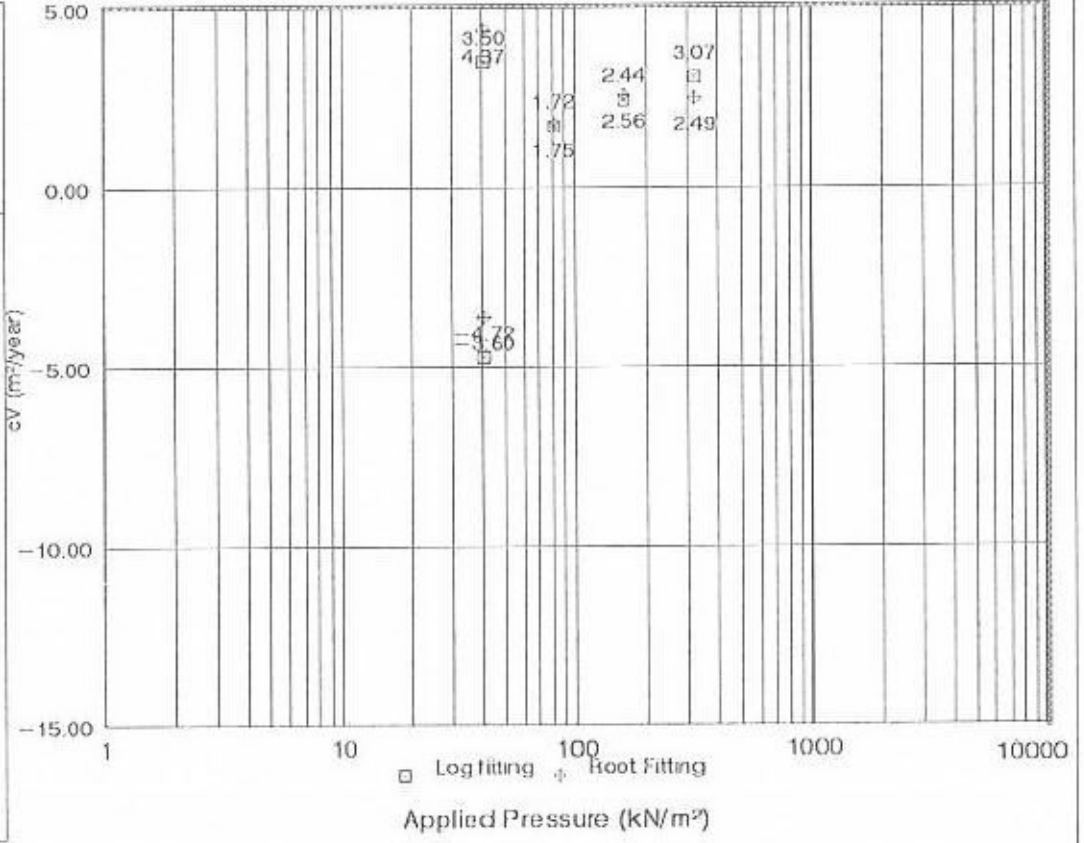
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Template: RS01 Cell # 2 Aitken Laboratories Ltd, Castlehill House, Bank Street, Slamannan, FK1 3EZ Print Date: 25/03/2020 Print Time: 03:37 PM Job No: H 505



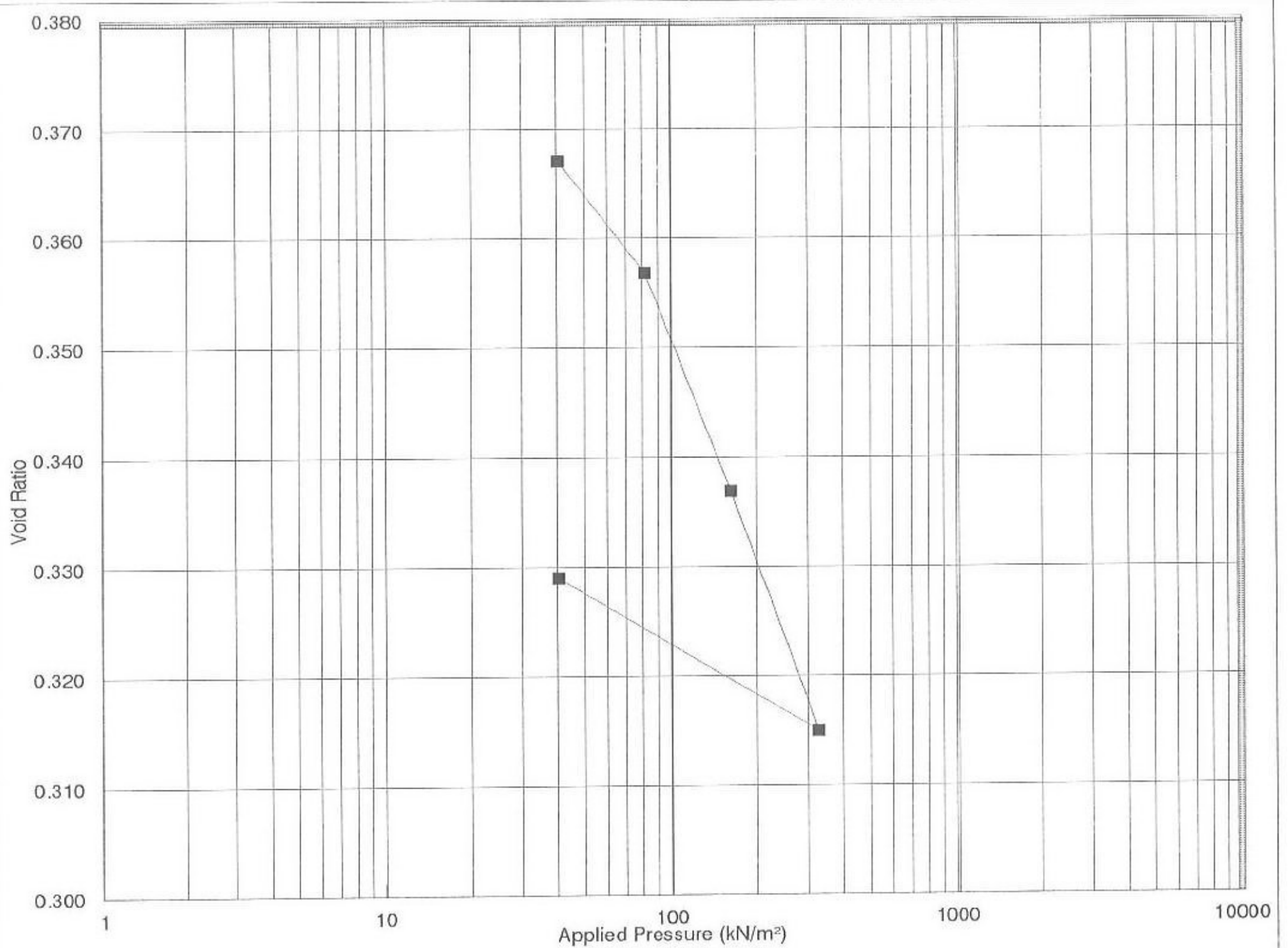
Pressure Range kN/m²	Coefficient of Consolidation m²/year		Coefficient of Volume Compressibility m²/MN
	Log Fitting	Root Fitting	
0 – 40	3.50	4.37	0.302
40 – 81	1.72	1.75	0.207
81 – 161	2.44	2.56	0.141
161 – 323	3.07	2.49	0.086
323 – 40	-4.72	-3.60	-0.022



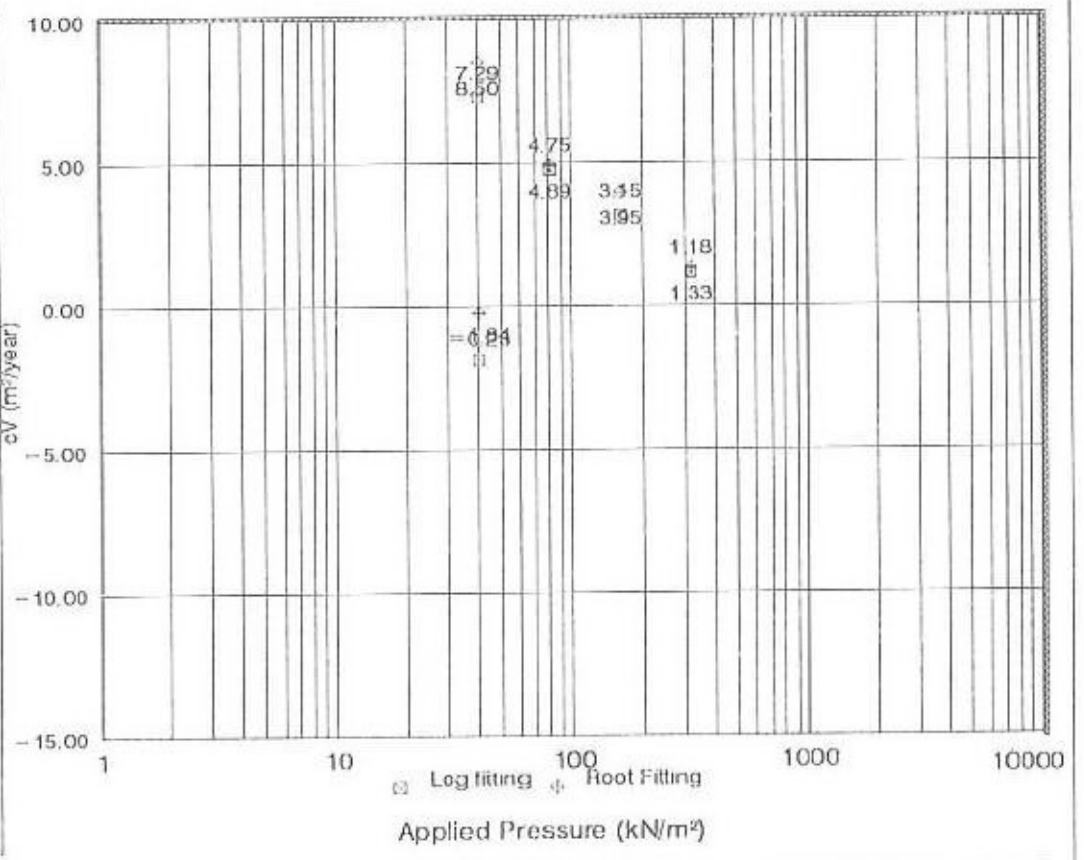
B.H. No.	Sample Depth / Type m	Specimen Size mm.	Moisture Content %	Wet Density Mg/m³	Dry Density Mg/m³	Particle Density Mg/m³	Degree of Saturation %	Voids Ratio	Coefficient of Volume Compressibility m²/MN	Description of Specimen
BH 304	3.00 (U)	Diameter 75.1 Height 20.2	Initial 13 Final 12	Initial 2.19 Final 2.25	Initial 1.93 Final 2.01	2.65 (Assumed)	Initial 94.2 Final 100.0	Initial 0.372 Final 0.318	* 0.154	Grey sandy gravelly CLAY of medium compressibility

NOTES : *For pressure increment of 100 kN/m² in excess of the assumed effective overburden pressure of 60 kN/m²
 Specimen taken 50mm below top of U(100) tube by vertical extrusion with horizontal orientation.
 Temperature maintained at 20 deg.C during test.(+/-2deg.C).

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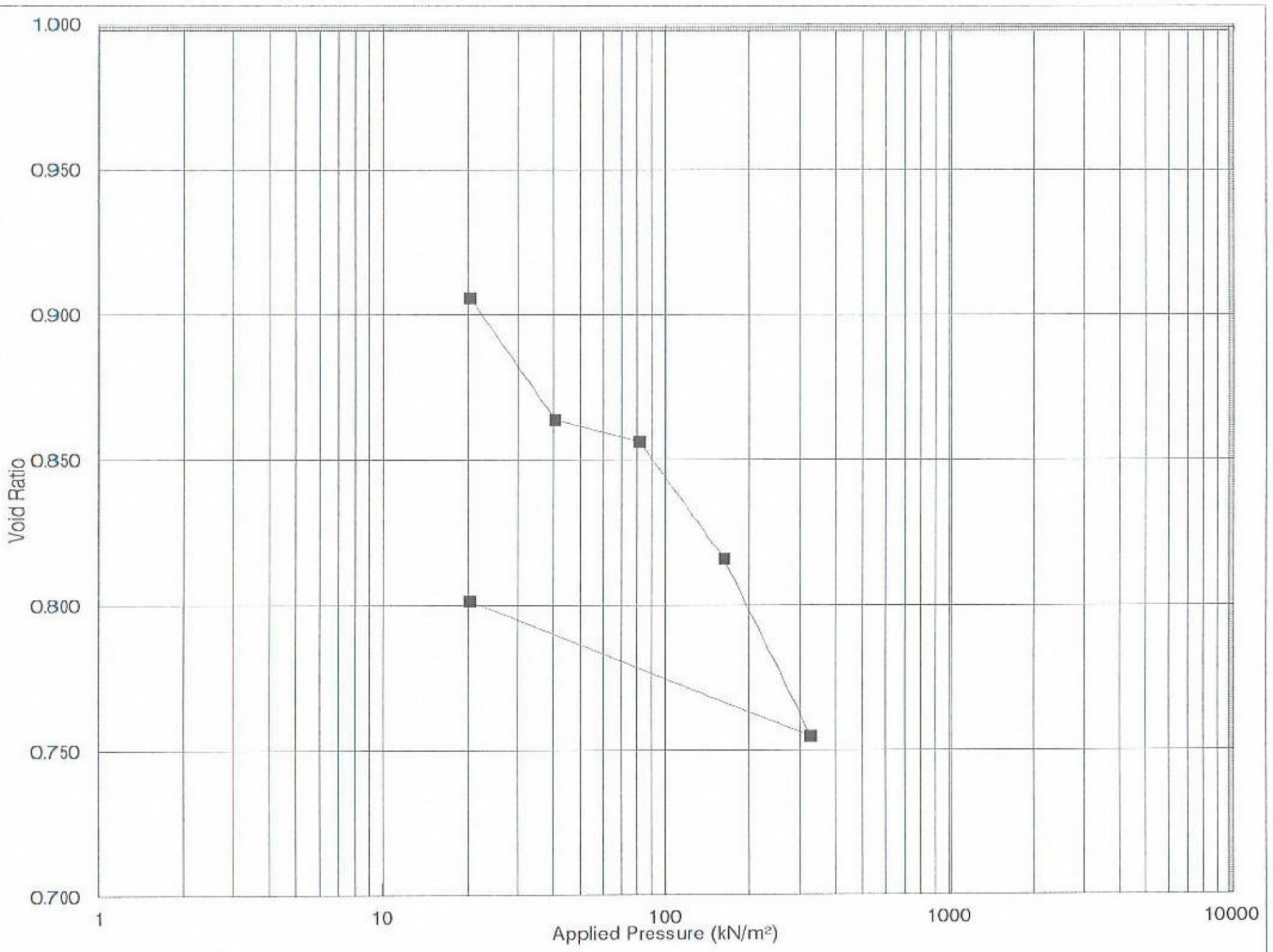
Pressure Range kN/m²	Coefficient of Consolidation m²/year		Coefficient of Volume Compressibility m²/MN
	Log Fitting	Root Fitting	
0 – 40	7.29	8.50	0.356
40 – 81	4.75	4.89	0.185
81 – 161	3.15	3.95	0.182
161 – 323	1.18	1.33	0.102
323 – 40	-1.84	-0.23	-0.038



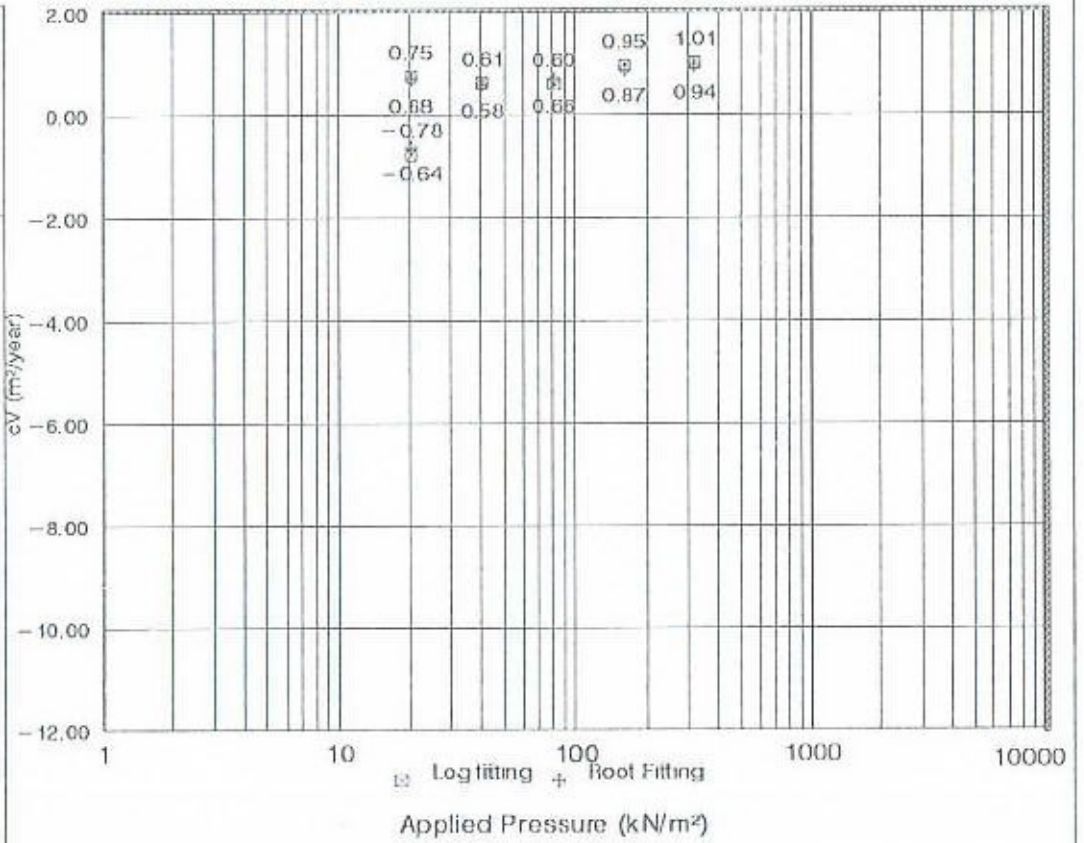
B.H. No.	Sample Depth / Type m	Specimen Size mm.	Moisture Content %	Wet Density Mg/m³	Dry Density Mg/m³	Particle Density Mg/m³	Degree of Saturation %	Voids Ratio	Coefficient of Volume Compressibility m²/MN	Description of Specimen
BH 307	3.00 (U)	Diameter 75.1 Height 20.2	Initial 13 Final 13	Initial 2.16 Final 2.26	Initial 1.91 Final 1.99	2.65 (Assumed)	Initial 89.1 Final 100.0	Initial 0.387 Final 0.329	* 0.182	Grey sandy gravelly clay of medium compressibility

NOTES : *For pressure increment of 100 kN/m² in excess of the assumed effective overburden pressure of 60 kN/m²
 Specimen taken 50mm below top of U(100) tube by vertical extrusion with horizontal orientation.
 Temperature maintained at 20 deg.C during test. (+/- 2deg.C).

Originator	[REDACTED]	CONSOLIDATION TEST in accordance with B.S.1377:Part 5:1990 clause 3..	Aitken Laboratories Limited
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			Fig No :



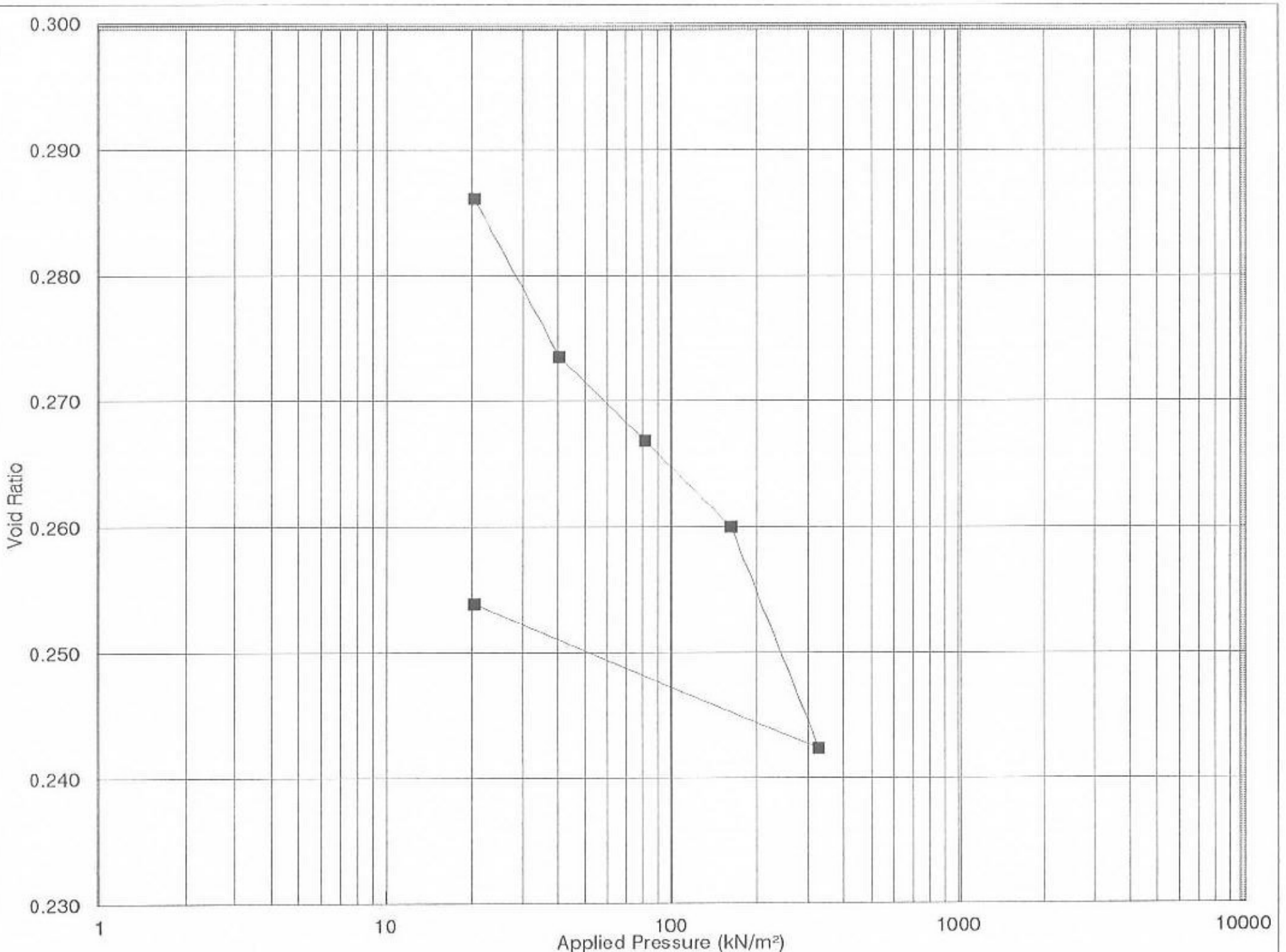
Pressure Range kN/m²	Coefficient of Consolidation m²/year		Coefficient of Volume Compressibility m²/MN
	Log Fitting	Root Fitting	
0 – 20	0.75	0.68	0.284
20 – 40	0.61	0.58	1.094
40 – 81	0.60	0.66	0.100
81 – 161	0.95	0.87	0.268
161 – 323	1.01	0.94	0.209
323 – 20	-0.78	-0.64	-0.088



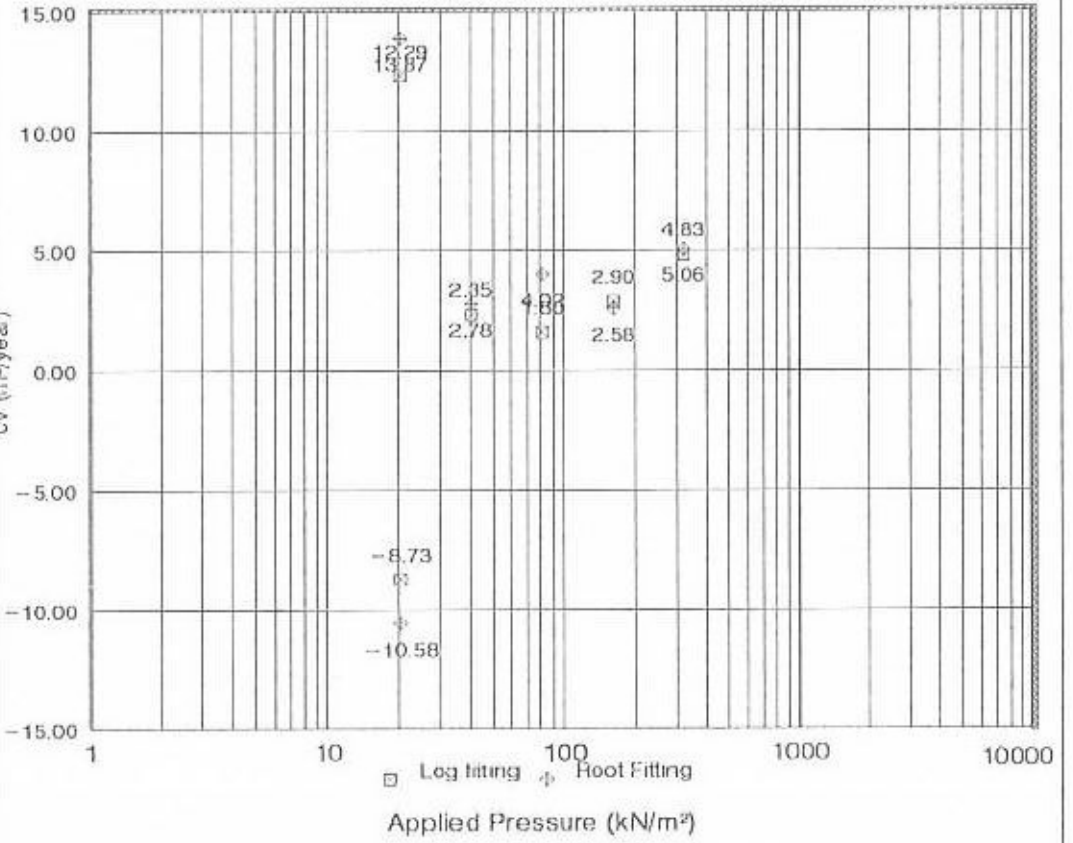
B.H. No.	Sample Depth / Type m	Specimen Size mm.	Moisture Content %	Wet Density Mg/m³	Dry Density Mg/m³	Particle Density Mg/m³	Degree of Saturation %	Void Ratio	Coefficient of Volume Compressibility m²/MN	Description of Specimen
BH 312	1.20 (U)	Diameter 75.2	Initial 35	Initial 1.87	Initial 1.38	2.65 (Assumed)	Initial 100.0	Initial 0.917	* 0.333	Mottled Brown gravelly CLAY of high compressibility
		Height 18.1	Final 30	Final 1.92	Final 1.47		Final 100.0	Final 0.801		

NOTES : *For pressure increment of 100 kN/m² in excess of the assumed effective overburden pressure of 24 kN/m²
 Specimen taken 50mm below top of U(100) tube by vertical extrusion with horizontal orientation.
 Temperature maintained at 20 deg.C during test. (+/- 2deg.C).

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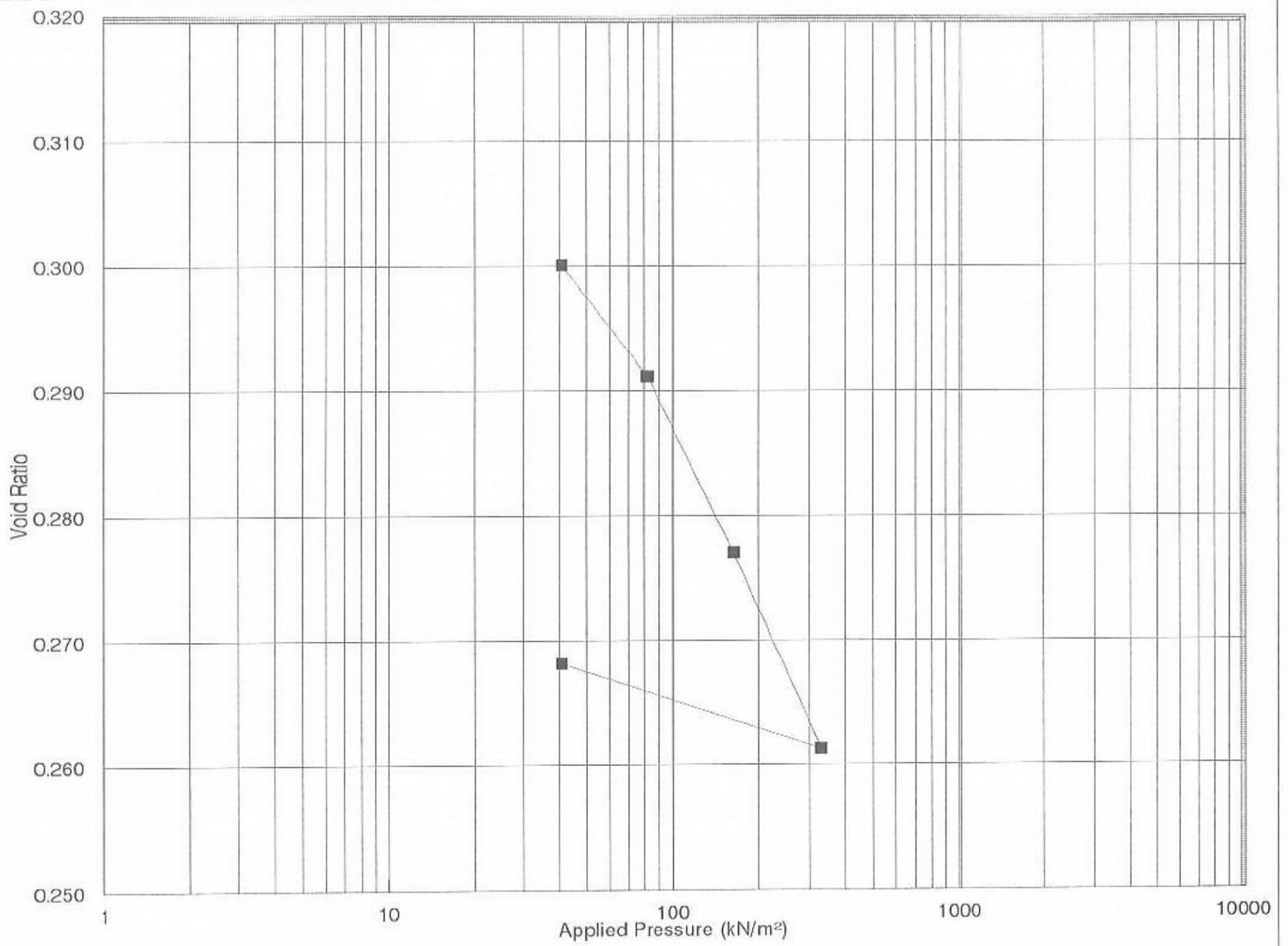
Pressure Range kN/m²	Coefficient of Consolidation m²/year		Coefficient of Volume Compressibility m²/MN
	Log Fitting	Root Fitting	
0 – 20	12.29	13.87	0.000
20 – 40	2.35	2.78	0.485
40 – 81	1.60	4.02	0.130
81 – 161	2.90	2.58	0.067
161 – 323	4.83	5.06	0.087
323 – 20	-8.73	-10.58	-0.031



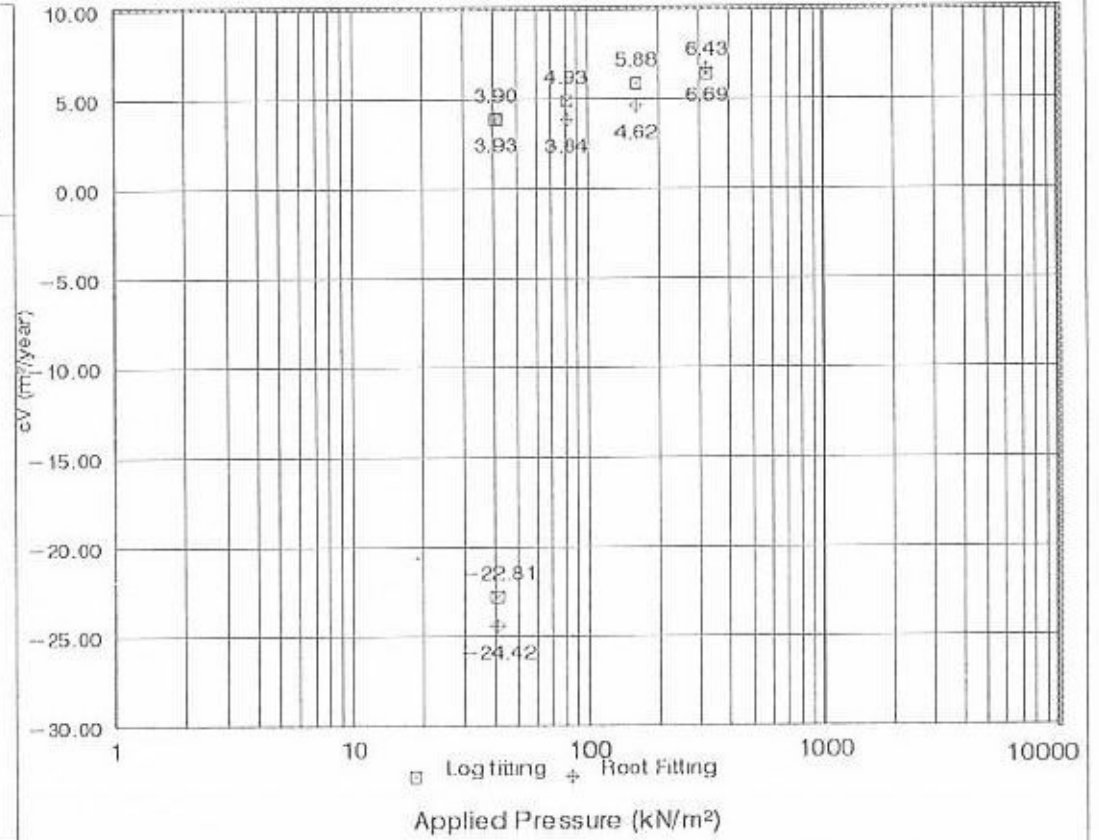
B.H. No.	Sample Depth / Type m	Specimen Size mm.	Moisture Content %	Wet Density Mg/m³	Dry Density Mg/m³	Particle Density Mg/m³	Degree of Saturation %	Voids Ratio	Coefficient of Volume Compressibility m²/MN	Description of Specimen
BH 318	1.20 (U)	Diameter 75.1	Initial 11	Initial 2.29	Initial 2.06	2.65 (Assumed)	Initial 100.0	Initial 0.286	* 0.160	Grey sandy gravelly CLAY of medium compressibility
		Height 20.1	Final 11	Final 2.34	Final 2.11		Final 100.0	Final 0.254		

NOTES: *For pressure increment of 100 kN/m² in excess of the assumed effective overburden pressure of 24 kN/m²
 Specimen taken 50mm below top of U(100) tube by vertical extrusion with horizontal orientation.
 Temperature maintained at 20 deg.C during test.(+/-2deg.C).

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Pressure Range kN/m²	Coefficient of Consolidation m²/year		Coefficient of Volume Compressibility m²/MN
	Log Fitting	Root Fitting	
0 – 40	3.90	3.93	0.405
40 – 81	4.93	3.84	0.169
81 – 162	5.88	4.62	0.135
162 – 324	6.43	6.69	0.076
324 – 40	-22.81	-24.42	-0.019



B.H. No.	Sample Depth / Type m	Specimen Size mm.	Moisture Content %	Wet Density Mg/m³	Dry Density Mg/m³	Particle Density Mg/m³	Degree of Saturation %	Voids Ratio	Coefficient of Volume Compressibility m²/MN	Description of Specimen
BH 319	3.00 (U)	Diameter 75.2 Height 18.5	Initial 12 Final 11	Initial 2.24 Final 2.33	Initial 2.00 Final 2.09	2.65 (Assumed)	Initial 94.8 Final 100.0	Initial 0.322 Final 0.268	* 0.142	Grey sandy gravelly clay of medium compressibility

NOTES : *For pressure increment of 100 kN/m² in excess of the assumed effective overburden pressure of 60 kN/m²
 Specimen taken 50mm below top of U(100) tube by vertical extrusion with horizontal orientation.
 Temperature maintained at 20 deg.C during test. (+/- 2deg.C).

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