

Consolidation Test

Contract Title : **Byrkley Park.**
 Date : **22/08/01**
 Description Remould @ 17%

Bore Hole : **TP4**
 Depth : **.30 - .40 m**
 Sub Sample : **2**

Ring weight	109.60 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	217.60 g	Height	13.750 mm
Sample + Ring weight (after)	225.33 g	Diameter	74.62 mm
Dry weight + Ring weight	200.59 g	Area	4373.2 mm ²
Dry weight	90.99 g	Volume	60131.6 mm ³
Mass of Water (before)	17.01 g	Saturation	65.94 %
Mass of Water (after)	24.74 g	Ht of solids	7.851 mm
Initial Moisture content	18.69 %		
Final Moisture content	27.19 %		
Initial Bulk density	1.80 Mg/m ³		
Initial Dry density	1.51 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.750	5.899	.751				13.895	-	-
25	-.289	14.039	6.188	.788	-.841	-	-	13.895	-	-
50	.066	13.973	6.122	.780	.188	7.11	8.58	14.006	.67*	2.36*
100	.304	13.669	5.818	.741	.435	1.16	3.38	13.821	3.98*	5.83*
150	.191	13.478	5.627	.717	.279	4.14	7.38	13.574	1.10*	2.63*
75	-.044	13.522	5.671	.722	.044	4.68	6.23	13.500	.96*	3.08*
25	-.121	13.643	5.792	.738	.179	26.04	49.58	13.583	.17*	.39*

* Denotes Temperature correction applied in calculating Cv value

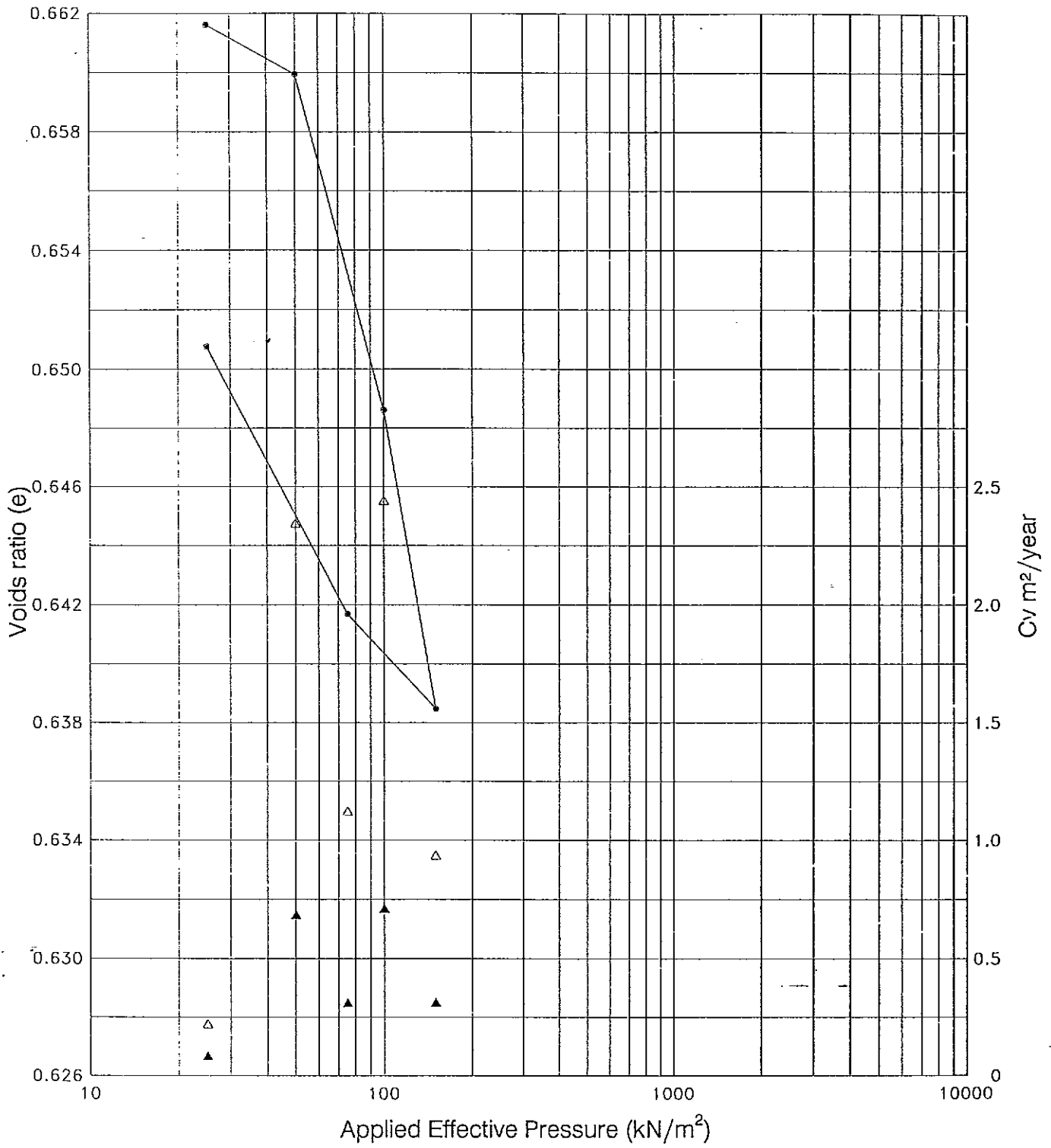
**ONE DIMENSIONAL
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Project
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Contract 121070

Figure 25/26

Exploration Associates

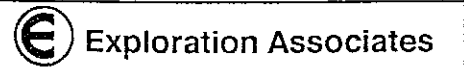


Sample Dimensions	74.75 mm dia. 13.830 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.650	m _v	m ² /MN	-.283	.040	.137	.123	.026	.110				
Final Voids Ratio	.651	C _v Log t ₅₀	▲ m ² /yr	-	.69	.71	.31	.31	.09				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	2.35	2.44	.94	1.12	.22				
Initial Water Content	21.50 %	Final Voids Ratio		.662	.660	.649	.638	.642	.651				
Final Water Content	25.17 %	Description	Remould @ 20%										
Initial Saturation	87.67 %	Hole	TP4										
Initial Bulk Density	1.95 Mg/m ³	Depth	.30 - .40 m										
Initial Dry Density	1.61 Mg/m ³	Sample Type	B										
Particle Density	2.65 ASSUMED												
Sample Type	REMOULDED												

Laboratory - One Dimensional Consolidation Test

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Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP4
Date : 22/08/01	Depth : .30 - .40 m
Description Remould @ 20%	Sub Sample : 3

Ring weight	105.92 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	224.36 g	Height	13.830 mm
Sample + Ring weight (after)	227.94 g	Diameter	74.75 mm
Dry weight + Ring weight	203.40 g	Area	4388.5 mm ²
Dry weight	97.48 g	Volume	60692.4 mm ³
Mass of Water (before)	20.96 g	Saturation	87.67 %
Mass of Water (after)	24.54 g	Ht of solids	8.382 mm
Initial Moisture content	21.50 %		
Final Moisture content	25.17 %		
Initial Bulk density	1.95 Mg/m ³		
Initial Dry density	1.61 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.830	5.448	.650	-.283	-	-	13.879	-	-
25	-.098	13.928	5.546	.662	.040	6.83	8.53	13.921	.69*	2.35*
50	.014	13.914	5.532	.660	.137	6.53	8.13	13.867	.71*	2.44*
100	.095	13.819	5.437	.649	.123	15.00	21.36	13.777	.31*	.94*
150	.085	13.734	5.352	.638	.026	15.00	17.75	13.748	.31*	1.12*
75	-.027	13.761	5.379	.642	.110	54.88	90.46	13.799	.09*	.22*
25	-.076	13.837	5.455	.651						

* Denotes Temperature correction applied in calculating Cv value

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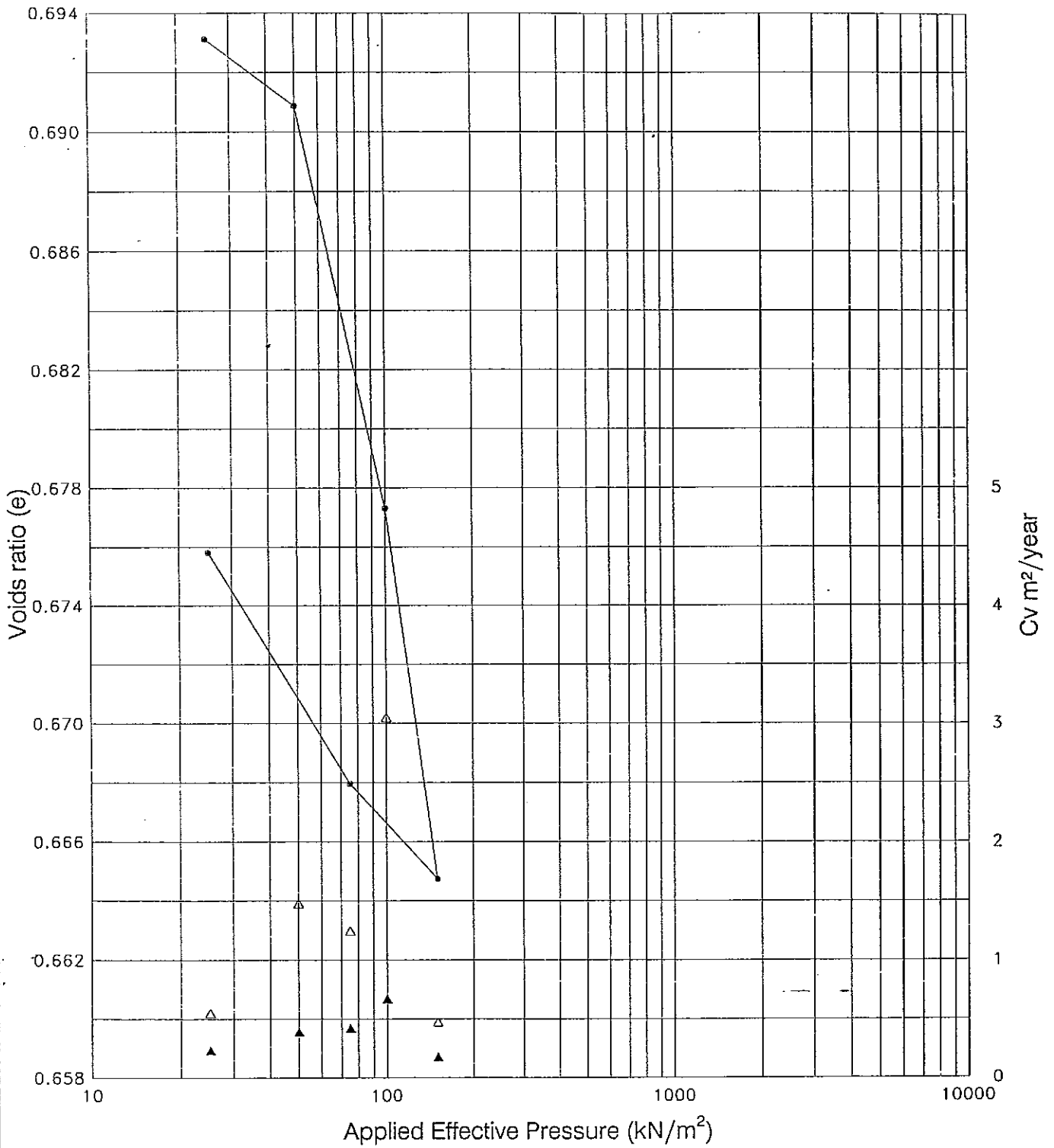
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Sample Dimensions	74.58 mm dia. 13.740 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.710	mv	m ² /MN	.399	.053	.160	.150	.026	.094				
Final Voids Ratio	.676	C _v Log t ₅₀	▲ m ² /yr	-	.39	.67	.18	.42	.23				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	1.48	3.05	.47	1.25	.55				
Initial Water Content	25.07 %	Final Voids Ratio		.693	.691	.677	.665	.668	.676				
Final Water Content	26.30 %	Description	Remould @ 23%										
Initial Saturation	93.56 %	Hole	TP4										
Initial Bulk Density	1.94 Mg/m ³	Depth	.30 - .40 m										
Initial Dry Density	1.55 Mg/m ³	Sample Type	B										
Particle Density	2.65 ASSUMED	Laboratory -	One Dimensional Consolidation Test										
Sample Type	REMOULDED	Project	Byrkley Park. Football Association.										
Exploration Associates			Contract	121070									
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Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP4
Date : 22/08/01	Depth : .30 - .40 m
Description : Remould @ 23%	Sub Sample : 4

Ring weight	108.79 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	225.12 g	Height	13.740 mm
Sample + Ring weight (after)	226.26 g	Diameter	74.58 mm
Dry weight + Ring weight	201.80 g	Area	4368.5 mm ²
Dry weight	93.01 g	Volume	60023.5 mm ³
Mass of Water (before)	23.32 g	Saturation	93.56 %
Mass of Water (after)	24.46 g	Ht of solids	8.034 mm
Initial Moisture content	25.07 %		
Final Moisture content	26.30 %		
Initial Bulk density	1.94 Mg/m ³		
Initial Dry density	1.55 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.740	5.706	.710		-	-	13.672	-	-
25	.137	13.603	5.569	.693	.399			13.672	-	-
50	.018	13.585	5.551	.691	.053	11.43	12.92	13.594	.39*	1.48*
100	.109	13.476	5.442	.677	.160	6.61	6.20	13.531	.67*	3.05*
150	.101	13.375	5.341	.665	.150	25.38	40.08	13.426	.18*	.47*
75	-.026	13.401	5.367	.668	.026	10.53	15.18	13.388	.42*	1.25*
25	-.063	13.464	5.430	.676	.094	19.13	34.63	13.433	.23*	.55*

* Denotes Temperature correction applied in calculating Cv value

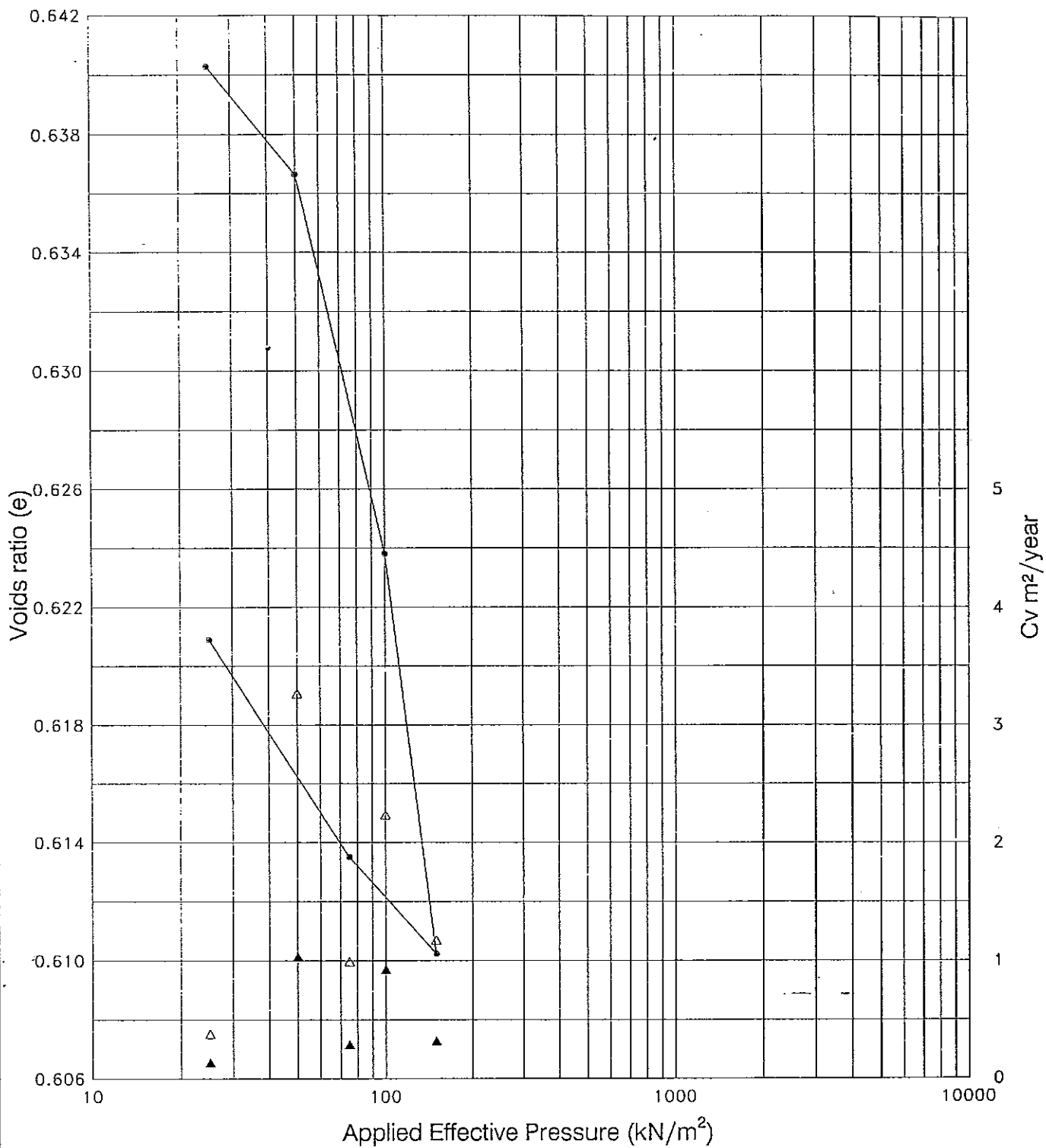
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Figure LS/30

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Sample Dimensions	74.55 mm dia. 13.760 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.667	<i>m_v</i>	m ² /MN	.645	.089	.157	.167	.027	.092				
Final Voids Ratio	.621	<i>C_v Log t₅₀</i>	▲ m ² /yr	-	1.03	.92	.32	.29	.14				
Swelling Pressure	- kN/m ²	<i>C_v Root t₉₀</i>	△ m ² /yr	-	3.27	2.23	1.17	.99	.38				
Initial Water Content	25.62 %	Final Voids Ratio		.640	.637	.624	.610	.614	.621				
Final Water Content	26.58 %	Description	Remould @ 25%										
Initial Saturation	101.76 %	Hole	TP4										
Initial Bulk Density	2.00 Mg/m ³	Depth	.30 - .40 m										
Initial Dry Density	1.59 Mg/m ³	Sample Type	B										
Particle Density	2.65 ASSUMED	Project	Byrkley Park. Football Association.										
Sample Type	REMOULDED	Contract	121070										
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Exploration Associates		Form 45/1											

Consolidation Test

Contract Title : Byrkley Park.
 Date : 22/08/01
 Description Remould @ 26%

Bore Hole : TP4
 Depth : .30 - .40 m
 Sub Sample : 5

Ring weight	110.18 g		
Sample + Ring weight (before)	230.11 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (after)	231.03 g	Height	13.760 mm
Dry weight + Ring weight	205.65 g	Diameter	74.55 mm
Dry weight	95.47 g		
Mass of Water (before)	24.46 g	Area	4365.0 mm ²
Mass of Water (after)	25.38 g	Volume	60062.5 mm ³
Initial Moisture content	25.62 %		
Final Moisture content	26.58 %	Saturation	101.76 %
Initial Bulk density	2.00 Mg/m ³	Ht of solids	8.253 mm
Initial Dry density	1.59 Mg/m ³		

Load	Height	Actual	Ht Of	Voids	Mv	t50	t90	Mean	Cv (i)	Cv (ii)
kN/M ²	Change	Height	Voids	Ratio	m ² /MN	(i)	(ii)	Height	m ² /yr	m ² /yr
0	-	13.760	5.507	.667	.645	-	-	13.649	-	-
25	.222	13.538	5.285	.640	.089	4.49	6.06	13.523	1.03*	3.27*
50	.030	13.508	5.255	.637	.157	5.03	8.88	13.455	.92*	2.23*
100	.106	13.402	5.149	.624	.167	14.14	16.43	13.346	.32*	1.17*
150	.112	13.290	5.037	.610	.027	15.60	19.32	13.304	.29*	.99*
75	-.027	13.317	5.064	.614	.092	32.83	50.80	13.348	.14*	.38*
25	-.061	13.378	5.125	.621						

* Denotes Temperature correction applied in calculating Cv value

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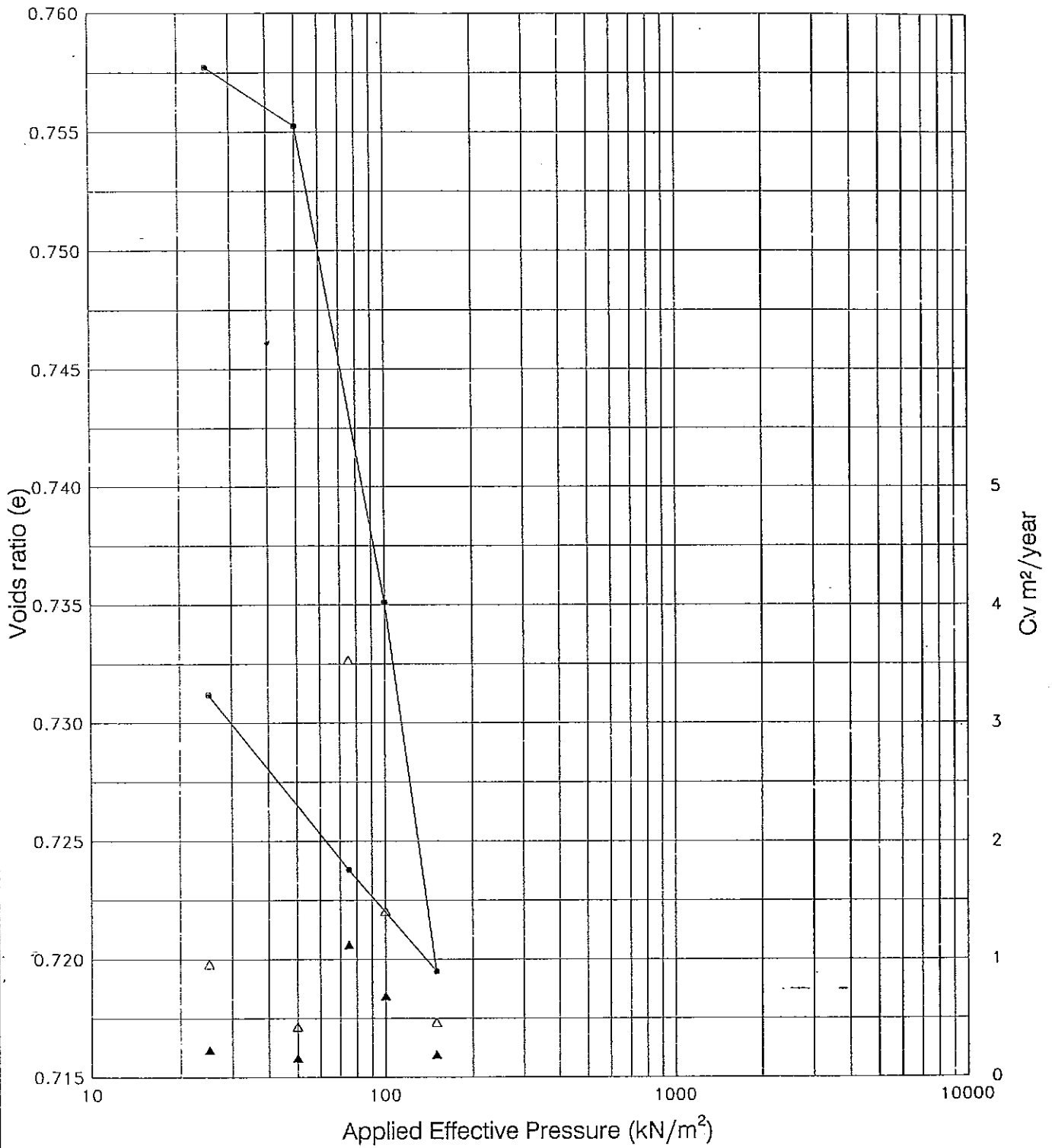
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Sample Dimensions	74.62 mm dia. 13.730 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.785	mv	m ² /MN	.621	.056	.230	.180	.033	.086				
Final Voids Ratio	.731	C _v Log t ₅₀	▲ m ² /yr	-	.16	.69	.19	1.12	.23				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	.43	1.41	.46	3.53	.96				
Initial Water Content	28.04 %	Final Voids Ratio		.758	.755	.735	.719	.724	.731				
Final Water Content	28.61 %	Description	Remould @ 28%									Hole	TP4
Initial Saturation	94.61 %											Depth	.30 - .40 m
Initial Bulk Density	1.90 Mg/m ³											Sample Type	B
Initial Dry Density	1.48 Mg/m ³	Project	Byrkley Park. Football Association.									Contract	121070
Particle Density	2.65 ASSUMED											Sheet	LS/33
Sample Type	REMOULDED												Form 45/1
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Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP4
Date : 22/08/01	Depth : .30 - .40 m
Description : Remould @ 28%	Sub Sample : 6

Ring weight	109.61 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	223.72 g	Height	13.730 mm
Sample + Ring weight (after)	224.23 g	Diameter	74.62 mm
Dry weight + Ring weight	198.73 g	Area	4373.2 mm ²
Dry weight	89.12 g	Volume	60044.2 mm ³
Mass of Water (before)	24.99 g	Saturation	94.61 %
Mass of Water (after)	25.50 g	Ht of solids	7.690 mm
Initial Moisture content	28.04 %		
Final Moisture content	28.61 %		
Initial Bulk density	1.90 Mg/m ³		
Initial Dry density	1.48 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.730	6.040	.785	.621	-	-	13.624	-	-
25	.213	13.517	5.827	.758	.056	28.90	47.32	13.508	.16	.43
50	.019	13.498	5.808	.755	.230	6.71	14.03	13.421	.69*	1.41*
100	.155	13.343	5.653	.735	.180	23.26	41.07	13.283	.19*	.46*
150	.120	13.223	5.533	.719	.033	3.95	5.37	13.240	1.12*	3.53*
75	-.033	13.256	5.566	.724	.086	18.68	19.38	13.285	.23*	.96*
25	-.057	13.313	5.623	.731						

* Denotes Temperature correction applied in calculating Cv value

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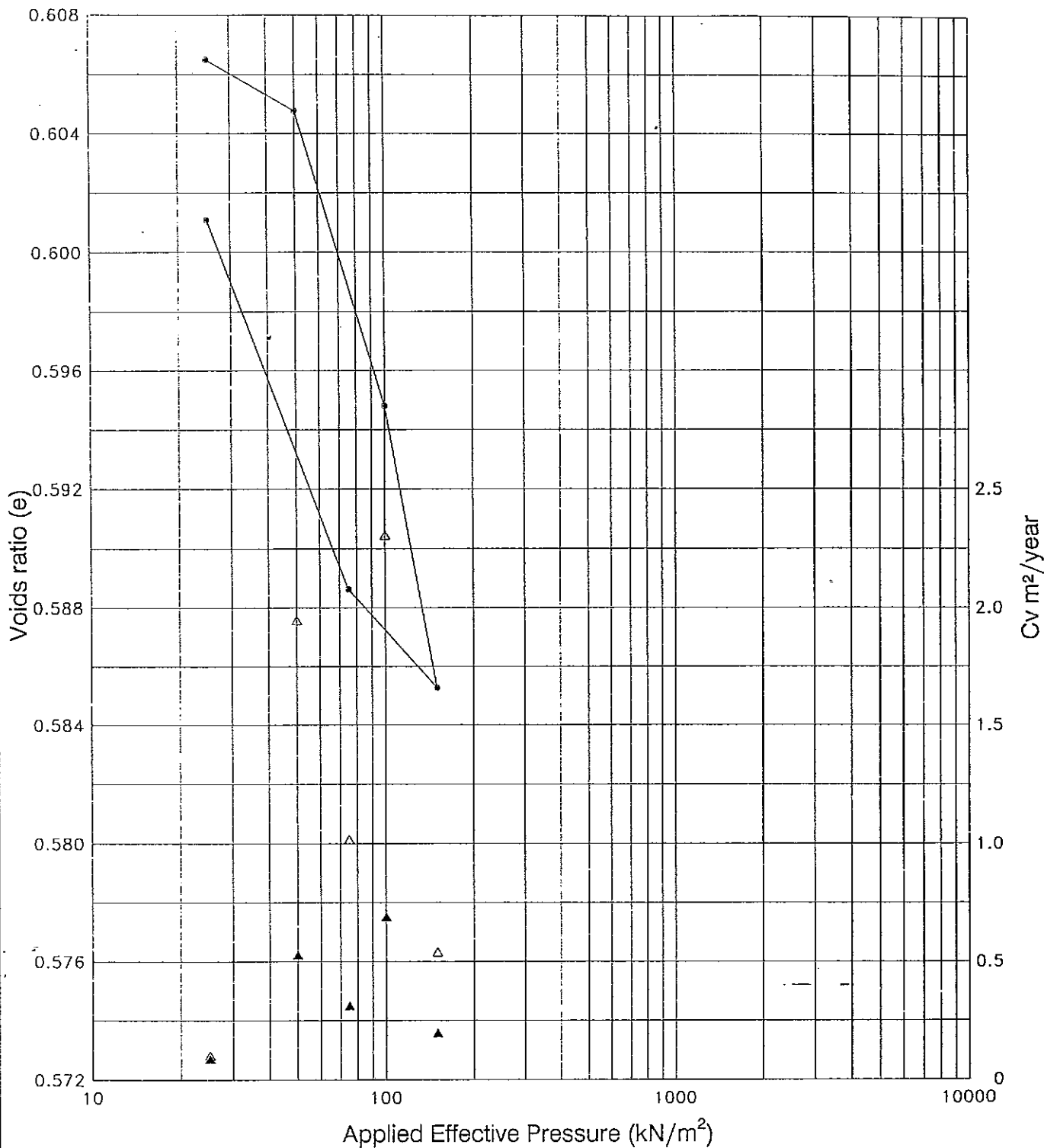
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Figure L5/34.



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Sample Dimensions	74.64 mm dia. 13.670 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.481	mv	m ² /MN	3.403	.043	.124	.120	.028	.157				
Final Voids Ratio	.601	C _v Log t ₅₀	▲ m ² /yr	-	.53	.69	.20	.31	.09				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	1.95	2.31	.54	1.02	.10				
Initial Water Content	16.49 %	Final Voids Ratio		.607	.605	.595	.585	.589	.601				
Final Water Content	24.46 %	Description	Remould @ 14% compacted using 4.5kg rammer										
Initial Saturation	90.91 %	Hole	TP4										
Initial Bulk Density	2.08 Mg/m ³	Depth	.30 - .40 m										
Initial Dry Density	1.79 Mg/m ³	Sample Type	B										
Particle Density	2.65 ASSUMED	Project	Byrkley Park. Football Association.										
Sample Type	REMOULDED	Contract	121070										
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Exploration Associates		Form 45/1											

Consolidation Test

Contract Title : **Byrkley Park.**
 Date : **23/08/01**
 Description : Remould @ 14%

Bore Hole : **TP4**
 Depth : **.30 - .40 m**
 Sub Sample : **1H**

Ring weight	111.84 g		
Sample + Ring weight (before)	236.55 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (after)	245.09 g	Height	13.670 mm
Dry weight + Ring weight	218.90 g	Diameter	74.64 mm
Dry weight	107.06 g		
Mass of Water (before)	17.65 g	Area	4375.6 mm ²
Mass of Water (after)	26.19 g	Volume	59813.8 mm ³
Initial Moisture content	16.49 %		
Final Moisture content	24.46 %	Saturation	90.91 %
Initial Bulk density	2.08 Mg/m ³	Ht of solids	9.233 mm
Initial Dry density	1.79 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.670	4.437	.481	-3.403	-	-	14.252	-	-
25	-1.163	14.833	5.600	.607	.043	10.56	12.22	14.825	.53*	1.95*
50	.016	14.817	5.584	.605	.124	8.13	10.37	14.771	.69*	2.31*
100	.092	14.725	5.492	.595	.120	27.74	43.21	14.681	.20*	.54*
150	.088	14.637	5.404	.585	.028	17.39	22.84	14.653	.31*	1.02*
75	-.031	14.668	5.435	.589	.157	61.50	229.93	14.726	.09*	.10*
25	-.115	14.783	5.550	.601						

* Denotes Temperature correction applied in calculating Cv value

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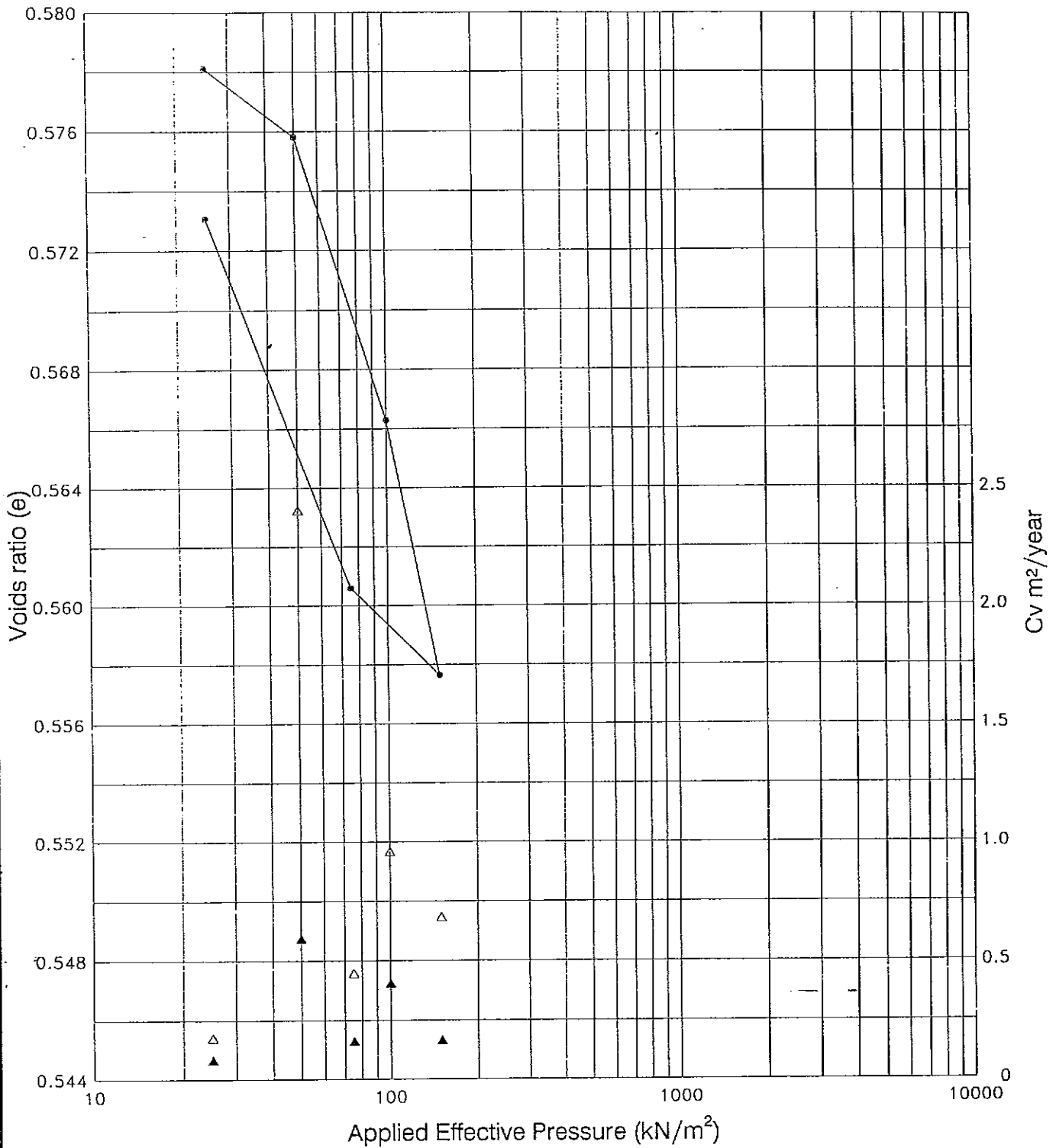
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Figure L5/36



Sample Dimensions	74.70 mm dia. 13.690 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.499	mv	m ² /MN	2.124	.058	.121	.110	.025	.160				
Final Voids Ratio	.573	C _v Log t ₅₀	▲ m ² /yr	-	.59	.41	.17	.16	.08				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	2.40	.96	.68	.45	.18				
Initial Water Content	18.54 %	Final Voids Ratio		.578	.576	.566	.558	.561	.573				
Final Water Content	24.20 %	Description	Remould @ 16% compacted using 4.5kg-hammer										
Initial Saturation	98.55 %	Hole	TP4										
Initial Bulk Density	2.10 Mg/m ³	Depth	.30 - .40 m										
Initial Dry Density	1.77 Mg/m ³	Sample Type	B										
Particle Density	2.65 ASSUMED	Laboratory -	One Dimensional Consolidation Test										
Sample Type	REMOULDED	Project	Byrkley Park. Football Association.										
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Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP4
Date : 23/08/01	Depth : .30 - .40 m
Description : Remould @ 16%	Sub Sample : 2H

Ring weight	111.35 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	237.12 g	Height	13.690 mm
Sample + Ring weight (after)	243.13 g	Diameter	74.70 mm
Dry weight + Ring weight	217.45 g	Area	4382.6 mm ²
Dry weight	106.10 g	Volume	59997.7 mm ³
Mass of Water (before)	19.67 g	Saturation	98.55 %
Mass of Water (after)	25.68 g	Ht of solids	9.136 mm
Initial Moisture content	18.54 %		
Final Moisture content	24.20 %		
Initial Bulk density	2.10 Mg/m ³		
Initial Dry density	1.77 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.690	4.554	.499	-2.124	-	-	14.054	-	-
25	-.727	14.417	5.281	.578	.058	8.87	9.34	14.407	.59*	2.40*
50	.021	14.396	5.260	.576	.121	13.05	23.55	14.353	.41*	.96*
100	.087	14.309	5.173	.566	.110	31.13	32.23	14.270	.17*	.68*
150	.079	14.230	5.094	.558	.025	31.83	49.00	14.244	.16*	.45*
75	-.027	14.257	5.121	.561	.160	62.55	125.57	14.314	.08*	.18*
25	-.114	14.371	5.235	.573						

* Denotes Temperature correction applied in calculating Cv value

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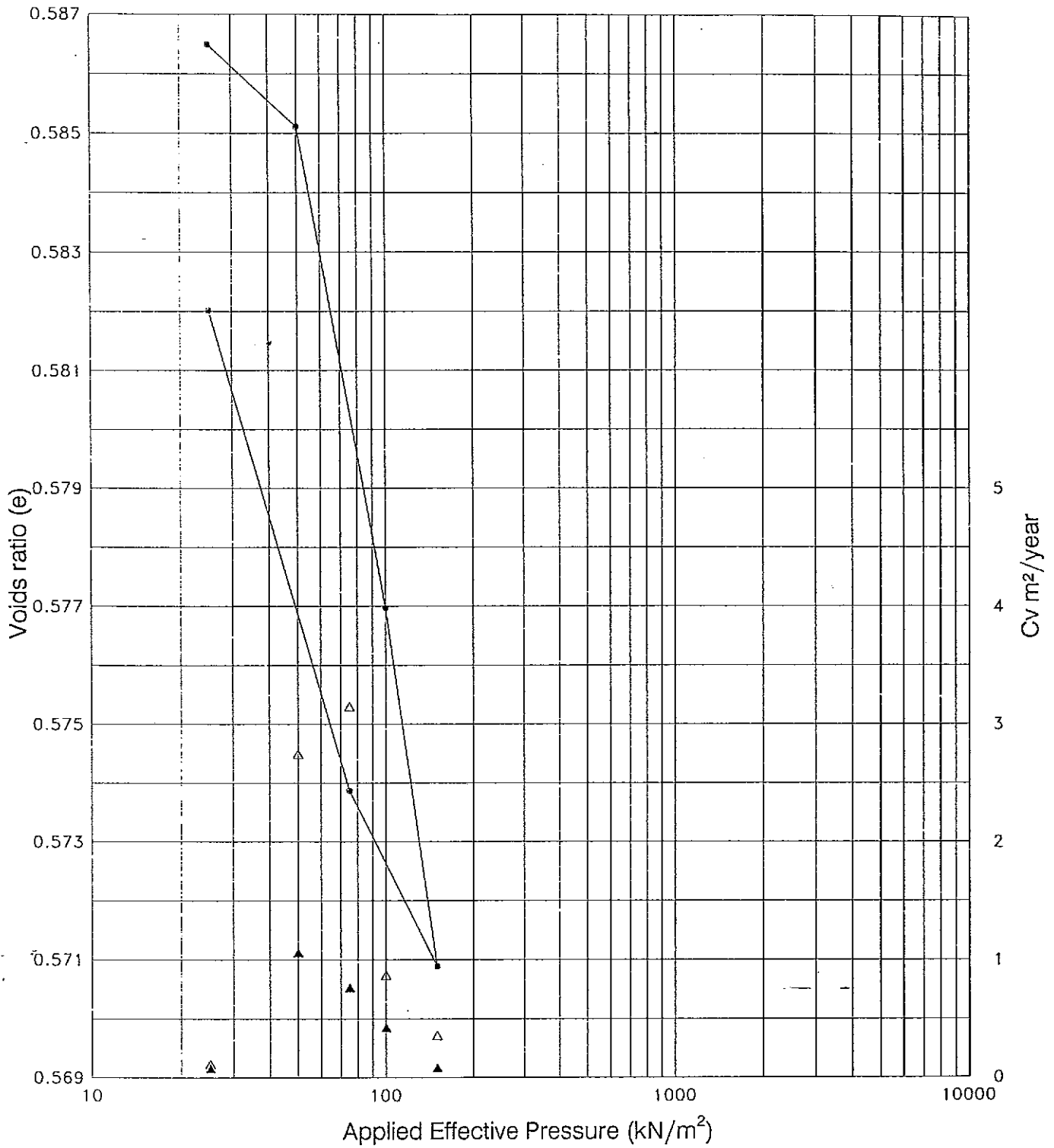
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Figure L5/28



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Sample Dimensions	74.65 mm dia. 13.750 mm high	Pressure	kN/m ²	0	25	50	100	150	75					
Initial Voids Ratio	.578	m _v	m ² /MN	-.218	.035	.103	.077	.025	.104					
Final Voids Ratio	.582	C _v Log t ₅₀	▲ m ² /yr	-	1.06	.43	.08	.77	.08					
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	2.75	.87	.36	3.15	.11					
Initial Water Content	19.47 %	Final Voids Ratio		.586	.585	.577	.571	.574	.582					
Final Water Content	23.10 %	Description	Remould @ 20% compacted using 4.5kg rammer									Hole	TP4	
Initial Saturation	89.29 %											Depth	.30 - .40 m	
Initial Bulk Density	2.01 Mg/m ³											Sample Type	B	
Initial Dry Density	1.68 Mg/m ³	Project	Byrkley Park. Football Association.									Contract	121070	
Particle Density	2.65 ASSUMED											Sheet	L5/37	
Sample Type	REMOULDED													
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Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP4
Date : 23/08/01	Depth : .30 - .40 m
Description : Remould @ 20%	Sub Sample : 3H

Ring weight	112.27 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	233.02 g	Height	13.750 mm
Sample + Ring weight (after)	236.69 g	Diameter	74.65 mm
Dry weight + Ring weight	213.34 g	Area	4376.7 mm ²
Dry weight	101.07 g	Volume	60180.0 mm ³
Mass of Water (before)	19.68 g	Saturation	89.29 %
Mass of Water (after)	23.35 g	Ht of solids	8.714 mm
Initial Moisture content	19.47 %		
Final Moisture content	23.10 %		
Initial Bulk density	2.01 Mg/m ³		
Initial Dry density	1.68 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.750	5.036	.578	-.218	-	-	13.788	-	-
25	-.075	13.825	5.111	.586	.035	4.68	7.72	13.819	1.06	2.75
50	.012	13.813	5.099	.585	.103	11.44	23.97	13.778	.43*	.87*
100	.071	13.742	5.028	.577	.077	58.44	56.77	13.716	.08*	.36*
150	.053	13.689	4.975	.571	.025	6.22	6.45	13.702	.77*	3.15*
75	-.026	13.715	5.001	.574	.104	60.00	175.67	13.751	.08*	.11*
25	-.071	13.786	5.072	.582						

* Denotes Temperature correction applied in calculating Cv value

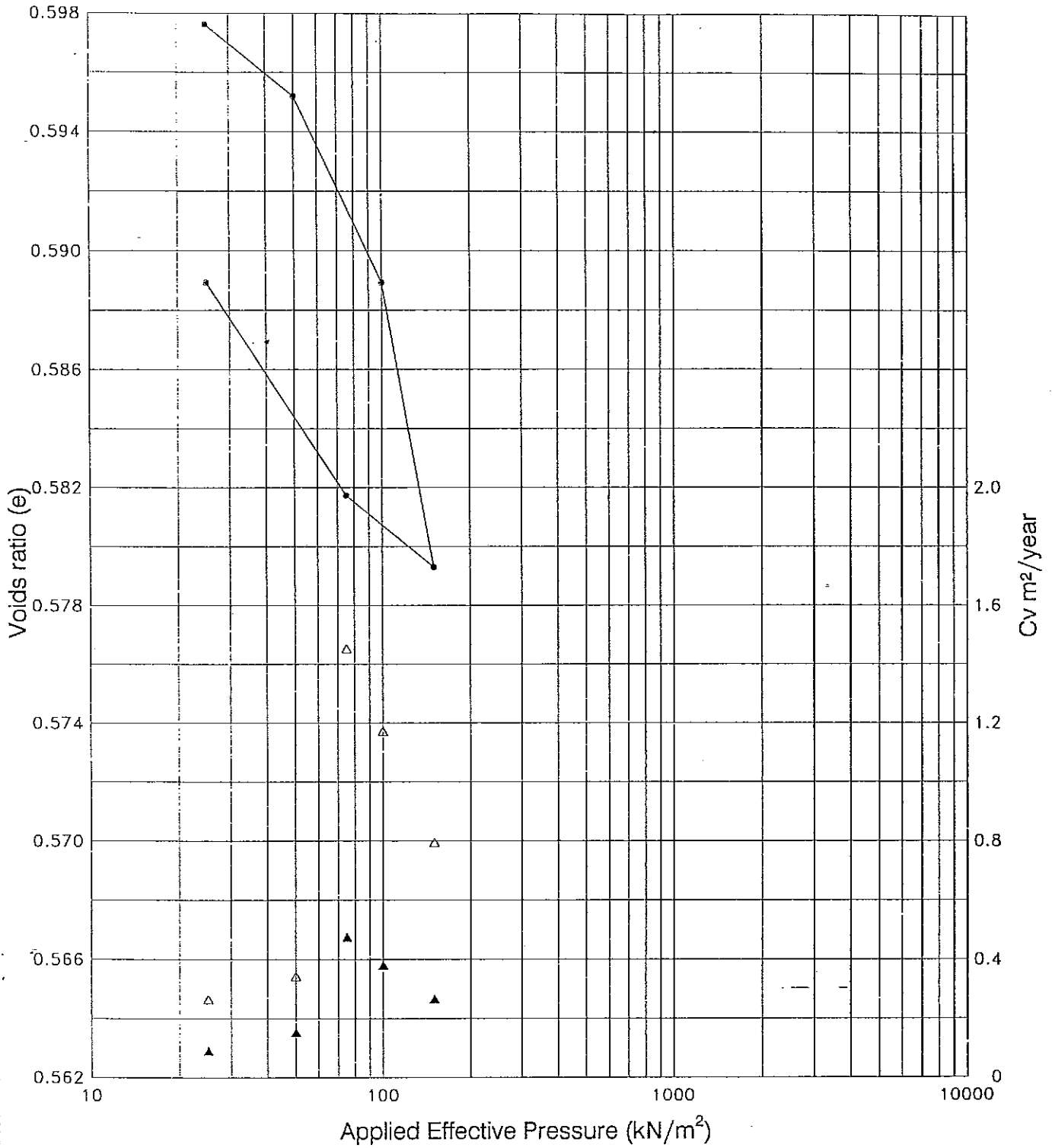
**ONE DIMENSIONAL
OEDOMETER TEST**

Project
Byrkley Park.
Football Association.

Contract 121070

Figure 15/40

Exploration Associates



Sample Dimensions	74.65 mm dia. 13.760 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.596	mv	m ² /MN	-.047	.061	.079	.121	-.021	.091				
Final Voids Ratio	.589	C _v Log t ₅₀	▲ m ² /yr	-	.15	.38	.27	.47	.09				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	Δ m ² /yr	-	.34	1.17	.79	1.45	.26				
Initial Water Content	20.45 %	Final Voids Ratio		.598	.595	.589	.579	.582	.589				
Final Water Content	23.38 %	Description	Remould @ 23% compacted using 4.5kg rammer										
Initial Saturation	90.95 %	Hole	TP4										
Initial Bulk Density	2.00 Mg/m ³	Depth	.30 - .40 m										
Initial Dry Density	1.66 Mg/m ³	Sample Type	B										
Particle Density	2.65 ASSUMED												
Sample Type	REMOULDED												

Laboratory - One Dimensional Consolidation Test Exploration Associates	Project Byrkley Park. Football Association.	Contract 121070
		Sheet LS/41 Form 45/1

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP4
Date : 23/08/01	Depth : .30 - .40 m
Description : Remould @ 23%	Sub Sample : 4H

Ring weight	110.72 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	231.18 g	Height	13.760 mm
Sample + Ring weight (after)	234.11 g	Diameter	74.65 mm
Dry weight + Ring weight	210.73 g	Area	4376.7 mm ²
Dry weight	100.01 g	Volume	60223.8 mm ³
Mass of Water (before)	20.45 g	Saturation	90.95 %
Mass of Water (after)	23.38 g	Ht of solids	8.623 mm
Initial Moisture content	20.45 %		
Final Moisture content	23.38 %		
Initial Bulk density	2.00 Mg/m ³		
Initial Dry density	1.66 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.760	5.137	.596	-.047	-	-	13.768	-	-
25	-.016	13.776	5.153	.598	.061	31.83	60.52	13.766	.15*	.34*
50	.021	13.755	5.132	.595	.079	12.55	17.40	13.728	.38*	1.17*
100	.054	13.701	5.078	.589	.121	17.81	25.41	13.660	.27*	.79*
150	.083	13.618	4.995	.579	.021	9.67	13.48	13.629	.47*	1.45*
75	-.021	13.639	5.016	.582	.091	52.19	76.45	13.670	.09*	.26*
25	-.062	13.701	5.078	.589						

* Denotes Temperature correction applied in calculating Cv value

**ONE DIMENSIONAL
OEDOMETER TEST**

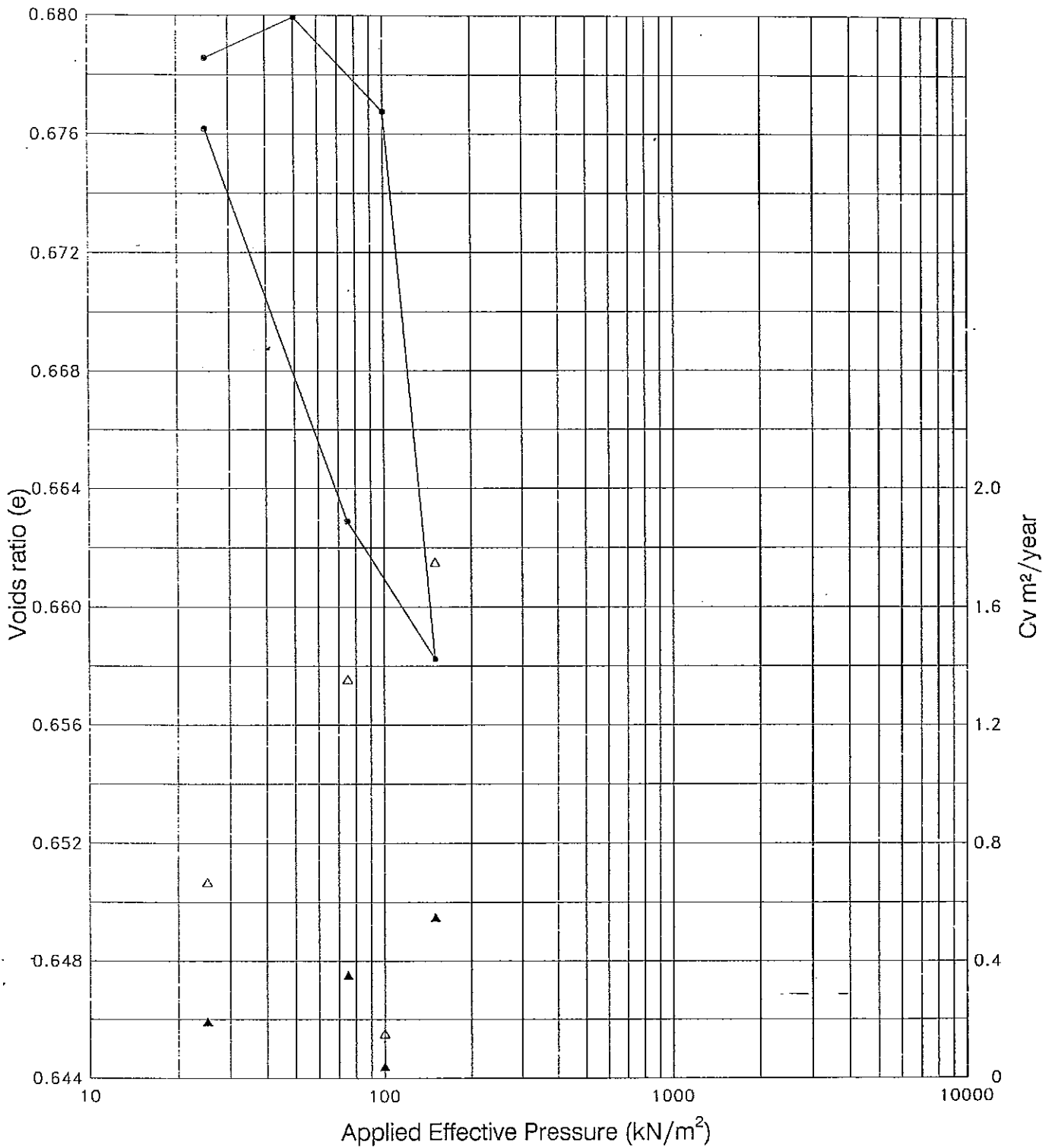
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Figure 25/42



Sample Dimensions	74.65 mm dia. 13.760 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.563	m _v	m ² /MN	2.951	-.032	.038	.221	.037	.160				
Final Voids Ratio	.676	C _v Log t ₅₀	▲ m ² /yr	-	-	.04	.55	.35	.19				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	-	.15	1.75	1.35	.67				
Initial Water Content	14.20 %	Final Voids Ratio		.679	.680	.677	.658	.663	.676				
Final Water Content	26.48 %	Description	Remould @ 12% compacted using 4.5kg rammer										
Initial Saturation	66.82 %	Hole	TP4										
Initial Bulk Density	1.94 Mg/m ³	Depth	.30 - .40 m										
Initial Dry Density	1.70 Mg/m ³	Sample Type	B										
Particle Density	2.65 ASSUMED	Laboratory -	One Dimensional Consolidation Test										
Sample Type	REMOULDED	Project	Byrkley Park. Football Association.										
Exploration Associates			Contract	121070									
			Sheet	L5/4.4									
			Form 45/1										

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP4
Date : 23/08/01	Depth : .30 - .40 m
Description : Remould @ 12%	Sub Sample : 5H

Ring weight	108.59 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	225.18 g	Height	13.760 mm
Sample + Ring weight (after)	237.71 g	Diameter	74.65 mm
Dry weight + Ring weight	210.68 g	Area	4376.7 mm ²
Dry weight	102.09 g	Volume	60223.8 mm ³
Mass of Water (before)	14.50 g	Saturation	66.82 %
Mass of Water (after)	27.03 g	Ht of solids	8.802 mm
Initial Moisture content	14.20 %		
Final Moisture content	26.48 %		
Initial Bulk density	1.94 Mg/m ³		
Initial Dry density	1.70 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.760	4.958	.563	-2.951	-	-	14.268	-	-
25	-1.015	14.775	5.973	.679	-.032	-	-	14.781	-	-
50	-.012	14.787	5.985	.680	.038	139.87	156.57	14.773	.04*	.15*
100	.028	14.759	5.957	.677	.221	9.95	13.31	14.678	.55*	1.75*
150	.163	14.596	5.794	.658	.037	15.00	16.63	14.617	.35*	1.35*
75	-.041	14.637	5.835	.663	.160	28.55	34.98	14.696	.19*	.67*
25	-.117	14.754	5.952	.676						


* Denotes Temperature correction applied in calculating Cv value

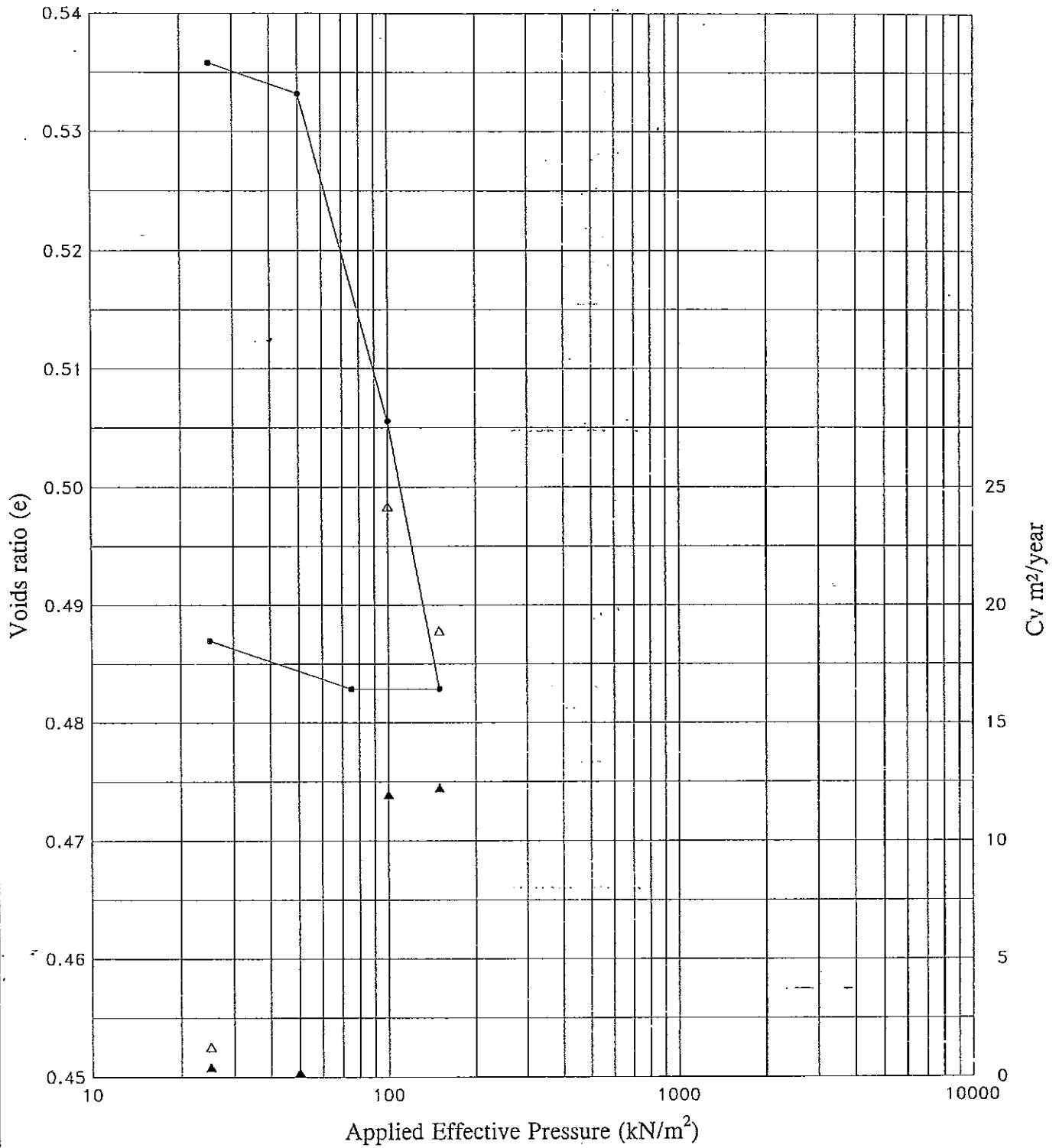
**ONE DIMENSIONAL
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Contract 121070

Figure L5/45

 **Exploration Associates**



Sample Dimensions 74.63 mm dia. 13.730 mm high Initial Voids Ratio .564 Final Voids Ratio .487 Swelling Pressure - kN/m ² Initial Water Content 10.88 % Final Water Content 18.12 % Initial Saturation 51.13 % Initial Bulk Density 1.88 Mg/m ³ Initial Dry Density 1.69 Mg/m ³ Particle Density 2.65 ASSUMED Sample Type REMOULDED	Pressure kN/m ²	0	25	50	100	150	75				
	mv m ² /MN	.711	.068	.361	.301	.000	.055				
	Cv Log t ₅₀ ▲ m ² /yr	-	.21	11.96	12.24	-	.42				
	Cv Root t ₉₀ △ m ² /yr	-	.19	24.18	18.91	-	1.27				
	Final Voids Ratio	.536	.533	.506	.483	.483	.487				
	Description Remould @10%	Hole TP8 Depth 1.50 - 1.60 m Sample Type B									
Laboratory - One Dimensional Consolidation Test	Project Byrkley Park. Football Association.										
Exploration Associates		Contract 121070 Sheet L5/43 Form 45/1									

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP8
Date : 08/08/01	Depth : 1.50 - 1.60 m
Description : Remould @10%	Sub Sample : 1

Ring weight	109.26 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	222.12 g	Height	13.730 mm
Sample + Ring weight (after)	229.49 g	Diameter	74.63 mm
Dry weight + Ring weight	211.05 g	Area	4374.4 mm ²
Dry weight	101.79 g	Volume	60060.3 mm ³
Mass of Water (before)	11.07 g	Saturation	51.13 %
Mass of Water (after)	18.44 g	Ht of solids	8.781 mm
Initial Moisture content	10.88 %		
Final Moisture content	18.12 %		
Initial Bulk density	1.88 Mg/m ³		
Initial Dry density	1.69 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.730	4.949	.564	.711	-	-	13.608	-	-
25	.244	13.486	4.705	.536	.068	21.35	98.47	13.475	.21*	.19*
50	.023	13.463	4.682	.533	.361	.36	.76	13.342	11.96*	24.18*
100	.243	13.220	4.439	.506	.301	.34	.94	13.121	12.24*	18.91*
150	.199	13.021	4.240	.483	.000	-	-	13.021	-	-
75	.000	13.021	4.240	.483	.055	10.03	14.14	13.039	.42*	1.27*
25	-.036	13.057	4.276	.487						

* Denotes Temperature correction applied in calculating Cv value

**ONE DIMENSIONAL
OEDOMETER TEST**

Project
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Football Association.

Contract 121070



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Figure 15/46

Consolidation Test

Contract Title	: Byrkley Park.	Bore Hole	: TP8
Date	: 08/08/01	Depth	: 1.50 - 1.60 m
Description	Remould @ 12%	Sub Sample	: 2

Ring weight	109.54 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	230.84 g	Height	13.710 mm
Sample + Ring weight (after)	235.27 g	Diameter	74.65 mm
Dry weight + Ring weight	217.22 g	Area	4376.7 mm ²
Dry weight	107.68 g	Volume	60004.9 mm ³
Mass of Water (before)	13.62 g	Saturation	70.31 %
Mass of Water (after)	18.05 g	Ht of solids	9.284 mm
Initial Moisture content	12.65 %		
Final Moisture content	16.76 %		
Initial Bulk density	2.02 Mg/m ³		
Initial Dry density	1.79 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.710	4.426	.477	.429	-	-	13.637	-	-
25	.147	13.563	4.279	.461	.006	-	-	13.562	-	-
50	.002	13.561	4.277	.461	.094	1.94	2.88	13.529	2.28*	6.56*
100	.064	13.497	4.213	.454	.102	1.76	2.44	13.463	2.49*	7.67*
150	.069	13.428	4.144	.446	.009	-	-	13.433	-	-
75	-.009	13.437	4.153	.447	.042	6.92	16.57	13.451	.65*	1.15*
25	-.028	13.465	4.181	.450						

* Denotes Temperature correction applied in calculating Cv value

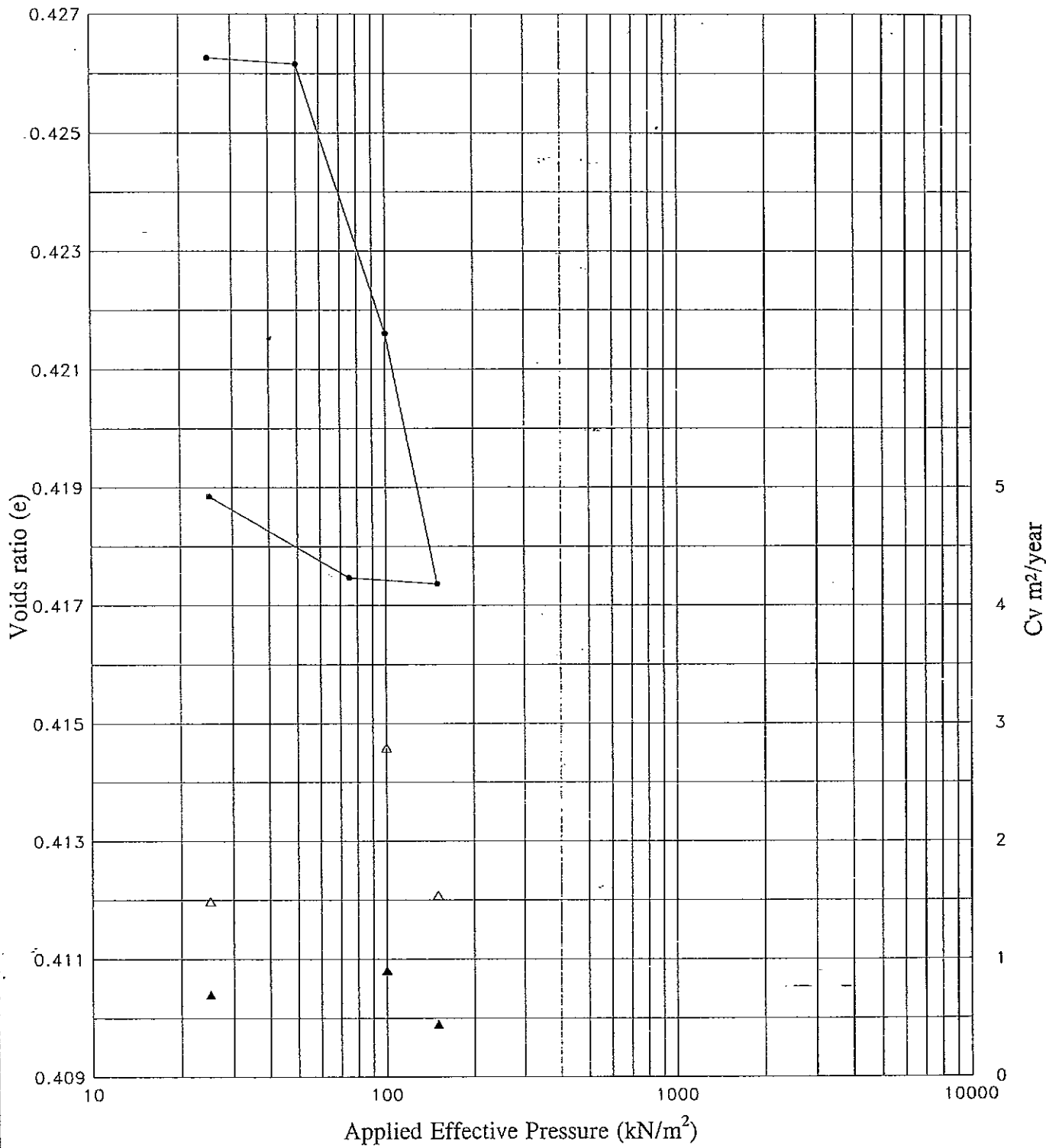
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Figure 25/42



Sample Dimensions	74.66 mm dia. 13.680 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.449	m _v	m ² /MN	.635	.003	.064	.060	.001	.019				
Final Voids Ratio	.419	C _v Log t ₅₀	▲ m ² /yr	-	-	.90	.45	-	.70				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	-	2.79	1.54	-	1.49				
Initial Water Content	14.86 %	Final Voids Ratio		.426	.426	.422	.417	.417	.419				
Final Water Content	16.25 %	Description	Remould @ 14%								Hole	TP8	
Initial Saturation	87.64 %	Depth									1.50 - 1.60 m		
Initial Bulk Density	2.10 Mg/m ³	Sample Type	REMOULDED								Sample Type	B	
Initial Dry Density	1.83 Mg/m ³	Laboratory -	One Dimensional Consolidation Test								Contract	121070	
Particle Density	2.65 ASSUMED	Project	Byrkley Park. Football Association.								Sheet	L5/27	
Sample Type	REMOULDED	Exploration Associates									Form 45/1		

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP8
Date : 08/08/01	Depth : 1.50 - 1.60 m
Description : Remould @ 14%	Sub Sample : 3

Ring weight	109.09 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	234.87 g	Height	13.680 mm
Sample + Ring weight (after)	236.40 g	Diameter	74.66 mm
Dry weight + Ring weight	218.60 g	Area	4377.9 mm ²
Dry weight	109.51 g	Volume	59889.7 mm ³
Mass of Water (before)	16.27 g	Saturation	87.64 %
Mass of Water (after)	17.80 g	Ht of solids	9.439 mm
Initial Moisture content	14.86 %		
Final Moisture content	16.25 %		
Initial Bulk density	2.10 Mg/m ³		
Initial Dry density	1.83 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.680	4.241	.449	.635	-	-	13.572	-	-
25	.217	13.463	4.024	.426	.003	-	-	13.463	-	-
50	.001	13.462	4.023	.426	.064	4.84	6.68	13.441	.90*	2.79*
100	.043	13.419	3.980	.422	.060	9.67	12.05	13.399	.45*	1.54*
150	.040	13.379	3.940	.417	.001	-	-	13.380	-	-
75	-.001	13.380	3.941	.417	.019	6.35	12.70	13.387	.70*	1.49*
25	-.013	13.393	3.954	.419						

* Denotes Temperature correction applied in calculating Cv value

**ONE DIMENSIONAL
OEDOMETER TEST**

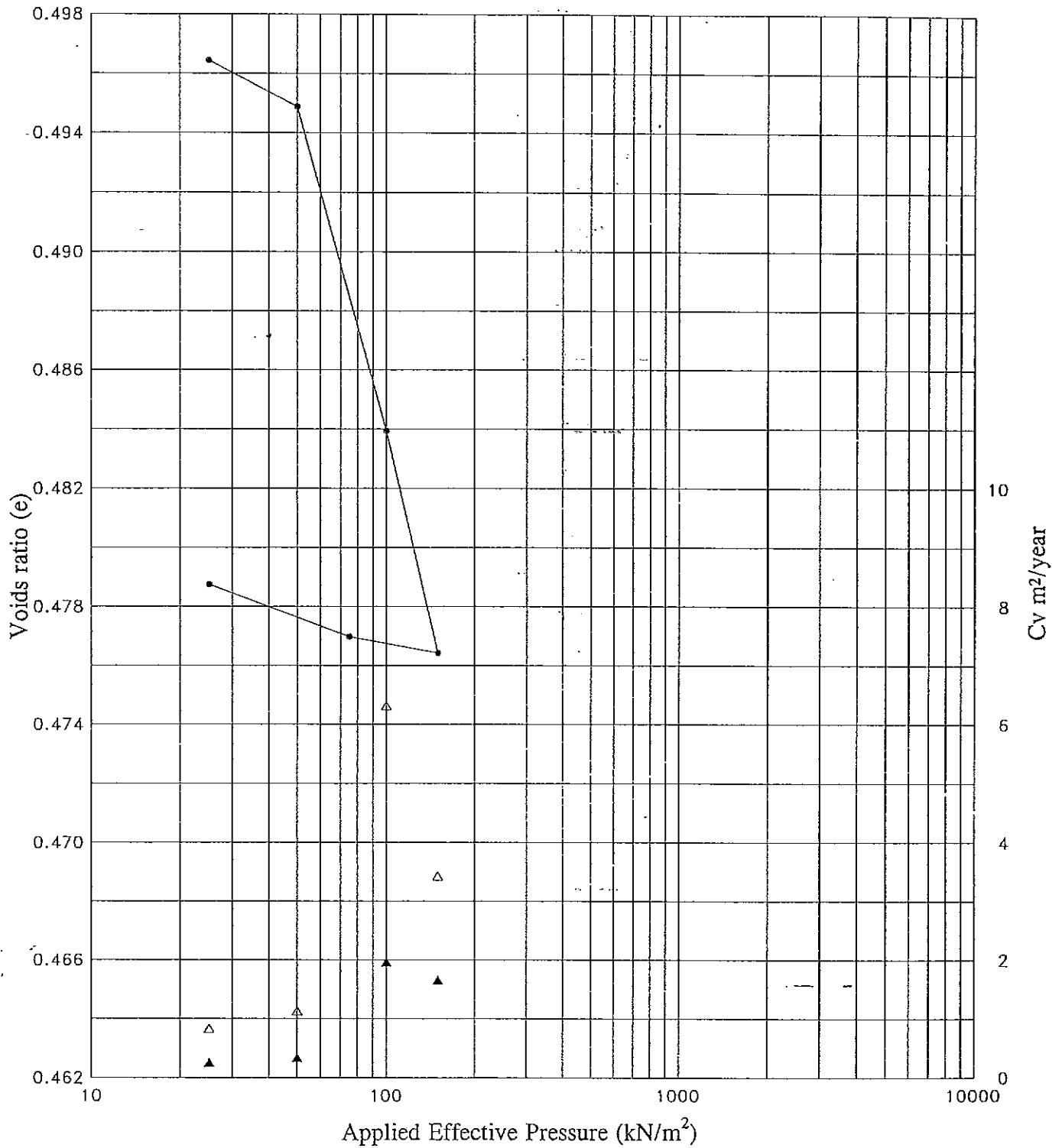
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Exploration Associates

Figure L5/50



Sample Dimensions	74.60 mm dia. 13.620 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.506	m _v	m ² /MN	.244	.041	.146	.101	.005	.024				
Final Voids Ratio	.479	C _v Log 150	▲ m ² /yr	-	.34	1.96	1.65	-	.25				
Swelling Pressure	- kN/m ²	C _v Root t90	△ m ² /yr	-	1.13	6.31	3.43	-	.83				
Initial Water Content	16.45 %	Final Voids Ratio		.496	.495	.484	.476	.477	.479				
Final Water Content	17.66 %	Description	Remould @ 16%							Hole	TP8		
Initial Saturation	86.24 %	Depth								1.50 - 1.60 m			
Initial Bulk Density	2.05 Mg/m ³	Sample Type	REMOULDED							Sample Type	B		
Initial Dry Density	1.76 Mg/m ³	Project	Byrkley Park. Football Association.							Contract	121070		
Particle Density	2.65 ASSUMED	Sheet	L5/51										
Sample Type	REMOULDED												

Consolidation Test

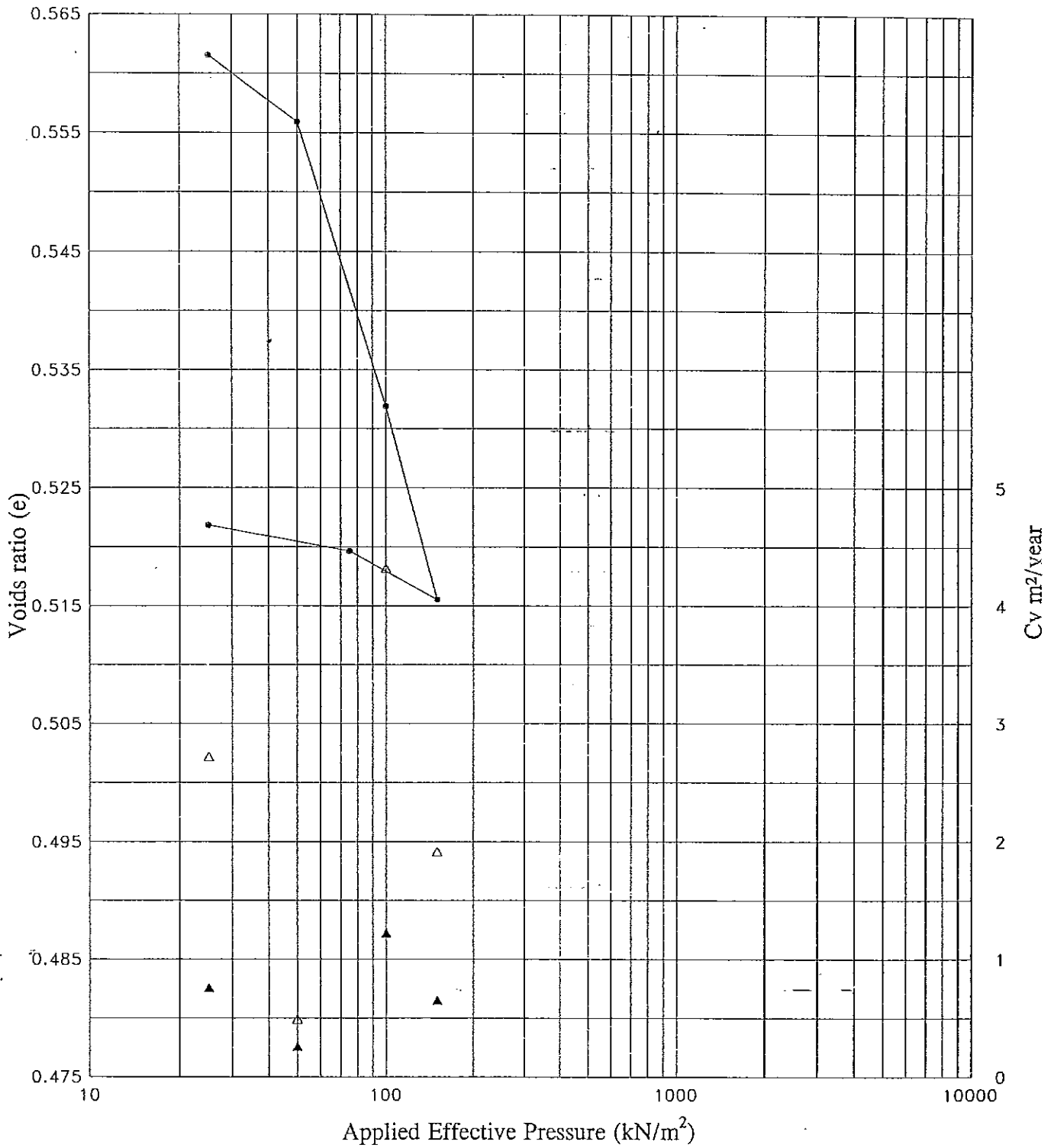
Contract Title : Byrkley Park.	Bore Hole : TP8
Date : 08/08/01	Depth : 1.50 - 1.60 m
Description : Remould @ 16%	Sub Sample : 4

Ring weight	107.28 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	229.30 g	Height	13.620 mm
Sample + Ring weight (after)	230.56 g	Diameter	74.60 mm
Dry weight + Ring weight	212.06 g	Area	4370.9 mm ²
Dry weight	104.78 g	Volume	59531.2 mm ³
Mass of Water (before)	17.24 g	Saturation	86.24 %
Mass of Water (after)	18.50 g	Ht of solids	9.046 mm
Initial Moisture content	16.45 %		
Final Moisture content	17.66 %		
Initial Bulk density	2.05 Mg/m ³		
Initial Dry density	1.76 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.620	4.574	.506						
25	.083	13.537	4.491	.496	.244	-	-	13.579	-	-
50	.014	13.523	4.477	.495	.041	13.05	16.76	13.530	.34*	1.13*
100	.099	13.424	4.378	.484	.146	2.24	2.97	13.474	1.96*	6.31*
150	.068	13.356	4.310	.476	.101	2.62	5.40	13.390	1.65*	3.43*
75	-.005	13.361	4.315	.477	.005	-	-	13.359	-	-
25	-.016	13.377	4.331	.479	.024	17.56	22.73	13.369	.25*	.83*

* Denotes Temperature correction applied in calculating cv value

ONE DIMENSIONAL OEDOMETER TEST	Project Byrkley Park. Football Association.	Contract 121070
Exploration Associates		Figure 25/52



Sample Dimensions	74.48 mm dia. 13.770 mm high	Pressure	kN/m ²	0	25	50	100	150	75					
Initial Voids Ratio	.576	m_v	m ² /MN	.366	.144	.309	.214	.036	.029					
Final Voids Ratio	.522	C_v Log t_{50}	▲ m ² /yr	-	.26	1.22	.65	-	.76					
Swelling Pressure	- kN/m ²	C_v Root t_{90}	△ m ² /yr	-	.49	4.32	1.92	-	2.72					
Initial Water Content	19.49 %	Final Voids Ratio		.562	.556	.532	.516	.520	.522					
Final Water Content	19.11 %	Description		Remould @ 18%									Hole	TP8
Initial Saturation	89.67 %												Depth	1.50 - 1.60 m
Initial Bulk Density	2.01 Mg/m ³												Sample Type	8
Initial Dry Density	1.68 Mg/m ³													
Particle Density	2.65 ASSUMED													
Sample Type	REMOULDED													
Laboratory - One Dimensional Consolidation Test	Project	Byrkley Park. Football Association.										Contract	121070	
												Sheet	L5/53	
Exploration Associates											Form 45/1			

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP8
Date : 08/08/01	Depth : 1.50 - 1.60 m
Description Remould @ 18%	Sub Sample : 5

Ring weight	110.92 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	231.46 g	Height	13.770 mm
Sample + Ring weight (after)	231.08 g	Diameter	74.48 mm
Dry weight + Ring weight	211.80 g	Area	4356.8 mm ²
Dry weight	100.88 g	Volume	59993.4 mm ³
Mass of Water (before)	19.66 g	Saturation	89.67 %
Mass of Water (after)	19.28 g	Ht of solids	8.738 mm
Initial Moisture content	19.49 %		
Final Moisture content	19.11 %		
Initial Bulk density	2.01 Mg/m ³		
Initial Dry density	1.68 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.770	5.032	.576	.366	-	-	13.707	-	-
25	.126	13.644	4.906	.562	.144	17.39	39.03	13.620	.26*	.49*
50	.049	13.595	4.857	.556	.309	3.60	4.35	13.490	1.22*	4.32*
100	.210	13.385	4.647	.532	.214	6.60	9.55	13.314	.65*	1.92*
150	.143	13.242	4.504	.516	.036	-	-	13.260	-	-
75	-.036	13.278	4.540	.520	.029	5.77	6.85	13.288	.76*	2.72*
25	-.019	13.297	4.559	.522						

* Denotes Temperature correction applied in calculating Cv value

**ONE DIMENSIONAL
OEDOMETER TEST**

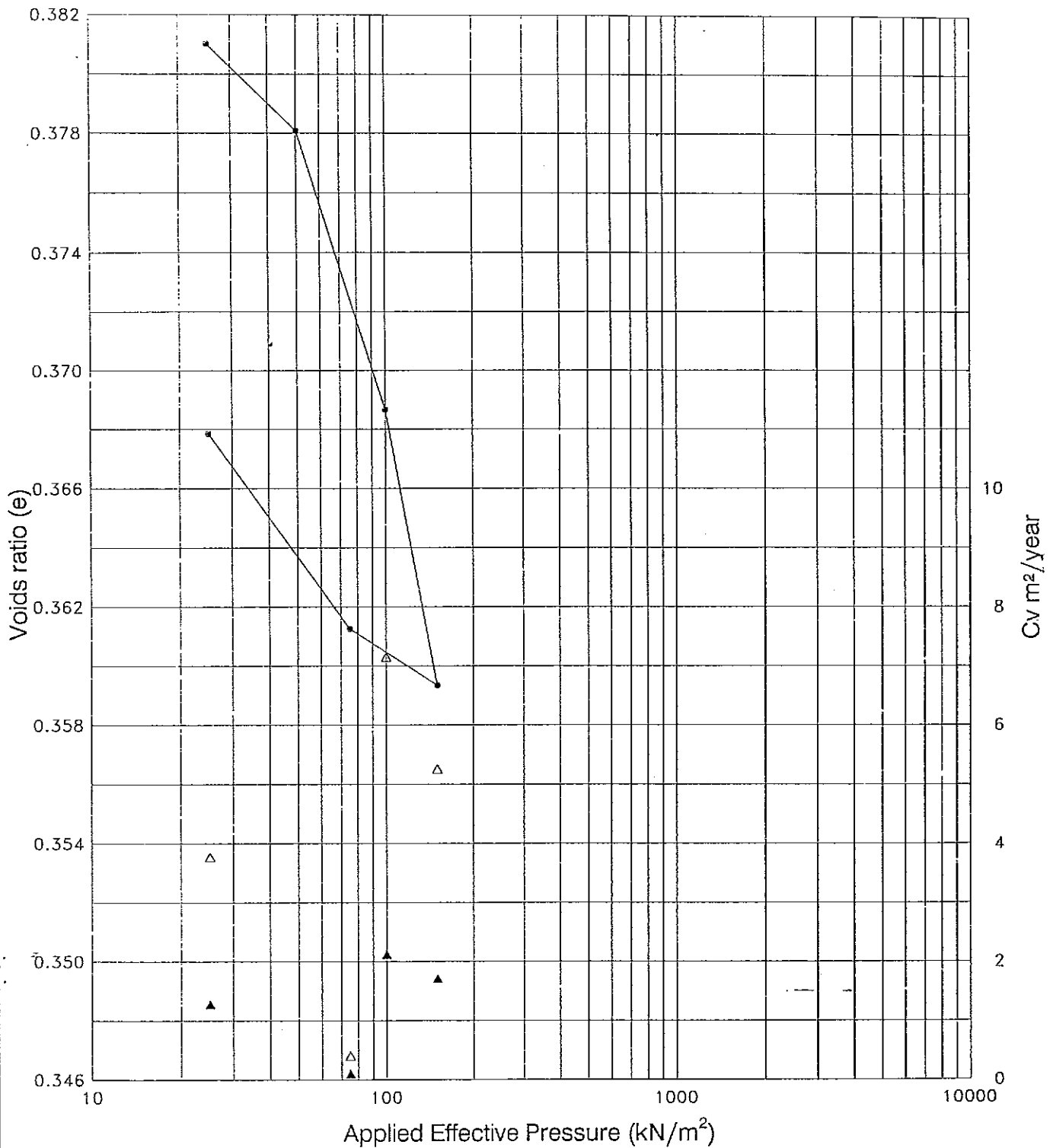
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Exploration Associates

Figure 15/12



Sample Dimensions	74.61 mm dia. 13.690 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.387	m _v	m ² /MN	.181	.085	.137	.136	.019	.097				
Final Voids Ratio	.368	C _v Log t ₅₀	▲ m ² /yr	-	-	2.12	1.71	.10	1.27				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	-	7.15	5.26	.40	3.77				
Initial Water Content	9.86 %	Final Voids Ratio		.381	.378	.369	.359	.361	.368				
Final Water Content	16.83 %	Description	Remould @ 9% compacted using 4.5kg rammer										
Initial Saturation	67.45 %	Hole	TP8										
Initial Bulk Density	2.10 Mg/m ³	Depth	1.50 - 1.60 m										
Initial Dry Density	1.91 Mg/m ³	Sample Type	B										
Particle Density	2.65 ASSUMED	Laboratory - One Dimensional Consolidation Test	Project										
Sample Type	REMOULDED		Byrkley Park. Football Association.										
			Contract 121070										
			Sheet 15/105										
			Form 45/1										

Consolidation Test

Contract Title : **Byrkley Park.**
 Date : **23/08/01**
 Description : Remould @ 9%

Bore Hole : **TP8**
 Depth : **1.50 - 1.60 m**
 Sub Sample : **1H**

Ring weight	109.69 g		
Sample + Ring weight (before)	235.29 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (after)	243.26 g	Height	13.690 mm
Dry weight + Ring weight	224.02 g	Diameter	74.61 mm
Dry weight	114.33 g		
Mass of Water (before)	11.27 g	Area	4372.0 mm ²
Mass of Water (after)	19.24 g	Volume	59853.2 mm ³
Initial Moisture content	9.86 %		
Final Moisture content	16.83 %	Saturation	67.45 %
Initial Bulk density	2.10 Mg/m ³	Ht of solids	9.868 mm
Initial Dry density	1.91 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.690	3.822	.387	.181	-	-	13.659	-	-
25	.062	13.628	3.760	.381	.085	-	-	13.614	-	-
50	.029	13.599	3.731	.378	.137	2.20	2.78	13.553	2.12*	7.15*
100	.093	13.506	3.638	.369	.136	2.69	3.73	13.460	1.71*	5.26*
150	.092	13.414	3.546	.359	.019	43.97	48.18	13.424	.10*	.40*
75	-.019	13.433	3.565	.361	.097	3.70	5.34	13.466	1.27	3.77
25	-.065	13.498	3.630	.368						


* Denotes Temperature correction applied in calculating Cv value

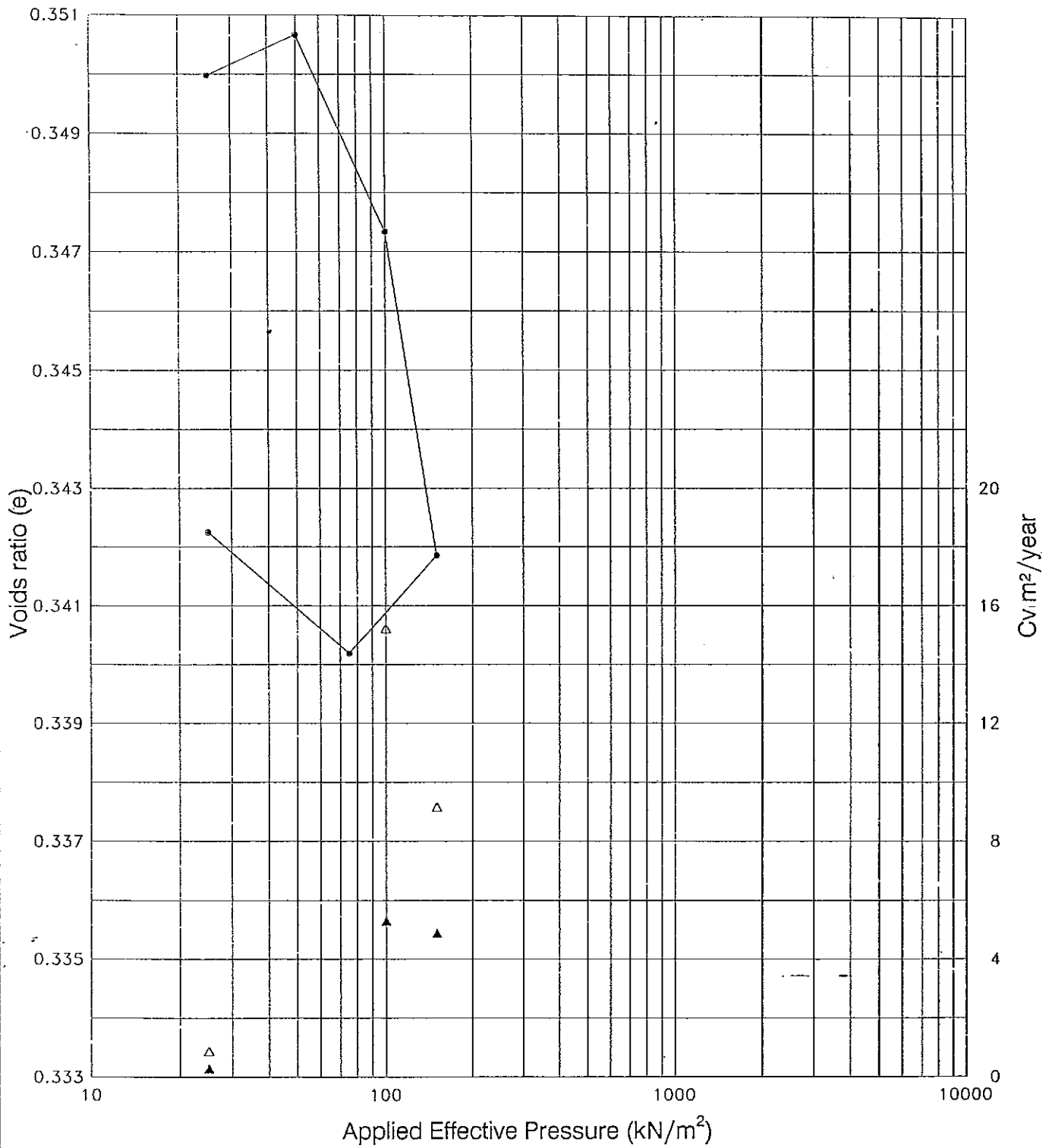
**ONE DIMENSIONAL
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Figure LS/6

 **Exploration Associates**



Sample Dimensions	74.57 mm dia. 13.720 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.343	m _v	m ² /MN	-.210	-.020	.049	.081	-.017	.031				
Final Voids Ratio	.342	C _v Log t ₅₀	▲ m ² /yr	-	-	5.29	4.88	-	.28				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	-	15.23	9.16	-	.87				
Initial Water Content	11.05 %	Final Voids Ratio		.350	.351	.347	.342	.340	.342				
Final Water Content	14.79 %	Description	Remould @ 11% compacted using 4.5kg rammer										
Initial Saturation	85.42 %	Hole	TP8										
Initial Bulk Density	2.19 Mg/m ³	Depth	1.50 - 1.60 m										
Initial Dry Density	1.97 Mg/m ³	Sample Type	8										
Particle Density	2.65 ASSUMED												
Sample Type	REMOULDED												

Laboratory - One Dimensional Consolidation Test

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Sheet 25/57

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP8
Date : 23/08/01	Depth : 1.50 - 1.60 m
Description : Remould @ 11%	Sub Sample : 2H

Ring weight	110.89 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	242.20 g	Height	13.720 mm
Sample + Ring weight (after)	246.62 g	Diameter	74.57 mm
Dry weight + Ring weight	229.13 g	Area	4367.4 mm ²
Dry weight	118.24 g	Volume	59920.1 mm ³
Mass of Water (before)	13.07 g	Saturation	85.42 %
Mass of Water (after)	17.49 g	Ht of solids	10.216 mm
Initial Moisture content	11.05 %		
Final Moisture content	14.79 %		
Initial Bulk density	2.19 Mg/m ³		
Initial Dry density	1.97 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.720	3.504	.343	-.210	-	-	13.756	-	-
25	-.072	13.792	3.576	.350	-.020	-	-	13.796	-	-
50	-.007	13.799	3.583	.351	.049	.91	1.35	13.782	5.29*	15.23*
100	.034	13.765	3.549	.347	.081	.98	2.23	13.737	4.88*	9.16*
150	.056	13.709	3.493	.342	-.017	-	-	13.701	-	-
75	.017	13.692	3.476	.340	.031	17.56	23.85	13.703	.28	.87
25	-.021	13.713	3.497	.342						

* Denotes Temperature correction applied in calculating Cv value

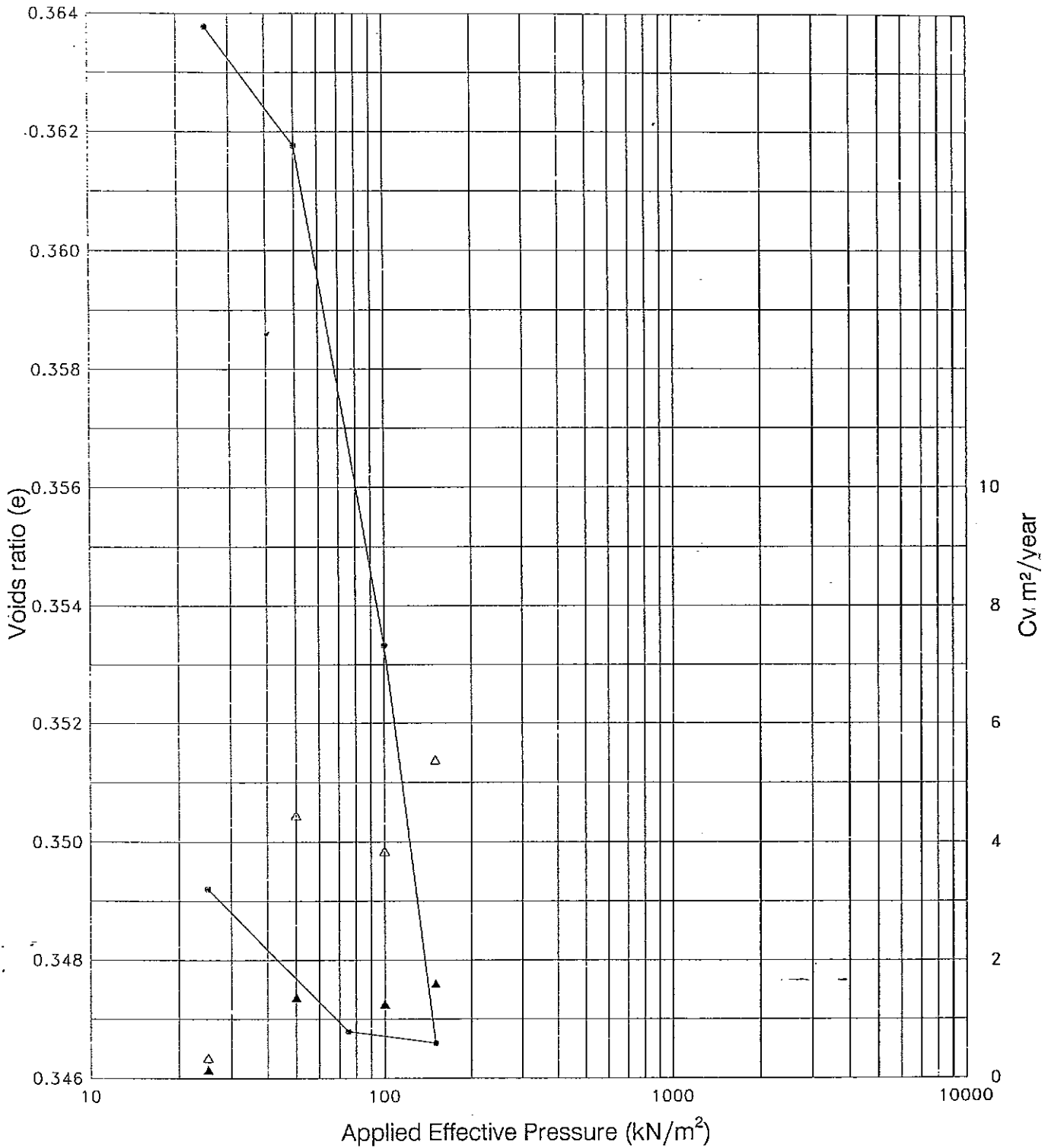
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Figure LS/58

Exploration Associates



Sample Dimensions	74.59 mm dia. 13.810 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.388	m_v	m ² /MN	.692	.059	.124	.100	.002	.036				
Final Voids Ratio	.349	C_v Log t_{50}	▲ m ² /yr	-	1.37	1.25	1.60	-	.14				
Swelling Pressure	- kN/m ²	C_v Root t_{90}	△ m ² /yr	-	4.45	3.84	5.38	-	.34				
Initial Water Content	13.54 %	Final Voids Ratio		.364	.362	.353	.347	.347	.349				
Final Water Content	15.89 %	Description	Remould @ 13% compacted using 4.5kg rammer										
Initial Saturation	92.51 %	Hole	TP8										
Initial Bulk Density	2.17 Mg/m ³	Depth	1.50 - 1.60 m										
Initial Dry Density	1.91 Mg/m ³	Sample Type	B										
Particle Density	2.65 ASSUMED	Laboratory - One Dimensional Consolidation Test	Project										
Sample Type	REMOULDED		Byrkley Park. Football Association.										
			Contract 121070										
			Sheet 15/59										
			Form 45/1										

Consolidation Test

Contract Title : **Byrkley Park.**
 Date : **23/08/01**
 Description : Remould @ 13%

Bore Hole : **TP8**
 Depth : **1.50 - 1.60 m**
 Sub Sample : **3H**

Ring weight	109.02 g		
Sample + Ring weight (before)	239.85 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (after)	242.56 g	Height	13.810 mm
Dry weight + Ring weight	224.25 g	Diameter	74.59 mm
Dry weight	115.23 g		
Mass of Water (before)	15.60 g	Area	4369.7 mm ²
Mass of Water (after)	18.31 g	Volume	60345.5 mm ³
Initial Moisture content	13.54 %		
Final Moisture content	15.89 %	Saturation	92.51 %
Initial Bulk density	2.17 Mg/m ³	Ht of solids	9.951 mm
Initial Dry density	1.91 Mg/m ³		

Load	Height	Actual	Ht Of	Voids	Mv	t50	t90	Mean	Cv (i)	Cv (ii)
kN/M ²	Change	Height	Voids	Ratio	m ² /MN	(i)	(ii)	Height	m ² /yr	m ² /yr
0	-	13.810	3.859	.388	.692	-	-	13.691	-	-
25	.239	13.571	3.620	.364	.059	3.45	4.53	13.561	1.37*	4.45*
50	.020	13.551	3.600	.362	.124	3.70	5.14	13.509	1.25*	3.84*
100	.084	13.467	3.516	.353	.100	2.86	3.63	13.434	1.60*	5.38*
150	.067	13.400	3.449	.347	.002	-	-	13.401	-	-
75	-.002	13.402	3.451	.347	.036	33.51	58.45	13.414	.14	.34
25	-.024	13.426	3.475	.349						

* Denotes Temperature correction applied in calculating Cv value

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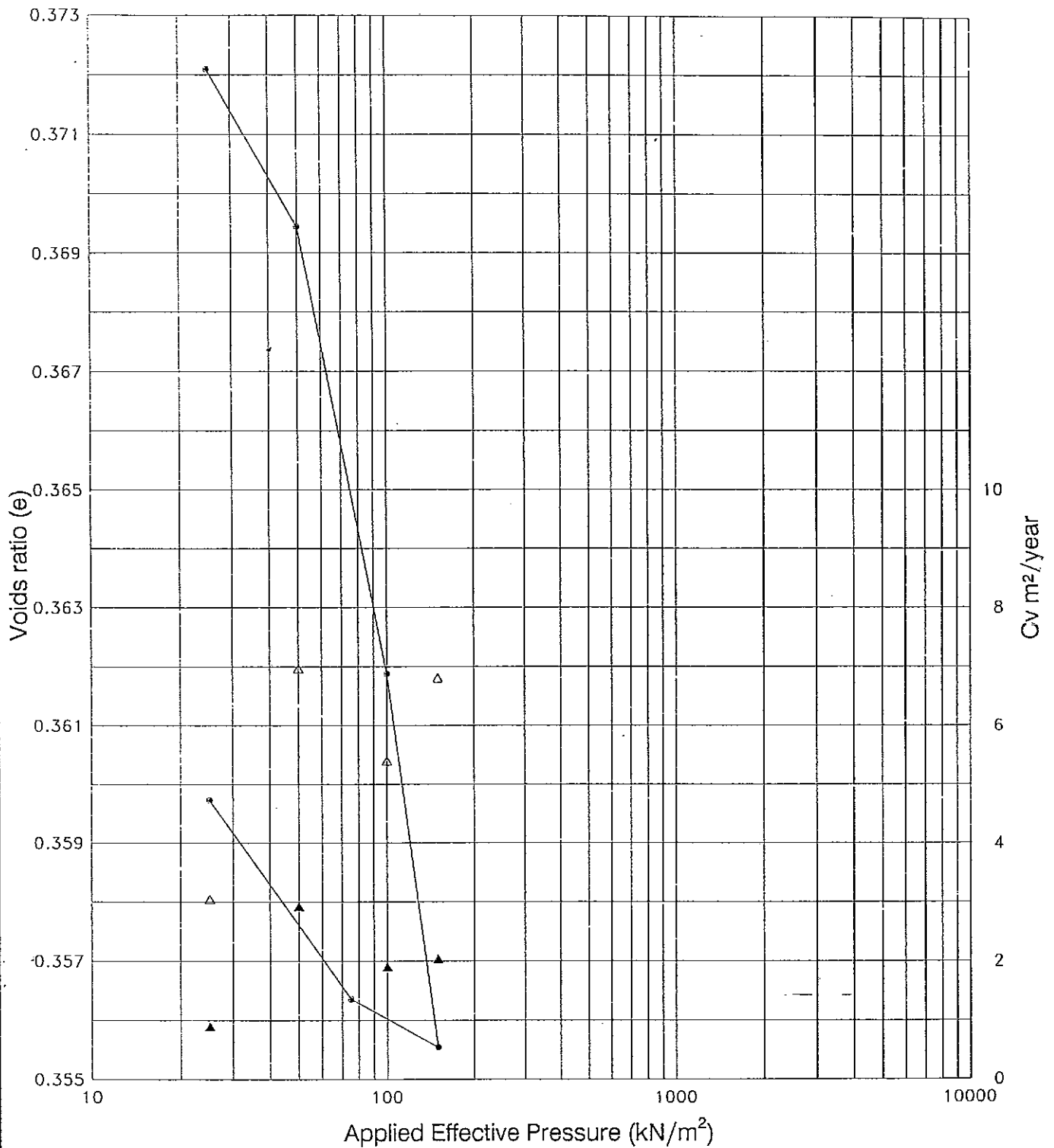
 Exploration Associates

Figure *LS/60*



Sample Dimensions	74.58 mm dia. 13.790 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.410	mv	m ² /MN	1.062	.077	.110	.093	.008	.050				
Final Voids Ratio	.360	Cv Log t ₅₀	▲ m ² /yr	-	2.92	1.90	2.04	-	.90				
Swelling Pressure	- kN/m ²	Cv Root t ₉₀	△ m ² /yr	-	6.97	5.40	6.81	-	3.04				
Initial Water Content	14.44 %	Final Voids Ratio		.372	.369	.362	.356	.356	.360				
Final Water Content	15.90 %	Description	Remould @ 15% compacted using 4.5kg rammer										
Initial Saturation	93.42 %	Hole	TP8										
Initial Bulk Density	2.15 Mg/m ³	Depth	1.50 - 1.60 m										
Initial Dry Density	1.88 Mg/m ³	Sample Type	B										
Particle Density	2.65 ASSUMED												
Sample Type	REMOULDED												

Laboratory - One Dimensional Consolidation Test Exploration Associates	Project Byrkley Park. Football Association.	Contract 121070
		Sheet L5/11

Consolidation Test

Contract Title : Byrkley Park.
 Date : 23/08/01
 Description Remould @ 15%

Bore Hole : TP8
 Depth : 1.50 - 1.60 m
 Sub Sample : 4H

Ring weight	109.67 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	239.28 g	Height	13.790 mm
Sample + Ring weight (after)	240.94 g	Diameter	74.58 mm
Dry weight + Ring weight	222.93 g	Area	4368.5 mm ²
Dry weight	113.26 g	Volume	60241.9 mm ³
Mass of Water (before)	16.35 g	Saturation	93.42 %
Mass of Water (after)	18.01 g	Ht of solids	9.784 mm
Initial Moisture content	14.44 %		
Final Moisture content	15.90 %		
Initial Bulk density	2.15 Mg/m ³		
Initial Dry density	1.88 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.790	4.006	.410	1.062	-	-	13.607	-	-
25	.366	13.424	3.640	.372	.077	1.58	2.83	13.411	2.92*	6.97*
50	.026	13.398	3.614	.369	.110	2.38	3.58	13.361	1.90*	5.40*
100	.074	13.324	3.540	.362	.093	2.20	2.81	13.293	2.04*	6.81*
150	.062	13.262	3.478	.356	.008	-	-	13.266	-	-
75	-.008	13.270	3.486	.356	.050	5.12	6.44	13.287	.90	3.04
25	-.033	13.303	3.519	.360						

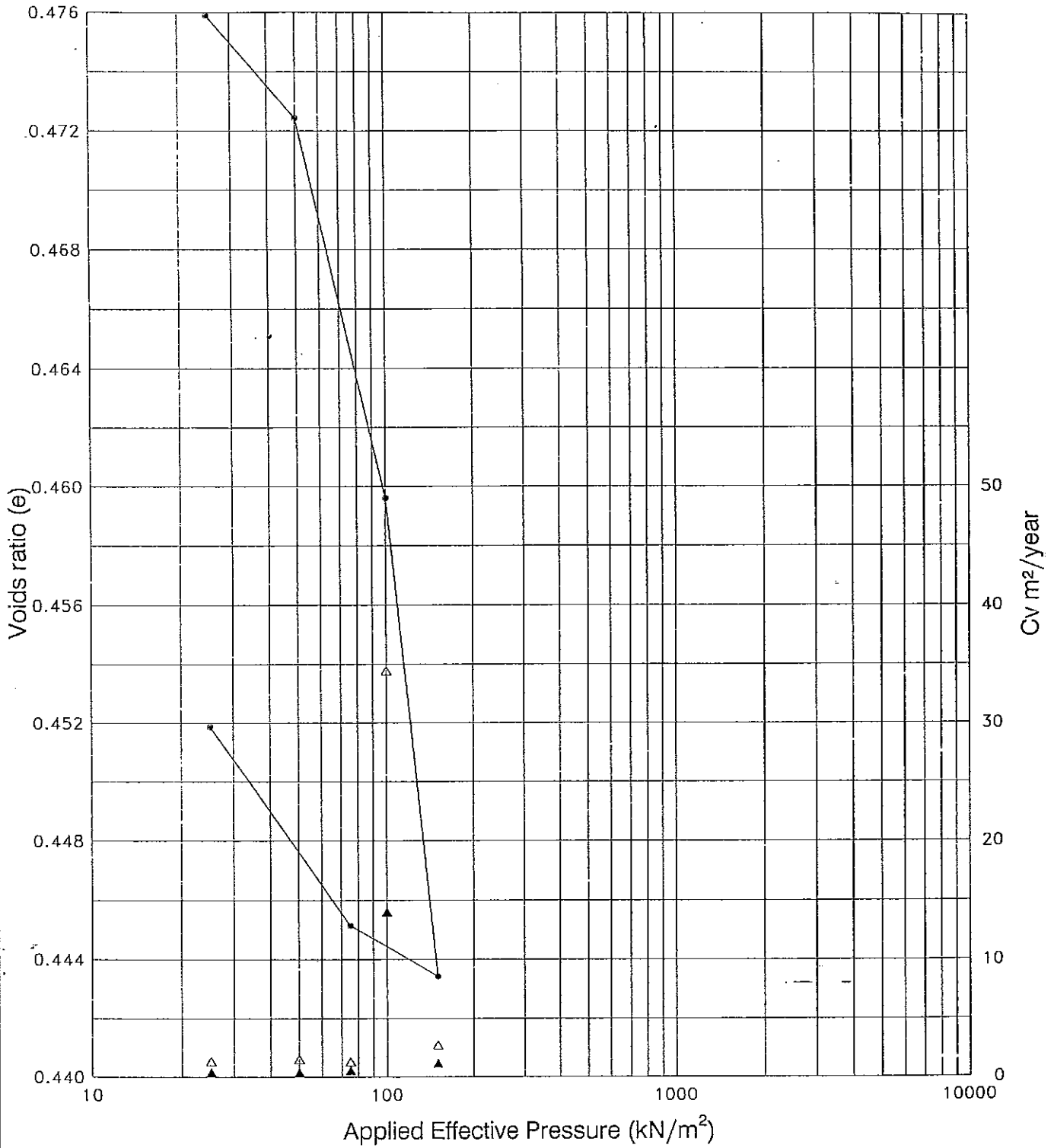
* Denotes Temperature correction applied in calculating Cv value

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Figure L5/62



Sample Dimensions 75.23 mm dia. 13.810 mm high Initial Voids Ratio .406 Final Voids Ratio .452 Swelling Pressure - kN/m ² Initial Water Content 7.41 % Final Water Content 17.75 % Initial Saturation 48.36 % Initial Bulk Density 2.02 Mg/m ³ Initial Dry Density 1.88 Mg/m ³ Particle Density 2.65 ASSUMED Sample Type REMOULDED	Pressure	kN/m ²	0	25	50	100	150	75				
	m _v	m ² /MN	1.993	.094	.174	.222	.016	.093				
	C _v Log t ₅₀	▲ m ² /yr	-	.40	14.01	1.15	.54	.39				
	C _v Root t ₉₀	△ m ² /yr	-	1.51	34.44	2.72	1.30	1.33				
	Final Voids Ratio		.476	.472	.460	.443	.445	.452				
Description Remould @ 6% compacted using 4.5kg rammer									Hole	TP8		
									Depth	1.50 - 1.60 m		
									Sample Type	B		
Laboratory - One Dimensional Consolidation Test			Project Byrkley Park. Football Association.						Contract 121070			
Exploration Associates									Sheet L5/63			
Form 45/1												

Consolidation Test

Contract Title : **Byrkley Park.**
 Date : **23/08/01**
 Description : Remould @ 6%

Bore Hole : **TP8**
 Depth : **1.50 - 1.60 m**
 Sub Sample : **5H**

Ring weight	105.92 g		
Sample + Ring weight (before)	230.20 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (after)	242.17 g	Height	13.810 mm
Dry weight + Ring weight	221.63 g	Diameter	75.23 mm
Dry weight	115.71 g		
Mass of Water (before)	8.57 g	Area	4445.0 mm ²
Mass of Water (after)	20.54 g	Volume	61385.5 mm ³
Initial Moisture content	7.41 %		
Final Moisture content	17.75 %	Saturation	48.36 %
Initial Bulk density	2.02 Mg/m ³	Ht of solids	9.823 mm
Initial Dry density	1.88 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.810	3.987	.406	-1.993	-	-	14.154	-	-
25	-.688	14.498	4.675	.476	.094	13.80	15.37	14.481	.40	1.51
50	.034	14.464	4.641	.472	.174	.38	.66	14.401	14.01*	34.44*
100	.126	14.338	4.515	.460	.222	4.49	8.08	14.259	1.15*	2.72*
150	.159	14.179	4.356	.443	.016	9.48	16.80	14.188	.54*	1.30*
75	-.017	14.196	4.373	.445	.093	12.69	16.09	14.229	.39*	1.33*
25	-.066	14.262	4.439	.452						

* Denotes Temperature correction applied in calculating Cv value

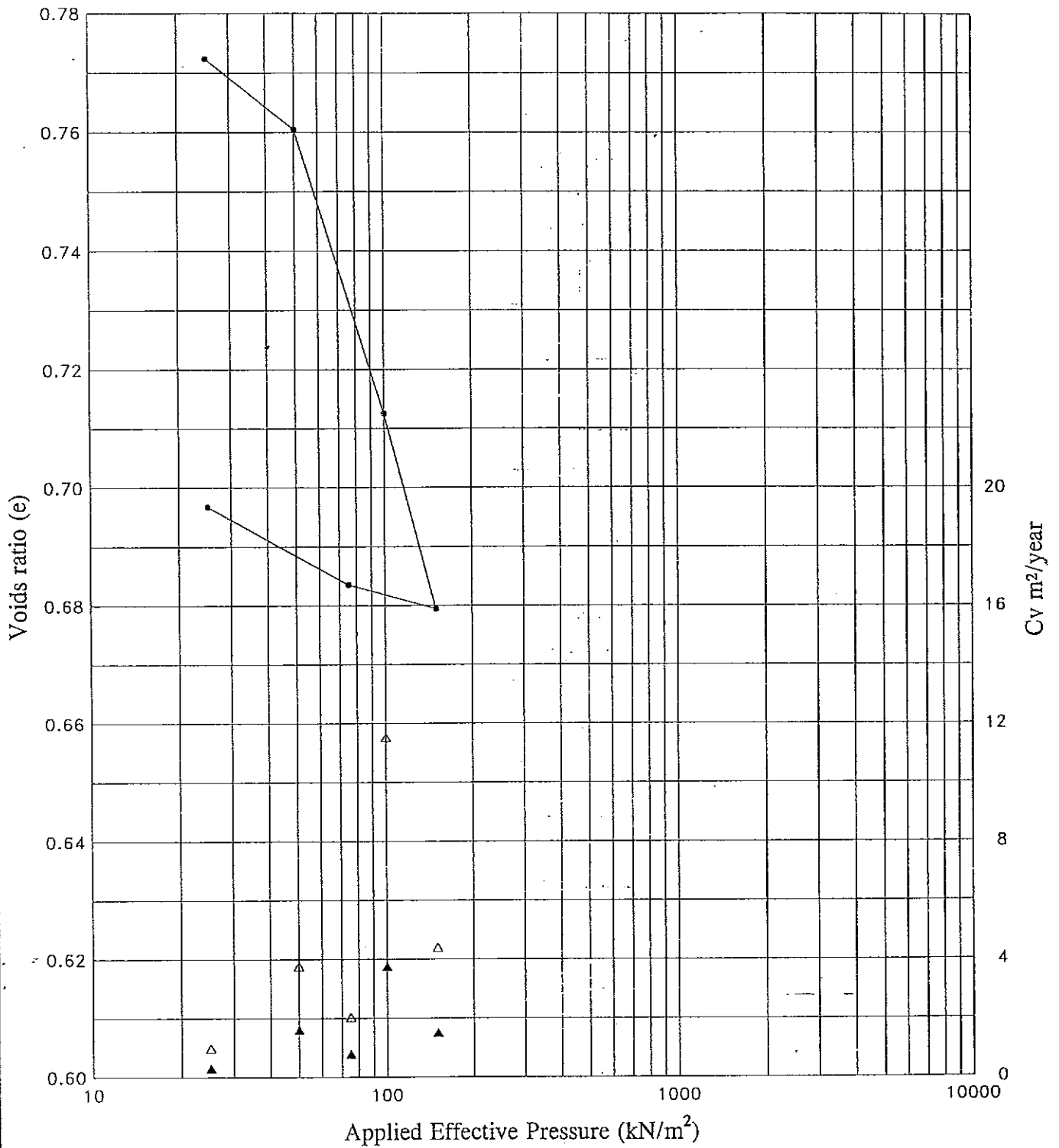
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Figure L5/64

Exploration Associates



Sample Dimensions	74.99 mm dia. 13.860 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.722	m _v	m ² /MN	1.160	.269	.545	.386	.033	.156				
Final Voids Ratio	.697	C _v Log t ₅₀	▲ m ² /yr	-	1.61	3.76	1.51	.78	.30				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	3.76	11.51	4.39	2.03	.97				
Initial Water Content	14.03 %	Final Voids Ratio		.772	.760	.713	.679	.684	.697				
Final Water Content	25.87 %	Description	Remoulded @ 13%										
Initial Saturation	51.45 %	Hole	TP10										
Initial Bulk Density	1.75 Mg/m ³	Depth	.40 - .50 m										
Initial Dry Density	1.54 Mg/m ³	Sample Type	B										
Particle Density	2.65 ASSUMED	Project	Byrkley Park. Football Association.										
Sample Type	REMOULDED	Contract	121070										
Laboratory - One Dimensional Consolidation Test		Sheet	L5/65										
Exploration Associates		Form 45/1											

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP10
Date : 06/08/01	Depth : .40 - .50 m
Description Remould @ 13%	Sub Sample : 1

Ring weight	103.49 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	210.88 g	Height	13.860 mm
Sample + Ring weight (after)	222.03 g	Diameter	74.99 mm
Dry weight + Ring weight	197.67 g	Area	4416.7 mm ²
Dry weight	94.18 g	Volume	61215.3 mm ³
Mass of Water (before)	13.21 g	Saturation	51.45 %
Mass of Water (after)	24.36 g	Ht of solids	8.047 mm
Initial Moisture content	14.03 %		
Final Moisture content	25.87 %		
Initial Bulk density	1.75 Mg/m ³		
Initial Dry density	1.54 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.860	5.813	.722	-1.160	-	-	14.061	-	-
25	-.402	14.262	6.215	.772	.269	3.15	5.74	14.214	1.61*	3.76*
50	.096	14.166	6.119	.760	.545	1.27	1.77	13.973	3.76*	11.51*
100	.386	13.780	5.733	.713	.386	3.05	4.47	13.647	1.51*	4.39*
150	.266	13.514	5.467	.679	.033	5.76	9.40	13.531	.78*	2.03*
75	-.033	13.547	5.500	.684	.156	14.88	19.64	13.600	.30*	.97*
25	-.106	13.653	5.606	.697						

* Denotes Temperature correction applied in calculating Cv value

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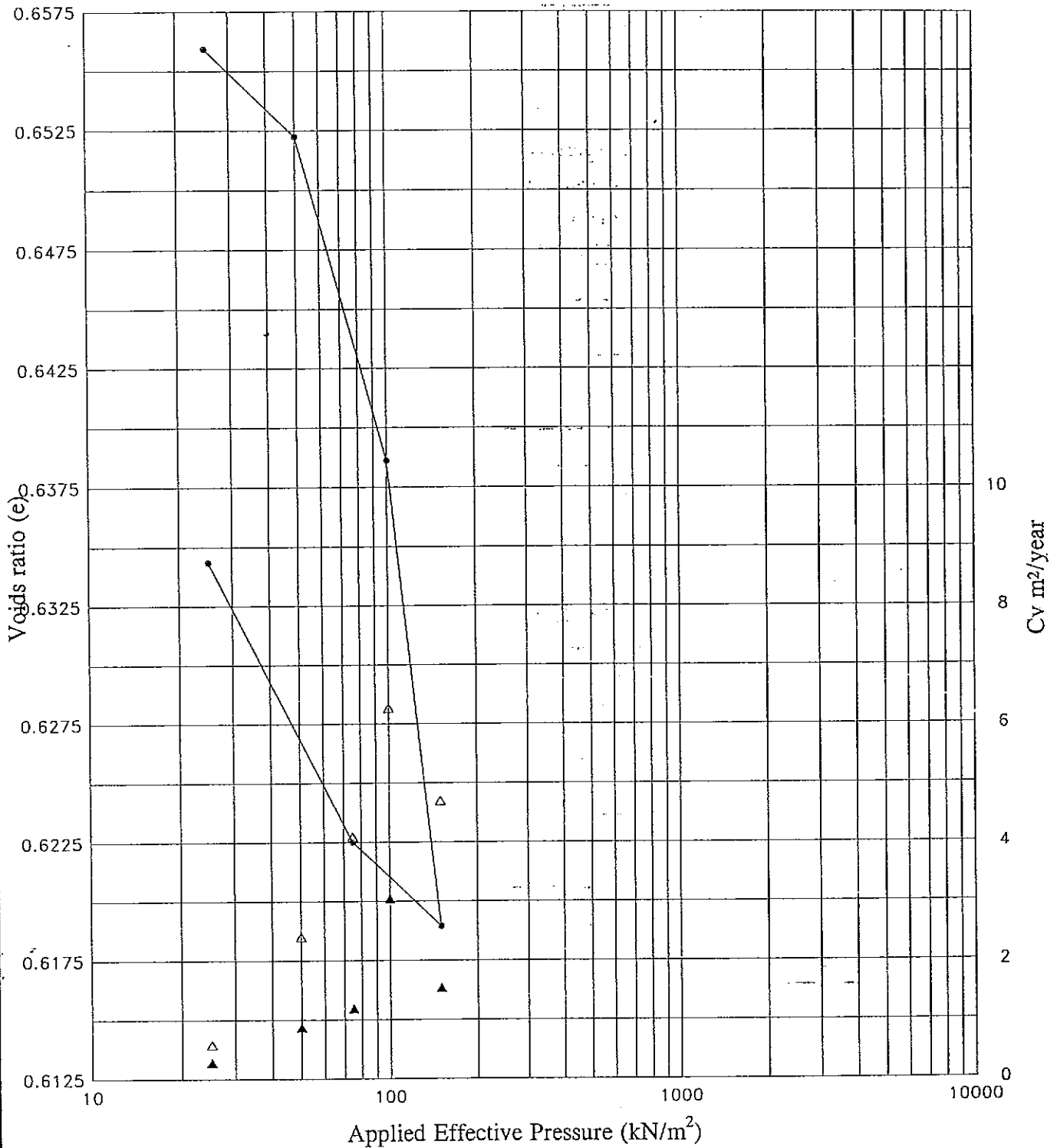
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Figure 25/66



Exploration Associates



Sample Dimensions	74.55 mm dia. 13.760 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.631	mv	m ² /MN	.616	.089	.165	.240	.029	.146				
Final Voids Ratio	.634	C _v Log t ₅₀	▲ m ² /yr	-	.87	3.04	1.53	1.19	.28				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	2.40	6.27	4.70	4.09	.58				
Initial Water Content	16.88 %	Final Voids Ratio		.656	.652	.639	.619	.622	.634				
Final Water Content	23.99 %	Description	Remoulded @16%										
Initial Saturation	70.89 %	Hole	TP10										
Initial Bulk Density	1.90 Mg/m ³	Depth	.40 - .50 m										
Initial Dry Density	1.62 Mg/m ³	Sample Type	B										
Particle Density	2.65 ASSUMED	Laboratory - One Dimensional Consolidation Test	Project										
Sample Type	REMOULDED		Byrkley Park. Football Association.										
			Contract 121070										
			Sheet 25/67										
			Form 45/1										

Consolidation Test

Contract Title	: Byrkley Park.	Bore Hole	: TP10
Date	: 06/08/01	Depth	: .40 - .50 m
Description	Remould @16%	Sub Sample	: 2

Ring weight	110.20 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	224.27 g	Height	13.760 mm
Sample + Ring weight (after)	231.21 g	Diameter	74.55 mm
Dry weight + Ring weight	207.80 g	Area	4365.0 mm ²
Dry weight	97.60 g	Volume	60062.5 mm ³
Mass of Water (before)	16.47 g	Saturation	70.89 %
Mass of Water (after)	23.41 g	Ht of solids	8.438 mm
Initial Moisture content	16.88 %		
Final Moisture content	23.99 %		
Initial Bulk density	1.90 Mg/m ³		
Initial Dry density	1.62 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.760	5.322	.631				13.866	-	-
25	-.212	13.972	5.534	.656	-.616	-	-	13.957	.87*	2.40*
50	.031	13.941	5.503	.652	.089	5.59	8.68	13.884	3.04*	6.27*
100	.115	13.826	5.388	.639	.165	1.55	3.21	13.743	1.53*	4.70*
150	.166	13.660	5.222	.619	.240	3.04	4.24	13.675	1.19*	4.09*
75	-.030	13.690	5.252	.622	.029	3.85	4.77	13.740	1.19*	4.09*
25	-.100	13.790	5.352	.634	.146	16.47	33.50	13.740	.28*	.58*

* Denotes Temperature correction applied in calculating Cv value

ONE DIMENSIONAL
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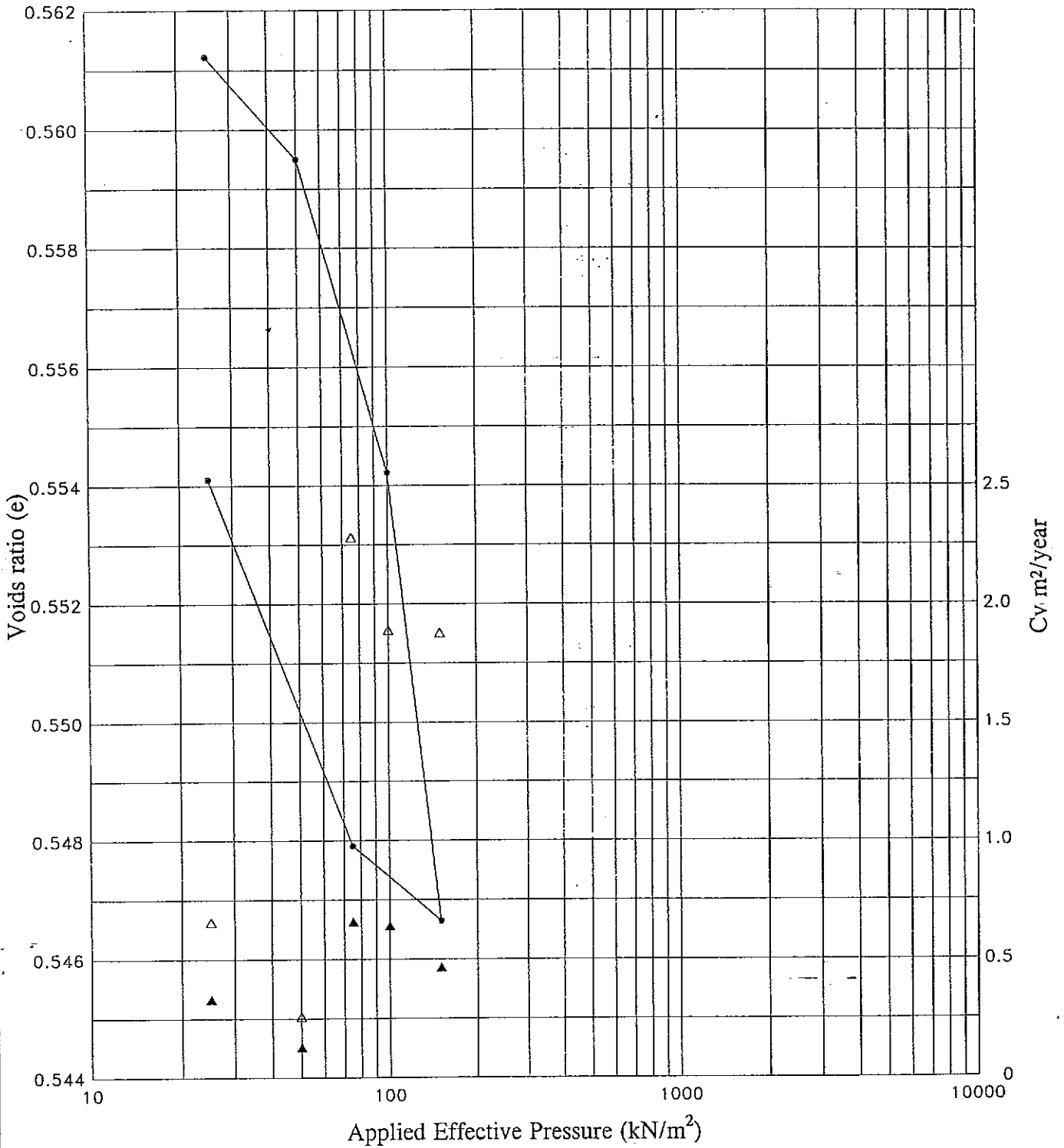
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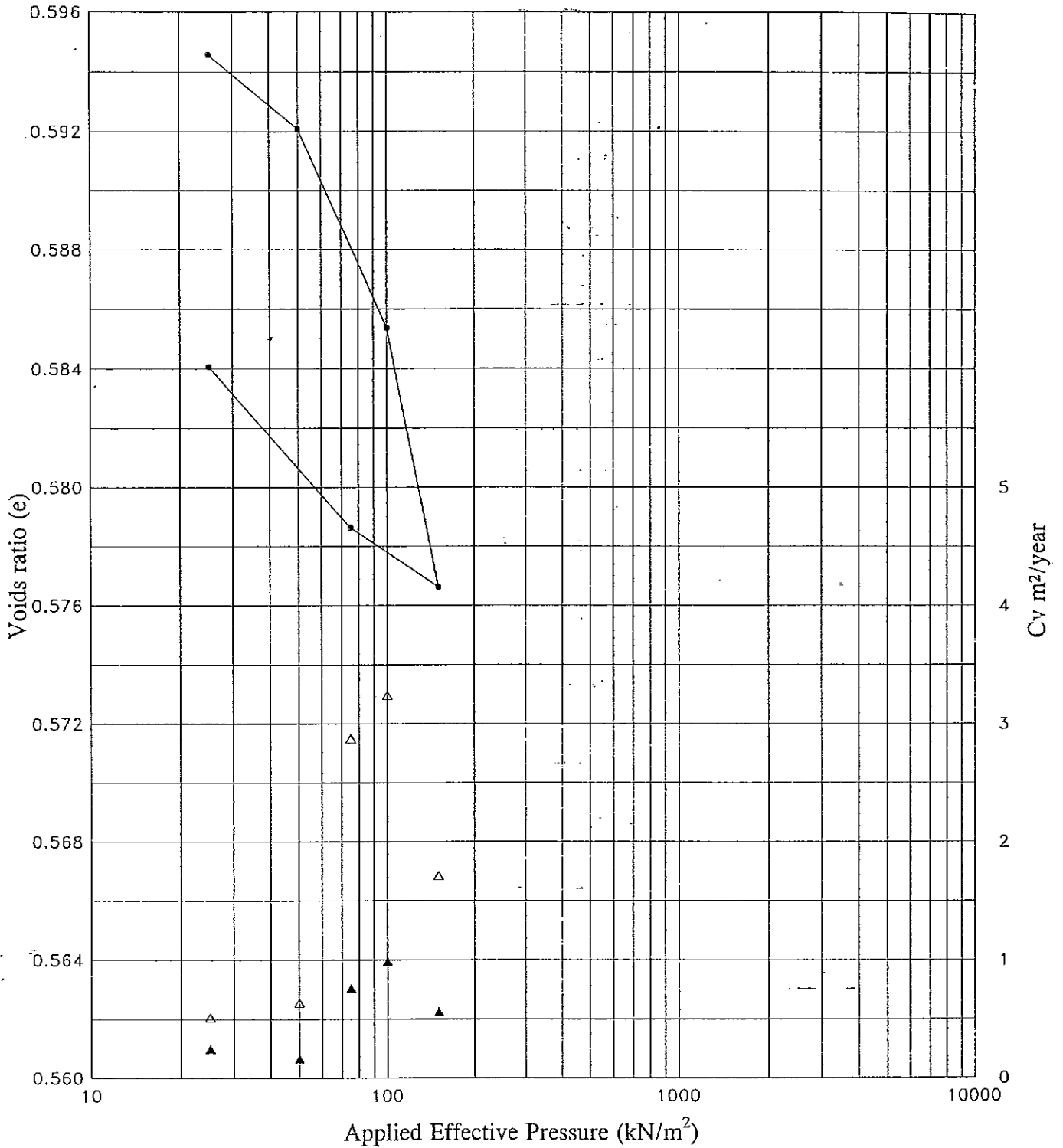
Figure 25162



Exploration Associates



Sample Dimensions	74.58 mm dia. 13.700 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.572	m _v	m ² /MN	.286	.044	.068	.097	.011	.080				
Final Voids Ratio	.554	C _v Log t ₅₀	▲ m ² /yr	-	.13	.64	.47	.66	.33				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	.26	1.89	1.88	2.28	.66				
Initial Water Content	20.42 %	Final Voids Ratio		.561	.559	.554	.547	.548	.554				
Final Water Content	22.23 %	Description	Remould @ 19%										
Initial Saturation	94.55 %	Hole	TP10										
Initial Bulk Density	2.03 Mg/m ³	Depth	.40 - .50 m										
Initial Dry Density	1.69 Mg/m ³	Sample Type	B										
Particle Density	2.65 ASSUMED	Laboratory -	One Dimensional Consolidation Test										
Sample Type	REMOULDED	Project	Byrkley Park. Football Association.										
		Contract	121070										
		Sheet	L5/67										
Exploration Associates		Form 45/1											



Sample Dimensions 74.55 mm dia.
 13.710 mm high
 Initial Voids Ratio .619
 Final Voids Ratio .584
 Swelling Pressure - kN/m²
 Initial Water Content 22.99 %
 Final Water Content 23.70 %
 Initial Saturation 98.43 %
 Initial Bulk Density 2.01 Mg/m³
 Initial Dry Density 1.64 Mg/m³
 Particle Density 2.65 ASSUMED
 Sample Type REMOULDED

Pressure	kN/m ²	0	25	50	100	150	75
mv	m ² /MN	.601	.062	.085	.110	.017	.069
C _v Log t ₅₀	▲ m ² /yr	-	.17	.99	.56	.76	.25
C _v Root t ₉₀	△ m ² /yr	-	.64	3.24	1.71	2.87	.51
Final Voids Ratio		.595	.592	.585	.577	.579	.584

Description Remould @ 22%
 Hole TP10
 Depth .40 - .50 m
 Sample Type B

Laboratory - One Dimensional Consolidation Test

Project Byrkley Park. Football Association.

Contract 121070

Exploration Associates

Sheet 45/1
Form 45/1

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP10
Date : 07/08/01	Depth : .40 - .50 m
Description Remould @ 22%	Sub Sample : 4

Ring weight	109.71 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	230.19 g	Height	13.710 mm
Sample + Ring weight (after)	230.89 g	Diameter	74.55 mm
Dry weight + Ring weight	207.67 g	Area	4365.0 mm ²
Dry weight	97.96 g	Volume	59844.3 mm ³
Mass of Water (before)	22.52 g	Saturation	98.43 %
Mass of Water (after)	23.22 g	Ht of solids	8.469 mm
Initial Moisture content	22.99 %		
Final Moisture content	23.70 %		
Initial Bulk density	2.01 Mg/m ³		
Initial Dry density	1.64 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.710	5.241	.619	.601	-	-	13.607	-	-
25	.206	13.504	5.035	.595	.062	27.56	30.43	13.494	.17*	.64*
50	.021	13.483	5.014	.592	.085	4.49	5.83	13.455	.99*	3.24*
100	.057	13.426	4.957	.585	.110	7.89	11.05	13.389	.56*	1.71*
150	.074	13.352	4.883	.577	.017	5.76	6.48	13.361	.76*	2.87*
75	-.017	13.369	4.900	.579	.069	17.56	35.96	13.392	.25*	.51*
25	-.046	13.415	4.946	.584						

* Denotes Temperature correction applied in calculating Cv value

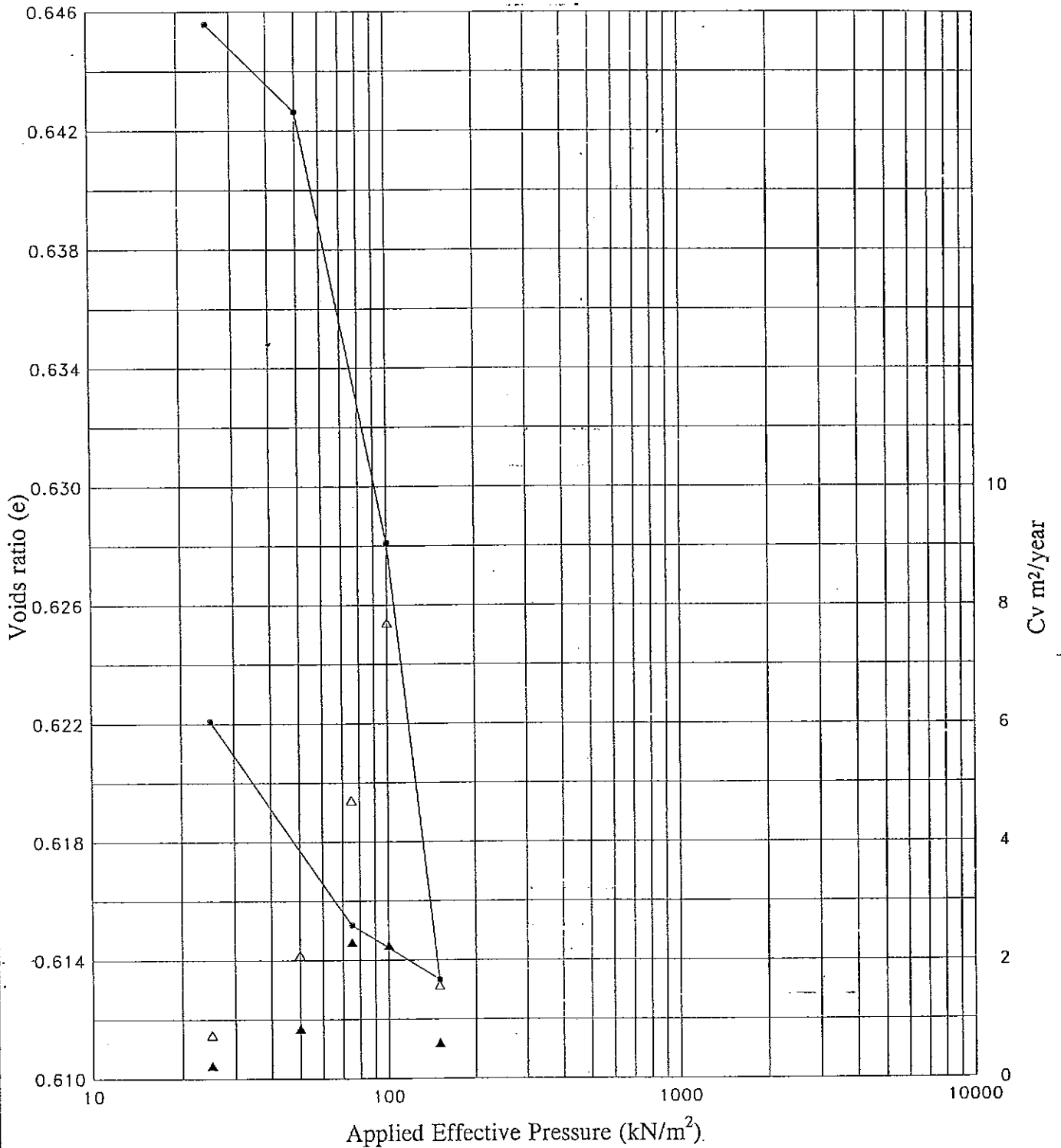
**ONE DIMENSIONAL
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Figure 15/72

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Sample Dimensions	74.61 mm dia. 13.770 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.695	mv	m ² /MN	1.159	.072	.177	.181	.015	.085				
Final Voids Ratio	.622	C _v Log t ₅₀	▲ m ² /yr	-	.84	2.24	.60	2.30	.22				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	2.08	7.70	1.57	4.70	.73				
Initial Water Content	25.46 %	Final Voids Ratio		.646	.643	.628	.613	.615	.622				
Final Water Content	25.08 %	Description	Remoulded @ 25%										
Initial Saturation	97.13 %	Hole	TP10										
Initial Bulk Density	1.96 Mg/m ³	Depth	.40 - .50 m										
Initial Dry Density	1.56 Mg/m ³	Sample Type	B										
Particle Density	2.65 ASSUMED	Project	Byrkley Park. Football Association.										
Sample Type	REMOULDED	Contract	121070										
Laboratory - One Dimensional Consolidation Test		Sheet	L5/73										
Exploration Associates		Form 45/1											

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP10
Date : 08/08/01	Depth : .40 - .50 m
Description Remould @ 25%	Sub Sample : 5

Ring weight	109.23 g		
Sample + Ring weight (before)	227.34 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (after)	226.98 g	Height	13.770 mm
Dry weight + Ring weight	203.37 g	Diameter	74.61 mm
Dry weight	94.14 g		
Mass of Water (before)	23.97 g	Area	4372.0 mm ²
Mass of Water (after)	23.61 g	Volume	60203.0 mm ³
Initial Moisture content	25.46 %		
Final Moisture content	25.08 %	Saturation	97.13 %
Initial Bulk density	1.96 Mg/m ³	Ht of solids	8.125 mm
Initial Dry density	1.56 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.770	5.645	.695	1.159	-	-	13.571	-	-
25	.399	13.371	5.246	.646	.072	5.23	9.04	13.359	.84*	2.08*
50	.024	13.347	5.222	.643	.177	1.97	2.45	13.288	2.24*	7.70*
100	.118	13.229	5.104	.628	.181	7.34	11.97	13.169	.60*	1.57*
150	.120	13.109	4.984	.613	.015	1.92	4.01	13.117	2.30*	4.70*
75	-.015	13.124	4.999	.615	.085	19.80	25.48	13.152	.22*	.73*
25	-.056	13.180	5.055	.622						

* Denotes Temperature correction applied in calculating Cv value

**ONE DIMENSIONAL
OEDOMETER TEST**

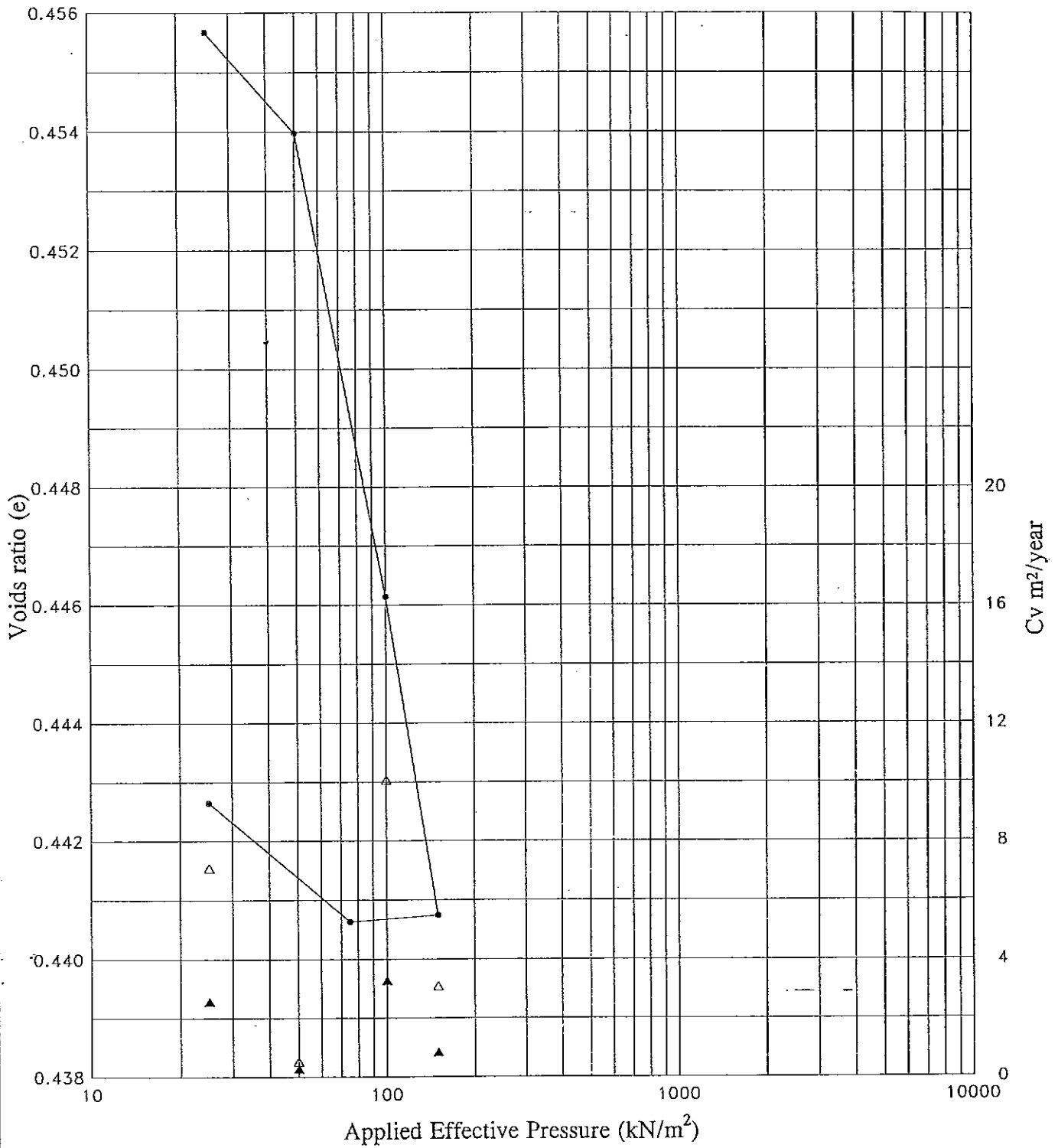
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Figure L5!72



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Sample Dimensions	75.06 mm dia. 13.860 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.468	m _v	m ² /MN	.329	.047	.108	.075	-.001	.028				
Final Voids Ratio	.443	C _v Log t ₅₀	▲ m ² /yr	-	.28	3.27	.84	-	2.56				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	.53	10.07	3.08	-	7.08				
Initial Water Content	9.29 %	Final Voids Ratio		.456	.454	.446	.441	.441	.443				
Final Water Content	15.30 %	Description	Remoulded @ 8%										
Initial Saturation	52.65 %	Hole	TP12										
Initial Bulk Density	1.97 Mg/m ³	Depth	.40 - .50 m										
Initial Dry Density	1.81 Mg/m ³	Sample Type	B										
Particle Density	2.65 ASSUMED	Project	Byrkley Park. Football Association.										
Sample Type	REMOULDED	Contract	121070										
Laboratory - One Dimensional Consolidation Test		Sheet	L5/75										
Exploration Associates		Form 45/1											

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP12
Date : 04/08/01	Depth : .40 - .50 m
Description : Remould @ 8%	Sub Sample : 1

Ring weight	103.42 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	224.44 g	Height	13.860 mm
Sample + Ring weight (after)	231.09 g	Diameter	75.06 mm
Dry weight + Ring weight	214.15 g	Area	4424.9 mm ²
Dry weight	110.73 g	Volume	61329.6 mm ³
Mass of Water (before)	10.29 g	Saturation	52.65 %
Mass of Water (after)	16.94 g	Ht of solids	9.443 mm
Initial Moisture content	9.29 %		
Final Moisture content	15.30 %		
Initial Bulk density	1.97 Mg/m ³		
Initial Dry density	1.81 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.860	4.417	.468	.329	-	-	13.803	-	-
25	.114	13.746	4.303	.456	.047	17.39	39.38	13.738	.28*	.53*
50	.016	13.730	4.287	.454	.108	1.47	2.04	13.693	3.27*	10.07*
100	.074	13.656	4.213	.446	.075	5.59	6.52	13.631	.84*	3.08*
150	.051	13.605	4.162	.441	.001	-	-	13.605	-	-
75	.001	13.604	4.161	.441	.028	1.79	2.76	13.614	2.56*	7.08*
25	-.019	13.623	4.180	.443						

* Denotes Temperature correction applied in calculating Cv value

**ONE DIMENSIONAL
OEDOMETER TEST**

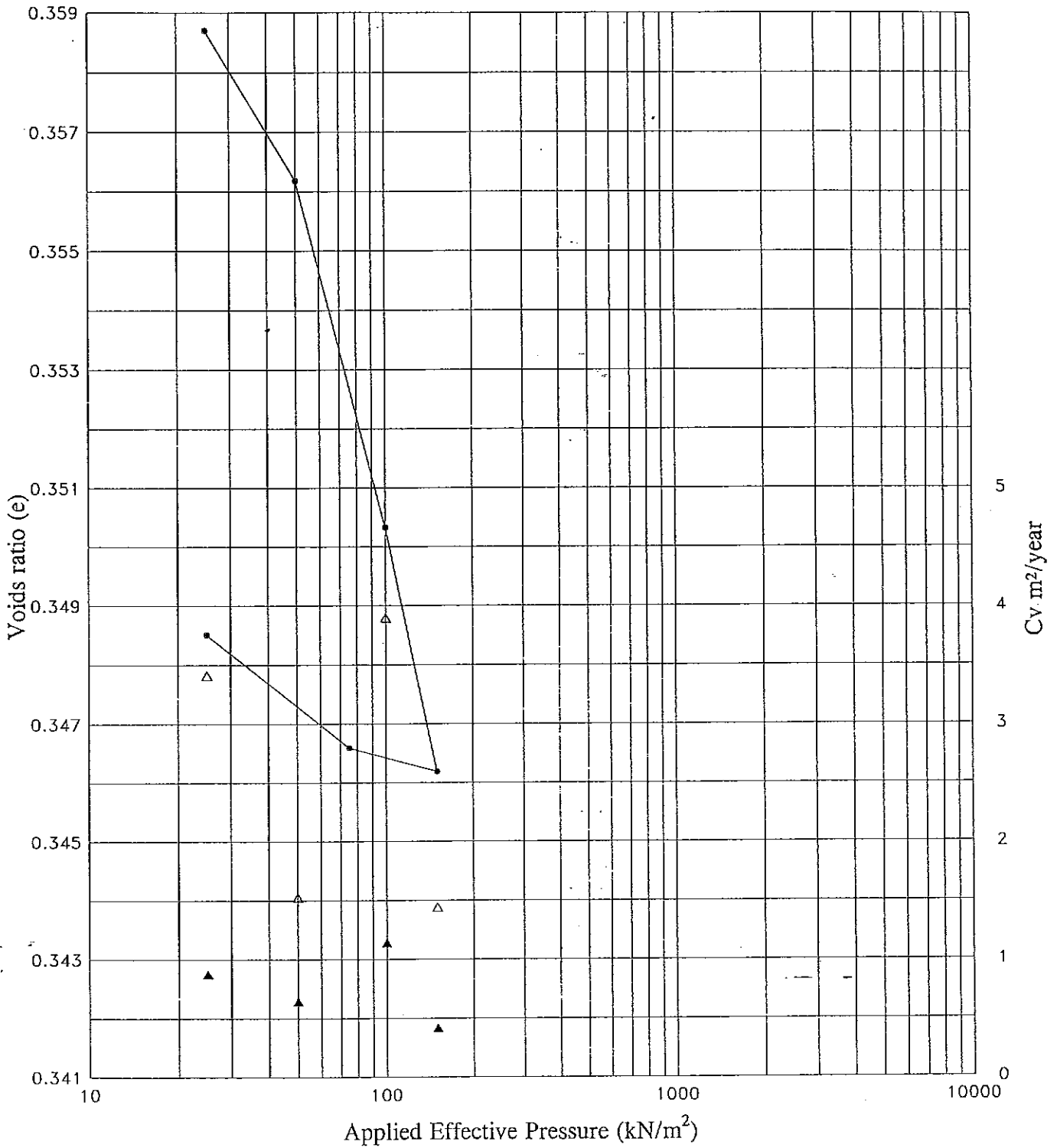
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Figure LS176



Sample Dimensions 74.95 mm dia. 13.810 mm high Initial Voids Ratio .394 Final Voids Ratio .349 Swelling Pressure - kN/m ² Initial Water Content 11.69 % Final Water Content 13.34 % Initial Saturation 78.66 % Initial Bulk Density 2.12 Mg/m ³ Initial Dry Density 1.90 Mg/m ³ Particle Density 2.65 ASSUMED Sample Type REMOULDED	Pressure kN/m ² 0 25 50 100 150 75 25 50 100 150 75									
	m _v m ² /MN 1.005 .074 .086 .061 .004 .028									
	C _v Log t ₅₀ ▲ m ² /yr - .64 1.14 .42 - .88									
	C _v Root t ₉₀ △ m ² /yr - 1.52 3.89 1.44 - 3.41									
	Final Voids Ratio .359 .356 .350 .346 .347 .349									
Laboratory - One Dimensional Consolidation Test	Project Byrkley Park. Football Association.							Contract 121070 Sheet L5177		
Exploration Associates										
Form 45/1										

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP12
Date : 04/08/01	Depth : .40 - .50 m
Description : Remould @ 10%	Sub Sample : 2

Ring weight	103.82 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	233.21 g	Height	13.810 mm
Sample + Ring weight (after)	235.12 g	Diameter	74.95 mm
Dry weight + Ring weight	219.67 g	Area	4412.0 mm ²
Dry weight	115.85 g	Volume	60929.4 mm ³
Mass of Water (before)	13.54 g	Saturation	78.66 %
Mass of Water (after)	15.45 g	Ht of solids	9.909 mm
Initial Moisture content	11.69 %		
Final Moisture content	13.34 %		
Initial Bulk density	2.12 Mg/m ³		
Initial Dry density	1.90 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.810	3.901	.394	1.005	-	-	13.637	-	-
25	.347	13.463	3.554	.359	.074	7.21	13.01	13.451	.64*	1.52*
50	.025	13.438	3.529	.356	.086	4.05	5.06	13.409	1.14*	3.89*
100	.058	13.380	3.471	.350	.061	10.77	13.41	13.360	.42*	1.44*
150	.041	13.339	3.430	.346	.004	-	-	13.341	-	-
75	-.004	13.343	3.434	.347	.028	5.03	5.51	13.353	.88*	3.41*
25	-.019	13.362	3.453	.349						

* Denotes Temperature correction applied in calculating Cv value

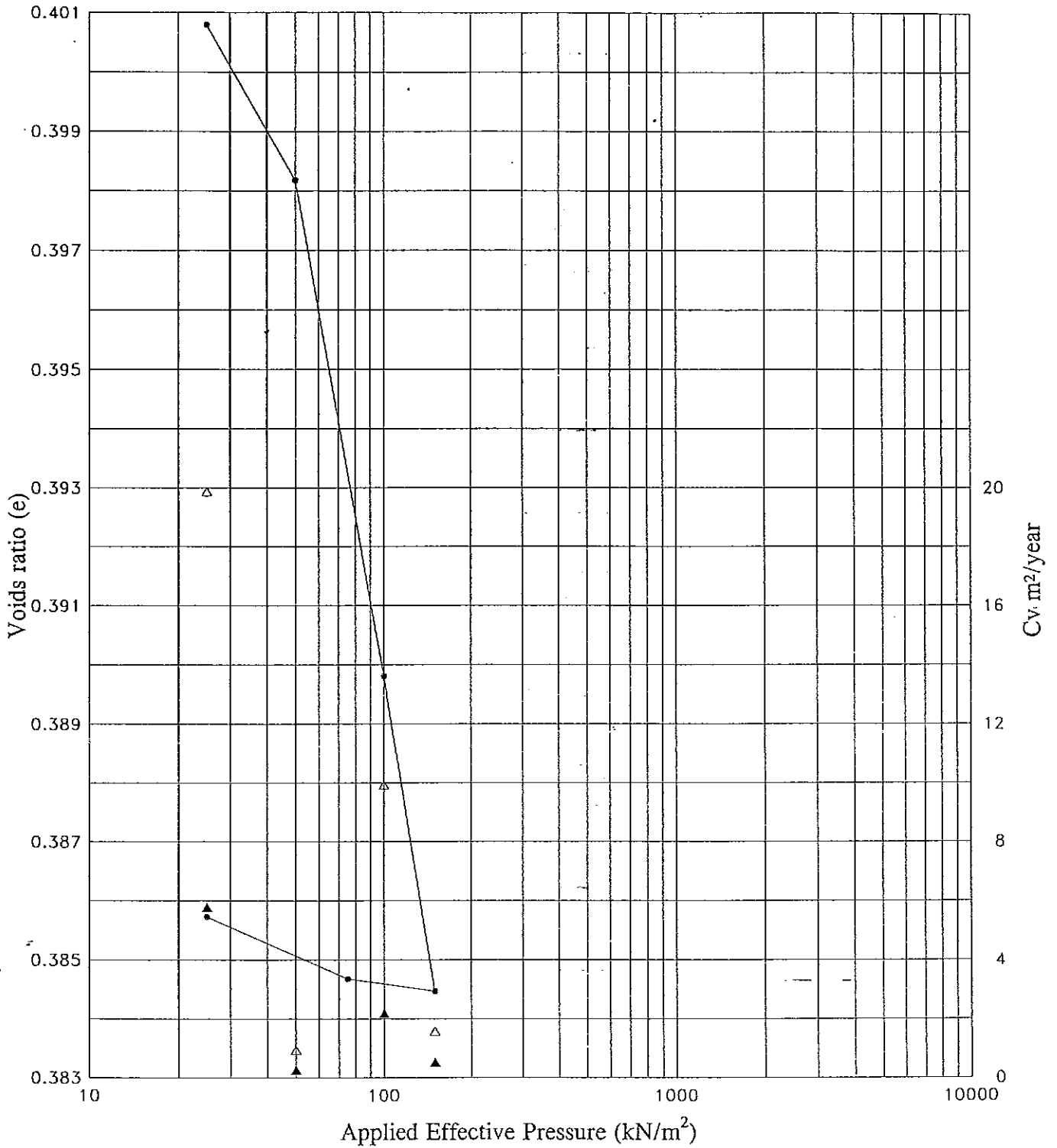
**ONE DIMENSIONAL
OEDOMETER TEST**

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Contract 121070

Figure L5/7E

Exploration Associates



Sample Dimensions 74.66 mm dia. 13.750 mm high Initial Voids Ratio .439 Final Voids Ratio .386 Swelling Pressure - kN/m ² Initial Water Content 14.42 % Final Water Content 14.79 % Initial Saturation 87.12 % Initial Bulk Density 2.11 Mg/m ³ Initial Dry Density 1.84 Mg/m ³ Particle Density 2.65 ASSUMED Sample Type REMOULDED	Pressure kN/m ²	0	25	50	100	150	75				
	m _v m ² /MN	1.053	.075	.120	.077	.002	.015				
	C _v Log t ₅₀ ▲ m ² /yr	-	.26	2.19	.52	-	5.77				
	C _v Root t ₉₀ △ m ² /yr	-	.94	9.93	1.58	-	19.87				
	Final Voids Ratio	.401	.398	.390	.384	.385	.386				
Laboratory - One Dimensional Consolidation Test	Project Byrkley Park. Football Association.							Contract 121070 Sheet LS/21 Form 45/1			
Exploration Associates											



Exploration Associates

Consolidation Test

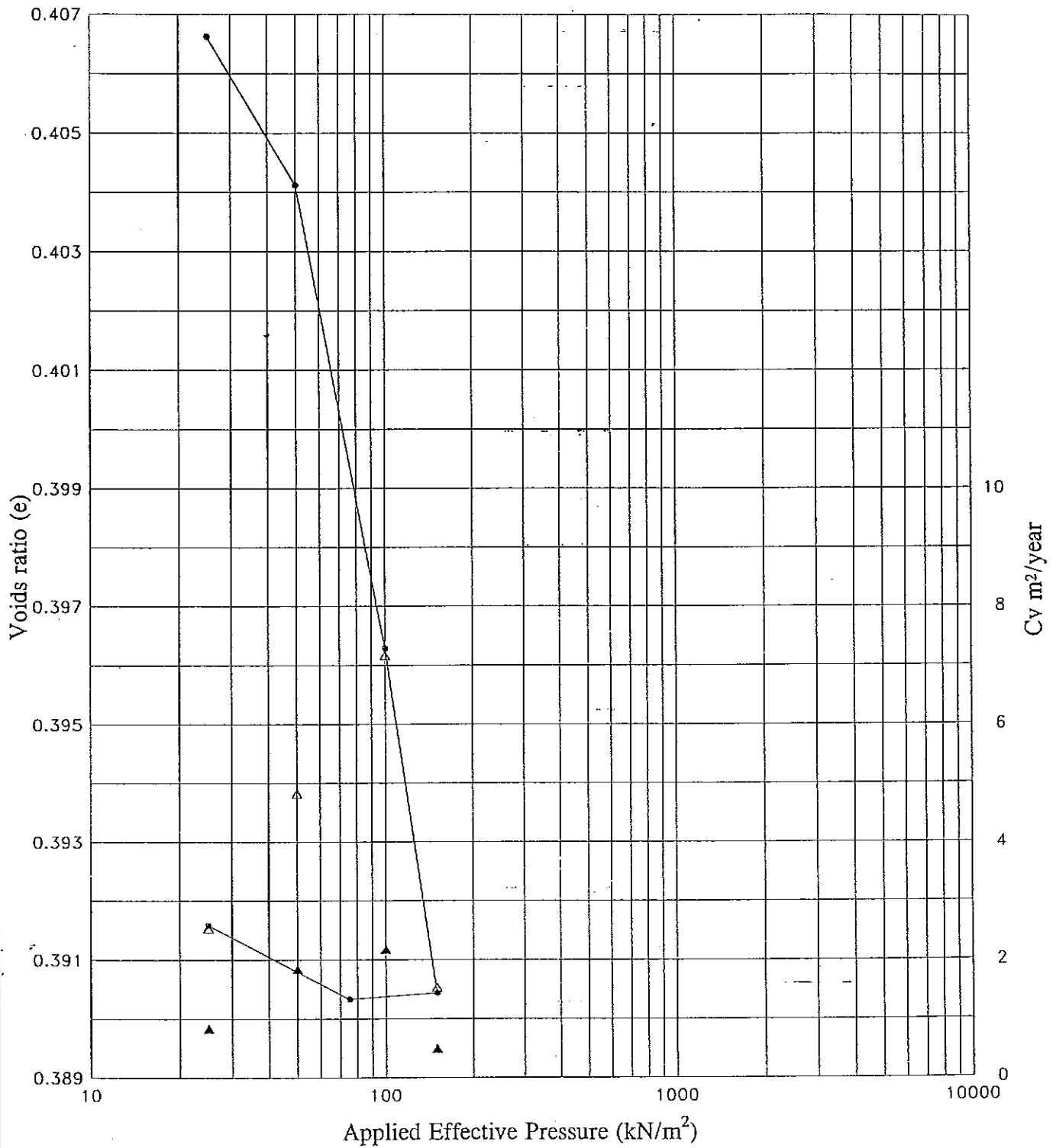
Contract Title	: Byrkley Park.	Bore Hole	: TP12
Date	: 06/08/01	Depth	: .40 - .50 m
Description	Remould @ 12%	Sub Sample	: 3

Ring weight	110.49 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	237.36 g	Height	13.750 mm
Sample + Ring weight (after)	237.77 g	Diameter	74.66 mm
Dry weight + Ring weight	221.37 g	Area	4377.9 mm ²
Dry weight	110.88 g	Volume	60196.1 mm ³
Mass of Water (before)	15.99 g	Saturation	87.12 %
Mass of Water (after)	16.40 g	Ht of solids	9.557 mm
Initial Moisture content	14.42 %		
Final Moisture content	14.79 %		
Initial Bulk density	2.11 Mg/m ³		
Initial Dry density	1.84 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.750	4.193	.439	1.053	-	-	13.569	-	-
25	.362	13.388	3.831	.401	.075	17.69	20.76	13.376	.26*	.94*
50	.025	13.363	3.806	.398	.120	2.08	1.96	13.323	2.19*	9.93*
100	.080	13.283	3.726	.390	.077	8.40	11.89	13.258	.52*	1.58*
150	.051	13.232	3.675	.384	.002	-	-	13.233	-	-
75	-.002	13.234	3.677	.385	.015	.75	.93	13.239	5.77*	19.87*
25	-.010	13.244	3.687	.386						

* Denotes Temperature correction applied in calculating Cv value

ONE DIMENSIONAL OEDOMETER TEST	Project Byrkley Park. Football Association.	Contract 121070 Figure 25/82
Exploration Associates		

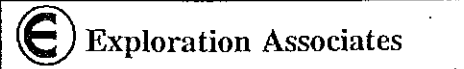


Sample Dimensions	74.60 mm dia. 13.840 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.445	m _v	m ² /MN	1.072	.071	.112	.084	-.001	.018				
Final Voids Ratio	.392	C _v Log t ₅₀	▲ m ² /yr	-	1.85	2.18	.49	-	.83				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	4.82	7.17	1.53	-	2.53				
Initial Water Content	14.56 %	Final Voids Ratio		.407	.404	.396	.390	.390	.392				
Final Water Content	14.89 %	Description	Remoulded @ 14%										
Initial Saturation	86.64 %	Hole	TP12										
Initial Bulk Density	2.10 Mg/m ³	Depth	.40 - .50 m										
Initial Dry Density	1.83 Mg/m ³	Sample Type	B										
Particle Density	2.65 ASSUMED												
Sample Type	REMOULDED												

Laboratory - One Dimensional Consolidation Test

Project
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Sheet 15/83

Form 45/1

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP12
Date : 06/08/01	Depth : .40 - .50 m
Description Remould @ 14%	Sub Sample : 4

Ring weight	111.09 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	238.15 g	Height	13.840 mm
Sample + Ring weight (after)	238.51 g	Diameter	74.60 mm
Dry weight + Ring weight	222.00 g	Area	4370.9 mm ²
Dry weight	110.91 g	Volume	60492.8 mm ³
Mass of Water (before)	16.15 g	Initial Moisture content	14.56 %
Mass of Water (after)	16.51 g	Final Moisture content	14.89 %
Initial Bulk density	2.10 Mg/m ³	Saturation	86.64 %
Initial Dry density	1.83 Mg/m ³	Ht of solids	9.575 mm

Load	Height	Actual	Ht Of	Voids	Mv	t50	t90	Mean	Cv (i)	Cv (ii)
kN/M ²	Change	Height	Voids	Ratio	m ² /MN	(i)	(ii)	Height	m ² /yr	m ² /yr
0	-	13.840	4.265	.445	1.072	-	-	13.655	-	-
25	.371	13.469	3.894	.407	.071	2.52	4.12	13.457	1.85*	4.82*
50	.024	13.445	3.870	.404	.112	2.12	2.75	13.408	2.18*	7.17*
100	.075	13.370	3.795	.396	.084	9.00	12.42	13.342	.49*	1.53*
150	.056	13.314	3.739	.390	.001	-	-	13.314	-	-
75	.001	13.313	3.738	.390	.018	5.26	7.38	13.319	.83*	2.53*
25	-.012	13.325	3.750	.392						

* Denotes Temperature correction applied in calculating Cv value

ONE DIMENSIONAL
OEDOMETER TEST

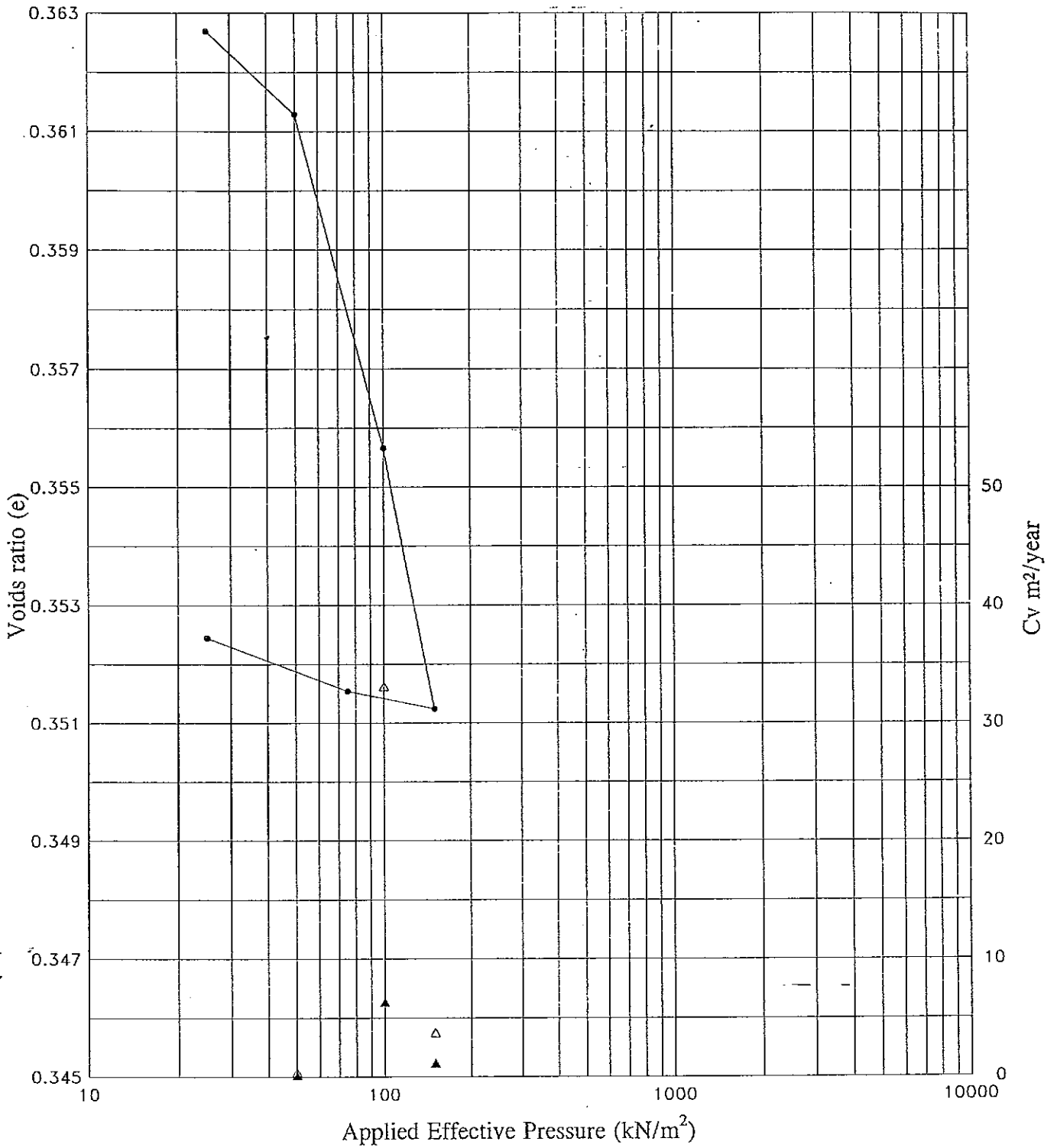
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Contract 121070

Figure 25/84



Exploration Associates



Sample Dimensions	75.08 mm dia. 13.800 mm high	Pressure	kN/m ²	0	25	50	100	150	75					
Initial Voids Ratio	.386	m_v	m ² /MN	.681	.041	.083	.065	.003	.013					
Final Voids Ratio	.352	C_v Log t_{50}	▲ m ² /yr	-	.11	6.36	1.15	-	-					
Swelling Pressure	- kN/m ²	C_v Root t_{90}	△ m ² /yr	-	.37	33.11	3.76	-	-					
Initial Water Content	12.02 %	Final Voids Ratio		.363	.361	.356	.351	.352	.352					
Final Water Content	13.92 %	Description	Remould @ 11%										Hole	TP12
Initial Saturation	82.47 %	Initial Bulk Density	2.14 Mg/m ³										Depth	.40 - .50 m
Initial Dry Density	1.91 Mg/m ³	Particle Density	2.65 ASSUMED										Sample Type	B
Sample Type	REMOULDED	Laboratory -	One Dimensional Consolidation Test										Contract	121070
		Project	Byrkley Park. Football Association.										Sheet	15/77
												Form 45/1		

Consolidation Test

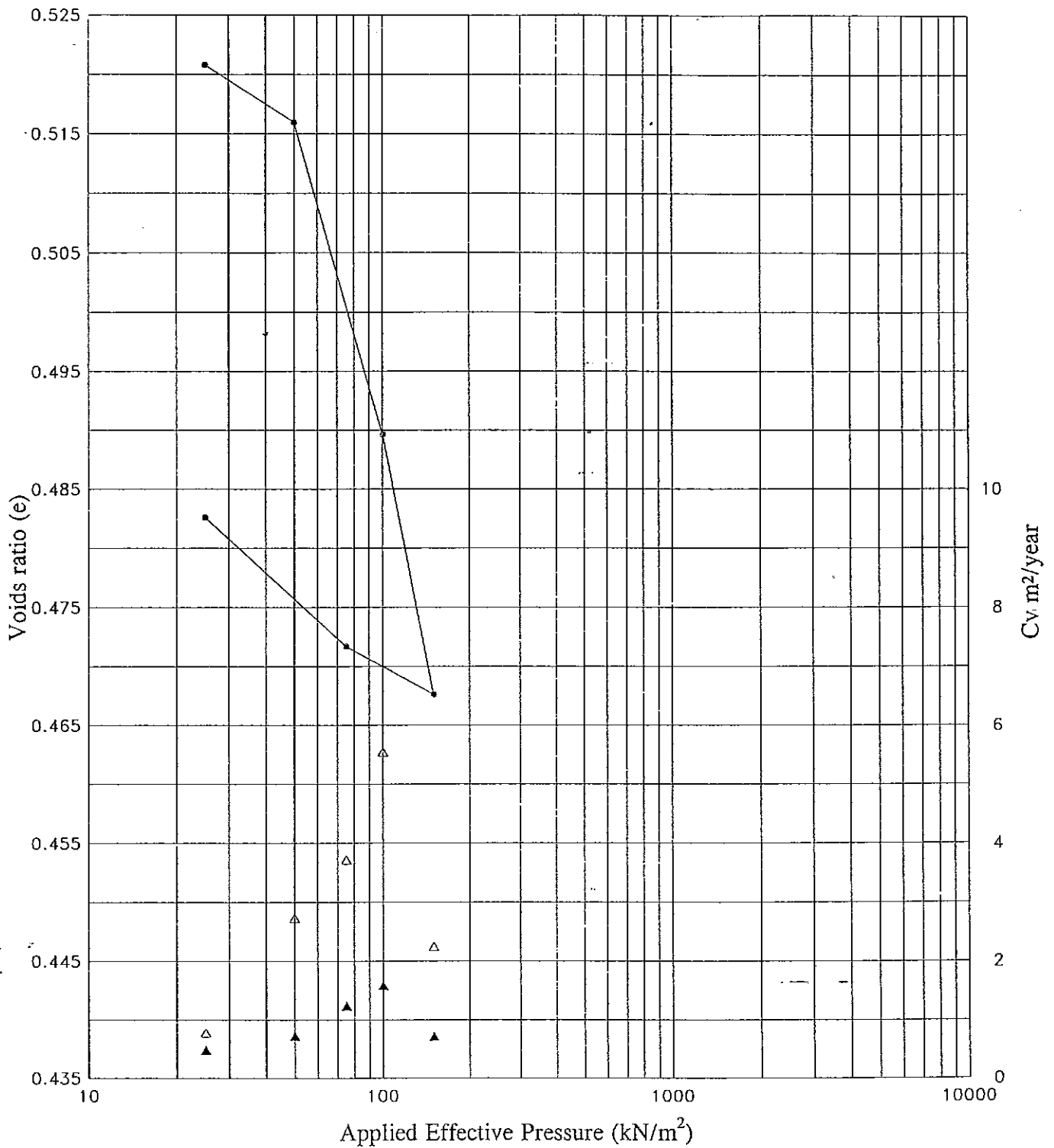
Contract Title : Byrkley Park.	Bore Hole : TP12
Date : 08/08/01	Depth : .40 - .50 m
Description Remould @ 11%	Sub Sample : 5

Ring weight	103.81 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	234.64 g	Height	13.800 mm
Sample + Ring weight (after)	236.86 g	Diameter	75.08 mm
Dry weight + Ring weight	220.60 g	Area	4427.3 mm ²
Dry weight	116.79 g	Volume	61096.7 mm ³
Mass of Water (before)	14.04 g	Initial Moisture content	12.02 %
Mass of Water (after)	16.26 g	Final Moisture content	13.92 %
Initial Moisture content	12.02 %	Saturation	82.47 %
Final Moisture content	13.92 %	Ht of solids	9.955 mm
Initial Bulk density	2.14 Mg/m ³	Initial Dry density	1.91 Mg/m ³

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.800	3.845	.386	.681	-	-	13.683	-	-
25	.235	13.565	3.610	.363	.041	39.51	52.00	13.558	.11*	.37*
50	.014	13.551	3.596	.361	.083	.72	.59	13.523	6.36*	33.11*
100	.056	13.495	3.540	.356	.065	4.00	5.23	13.473	1.15*	3.76*
150	.044	13.451	3.496	.351	.003	-	-	13.453	-	-
75	-.003	13.454	3.499	.352	.013	-	-	13.459	-	-
25	-.009	13.463	3.508	.352						

* Denotes Temperature correction applied in calculating Cv value

ONE DIMENSIONAL OEDOMETER TEST	Project Byrkley Park. Football Association.	Contract 121070
Exploration Associates		Figure 15/80



Sample Dimensions	74.60 mm dia. 13.770 mm high	Pressure	kN/m ²	0	25	50	100	150	75					
Initial Voids Ratio	.516	mv	m ² /MN	-.116	.127	.347	.296	.037	.148					
Final Voids Ratio	.483	C _v Log t ₅₀	▲ m ² /yr	-	.72	1.58	.72	1.24	.48					
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	2.73	5.55	2.25	3.72	.78					
Initial Water Content	10.33 %	Final Voids Ratio		.521	.516	.490	.468	.472	.483					
Final Water Content	17.99 %	Description	Remould @ 10%										Hole	TP13
Initial Saturation	53.03 %												Depth	1.40 - 1.50 m
Initial Bulk Density	1.93 Mg/m ³	Project	Byrkley Park. Football Association.										Sample Type	B
Initial Dry Density	1.75 Mg/m ³												Contract	121070
Particle Density	2.65 ASSUMED												Sheet	L5/25
Sample Type	REMOULDED													Form 45/1
Laboratory - One Dimensional Consolidation Test														
Exploration Associates														


Consolidation Test

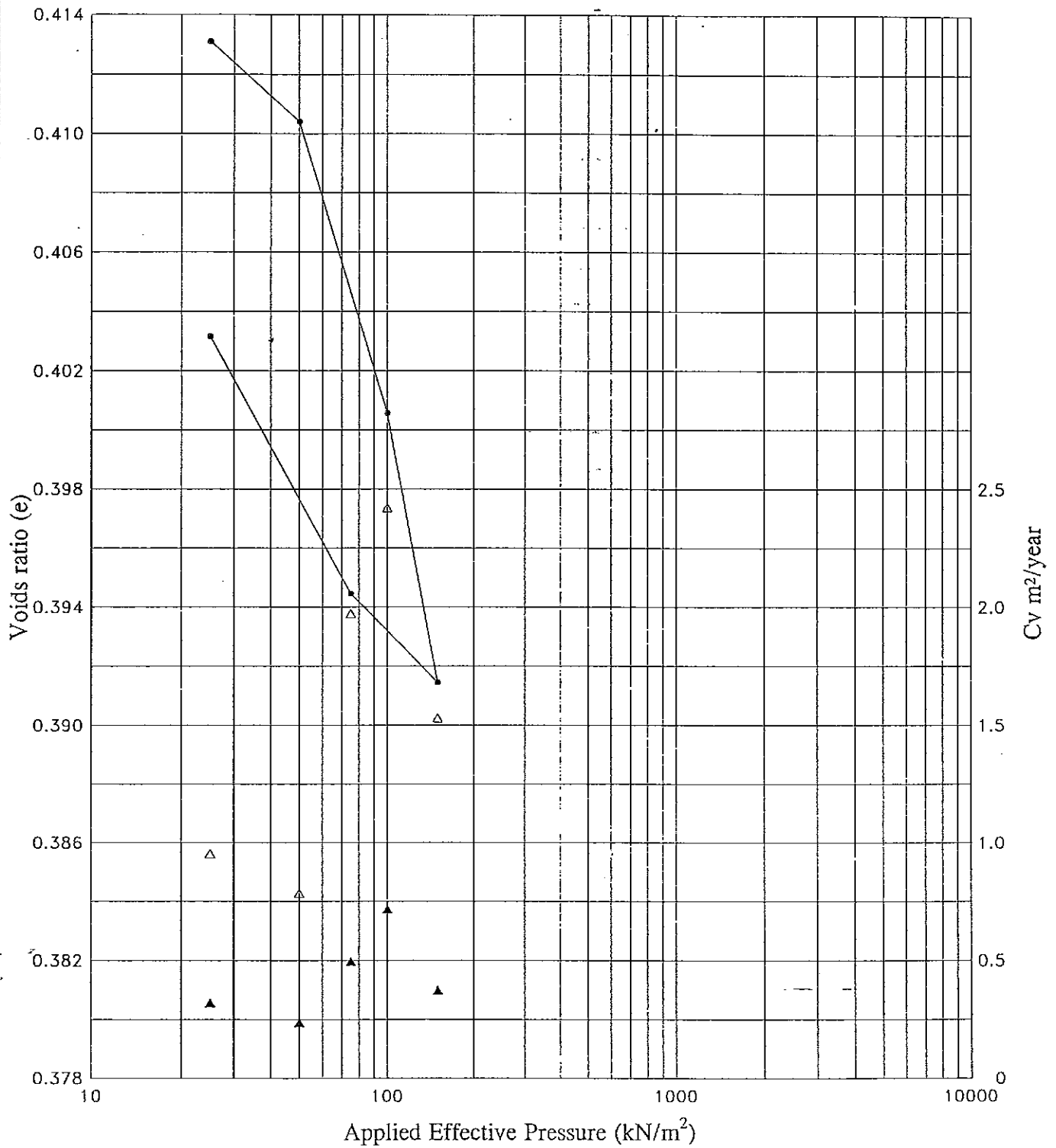
Contract Title : Byrkley Park.	Bore Hole : TP13
Date : 09/08/01	Depth : 1.40 - 1.50 m
Description Remould @ 10%	Sub Sample : 1


Ring weight	110.82 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	226.87 g	Height	13.770 mm
Sample + Ring weight (after)	234.92 g	Diameter	74.60 mm
Dry weight + Ring weight	216.00 g	Area	4370.9 mm ²
Dry weight	105.18 g	Volume	60186.8 mm ³
Mass of Water (before)	10.87 g	Initial Moisture content	10.33 %
Mass of Water (after)	18.92 g	Final Moisture content	17.99 %
Initial Moisture content	10.33 %	Saturation	53.03 %
Final Moisture content	17.99 %	Ht of solids	9.081 mm
Initial Bulk density	1.93 Mg/m ³	Initial Dry density	1.75 Mg/m ³

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.770	4.689	.516	.116	-	-	13.790	-	-
25	-.040	13.810	4.729	.521	.127	6.35	7.18	13.788	.72*	2.73*
50	.044	13.766	4.685	.516	.347	2.91	3.54	13.647	1.58*	5.55*
100	.239	13.527	4.446	.490	.296	6.21	8.44	13.427	.72*	2.25*
150	.200	13.327	4.246	.468	.037	3.56	5.05	13.346	1.24*	3.72*
75	-.037	13.364	4.283	.472	.148	9.43	24.68	13.414	.48*	.78*
25	-.099	13.463	4.382	.483						

* Denotes Temperature correction applied in calculating Cv value

ONE DIMENSIONAL OEDOMETER TEST	Project Byrkley Park. Football Association.	Contract 121070
 Exploration Associates		Figure 15/26



Sample Dimensions	74.66 mm dia. 13.700 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.420	m _v	m ² /MN	.187	.076	.140	.130	.029	.125				
Final Voids Ratio	.403	C _v Log t ₅₀	▲ m ² /yr	-	.24	.72	.37	.50	.32				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	.78	2.42	1.53	1.97	.95				
Initial Water Content	12.93 %	Final Voids Ratio		.413	.410	.401	.391	.394	.403				
Final Water Content	16.06 %	Description	Remould @ 12%									Hole	TP13
Initial Saturation	81.60 %											Depth	1.40 - 1.50 m
Initial Bulk Density	2.11 Mg/m ³											Sample Type	B
Initial Dry Density	1.87 Mg/m ³											Contract	121070
Particle Density	2.65 ASSUMED											Sheet	L5/27
Sample Type	REMOULDED												Form 45/1
Laboratory - One Dimensional Consolidation Test		Project									Byrkley Park. Football Association.		
 Exploration Associates													

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP13
Date : 09/08/01	Depth : 1.40 - 1.50 m
Description : Remould @ 12%	Sub Sample : 2

Ring weight	108.83 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	235.25 g	Height	13.700 mm
Sample + Ring weight (after)	238.76 g	Diameter	74.66 mm
Dry weight + Ring weight	220.78 g	Area	4377.9 mm ²
Dry weight	111.95 g	Volume	59977.2 mm ³
Mass of Water (before)	14.47 g	Initial Moisture content	12.93 %
Mass of Water (after)	17.98 g	Final Moisture content	16.06 %
Initial Bulk density	2.11 Mg/m ³	Saturation	81.60 %
Initial Dry density	1.87 Mg/m ³	Ht of solids	9.650 mm

Load	Height	Actual	Ht Of	Voids	Mv	t50	t90	Mean	Cv (i)	Cv (ii)
kN/M ²	Change	Height	Voids	Ratio	m ² /MN	(i)	(ii)	Height	m ² /yr	m ² /yr
0	-	13.700	4.050	.420	.187	-	-	13.668	-	-
25	.064	13.636	3.986	.413	.076	19.00	24.42	13.623	.24*	.78*
50	.026	13.610	3.960	.410	.140	6.33	8.01	13.563	.72*	2.42*
100	.095	13.515	3.865	.401	.130	12.00	12.51	13.471	.37*	1.53*
150	.088	13.427	3.777	.391	.029	9.00	9.66	13.442	.50*	1.97*
75	-.029	13.456	3.806	.394	.125	14.24	20.43	13.498	.32*	.95*
25	-.084	13.540	3.890	.403						

* Denotes Temperature correction applied in calculating Cv value

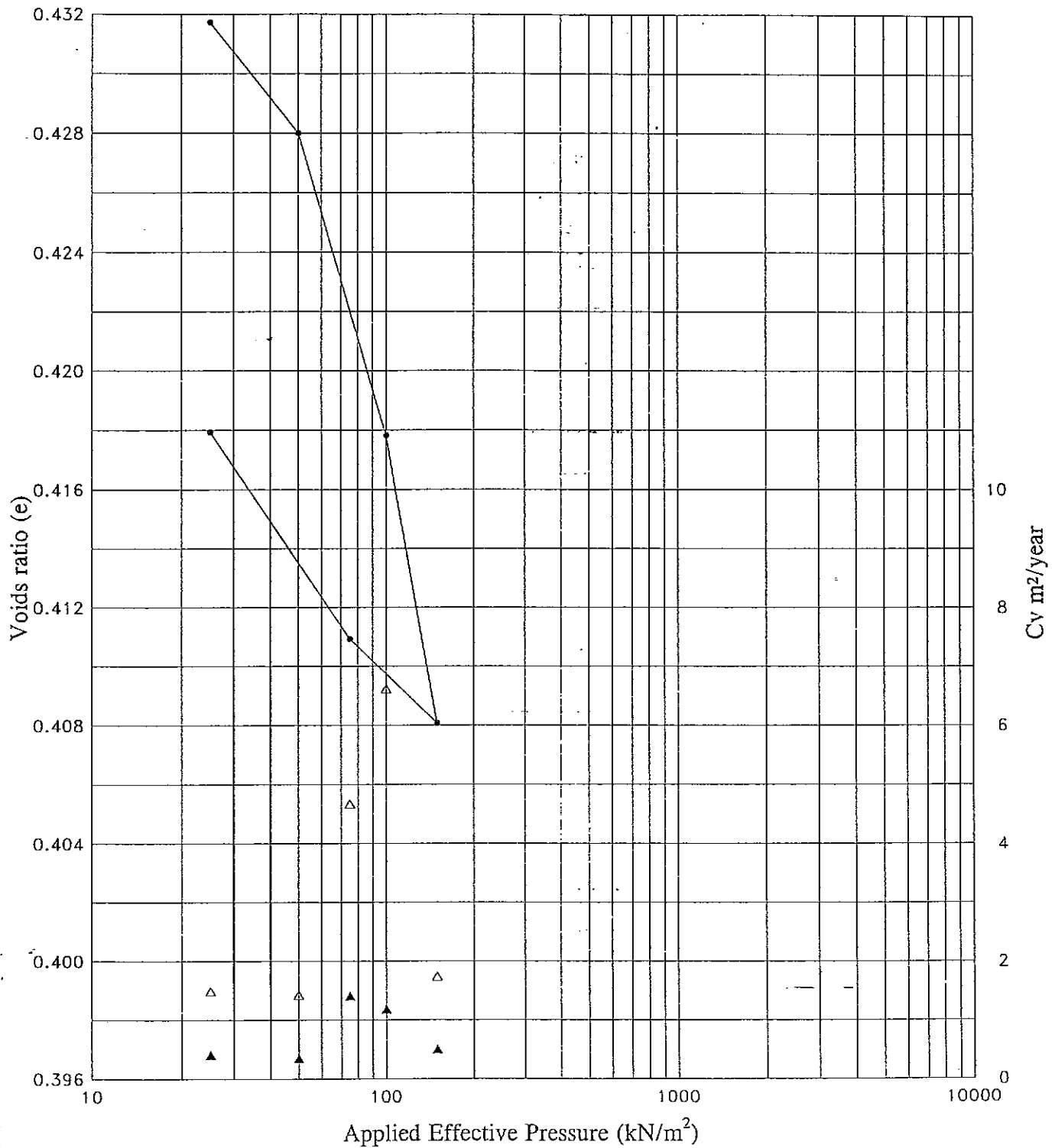
**ONE DIMENSIONAL
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Contract 121070

Figure L5/82

Exploration Associates



Sample Dimensions	74.62 mm dia. 13.760 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.459	m _v	m ² /MN	.747	.104	.143	.138	.027	.099				
Final Voids Ratio	.418	C _v Log t ₅₀	▲ m ² /yr	-	.35	1.18	.50	1.41	.41				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	1.42	6.62	1.74	4.67	1.49				
Initial Water Content	14.94 %	Final Voids Ratio		.432	.428	.418	.408	.411	.418				
Final Water Content	16.77 %	Description	Remoulded @ 14%									Hole	TP13
Initial Saturation	86.26 %											Depth	1.40 - 1.50 m
Initial Bulk Density	2.09 Mg/m ³											Sample Type	B
Initial Dry Density	1.82 Mg/m ³	Project	Byrkley Park. Football Association.									Contract	121070
Particle Density	2.65 ASSUMED											Sheet	L5/23
Sample Type	REMOULDED												Form 45/1
Laboratory - One Dimensional Consolidation Test		Exploration Associates											

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP13
Date : 09/08/01	Depth : 1.40 - 1.50 m
Description : Remould @ 14%	Sub Sample : 3

Ring weight	109.91 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	235.54 g	Height	13.760 mm
Sample + Ring weight (after)	237.54 g	Diameter	74.62 mm
Dry weight + Ring weight	219.21 g	Area	4373.2 mm ²
Dry weight	109.30 g	Volume	60175.4 mm ³
Mass of Water (before)	16.33 g	Saturation	86.26 %
Mass of Water (after)	18.33 g	Ht of solids	9.431 mm
Initial Moisture content	14.94 %		
Final Moisture content	16.77 %		
Initial Bulk density	2.09 Mg/m ³		
Initial Dry density	1.82 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.760	4.329	.459	.747	-	-	13.632	-	-
25	.257	13.503	4.072	.432	.104	12.69	13.21	13.486	.35*	1.42*
50	.035	13.468	4.037	.428	.143	3.77	2.87	13.420	1.18*	6.62*
100	.096	13.372	3.941	.418	.138	8.80	10.77	13.326	.50*	1.74*
150	.092	13.280	3.849	.408	.027	3.10	3.99	13.294	1.41*	4.67*
75	-.027	13.307	3.876	.411	.099	10.96	12.80	13.340	.41*	1.49*
25	-.066	13.373	3.942	.418						

* Denotes Temperature correction applied in calculating Cv value

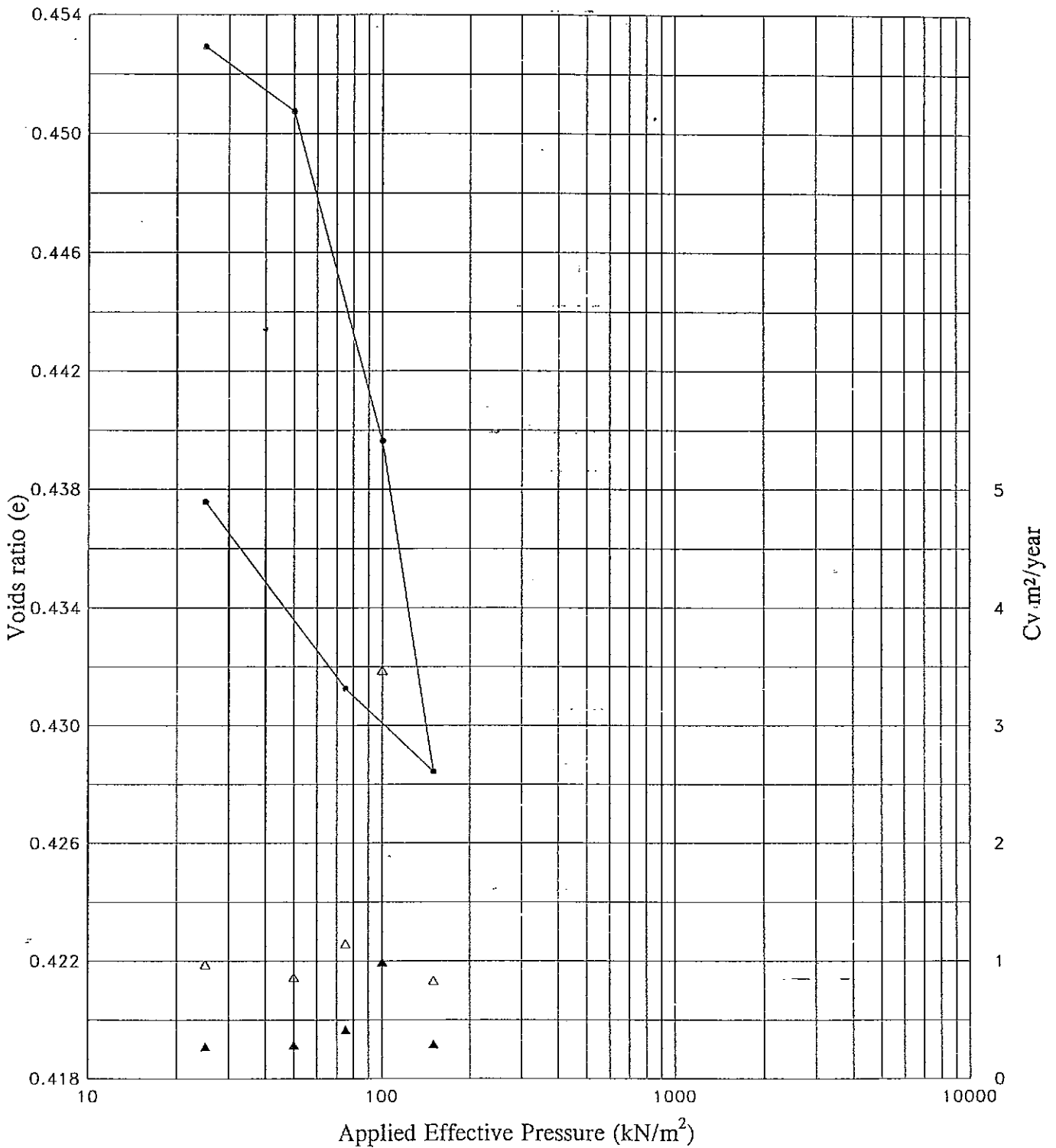
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Contract 121070

Figure L5/70

Exploration Associates



Sample Dimensions	74.62 mm dia. 13.770 mm high	Pressure	kN/m ²	0	25	50	100	150	75					
Initial Voids Ratio	.499	mv	m ² /MN	1.229	.060	.153	.156	.026	.088					
Final Voids Ratio	.438	C _v Log t ₅₀	▲ m ² /yr	-	.29	.99	.29	.42	.27					
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	.86	3.47	.83	1.15	.97					
Initial Water Content	16.82 %	Final Voids Ratio		.453	.451	.440	.428	.431	.438					
Final Water Content	17.64 %	Description	Remould @ 16%										Hole	TP13
Initial Saturation	89.35 %												Depth	1.40 - 1.50 m
Initial Bulk Density	2.07 Mg/m ³												Sample Type	B
Initial Dry Density	1.77 Mg/m ³													
Particle Density	2.65 ASSUMED													
Sample Type	REMOULDED													

Laboratory - One Dimensional Consolidation Test

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Contract 121070

Sheet 15/71

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP13
Date : 09/08/01	Depth : 1.40 - 1.50 m
Description Remould @ 16%	Sub Sample : 4

Ring weight	109.01 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	233.38 g	Height	13.770 mm
Sample + Ring weight (after)	234.25 g	Diameter	74.62 mm
Dry weight + Ring weight	215.47 g	Area	4373.2 mm ²
Dry weight	106.46 g	Volume	60219.1 mm ³
Mass of Water (before)	17.91 g	Saturation	89.35 %
Mass of Water (after)	18.78 g	Ht of solids	9.186 mm
Initial Moisture content	16.82 %		
Final Moisture content	17.64 %		
Initial Bulk density	2.07 Mg/m ³		
Initial Dry density	1.77 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.770	4.584	.499	1.229	-	-	13.559	-	-
25	.423	13.347	4.161	.453	.060	15.00	21.30	13.337	.29*	.86*
50	.020	13.327	4.141	.451	.153	4.40	5.36	13.276	.99*	3.47*
100	.102	13.225	4.039	.440	.156	14.72	21.94	13.174	.29*	.83*
150	.103	13.122	3.936	.428	.026	10.26	15.87	13.135	.42*	1.15*
75	-.026	13.148	3.962	.431	.088	16.04	19.12	13.177	.27*	.97*
25	-.058	13.206	4.020	.438						

* Denotes Temperature correction applied in calculating Cv value

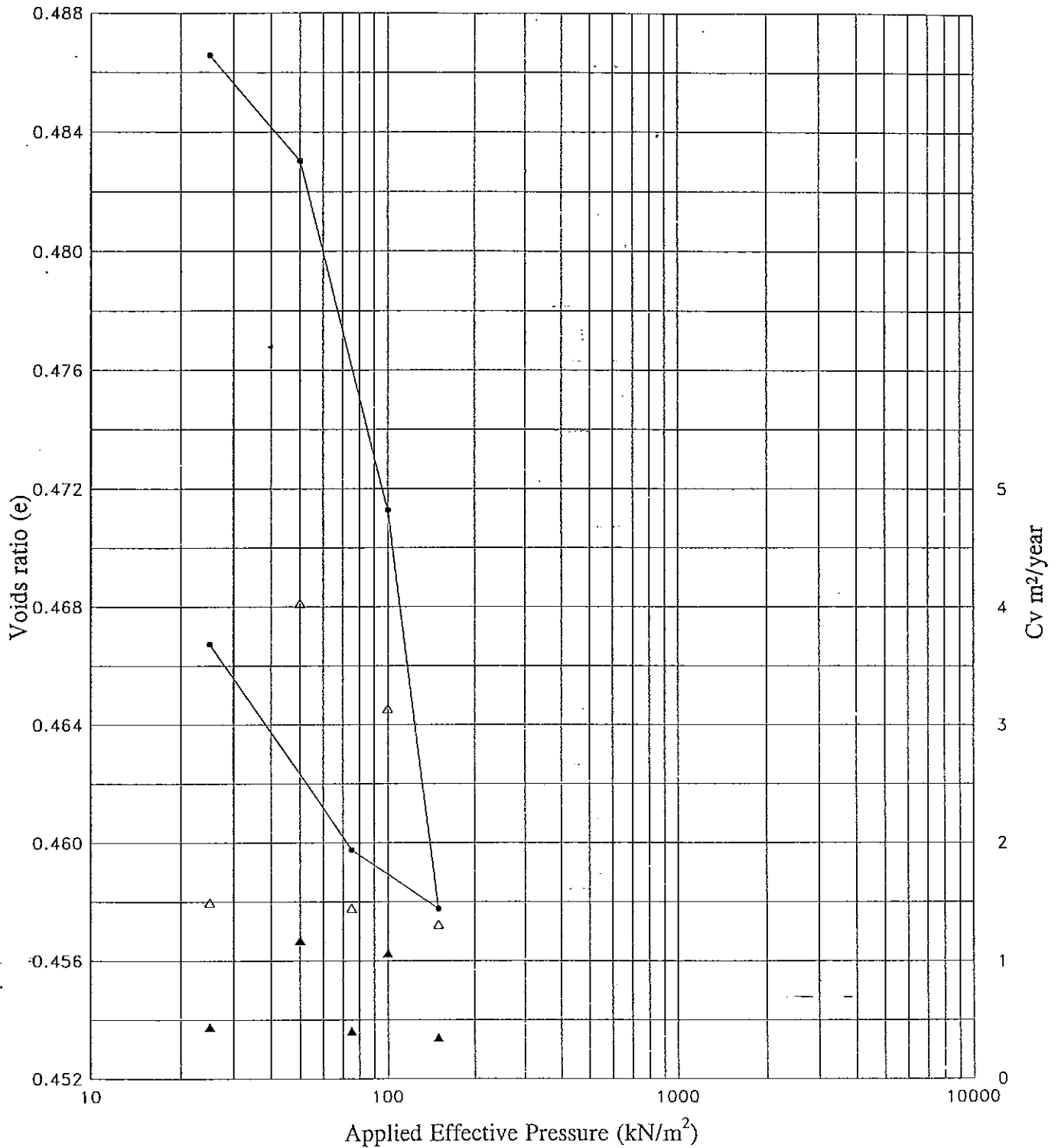
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Contract 121070

Figure L5/92

Exploration Associates



Sample Dimensions	74.59 mm dia. 13.750 mm high	Pressure	kN/m ²	0	25	50	100	150	75					
Initial Voids Ratio	.523	m _v	m ² /MN	.966	.095	.158	.184	.018	.096					
Final Voids Ratio	.467	C _v Log t ₅₀	▲ m ² /yr	-	1.17	1.07	.35	.40	.44					
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	4.03	3.13	1.31	1.45	1.49					
Initial Water Content	17.85 %	Final Voids Ratio		.487	.483	.471	.458	.460	.467					
Final Water Content	18.27 %	Description	Remould @ 18%										Hole	TP13
Initial Saturation	90.40 %												Depth	1.40 - 1.50 m
Initial Bulk Density	2.05 Mg/m ³												Sample Type	B
Initial Dry Density	1.74 Mg/m ³	Project	Byrkley Park. Football Association.										Contract	121070
Particle Density	2.65 ASSUMED												Sheet	L5/33
Sample Type	REMOULDED													Form 45/1
Laboratory -	One Dimensional Consolidation Test													
 Exploration Associates														

Consolidation Test

Contract Title	: Byrkley Park.	Bore Hole	: TP13
Date	: 09/08/01	Depth	: 1.40 - 1.50 m
Description	Remould @ 18%	Sub Sample	: 5

Ring weight	109.74 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	232.92 g	Height	13.750 mm
Sample + Ring weight (after)	233.36 g	Diameter	74.59 mm
Dry weight + Ring weight-	214.26 g	Area	4369.7 mm ²
Dry weight	104.52 g	Volume	60083.3 mm ³
Mass of Water (before)	18.66 g	Initial Moisture content	17.85 %
Mass of Water (after)	19.10 g	Final Moisture content	18.27 %
Initial Moisture content	17.85 %	Saturation	90.40 %
Final Moisture content	18.27 %	Ht of solids	9.026 mm
Initial Bulk density	2.05 Mg/m ³	Initial Dry density	1.74 Mg/m ³

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.750	4.724	.523	.966	-	-	13.584	-	-
25	.332	13.418	4.392	.487	.095	3.70	4.60	13.402	1.17*	4.03*
50	.032	13.386	4.360	.483	.158	4.12	5.98	13.333	1.07*	3.13*
100	.106	13.280	4.254	.471	.184	12.34	14.08	13.219	.35*	1.31*
150	.122	13.158	4.132	.458	.018	10.58	12.65	13.167	.40*	1.45*
75	-.018	13.176	4.150	.460	.096	9.96	12.48	13.208	.44*	1.49*
25	-.063	13.239	4.213	.467						

* Denotes Temperature correction applied in calculating Cv value

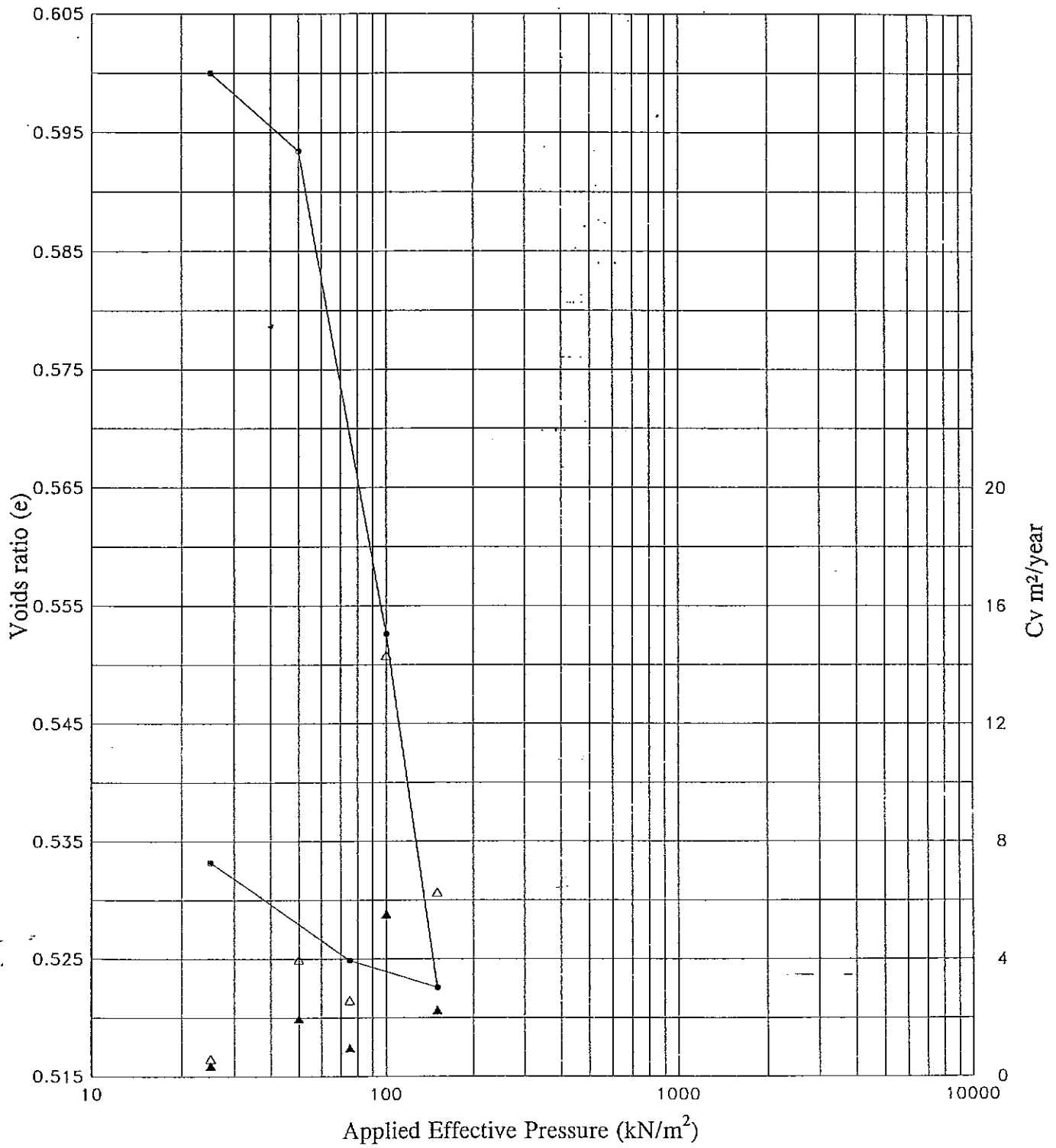
**ONE DIMENSIONAL
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Contract 121070

Figure L5/14

Exploration Associates



Sample Dimensions	74.95 mm dia. 13.710 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
		m _v	m ² /MN	-.394	.165	.512	.387	.020	.109				
Initial Voids Ratio	.584	C _v Log t ₅₀	▲	m ² /yr	-	1.97	5.52	2.25	.97	.36			
Final Voids Ratio	.533	C _v Root t ₉₀	△	m ² /yr	-	3.98	14.32	6.26	2.59	.60			
Swelling Pressure	- kN/m ²	Final Voids Ratio			.600	.593	.553	.523	.525	.533			
Initial Water Content	12.04 %	Description	Remould @ 10%							Hole	IP14		
Final Water Content	20.34 %									Depth	.90 - 1.00 m		
Initial Saturation	54.59 %									Sample Type	B		
Initial Bulk Density	1.87 Mg/m ³	Laboratory -	One Dimensional Consolidation Test							Project	Byrkley Park. Football Association.		
Initial Dry Density	1.67 Mg/m ³									Contract	121070		
Particle Density	2.65 ASSUMED									Sheet	LS/RS		
Sample Type	REMOULDED										Form 45/1		
Exploration Associates													

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP14
Date : 07/08/01	Depth : .90 - 1.00 m
Description : Remould @ 10%	Sub Sample : 1

Ring weight	104.63 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	217.98 g	Height	13.710 mm
Sample + Ring weight (after)	226.38 g	Diameter	74.95 mm
Dry weight + Ring weight	205.80 g	Area	4412.0 mm ²
Dry weight	101.17 g	Volume	60488.2 mm ³
Mass of Water (before)	12.18 g	Saturation	54.59 %
Mass of Water (after)	20.58 g	Ht of solids	8.653 mm
Initial Moisture content	12.04 %		
Final Moisture content	20.34 %		
Initial Bulk density	1.87 Mg/m ³		
Initial Dry density	1.67 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.710	5.057	.584				13.778	-	-
25	-.135	13.845	5.192	.600	-.394			13.817	1.97*	3.98*
50	.057	13.788	5.135	.593	.165	2.42	5.12	13.817	1.97*	3.98*
100	.353	13.435	4.782	.553	.512	.82	1.35	13.612	5.52*	14.32*
150	.260	13.175	4.522	.523	.387	1.94	2.98	13.305	2.25*	6.26*
75	-.020	13.195	4.542	.525	.020	4.36	6.99	13.185	.97*	2.59*
25	-.072	13.267	4.614	.533	.109	11.76	30.05	13.231	.36*	.60*

* Denotes Temperature correction applied in calculating Cv value

**ONE DIMENSIONAL
OEDOMETER TEST**

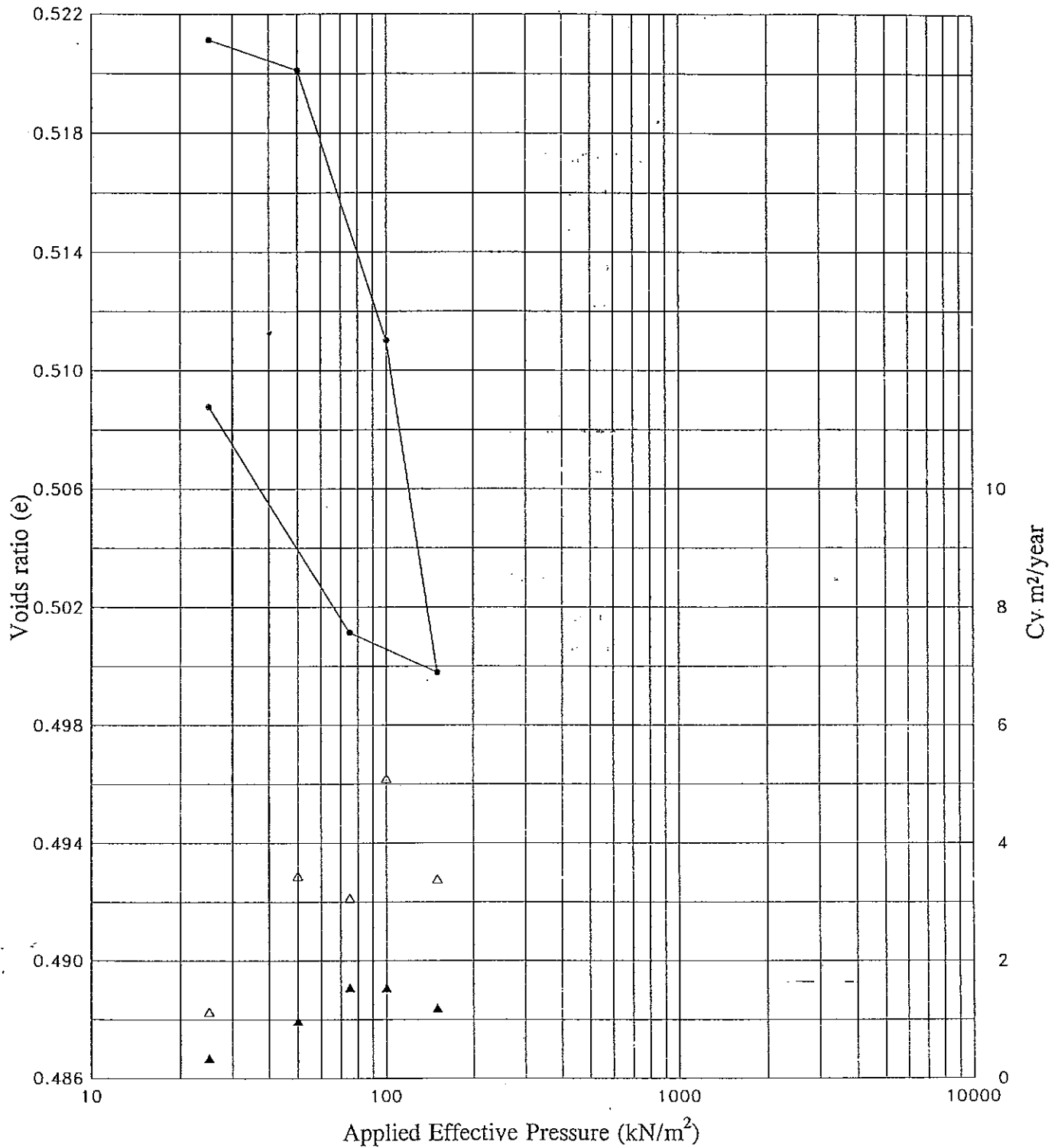
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Contract 121070

Figure L5/76



Exploration Associates



Sample Dimensions 75.01 mm dia. 13.500 mm high Initial Voids Ratio .516 Final Voids Ratio .509 Swelling Pressure - kN/m ² Initial Water Content 15.15 % Final Water Content 19.64 % Initial Saturation 77.84 % Initial Bulk Density 2.01 Mg/m ³ Initial Dry Density 1.75 Mg/m ³ Particle Density 2.65 ASSUMED Sample Type REMOULDED	Pressure kN/m ²	0	25	50	100	150	75					
	m_v m ² /MN	-	.142	.027	.120	.149	.012	.102				
	C_v Log t₅₀ ▲ m ² /yr	-		.98	1.54	1.19	1.54	.34				
	C_v Root t₉₀ △ m ² /yr	-		3.44	5.10	3.39	3.06	1.13				
	Final Voids Ratio	-	.521	.520	.511	.500	.501	.509				
	Description Remould @ 13%								Hole TP14 Depth .90 - 1.00 m Sample Type B			
Laboratory - One Dimensional Consolidation Test	Project Byrkley Park. Football Association.							Contract 121070 Sheet LS/07				
								Form 45/1				

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP14
Date : 07/08/01	Depth : .90 - 1.00 m
Description : Remould @ 13%	Sub Sample : 2

Ring weight	101.10 g		
Sample + Ring weight (before)	221.20 g	- Specific Gravity	2.65 Assumed
Sample + Ring weight (after)	225.88 g	Height	13.500 mm
Dry weight + Ring weight	205.40 g	Diameter	75.01 mm
Dry weight	104.30 g		
Mass of Water (before)	15.80 g	Area	4419.0 mm ²
Mass of Water (after)	20.48 g	Volume	59657.1 mm ³
Initial Moisture content	15.15 %		
Final Moisture content	19.64 %	Saturation	77.84 %
Initial Bulk density	2.01 Mg/m ³	Ht of solids	8.907 mm
Initial Dry density	1.75 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.500	4.593	.516				13.524		
25	-.048	13.548	4.641	.521	-.142			13.544		
50	.009	13.539	4.632	.520	.027	4.70	5.69	13.499	.98*	3.44*
100	.081	13.458	4.551	.511	.120	2.89	3.73	13.408	1.54*	5.10*
150	.100	13.358	4.451	.500	.149	3.72	5.59	13.408	1.19*	3.39*
75	-.012	13.370	4.463	.501	.012	2.83	6.08	13.364	1.54*	3.06*
25	-.068	13.438	4.531	.509	.102	12.81	16.40	13.404	.34*	1.13*

* Denotes Temperature correction applied in calculating Cv value

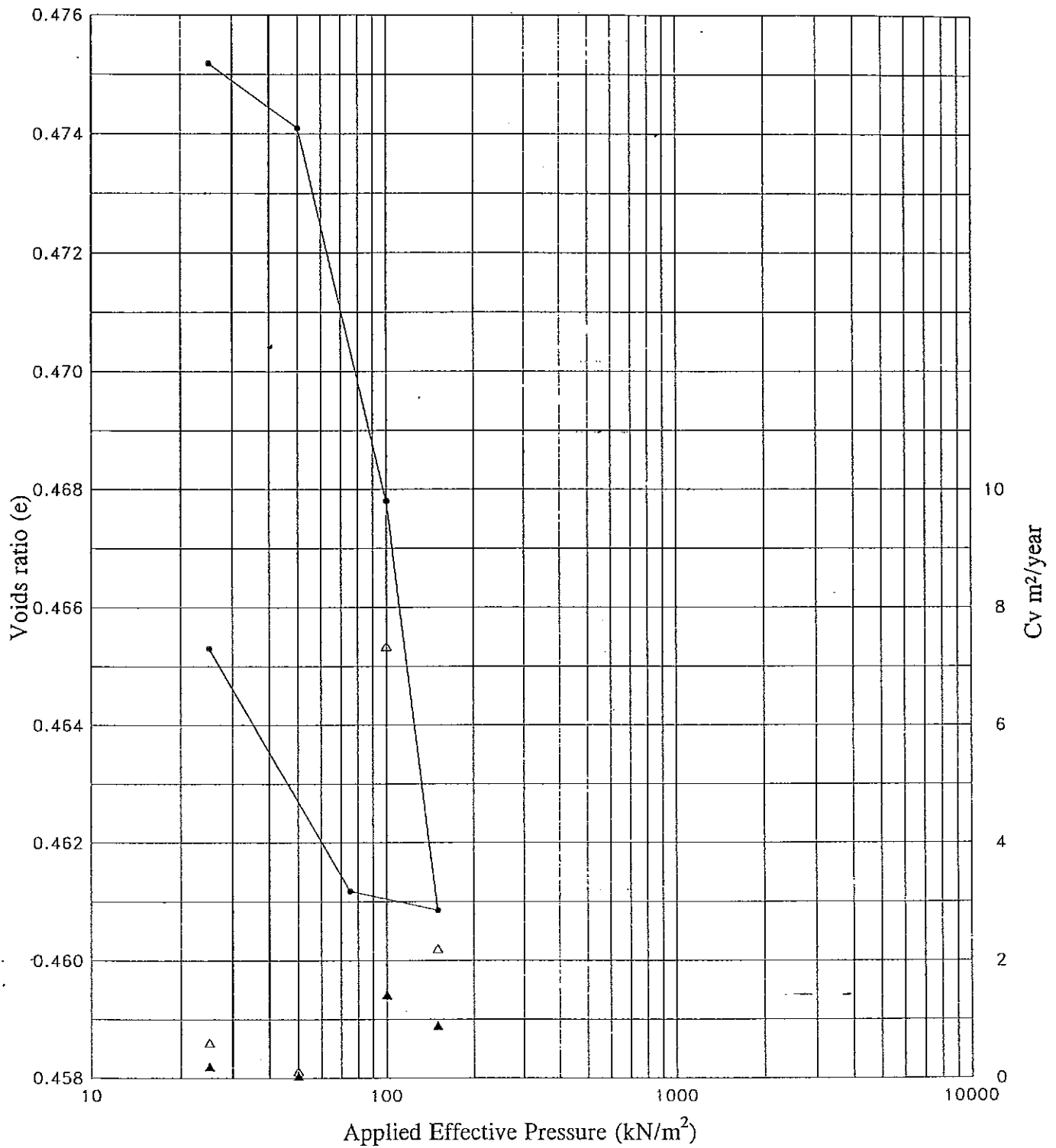
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Figure 15/78

Exploration Associates



Sample Dimensions	74.64 mm dia. 13.810 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.499	m _v	m ² /MN	.637	.029	.085	.095	.003	.056				
Final Voids Ratio	.465	C _v Log t ₅₀	▲ m ² /yr	-	.04	1.42	.89	-	.19				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	.11	7.34	2.20	-	.60				
Initial Water Content	17.53 %	Final Voids Ratio		.475	.474	.468	.461	.461	.465				
Final Water Content	19.04 %	Description	Remoulded @ 15%										
Initial Saturation	93.11 %	Hole	TP14										
Initial Bulk Density	2.08 Mg/m ³	Depth	.90 - 1.00 m										
Initial Dry Density	1.77 Mg/m ³	Sample Type	B										
Particle Density	2.65 ASSUMED	Contract	121070										
Sample Type	REMOULDED	Project	Byrkley Park. Football Association.										
Laboratory - One Dimensional Consolidation Test		Sheet	L5/99										
 Exploration Associates		Form 45/1											

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP14
Date : 07/08/01	Depth : .90 - 1.00 m
Description : Remould @ 15%	Sub Sample : 3

Ring weight	109.63 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	235.18 g	Height	13.810 mm
Sample + Ring weight (after)	236.79 g	Diameter	74.64 mm
Dry weight + Ring weight	216.45 g	Area	4375.6 mm ²
Dry weight	106.82 g	Volume	60426.4 mm ³
Mass of Water (before)	18.73 g	Saturation	93.11 %
Mass of Water (after)	20.34 g	Ht of solids	9.212 mm
Initial Moisture content	17.53 %		
Final Moisture content	19.04 %		
Initial Bulk density	2.08 Mg/m ³		
Initial Dry density	1.77 Mg/m ³		

Load	Height	Actual	Ht Of	Voids	Mv	t50	t90	Mean	Cv (i)	Cv (ii)
kN/M ²	Change	Height	Voids	Ratio	m ² /MN	(i)	(ii)	Height	m ² /yr	m ² /yr
0	-	13.810	4.598	.499	.637	-	-	13.700	-	-
25	.220	13.590	4.378	.475	.029	126.64	173.47	13.585	.04*	.11*
50	.010	13.580	4.368	.474	.085	3.17	2.61	13.551	1.42*	7.34*
100	.058	13.522	4.310	.468	.095	5.03	8.72	13.490	.89*	2.20*
150	.064	13.458	4.246	.461	.003	-	-	13.460	-	-
75	-.003	13.461	4.249	.461	.056	22.64	31.13	13.480	.19*	.60*
25	-.038	13.499	4.287	.465						

* Denotes Temperature correction applied in calculating Cv value

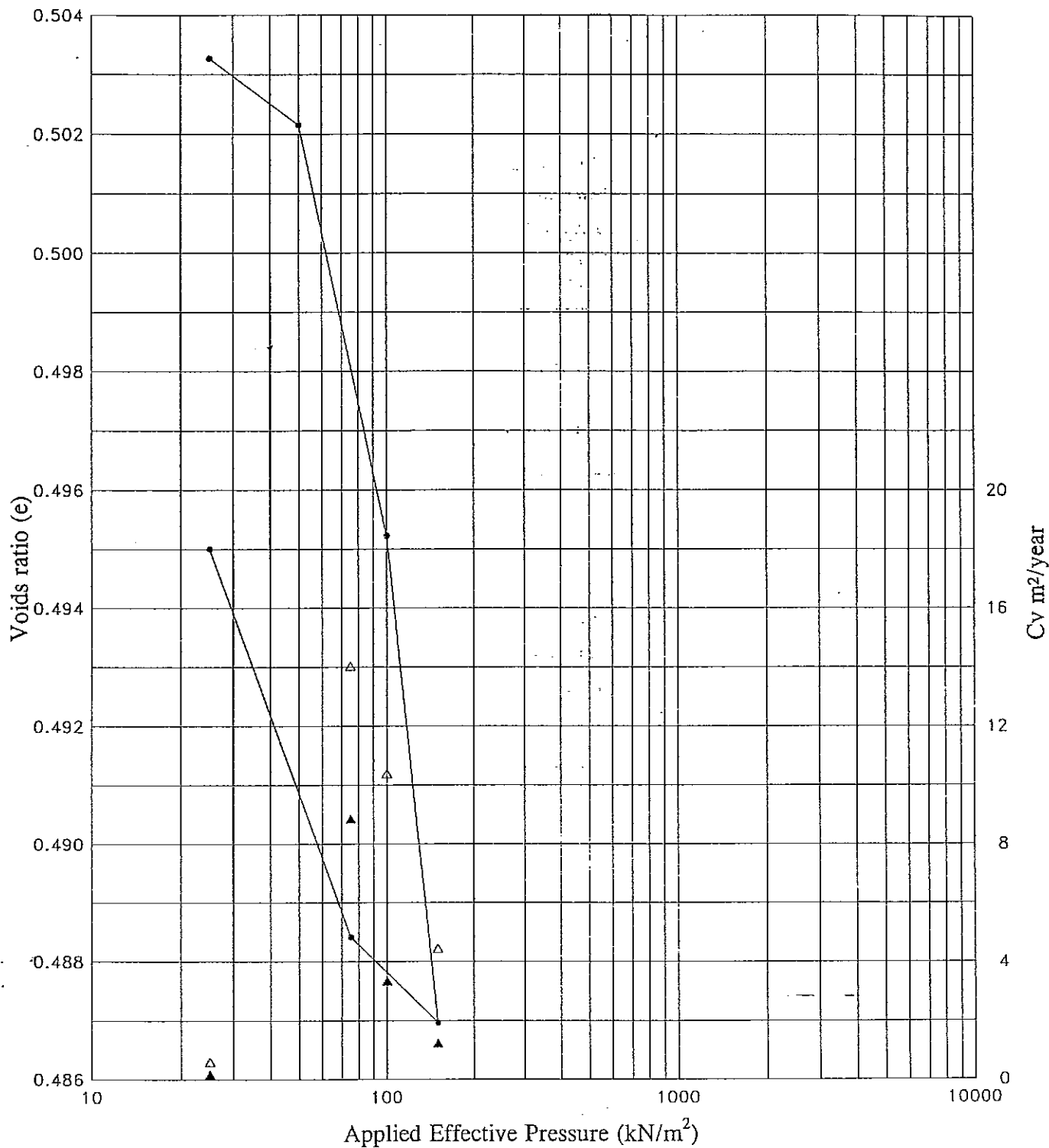
ONE DIMENSIONAL
OEDOMETER TEST

Project
Byrkley Park.
Football Association.

Contract 121070

Figure L5/100

Exploration Associates



Sample Dimensions	74.57 mm dia. 13.710 mm high	Pressure	kN/m ²	0	25	50	100	150	75				
Initial Voids Ratio	.531	m _v	m ² /MN	.721	.030	.092	.111	.013	.089				
Final Voids Ratio	.495	C _v Log t ₅₀	▲ m ² /yr	-	-	3.34	1.24	8.85	.16				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	-	10.39	4.45	14.03	.60				
Initial Water Content	18.81 %	Final Voids Ratio		.503	.502	.495	.487	.488	.495				
Final Water Content	19.65 %	Description	Remould @ 17%										
Initial Saturation	93.92 %	Hole	TP14										
Initial Bulk Density	2.06 Mg/m ³	Depth	.90 - 1.00 m										
Initial Dry Density	1.73 Mg/m ³	Sample Type	B										
Particle Density	2.65 ASSUMED	Project	Byrkley Park. Football Association.										
Sample Type	REMOULDED	Contract	121070										
Laboratory - One Dimensional Consolidation Test		Sheet	LS/101										
Exploration Associates		Form 45/1											

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP14
Date : 07/08/01	Depth : .90 - 1.00 m
Description Remould @ 17%	Sub Sample : 4

Ring weight	108.08 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	231.23 g	Height	13.710 mm
Sample + Ring weight (after)	232.10 g	Diameter	74.57 mm
Dry weight + Ring weight	211.73 g	Area	4367.4 mm ²
Dry weight	103.65 g	Volume	59876.4 mm ³
Mass of Water (before)	19.50 g	Initial Moisture content	18.81 %
Mass of Water (after)	20.37 g	Final Moisture content	19.65 %
Initial Moisture content	18.81 %	Saturation	93.92 %
Final Moisture content	19.65 %	Ht of solids	8.956 mm
Initial Bulk density	2.06 Mg/m ³	Initial Dry density	1.73 Mg/m ³

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.710	4.754	.531	.721	-	-	13.587	-	-
25	.247	13.463	4.507	.503	.030	-	-	13.458	-	-
50	.010	13.453	4.497	.502	.092	1.32	1.81	13.422	3.34*	10.39*
100	.062	13.391	4.435	.495	.111	3.56	4.23	13.354	1.24*	4.45*
150	.074	13.317	4.361	.487	.013	.49	1.32	13.324	8.85*	14.03*
75	-.013	13.330	4.374	.488	.089	26.58	30.78	13.360	.16*	.60*
25	-.059	13.389	4.433	.495						

* Denotes Temperature correction applied in calculating Cv value

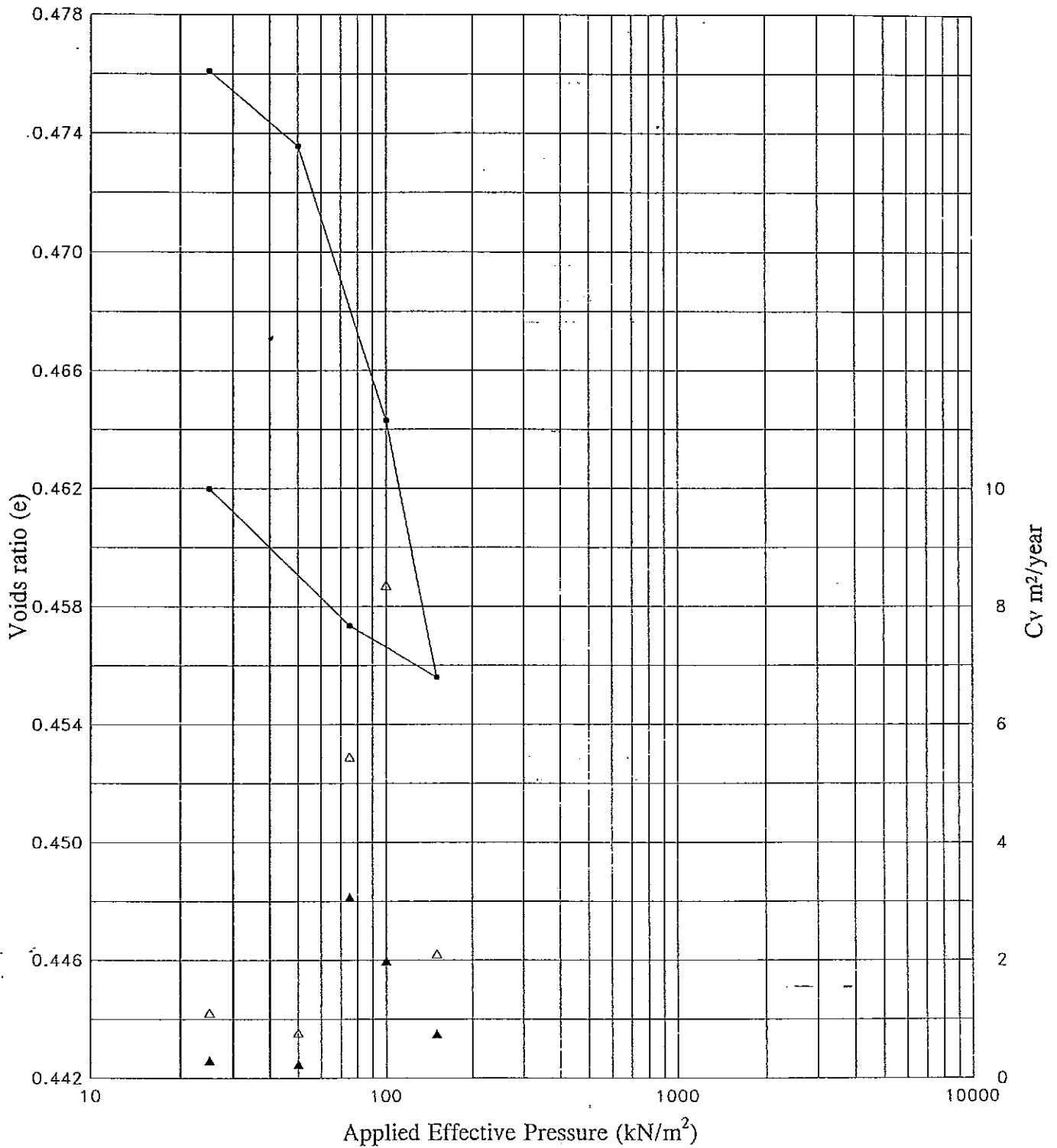
**ONE DIMENSIONAL
OEDOMETER TEST**

Project
Byrkley Park.
Football Association.

Contract 121070

Figure 15/102

Exploration Associates



Sample Dimensions	74.60 mm dia. 13.710 mm high	Pressure	kN/m ²	0	.25	50	100	150	75				
Initial Voids Ratio	.511	mv	m ² /MN	.934	.069	.126	.119	.016	.064				
Final Voids Ratio	.462	C _v Log t ₅₀	▲ m ² /yr	-	.24	1.98	.75	3.07	.30				
Swelling Pressure	- kN/m ²	C _v Root t ₉₀	△ m ² /yr	-	.77	8.36	2.10	5.45	1.11				
Initial Water Content	18.82 %	Final Voids Ratio		.476	.474	.464	.456	.457	.462				
Final Water Content	19.65 %	Description	Remould @ 20%										
Initial Saturation	97.51 %	Hole	TP14										
Initial Bulk Density	2.08 Mg/m ³	Depth	.90 - 1.00 m										
Initial Dry Density	1.75 Mg/m ³	Sample Type	8										
Particle Density	2.65 ASSUMED	Laboratory - One Dimensional Consolidation Test	Project	Byrkley Park. Football Association.									
Sample Type	REMOULDED	Contract	121070										
		Sheet	L5/103										
		Form 45/1											

Consolidation Test

Contract Title : Byrkley Park.	Bore Hole : TP14
Date : 08/08/01	Depth : .90 - 1.00 m
Description : Remould @ 20%	Sub Sample : 5

Ring weight	110.60 g	Specific Gravity	2.65 Assumed
Sample + Ring weight (before)	235.44 g	Height	13.710 mm
Sample + Ring weight (after)	236.32 g	Diameter	74.60 mm
Dry weight + Ring weight	215.67 g	Area	4370.9 mm ²
Dry weight	105.07 g	Volume	59924.6 mm ³
Mass of Water (before)	19.77 g	Saturation	97.51 %
Mass of Water (after)	20.65 g	Ht of solids	9.071 mm
Initial Moisture content	18.82 %		
Final Moisture content	19.65 %		
Initial Bulk density	2.08 Mg/m ³		
Initial Dry density	1.75 Mg/m ³		

Load kN/M ²	Height Change	Actual Height	Ht Of Voids	Voids Ratio	Mv m ² /MN	t50 (i)	t90 (ii)	Mean Height	Cv (i) m ² /yr	Cv (ii) m ² /yr
0	-	13.710	4.639	.511	.934	-	-	13.550	-	-
25	.320	13.390	4.319	.476	.069	18.55	24.51	13.379	.24*	.77*
50	.023	13.367	4.296	.474	.126	2.24	2.27	13.325	1.98*	8.36*
100	.084	13.283	4.212	.464	.119	5.92	9.02	13.244	.75*	2.10*
150	.079	13.204	4.133	.456	.016	1.46	3.51	13.212	3.07*	5.45*
75	-.016	13.220	4.149	.457	.064	14.88	17.14	13.241	.30*	1.11*
25	-.042	13.262	4.191	.462						

* Denotes Temperature correction applied in calculating Cv value

ONE DIMENSIONAL OEDOMETER TEST	Project Byrkley Park. Football Association.	Contract 121070
Exploration Associates		Figure 15/104



TEST REPORT SOIL SAMPLE ANALYSIS



1252

TES Report No. EFS/012301

Site: Byrkley Park

Exploration Associates
Unit 18
Deeside Industrial Estate
Welsh Road
Deeside
CH5 2LR

The 2 samples described in this report were scheduled for analysis by TES Bretby on Friday, 22 June 2001. The analysis was completed by Tuesday, 10 July 2001.

Tests marked as 'not UKAS accredited' and any opinions or interpretations expressed herein are outside the scope of any UKAS accreditation held by TES Bretby laboratories.

The following tables are contained in this report:

Table 1 Main Analysis Results
Table of Report Notes (1 Page)

On behalf of
TES Bretby : J. Hannah
J Hannah Project Co-ordinator

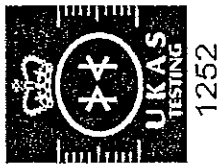
Date of Issue: 10/07/01

Tests marked 'not UKAS accredited' in this report are not included in the UKAS Accreditation Schedule for our laboratory.

TES Bretby accepts no responsibility for the sampling related to the above results

TES Bretby, P.O. Box 100, Burton-on-Trent, DE15 0XD Telephone: 01283 554400 Fax: 01283 554422
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TES Bretby
Report 012301
Control Page
Sheet 1/1



SOIL SAMPLE ANALYSIS

Report Notes

Results expressed as mg/kg air dried unless stated otherwise
SO4 analysis not conducted in accordance with BS1377
Water Soluble Sulphate on 2:1 water:soil extract
AR denotes analysis conducted on the As Received sample
Req Analysis Requested, see attached sheet for results
^ This analysis was subcontracted to another laboratory
I.S Insufficient sample for analysis
NBFO denotes No Bulk Fibres Observed
\$\$ Unable to analyse due to nature of sample
co-eluted with benzo(b)fluoranthene
co-eluted with Indeno(123-cd)pyrene
Intf Unable to analyse due to interferences
BTEX analysis expressed as µg/kg As Received



TEST REPORT WATER SAMPLE ANALYSIS



1252

TES Report No. EXR/012808

Site: Byrkerly Park

Exploration Associates
Unit 18
Deeside Industrial Estate
Deeside
Flintshire
CH5 2LR

The 2 Samples described in this report were scheduled for analysis by TES Bretby on Thursday, 21 June 2001. The analysis was completed by Tuesday, 31 July 2001.

Tests marked as 'not UKAS accredited' and any opinions or interpretations expressed herein are outside the scope of any UKAS accreditation held by TES Bretby laboratories.

The following tables are contained in this report:

Table 1 Main Analysis Results
Table of Volatile Fatty Acids (1 Page)

Date of Issue: 31/07/01

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TES Bretby accepts no responsibility for the sampling related to the above results.

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