

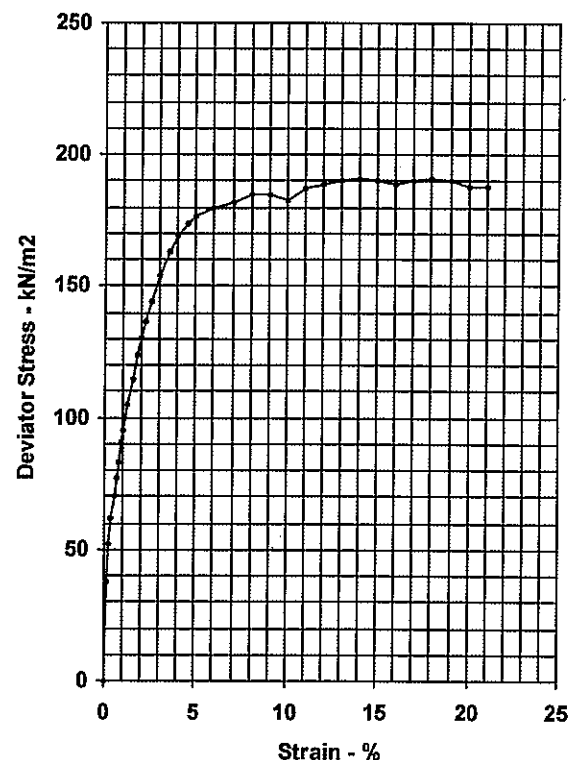
Client: Consolidated Developments Limited
Site: Denmark Place

Job No: 36237
Test date: 30/04/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	7.90		
Description	Very dark greyish brown thinly laminated very closely fissured clay with occ lenses of fine san		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3654/5
Length - mm	200.0	Membrane thickness - mm	0.34
Diameter - mm	97.0	Load ring reference	G1638
		Ring constant - N/division	3.53
		Strain rate - %/min	1.5
		Cell pressure - kN/m2	160

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	38
0.3	52
0.4	62
0.5	70
0.6	77
0.8	83
0.9	91
1.0	95
1.3	105
1.5	115
1.8	124
2.0	131
2.3	137
2.5	144
3.0	154
3.5	163
4.0	169
4.5	174
5.0	177
6.0	180
7.0	182
8.0	185
9.0	185
10.0	183
11.0	187
12.0	189
13.0	190
14.0	191
15.0	190
16.0	189
17.0	190
18.0	191
19.0	190
20.0	188
21.0	188



SUMMARY OF RESULTS

Natural moisture content - %	25
Bulk density - Mg/m3	2.05
Dry density - Mg/m3	1.64
Cell pressure - kN/m2	160
Max deviator stress - kN/m2	191
Strain at failure - %	14.0
Max Principal stress - kN/m2	351
Shear strength - kN/m2	96
Mode of failure	Shear

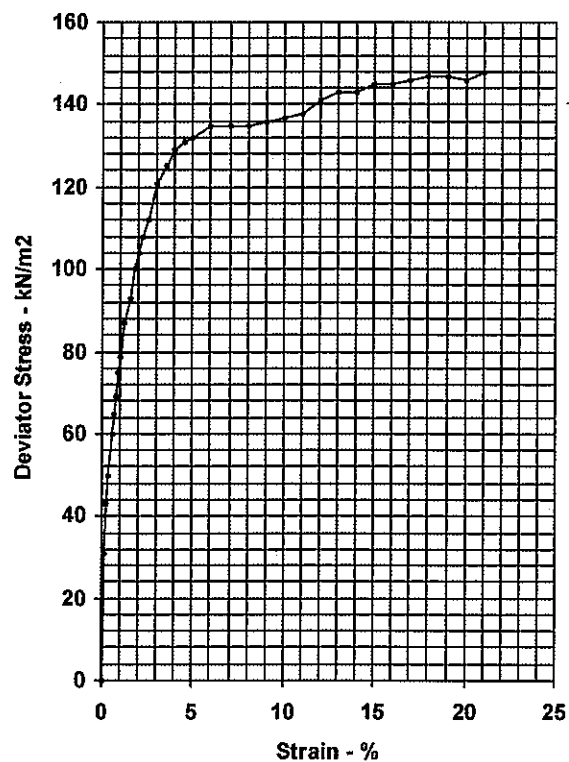
Client: Consolidated Developments Limited
Site: Denmark Place

Job No: 36237
Test date: 30/04/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	9.57		
Description	Very dark greyish brown thinly laminated very closely fissured clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3656/1
Length - mm	200.0	Membrane thickness - mm	0.35
Diameter - mm	100.0	Load ring reference	G1638
		Ring constant - N/division	3.53
		Strain rate - %/min	1.5
		Cell pressure - kN/m2	190

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	31
0.3	43
0.4	50
0.5	60
0.6	65
0.8	69
0.9	75
1.0	79
1.3	87
1.5	93
1.8	100
2.0	104
2.3	108
2.5	112
3.0	121
3.5	125
4.0	129
4.5	131
5.0	132
6.0	135
7.0	135
8.0	135
9.0	136
10.0	137
11.0	138
12.0	141
13.0	143
14.0	143
15.0	145
16.0	145
17.0	146
18.0	147
19.0	147
20.0	146
21.0	148



SUMMARY OF RESULTS

Natural moisture content - %	29
Bulk density - Mg/m3	2.03
Dry density - Mg/m3	1.57
Cell pressure - kN/m2	190
Max deviator stress - kN/m2	148
Strain at failure - %	21.0
Max Principal stress - kN/m2	338
Shear strength - kN/m2	74
Mode of failure	Shear

Client: Consolidated Developments Limited
Site: Denmark Place

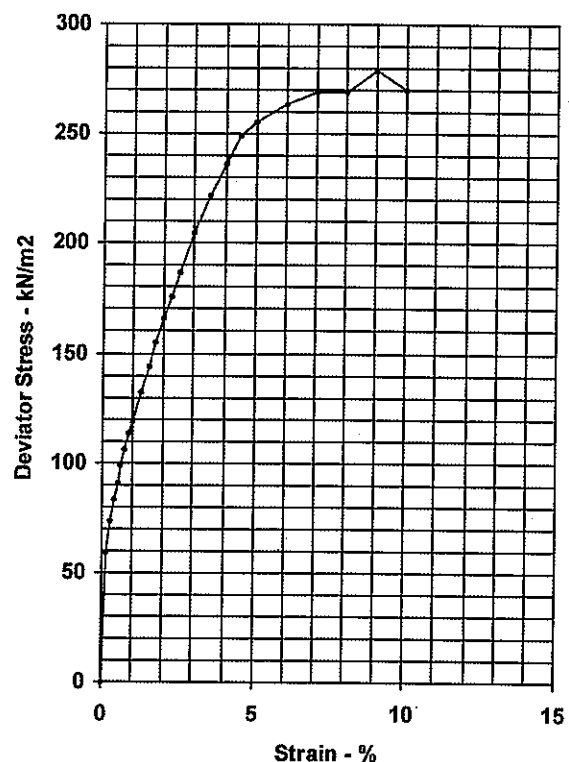
Job No: 36237
Test date: 30/04/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101
Depth - m	10.27
Description	Very dark greyish brown thinly laminated very closely fissured clay with occ lenses of fine san
Orientation of specimen	Vertical
Sample type	Undisturbed

Batch Number	7706	Membrane batch reference	G3656/3
Length - mm	200.0	Membrane thickness - mm	0.35
Diameter - mm	100.0	Load ring reference	G1638
		Ring constant - N/division	3.53
		Strain rate - %/min	1.5
		Cell pressure - kN/m2	205

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	59
0.3	73
0.4	83
0.5	91
0.6	99
0.8	106
0.9	113
1.0	119
1.3	132
1.5	144
1.8	155
2.0	166
2.3	176
2.5	187
3.0	205
3.5	222
4.0	237
4.5	249
5.0	256
6.0	264
7.0	269
8.0	269
9.0	279
10.0	270



SUMMARY OF RESULTS

Natural moisture content - %	26
Bulk density - Mg/m3	2.06
Dry density - Mg/m3	1.63
Cell pressure - kN/m2	205
Max deviator stress - kN/m2	279
Strain at failure - %	9.0
Max Principal stress - kN/m2	484
Shear strength - kN/m2	140
Mode of failure	Shear

Client: Consolidated Developments Limited
Site: Denmark Place

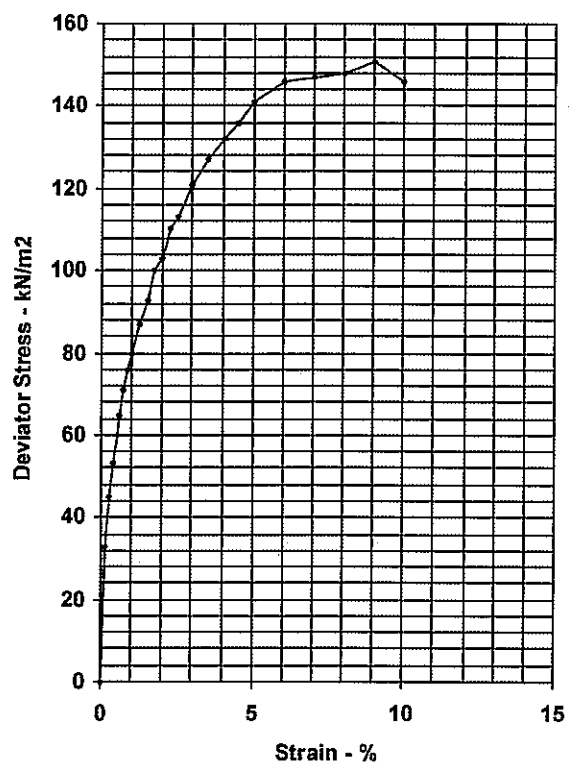
Job No: 36237
Test date: 30/04/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101
Depth - m	11.20
Description	Very dark greyish brown thinly laminated very closely fissured clay with occ lenses of fine san
Orientation of specimen	Vertical
Sample type	Undisturbed

Batch Number	7706	Membrane batch reference	G3656/7
Length - mm	200.0	Membrane thickness - mm	0.35
Diameter - mm	101.0	Load ring reference	G1638
		Ring constant - N/division	3.53
		Strain rate - %/min	1.0
		Cell pressure - kN/m2	225

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	33
0.3	45
0.4	53
0.5	60
0.6	65
0.8	71
0.9	76
1.0	80
1.3	87
1.5	93
1.8	100
2.0	103
2.3	110
2.5	113
3.0	121
3.5	127
4.0	132
4.5	136
5.0	141
6.0	146
7.0	147
8.0	148
9.0	151
10.0	146



SUMMARY OF RESULTS

Natural moisture content - %	28
Bulk density - Mg/m3	1.98
Dry density - Mg/m3	1.55
Cell pressure - kN/m2	225
Max deviator stress - kN/m2	151
Strain at failure - %	9.0
Max Principal stress - kN/m2	376
Shear strength - kN/m2	76
Mode of failure	Shear

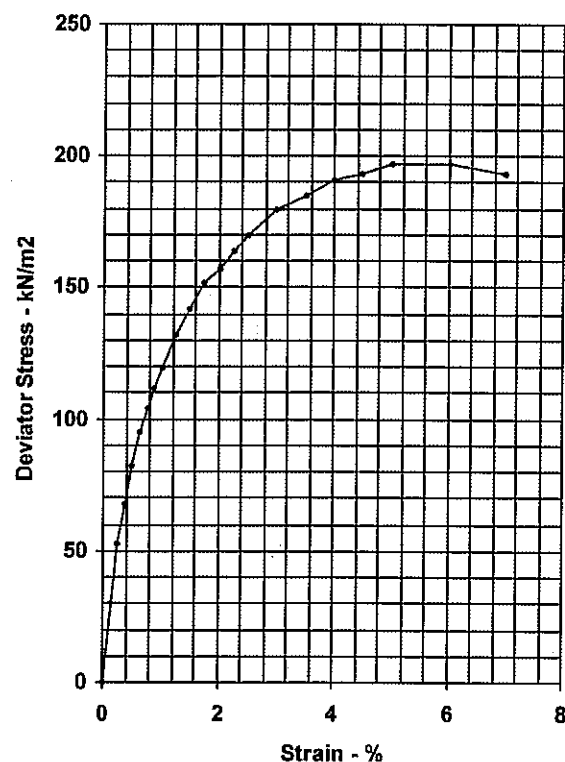
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Job No: 36237
Test date: 30/04/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	11.80		
Description	Very dark greyish brown thinly laminated very closely fissured clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3652/8
Length - mm	200.0	Membrane thickness - mm	0.36
Diameter - mm	98.5	Load ring reference	G1638
		Ring constant - N/division	3.53
		Strain rate - %/min	1.0
		Cell pressure - kN/m2	235

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	30
0.3	53
0.4	68
0.5	82
0.6	95
0.8	104
0.9	112
1.0	119
1.3	132
1.5	142
1.8	152
2.0	157
2.3	164
2.5	170
3.0	180
3.5	185
4.0	191
4.5	193
5.0	197
6.0	197
7.0	193



SUMMARY OF RESULTS

Natural moisture content - %	28
Bulk density - Mg/m3	2.02
Dry density - Mg/m3	1.58
Cell pressure - kN/m2	235
Max deviator stress - kN/m2	197
Strain at failure - %	5.0
Max Principal stress - kN/m2	432
Shear strength - kN/m2	99
Mode of failure	Shear

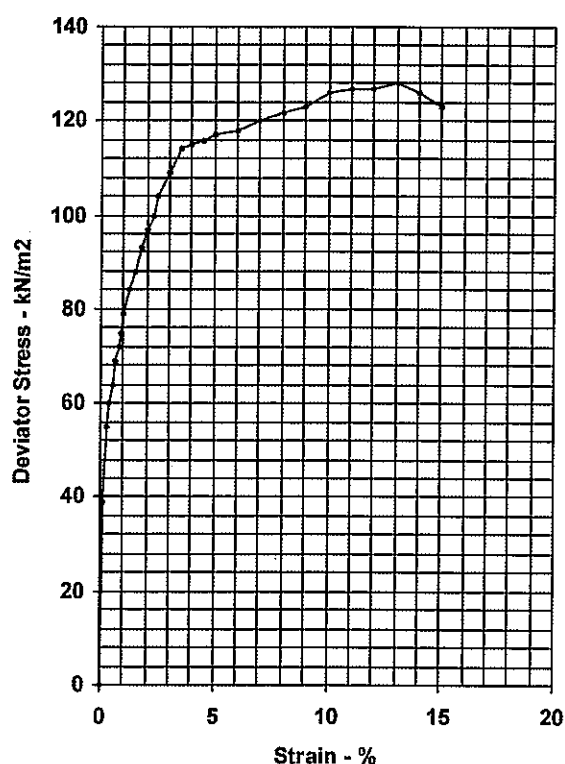
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Job No: 36237
Test date: 30/04/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	13.00		
Description	Dark greyish brown thinly laminated very closely fissured clay with occ iron pyrite		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3655/9
Length - mm	200.0	Membrane thickness - mm	0.35
Diameter - mm	97.2	Load ring reference	G1635
		Ring constant - N/division	5.72
		Strain rate - %/min	1.5
		Cell pressure - kN/m2	260

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	39
0.3	55
0.4	60
0.5	64
0.6	69
0.8	72
0.9	75
1.0	79
1.3	84
1.5	88
1.8	93
2.0	97
2.3	100
2.5	104
3.0	109
3.5	114
4.0	115
4.5	116
5.0	117
6.0	118
7.0	120
8.0	122
9.0	123
10.0	126
11.0	127
12.0	127
13.0	128
14.0	126
15.0	123



SUMMARY OF RESULTS

Natural moisture content - %	28
Bulk density - Mg/m3	1.99
Dry density - Mg/m3	1.55
Cell pressure - kN/m2	260
Max deviator stress - kN/m2	128
Strain at failure - %	13.0
Max Principal stress - kN/m2	388
Shear strength - kN/m2	64
Mode of failure	Shear

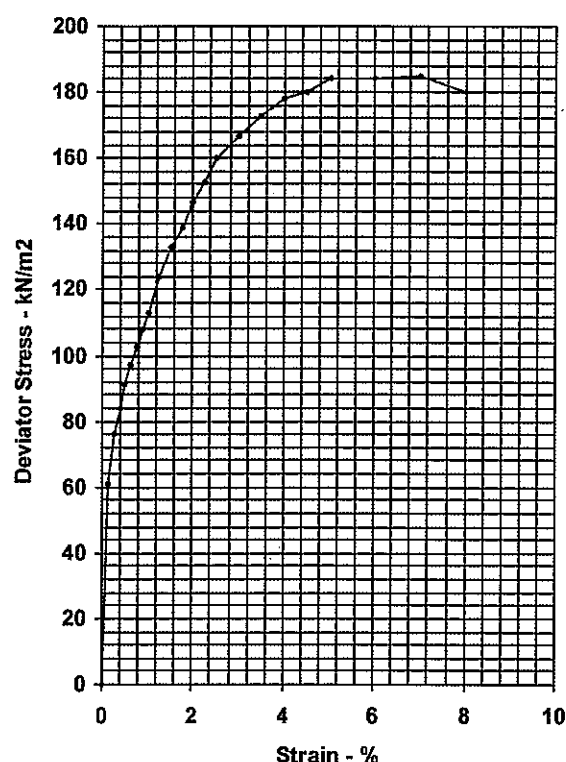
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Job No: 36237
Test date: 30/04/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	14.60		
Description	Dark greyish brown thinly laminated very closely fissured clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3655/3
Length - mm	200.0	Membrane thickness - mm	0.35
Diameter - mm	100.0	Load ring reference	G1635
		Ring constant - N/division	5.72
		Strain rate - %/min	1.0
		Cell pressure - kN/m2	290

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	61
0.3	76
0.4	84
0.5	91
0.6	97
0.8	103
0.9	108
1.0	113
1.3	124
1.5	133
1.8	139
2.0	147
2.3	153
2.5	160
3.0	167
3.5	173
4.0	178
4.5	180
5.0	184
6.0	184
7.0	185
8.0	180



SUMMARY OF RESULTS

Natural moisture content - %	28
Bulk density - Mg/m3	2.00
Dry density - Mg/m3	1.56
Cell pressure - kN/m2	290
Max deviator stress - kN/m2	185
Strain at failure - %	7.0
Max Principal stress - kN/m2	475
Shear strength - kN/m2	93
Mode of failure	Shear

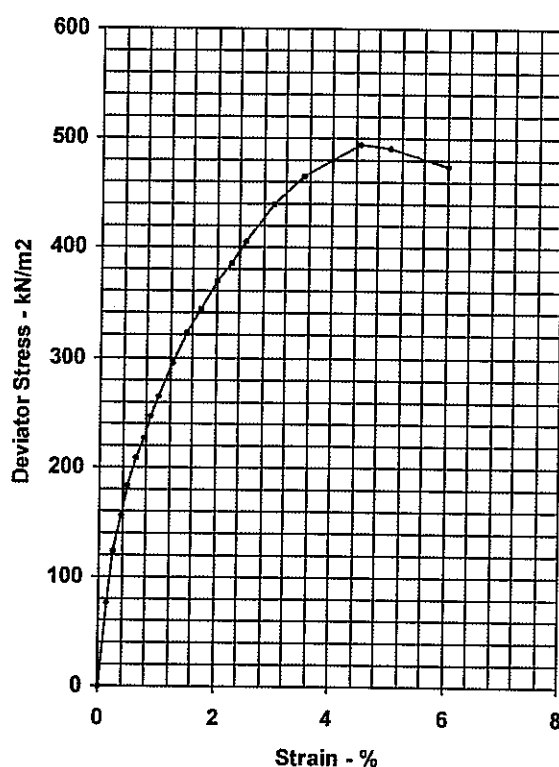
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Site: Denmark Place

Job No: 36237
Test date: 30/04/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	19.25		
Description	Very dark greyish brown thinly laminated slightly sandy clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3656/8
Length - mm	200.0	Membrane thickness - mm	0.35
Diameter - mm	97.0	Load ring reference	G1638
		Ring constant - N/division	3.53
		Strain rate - %/min	1.0
		Cell pressure - kN/m ²	385

Percent Strain	Deviator Stress (kN/m ²)
0.0	0
0.1	76
0.3	124
0.4	156
0.5	183
0.6	208
0.8	226
0.9	247
1.0	264
1.3	296
1.5	322
1.8	344
2.0	369
2.3	387
2.5	406
3.0	441
3.5	466
4.0	481
4.5	495
5.0	492
6.0	475



SUMMARY OF RESULTS

Natural moisture content - %	26
Bulk density - Mg/m ³	2.05
Dry density - Mg/m ³	1.63
Cell pressure - kN/m ²	385
Max deviator stress - kN/m ²	495
Strain at failure - %	4.5
Max Principal stress - kN/m ²	880
Shear strength - kN/m ²	248
Mode of failure	Shear

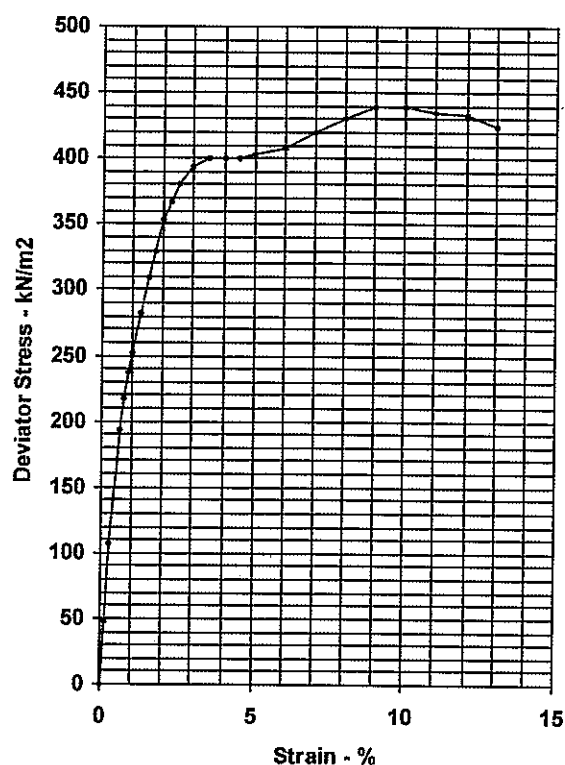
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Site: Denmark Place

Job No: 36237
Test date: 30/04/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	20.15		
Description	Very dark greyish brown thinly laminated closely fissured clay with occ lenses of fine sand		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3656/9
Length - mm	200.0	Membrane thickness - mm	0.35
Diameter - mm	96.0	Load ring reference	G1638
		Ring constant - N/division	3.53
		Strain rate - %/min	1.0
		Cell pressure - kN/m2	405

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	48
0.3	107
0.4	141
0.5	170
0.6	194
0.8	217
0.9	237
1.0	253
1.3	283
1.5	309
1.8	330
2.0	353
2.3	367
2.5	381
3.0	395
3.5	400
4.0	400
4.5	400
5.0	404
6.0	408
7.0	420
8.0	430
9.0	439
10.0	439
11.0	435
12.0	433
13.0	424



SUMMARY OF RESULTS

Natural moisture content - %	27
Bulk density - Mg/m3	2.03
Dry density - Mg/m3	1.59
Cell pressure - kN/m2	405
Max deviator stress - kN/m2	439
Strain at failure - %	9.0
Max Principal stress - kN/m2	844
Shear strength - kN/m2	220
Mode of failure	Shear

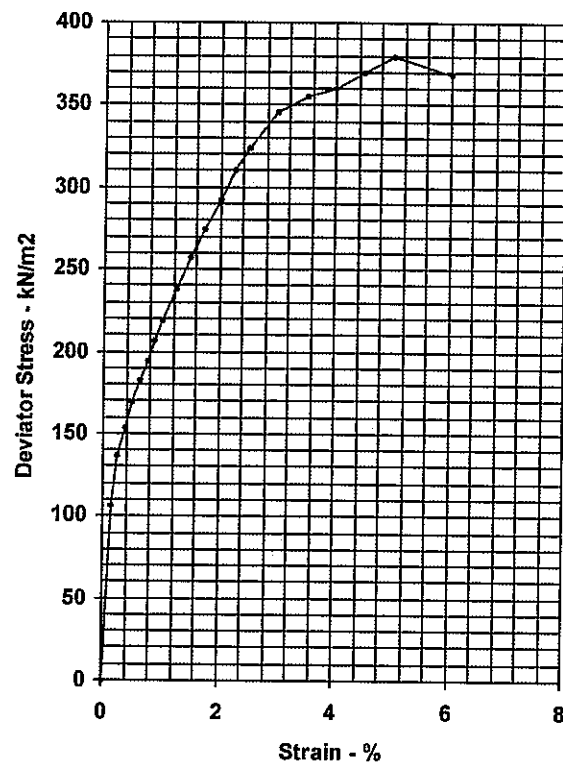
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Job No: 36237
Test date: 30/04/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	22.10		
Description	Dark greyish brown thinly laminated clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3654/9
Length - mm	200.0	Membrane thickness - mm	0.34
Diameter - mm	94.0	Load ring reference	G1635
		Ring constant - N/division	5.72
		Strain rate - %/min	1.0
		Cell pressure - kN/m2	440

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	106
0.3	136
0.4	154
0.5	169
0.6	183
0.8	195
0.9	207
1.0	219
1.3	238
1.5	257
1.8	274
2.0	292
2.3	310
2.5	324
3.0	346
3.5	355
4.0	360
4.5	370
5.0	379
6.0	368



SUMMARY OF RESULTS

Natural moisture content - %	26
Bulk density - Mg/m3	2.00
Dry density - Mg/m3	1.59
Cell pressure - kN/m2	440
Max deviator stress - kN/m2	379
Strain at failure - %	5.0
Max Principal stress - kN/m2	819
Shear strength - kN/m2	190
Mode of failure	Shear

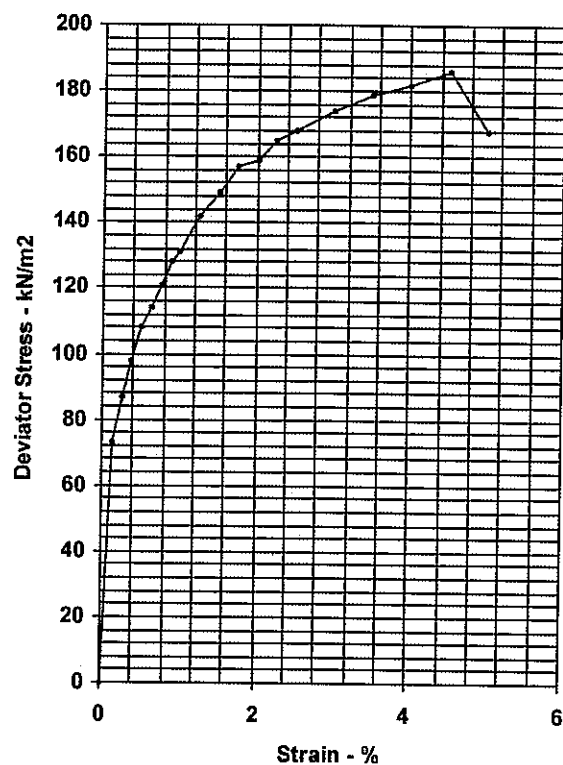
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Job No: 36237
 Test date: 01/05/2008
 Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	15.96		
Description	Dark greyish brown thinly laminated very closely fissured clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3652/10
Length - mm	200.0	Membrane thickness - mm	0.36
Diameter - mm	96.0	Load ring reference	G1635
		Ring constant - N/division	5.72
		Strain rate - %/min	1.0
		Cell pressure - kN/m2	320

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	73
0.3	87
0.4	98
0.5	108
0.6	114
0.8	121
0.9	128
1.0	131
1.3	142
1.5	149
1.8	157
2.0	159
2.3	165
2.5	168
3.0	174
3.5	179
4.0	182
4.5	186
5.0	168



SUMMARY OF RESULTS

Natural moisture content - %	29
Bulk density - Mg/m3	1.89
Dry density - Mg/m3	1.46
Cell pressure - kN/m2	320
Max deviator stress - kN/m2	186
Strain at failure - %	4.5
Max Principal stress - kN/m2	506
Shear strength - kN/m2	93
Mode of failure	Shear

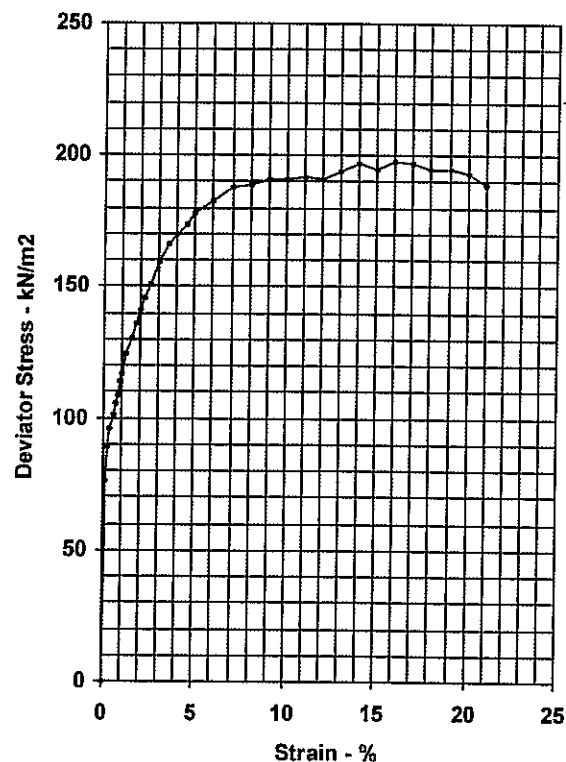
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Job No: 36237
Test date: 01/05/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	17.46		
Description	Dark greyish brown thinly laminated very closely fissured clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3652/6
Length - mm	200.0	Membrane thickness - mm	0.36
Diameter - mm	100.0	Load ring reference	G1635
		Ring constant - N/division	5.72
		Strain rate - %/min	1.5
		Cell pressure - kN/m2	350

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	76
0.3	89
0.4	96
0.5	101
0.6	106
0.8	109
0.9	114
1.0	117
1.3	125
1.5	131
1.8	136
2.0	141
2.3	146
2.5	151
3.0	159
3.5	166
4.0	170
4.5	174
5.0	178
6.0	183
7.0	188
8.0	189
9.0	191
10.0	191
11.0	192
12.0	191
13.0	194
14.0	197
15.0	195
16.0	198
17.0	197
18.0	195
19.0	195
20.0	193
21.0	189



SUMMARY OF RESULTS

Natural moisture content - %	31
Bulk density - Mg/m3	1.94
Dry density - Mg/m3	1.48
Cell pressure - kN/m2	350
Max deviator stress - kN/m2	198
Strain at failure - %	16.0
Max Principal stress - kN/m2	548
Shear strength - kN/m2	99
Mode of failure	Shear

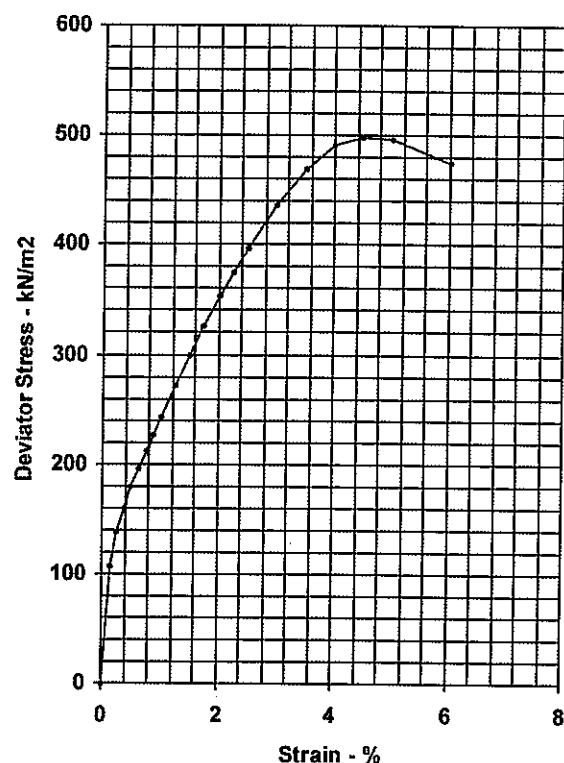
Client: Consolidated Developments Limited
Site: Denmark Place

Job No: 36237
Test date: 01/05/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	18.70		
Description	Very dark greyish brown thinly laminated slightly sandy clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3654/8
Length - mm	200.0	Membrane thickness - mm	0.34
Diameter - mm	97.0	Load ring reference	G1635
		Ring constant - N/division	5.72
		Strain rate - %/min	1.0
		Cell pressure - kN/m2	375

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	107
0.3	137
0.4	160
0.5	179
0.6	195
0.8	212
0.9	227
1.0	243
1.3	272
1.5	300
1.8	327
2.0	353
2.3	376
2.5	397
3.0	436
3.5	470
4.0	492
4.5	498
5.0	497
6.0	475



SUMMARY OF RESULTS

Natural moisture content - %	26
Bulk density - Mg/m3	2.05
Dry density - Mg/m3	1.63
Cell pressure - kN/m2	375
Max deviator stress - kN/m2	498
Strain at failure - %	4.5
Max Principal stress - kN/m2	873
Shear strength - kN/m2	249
Mode of failure	Shear

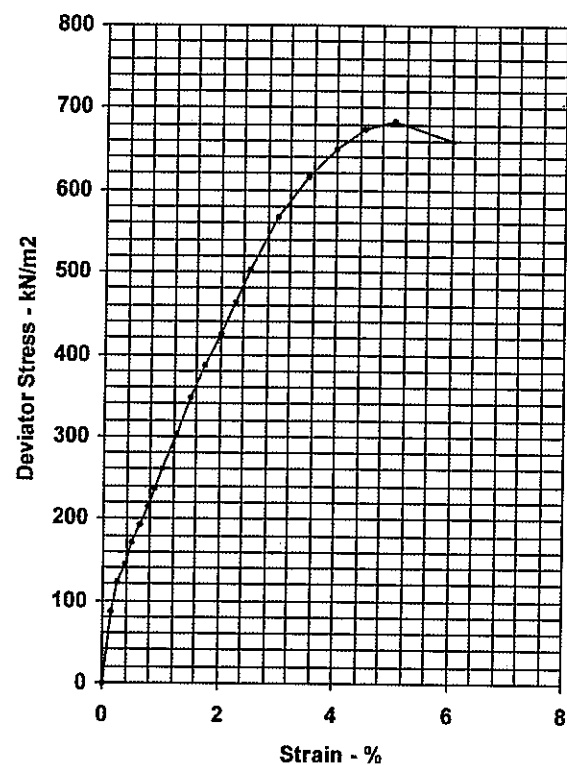
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 Site: Denmark Place

Job No: 36237
 Test date: 01/05/2008
 Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	21.70		
Description	Dark greyish brown thinly laminated slightly sandy clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3654/6
Length - mm	200.0	Membrane thickness - mm	0.34
Diameter - mm	99.0	Load ring reference	G1635
		Ring constant - N/division	5.72
		Strain rate - %/min	1.0
		Cell pressure - kN/m2	435

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	86
0.3	123
0.4	146
0.5	172
0.6	193
0.8	215
0.9	237
1.0	260
1.3	301
1.5	347
1.8	387
2.0	425
2.3	465
2.5	502
3.0	568
3.5	617
4.0	651
4.5	675
5.0	683
6.0	659



SUMMARY OF RESULTS

Natural moisture content - %	22
Bulk density - Mg/m3	2.05
Dry density - Mg/m3	1.68
Cell pressure - kN/m2	435
Max deviator stress - kN/m2	683
Strain at failure - %	5.0
Max Principal stress - kN/m2	1118
Shear strength - kN/m2	342
Mode of failure	Shear

Client: Consolidated Developments Limited
Site: Denmark Place

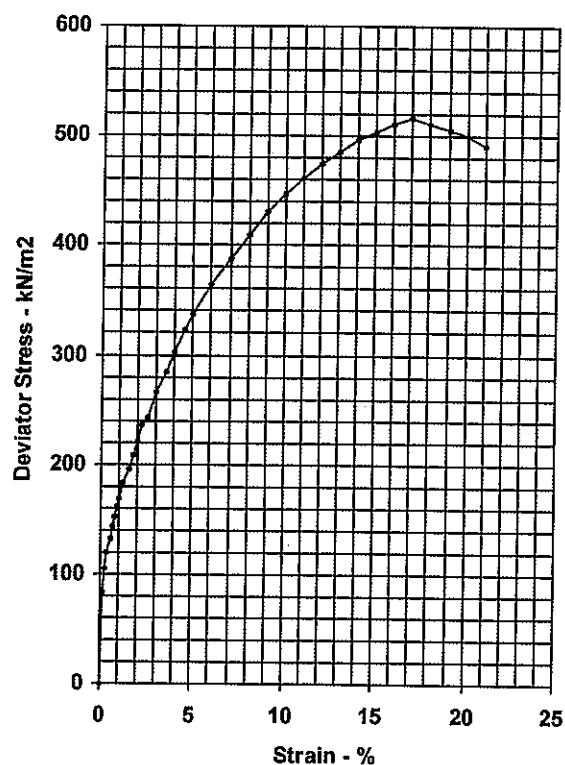
Job No: 36237
Test date: 02/05/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101
Depth - m	23.28
Description	Very dark greyish brown thinly laminated clay with occ lenses of fine sand
Orientation of specimen	Vertical
Sample type	Undisturbed

Batch Number	7706	Membrane batch reference	G3655/1
Length - mm	200.0	Membrane thickness - mm	0.35
Diameter - mm	96.8	Load ring reference	G1635
		Ring constant - N/division	5.72
		Strain rate - %/min	1.5
		Cell pressure - kN/m2	465

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	83
0.3	105
0.4	120
0.5	133
0.6	144
0.8	152
0.9	162
1.0	168
1.3	183
1.5	196
1.8	209
2.0	221
2.3	235
2.5	243
3.0	266
3.5	284
4.0	303
4.5	322
5.0	338
6.0	364
7.0	388
8.0	410
9.0	431
10.0	448
11.0	463
12.0	475
13.0	486
14.0	497
15.0	504
16.0	512
17.0	516
18.0	511
19.0	506
20.0	500
21.0	491



SUMMARY OF RESULTS

Natural moisture content - %	23
Bulk density - Mg/m3	2.12
Dry density - Mg/m3	1.72
Cell pressure - kN/m2	465
Max deviator stress - kN/m2	516
Strain at failure - %	17.0
Max Principal stress - kN/m2	981
Shear strength - kN/m2	258
Mode of failure	Shear

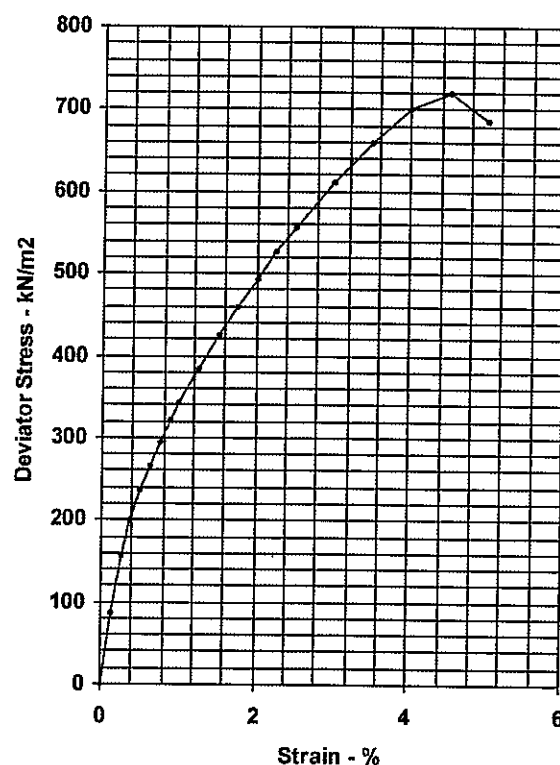
Client: Consolidated Developments Limited
Site: Denmark Place

Job No: 36237
Test date: 02/05/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	23.75		
Description	Very dark greyish brown thinly laminated closely fissured slightly sandy clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3655/10
Length - mm	200.0	Membrane thickness - mm	0.35
Diameter - mm	98.5	Load ring reference	G1635
		Ring constant - N/division	5.72
		Strain rate - %/min	1.5
		Cell pressure - kN/m2	475

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	87
0.3	156
0.4	200
0.5	236
0.6	267
0.8	294
0.9	321
1.0	344
1.3	385
1.5	425
1.8	460
2.0	493
2.3	527
2.5	557
3.0	611
3.5	661
4.0	702
4.5	720
5.0	687



SUMMARY OF RESULTS

Natural moisture content - %	24
Bulk density - Mg/m3	2.08
Dry density - Mg/m3	1.68
Cell pressure - kN/m2	475
Max deviator stress - kN/m2	720
Strain at failure - %	4.5
Max Principal stress - kN/m2	1195
Shear strength - kN/m2	360
Mode of failure	Shear

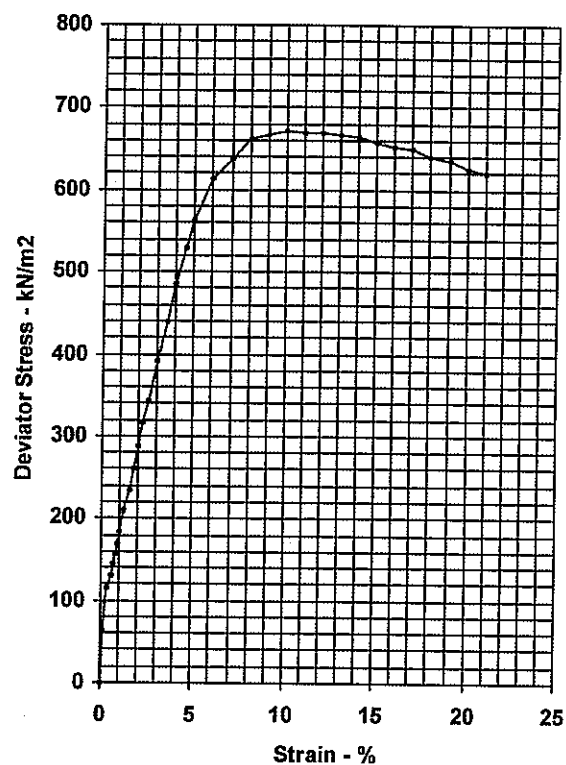
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 Site: Denmark Place

Job No: 36237
 Test date: 02/05/2008
 Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	24.87		
Description	Very dark greyish brown thinly laminated slightly sandy clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3652/9
Length - mm	200.0	Membrane thickness - mm	0.36
Diameter - mm	98.5	Load ring reference	G1635
		Ring constant - N/division	5.72
		Strain rate - %/min	1.5
		Cell pressure - kN/m2	500

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	64
0.3	99
0.4	117
0.5	131
0.6	145
0.8	156
0.9	170
1.0	183
1.3	210
1.5	235
1.8	261
2.0	288
2.3	316
2.5	342
3.0	391
3.5	439
4.0	485
4.5	530
5.0	562
6.0	613
7.0	639
8.0	662
9.0	667
10.0	672
11.0	669
12.0	670
13.0	667
14.0	664
15.0	658
16.0	653
17.0	649
18.0	641
19.0	635
20.0	627
21.0	621



SUMMARY OF RESULTS

Natural moisture content - %	20
Bulk density - Mg/m3	2.10
Dry density - Mg/m3	1.75
Cell pressure - kN/m2	500
Max deviator stress - kN/m2	672
Strain at failure - %	10.0
Max Principal stress - kN/m2	1172
Shear strength - kN/m2	336
Mode of failure	Shear

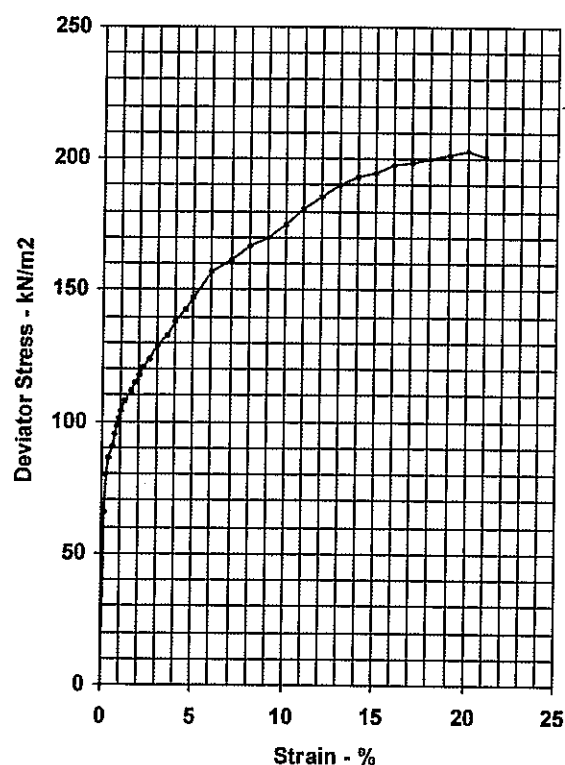
Client: Consolidated Developments Limited
Site: Denmark Place

Job No: 36237
Test date: 02/05/2008
Tested By: D Griffin

Method of field sampling : Rotary coring

Borehole number	BH101		
Depth - m	26.20		
Description	Dark grey thinly laminated closely fissured clay with occ lenses of fine sand		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3655/7
Length - mm	200.0	Membrane thickness - mm	0.35
Diameter - mm	97.7	Load ring reference	G1635
		Ring constant - N/division	5.72
		Strain rate - %/min	1.5
		Cell pressure - kN/m2	525

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	66
0.3	80
0.4	86
0.5	91
0.6	95
0.8	98
0.9	101
1.0	104
1.3	108
1.5	112
1.8	115
2.0	118
2.3	121
2.5	124
3.0	129
3.5	133
4.0	138
4.5	143
5.0	147
6.0	157
7.0	162
8.0	167
9.0	170
10.0	175
11.0	181
12.0	186
13.0	190
14.0	193
15.0	195
16.0	198
17.0	199
18.0	200
19.0	202
20.0	203
21.0	201



SUMMARY OF RESULTS

Natural moisture content - %	30
Bulk density - Mg/m3	1.97
Dry density - Mg/m3	1.52
Cell pressure - kN/m2	525
Max deviator stress - kN/m2	203
Strain at failure - %	20.0
Max Principal stress - kN/m2	728
Shear strength - kN/m2	102
Mode of failure	Barrelling

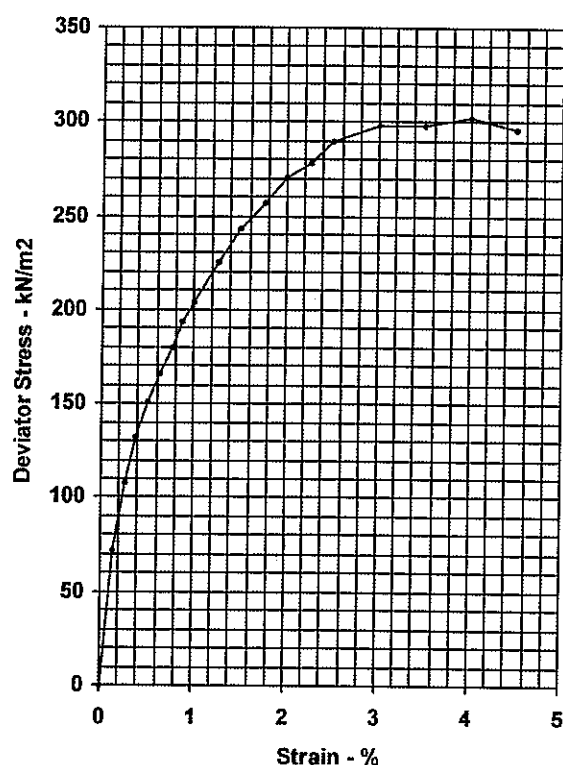
Client: Consolidated Developments Limited
Site: Denmark Place

Job No: 36237
Test date: 02/05/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	26.70		
Description	Very dark greyish brown thinly laminated closely fissured clay with occ pieces of shell		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3654/1
Length - mm	200.0	Membrane thickness - mm	0.34
Diameter - mm	94.3	Load ring reference	G1635
		Ring constant - N/division	5.72
		Strain rate - %/min	1.5
		Cell pressure - kN/m2	535

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	72
0.3	108
0.4	132
0.5	151
0.6	166
0.8	180
0.9	193
1.0	204
1.3	225
1.5	243
1.8	257
2.0	271
2.3	278
2.5	290
3.0	298
3.5	298
4.0	302
4.5	296



SUMMARY OF RESULTS

Natural moisture content - %	27
Bulk density - Mg/m3	2.04
Dry density - Mg/m3	1.61
Cell pressure - kN/m2	535
Max deviator stress - kN/m2	302
Strain at failure - %	4.0
Max Principal stress - kN/m2	837
Shear strength - kN/m2	151
Mode of failure	Shear

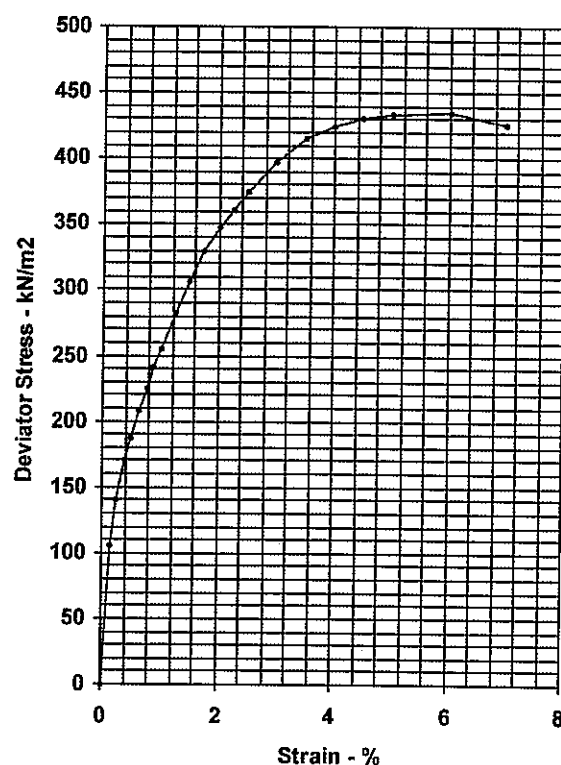
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Site: Denmark Place

Job No: 36237
Test date: 02/05/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	28.15		
Description	Dark grey thinly laminated closely fissured clay with occ selenite		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3655/6
Length - mm	200.0	Membrane thickness - mm	0.35
Diameter - mm	96.5	Load ring reference	G1635
		Ring constant - N/division	5.72
		Strain rate - %/min	1.5
		Cell pressure - kN/m2	565

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	105
0.3	140
0.4	170
0.5	188
0.6	208
0.8	225
0.9	241
1.0	255
1.3	282
1.5	306
1.8	329
2.0	347
2.3	361
2.5	375
3.0	397
3.5	415
4.0	425
4.5	430
5.0	434
6.0	435
7.0	426



SUMMARY OF RESULTS

Natural moisture content - %	25
Bulk density - Mg/m3	2.03
Dry density - Mg/m3	1.62
Cell pressure - kN/m2	565
Max deviator stress - kN/m2	435
Strain at failure - %	6.0
Max Principal stress - kN/m2	1000
Shear strength - kN/m2	218
Mode of failure	Shear

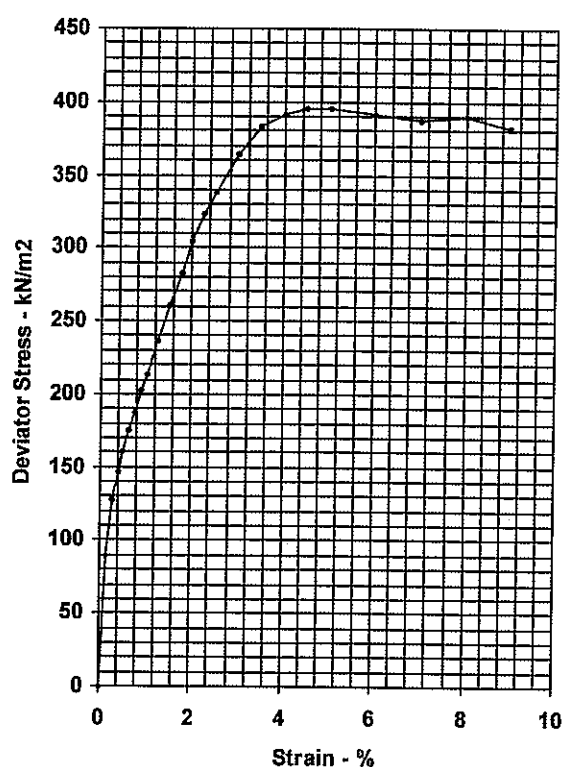
Client: Consolidated Developments Limited
Site: Denmark Place

Job No: 36237
Test date: 07/05/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	29.30		
Description	Very dark greyish brown thinly laminated closely fissured clay with occ iron pyrite		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3653/8
Length - mm	200.0	Membrane thickness - mm	0.33
Diameter - mm	98.5	Load ring reference	G1635
		Ring constant - N/division	5.72
		Strain rate - %/min	1.0
		Cell pressure - kN/m2	585

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	90
0.3	128
0.4	147
0.5	161
0.6	175
0.8	188
0.9	202
1.0	214
1.3	236
1.5	261
1.8	283
2.0	305
2.3	323
2.5	339
3.0	364
3.5	384
4.0	391
4.5	396
5.0	395
6.0	392
7.0	388
8.0	390
9.0	382



SUMMARY OF RESULTS

Natural moisture content - %	24
Bulk density - Mg/m3	2.08
Dry density - Mg/m3	1.68
Cell pressure - kN/m2	585
Max deviator stress - kN/m2	396
Strain at failure - %	4.5
Max Principal stress - kN/m2	981
Shear strength - kN/m2	198
Mode of failure	Shear

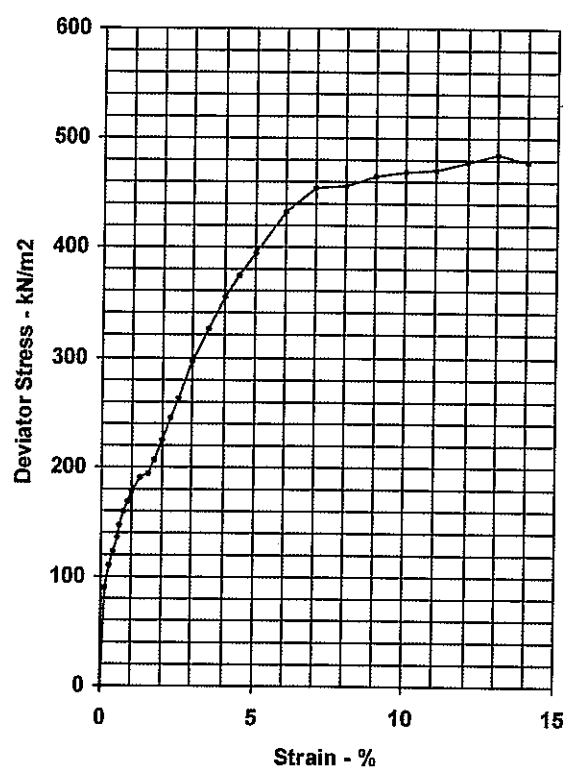
Client: Consolidated Developments Limited
Site: Denmark Place

Job No: 36237
Test date: 07/05/2008
Tested By: D Griffin

Method of field sampling : Rotary coring

Borehole number	BH101		
Depth - m	30.85		
Description	Dark yellowish brown mottled light grey red very closely fissured clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3652/3
Length - mm	200.0	Membrane thickness - mm	0.36
Diameter - mm	89.2	Load ring reference	G1635
		Ring constant - N/division	5.72
		Strain rate - %/min	1.0
		Cell pressure - kN/m2	615

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	90
0.3	110
0.4	123
0.5	136
0.6	147
0.8	159
0.9	168
1.0	177
1.3	191
1.5	194
1.8	206
2.0	224
2.3	244
2.5	262
3.0	297
3.5	327
4.0	355
4.5	375
5.0	395
6.0	434
7.0	455
8.0	457
9.0	465
10.0	470
11.0	471
12.0	478
13.0	486
14.0	478



SUMMARY OF RESULTS

Natural moisture content - %	20
Bulk density - Mg/m3	2.17
Dry density - Mg/m3	1.81
Cell pressure - kN/m2	615
Max deviator stress - kN/m2	486
Strain at failure - %	13.0
Max Principal stress - kN/m2	1101
Shear strength - kN/m2	243
Mode of failure	Shear

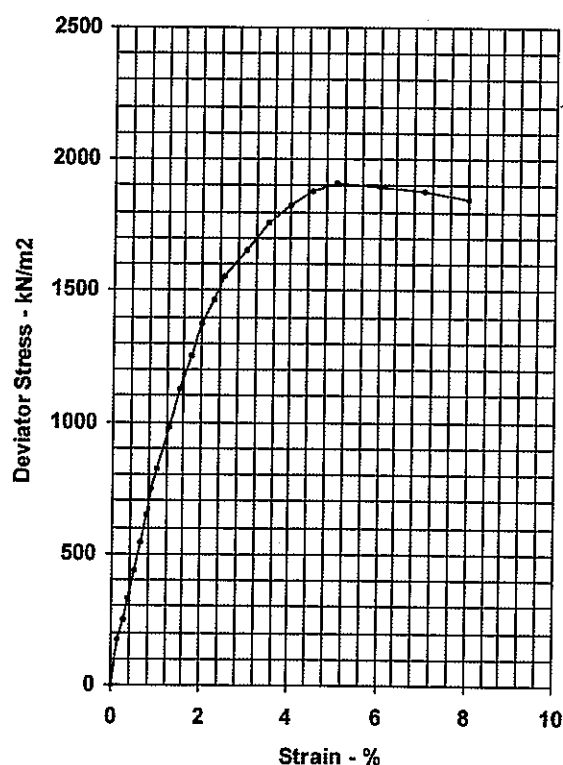
Client: Consolidated Developments Limited
Site: Denmark Place

Job No: 36237
Test date: 07/05/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	32.20		
Description	Light grey mottled brown red slightly sandy clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3656/5
Length - mm	200.0	Membrane thickness - mm	0.35
Diameter - mm	98.5	Load ring reference	G1637
		Ring constant - N/division	34.20
		Strain rate - %/min	1.0
		Cell pressure - kN/m2	645

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	175
0.3	251
0.4	335
0.5	438
0.6	544
0.8	646
0.9	747
1.0	822
1.3	979
1.5	1127
1.8	1257
2.0	1372
2.3	1469
2.5	1553
3.0	1654
3.5	1758
4.0	1831
4.5	1877
5.0	1910
6.0	1898
7.0	1878
8.0	1853



SUMMARY OF RESULTS

Natural moisture content - %	12
Bulk density - Mg/m3	2.32
Dry density - Mg/m3	2.07
Cell pressure - kN/m2	645
Max deviator stress - kN/m2	1910
Strain at failure - %	5.0
Max Principal stress - kN/m2	2555
Shear strength - kN/m2	955
Mode of failure	Shear

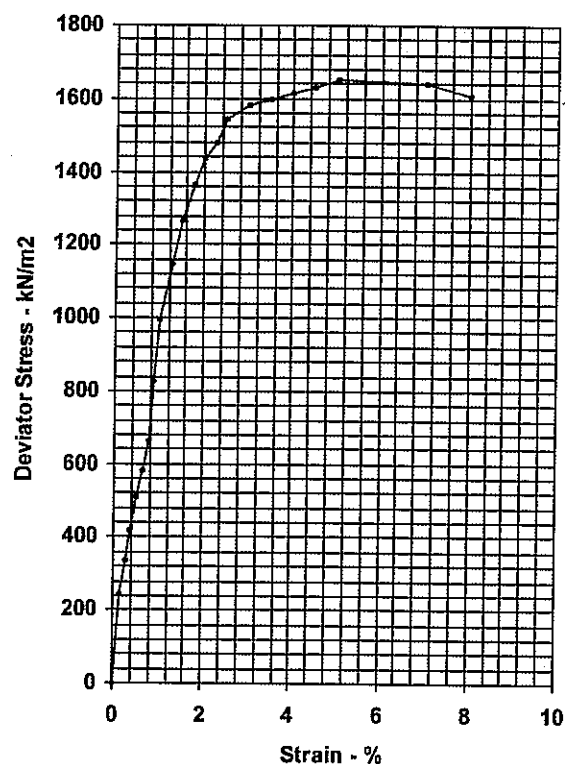
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Site: Denmark Place

Job No: 36237
Test date: 07/05/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	32.80		
Description	Brown mottled grey red very closely fissured clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3652/7
Length - mm	200.0	Membrane thickness - mm	0.36
Diameter - mm	98.5	Load ring reference	G1637
		Ring constant - N/division	34.20
		Strain rate - %/min	1.0
		Cell pressure - kN/m2	655

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	242
0.3	336
0.4	420
0.5	509
0.6	580
0.8	664
0.9	827
1.0	995
1.3	1148
1.5	1269
1.8	1367
2.0	1434
2.3	1478
2.5	1544
3.0	1580
3.5	1598
4.0	1615
4.5	1633
5.0	1654
6.0	1649
7.0	1644
8.0	1610



SUMMARY OF RESULTS

Natural moisture content - %	12
Bulk density - Mg/m3	2.29
Dry density - Mg/m3	2.04
Cell pressure - kN/m2	655
Max deviator stress - kN/m2	1654
Strain at failure - %	5.0
Max Principal stress - kN/m2	2309
Shear strength - kN/m2	827
Mode of failure	Shear

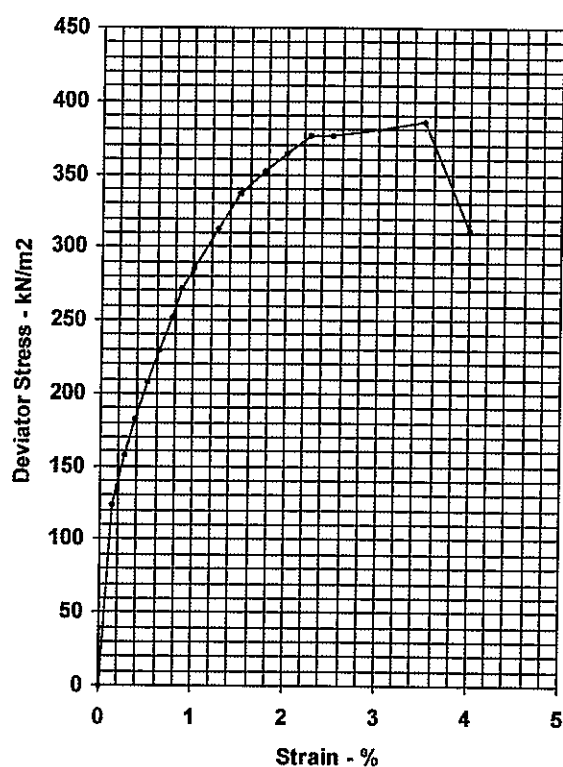
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Site: Denmark Place

Job No: 36237
Test date: 07/05/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	33.75		
Description	Dark yellowish brown mottled light grey red very closely fissured clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3652/5
Length - mm	200.0	Membrane thickness - mm	0.36
Diameter - mm	82.5	Load ring reference	G1635
		Ring constant - N/division	5.72
		Strain rate - %/min	1.5
		Cell pressure - kN/m ²	675

Percent Strain	Deviator Stress (kN/m ²)
0.0	0
0.1	124
0.3	158
0.4	182
0.5	208
0.6	230
0.8	251
0.9	272
1.0	286
1.3	313
1.5	337
1.8	352
2.0	365
2.3	376
2.5	377
3.0	381
3.5	386
4.0	312



SUMMARY OF RESULTS

Natural moisture content - %	18
Bulk density - Mg/m ³	2.23
Dry density - Mg/m ³	1.89
Cell pressure - kN/m ²	675
Max deviator stress - kN/m ²	386
Strain at failure - %	3.5
Max Principal stress - kN/m ²	1061
Shear strength - kN/m ²	193
Mode of failure	Shear

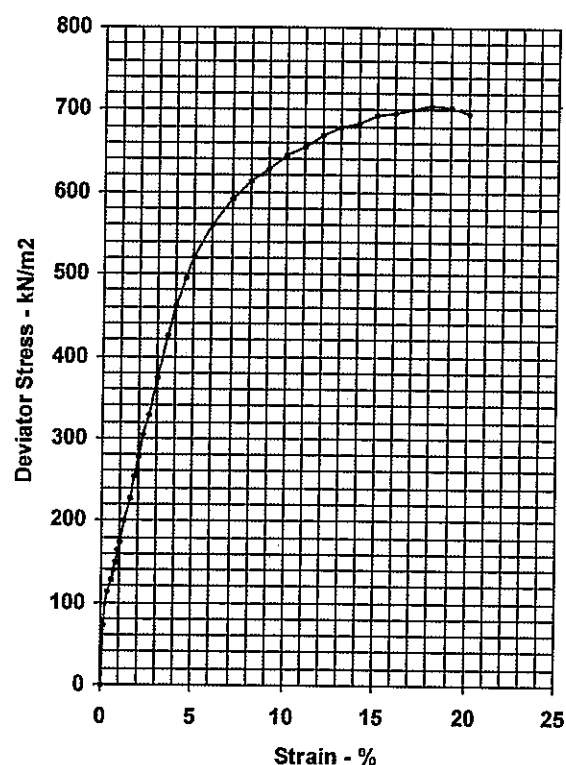
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Site: Denmark Place

Job No: 36237
Test date: 07/05/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	34.75		
Description	Light grey mottled olive brown very closely fissured sandy clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3656/10
Length - mm	200.0	Membrane thickness - mm	0.35
Diameter - mm	96.0	Load ring reference	G1635
		Ring constant - N/division	5.72
		Strain rate - %/min	1.5
		Cell pressure - kN/m2	695

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	73
0.3	99
0.4	114
0.5	128
0.6	139
0.8	151
0.9	164
1.0	174
1.3	200
1.5	226
1.8	254
2.0	277
2.3	305
2.5	328
3.0	375
3.5	426
4.0	462
4.5	496
5.0	522
6.0	560
7.0	592
8.0	615
9.0	628
10.0	645
11.0	656
12.0	669
13.0	679
14.0	685
15.0	694
16.0	697
17.0	701
18.0	705
19.0	704
20.0	697



SUMMARY OF RESULTS

Natural moisture content - %	16
Bulk density - Mg/m3	2.19
Dry density - Mg/m3	1.89
Cell pressure - kN/m2	695
Max deviator stress - kN/m2	705
Strain at failure - %	18.0
Max Principal stress - kN/m2	1400
Shear strength - kN/m2	353
Mode of failure	Combined barrelling and shear

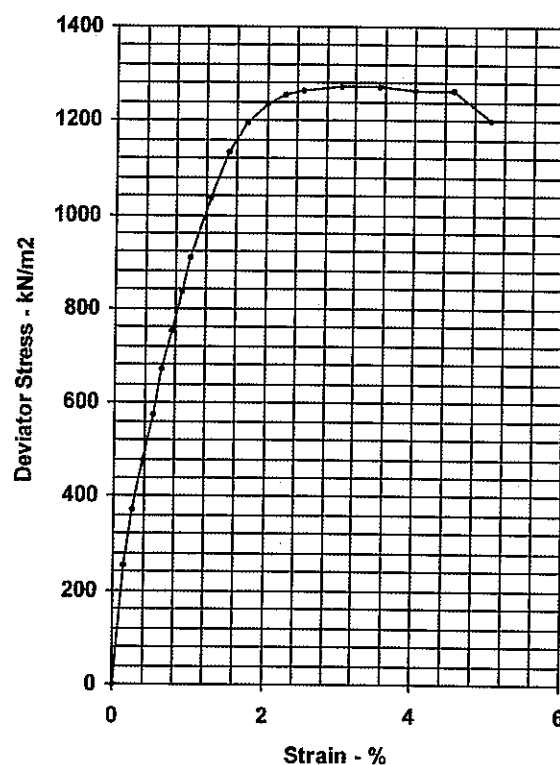
Client: Consolidated Developments Limited
Site: Denmark Place

Job No: 36237
Test date: 07/05/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	39.85		
Description	Grey mottled red olive very closely fissured slightly sandy clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3654/4
Length - mm	200.0	Membrane thickness - mm	0.34
Diameter - mm	100.0	Load ring reference	G1637
		Ring constant - N/division	34.20
		Strain rate - %/min	1.0
		Cell pressure - kN/m2	800

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	252
0.3	373
0.4	477
0.5	576
0.6	671
0.8	752
0.9	837
1.0	909
1.3	1036
1.5	1132
1.8	1198
2.0	1237
2.3	1255
2.5	1265
3.0	1271
3.5	1273
4.0	1266
4.5	1264
5.0	1203



SUMMARY OF RESULTS

Natural moisture content - %	15
Bulk density - Mg/m3	2.33
Dry density - Mg/m3	2.03
Cell pressure - kN/m2	800
Max deviator stress - kN/m2	1273
Strain at failure - %	3.5
Max Principal stress - kN/m2	2073
Shear strength - kN/m2	637
Mode of failure	Shear

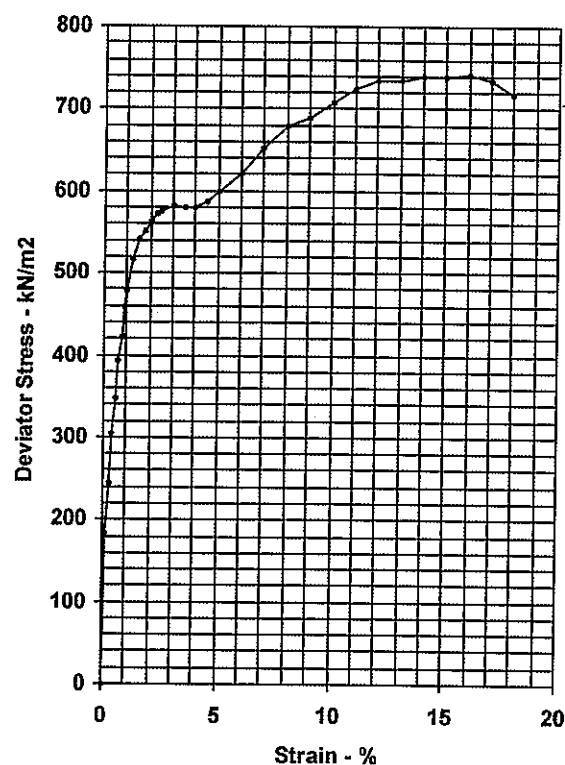
Client: Consolidated Developments Limited
Site: Denmark Place

Job No: 36237
Test date: 07/05/2008
Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	40.30		
Description	Olive mottled red closely fissured clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3653/5
Length - mm	200.0	Membrane thickness - mm	0.33
Diameter - mm	92.5	Load ring reference	G1637
		Ring constant - N/division	34.20
		Strain rate - %/min	1.0
		Cell pressure - kN/m2	805

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	183
0.3	244
0.4	304
0.5	349
0.6	394
0.8	424
0.9	459
1.0	479
1.3	517
1.5	541
1.8	550
2.0	563
2.3	572
2.5	575
3.0	582
3.5	579
4.0	581
4.5	588
5.0	599
6.0	621
7.0	653
8.0	678
9.0	689
10.0	709
11.0	724
12.0	734
13.0	734
14.0	739
15.0	739
16.0	743
17.0	734
18.0	717



SUMMARY OF RESULTS

Natural moisture content - %	15
Bulk density - Mg/m3	2.22
Dry density - Mg/m3	1.93
Cell pressure - kN/m2	805
Max deviator stress - kN/m2	743
Strain at failure - %	16.0
Max Principal stress - kN/m2	1548
Shear strength - kN/m2	372
Mode of failure	Shear

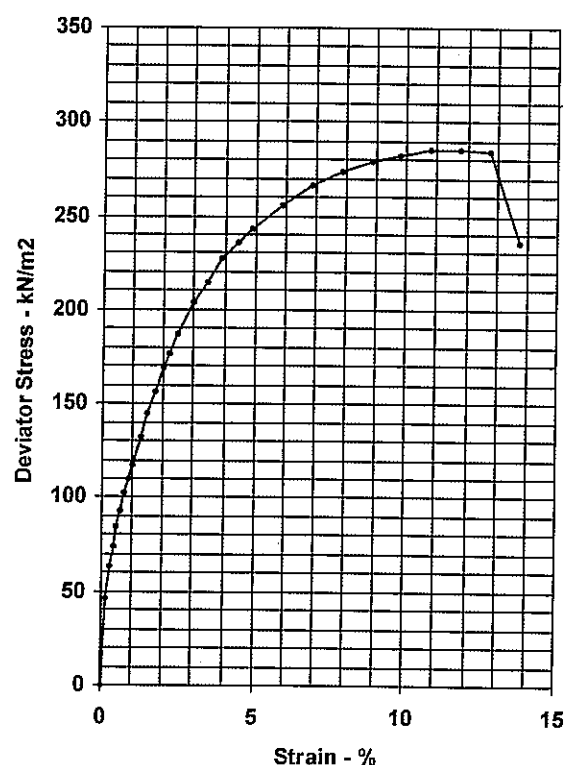
Client: Consolidated Developments Limited
Site: Denmark Place

Job No: 36237
Test date: 03/06/2008
Tested By: D Griffin

Method of field sampling :Light percussion shell and auger boring

Borehole number	BH101		
Depth - m	6.70		
Description	Very dark greyish brown thinly laminated very closely fissured slightly sandy clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3654/3
Length - mm	204.0	Membrane thickness - mm	0.34
Diameter - mm	104.5	Load ring reference	G1635
		Ring constant - N/division	5.72
		Strain rate - %/min	2.0
		Cell pressure - kN/m2	135

Percent Strain	Deviator Stress (kN/m2)
0.0	0
0.1	47
0.2	63
0.4	74
0.5	85
0.6	93
0.7	103
0.9	110
1.0	117
1.2	132
1.5	145
1.7	157
2.0	169
2.2	177
2.5	187
2.9	204
3.4	215
3.9	227
4.4	236
4.9	243
5.9	256
6.9	266
7.8	274
8.8	279
9.8	282
10.8	286
11.8	286
12.7	284
13.7	236



SUMMARY OF RESULTS

Natural moisture content - %	24
Bulk density - Mg/m3	2.03
Dry density - Mg/m3	1.63
Cell pressure - kN/m2	135
Max deviator stress - kN/m2	286
Strain at failure - %	10.8
Max Principal stress - kN/m2	421
Shear strength - kN/m2	143
Mode of failure	Shear

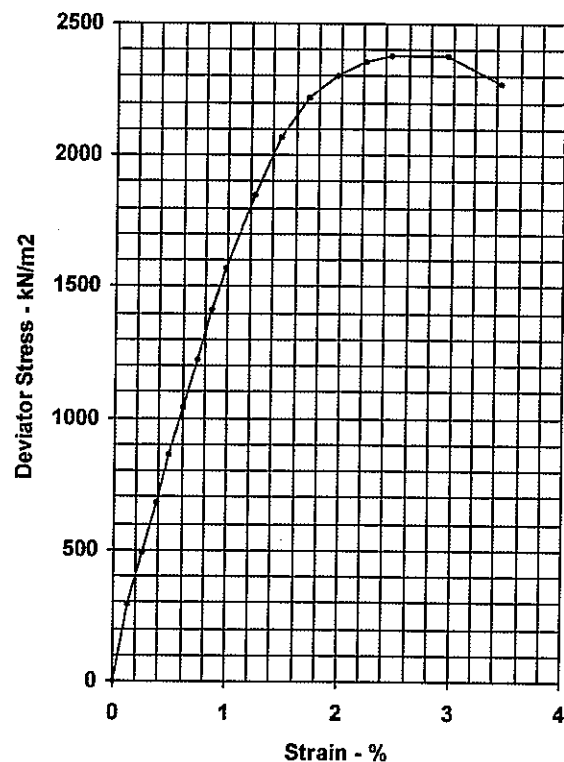
Client: Consolidated Developments Limited
 Site: Denmark Place

Job No: 36237
 Test date: 03/06/2008
 Tested By: D Griffin

Method of field sampling :Rotary coring

Borehole number	BH101		
Depth - m	45.20		
Description	Olive slightly sandy clay		
Orientation of specimen	Vertical		
Sample type	Undisturbed		
Batch Number	7706	Membrane batch reference	G3653/8
Length - mm	204.0	Membrane thickness - mm	0.33
Diameter - mm	101.0	Load ring reference	G1637
		Ring constant - N/division	34.20
		Strain rate - %/min	1.0
		Cell pressure - kN/m ²	905

Percent Strain	Deviator Stress (kN/m ²)
0.0	0
0.1	294
0.2	490
0.4	676
0.5	858
0.6	1039
0.7	1220
0.9	1413
1.0	1572
1.2	1851
1.5	2069
1.7	2219
2.0	2306
2.2	2354
2.5	2377
2.9	2378
3.4	2275



SUMMARY OF RESULTS

Natural moisture content - %	13
Bulk density - Mg/m ³	2.20
Dry density - Mg/m ³	1.95
Cell pressure - kN/m ²	905
Max deviator stress - kN/m ²	2378
Strain at failure - %	2.9
Max Principal stress - kN/m ²	3283
Shear strength - kN/m ²	1189
Mode of failure	Shear

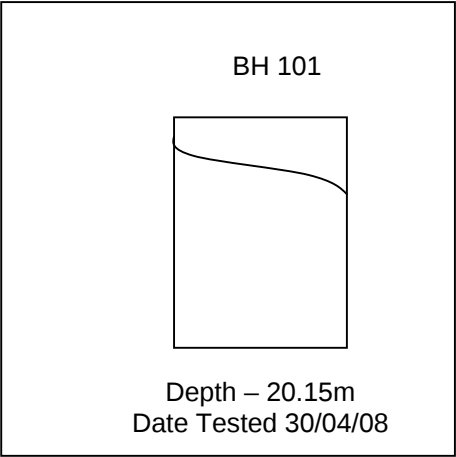
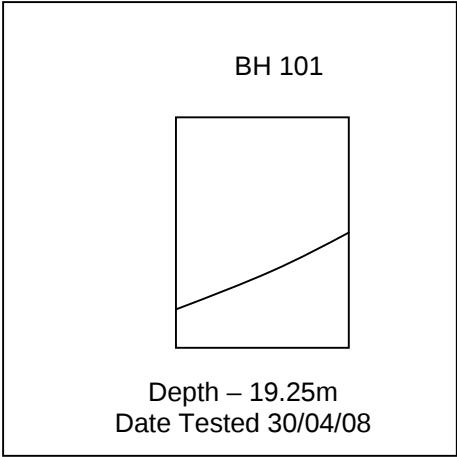
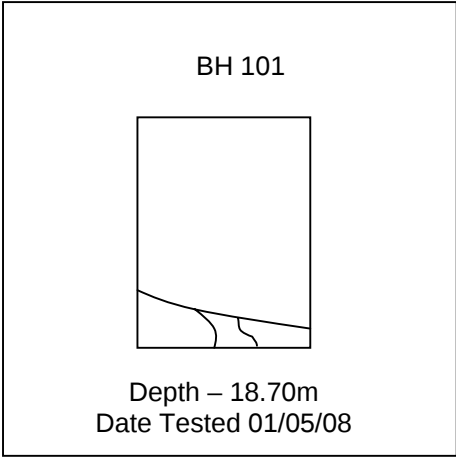
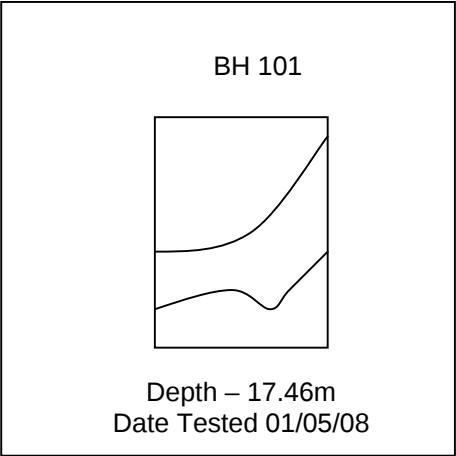
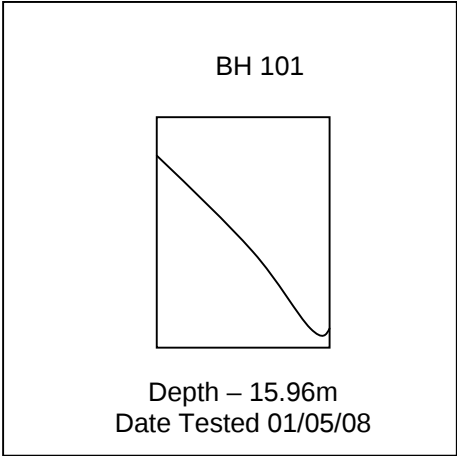
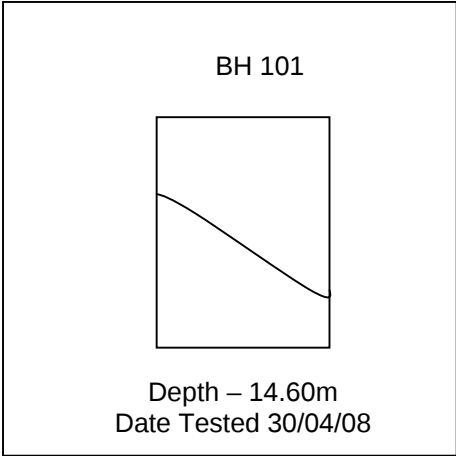
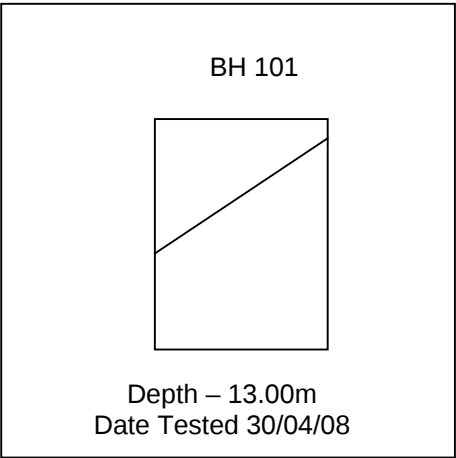
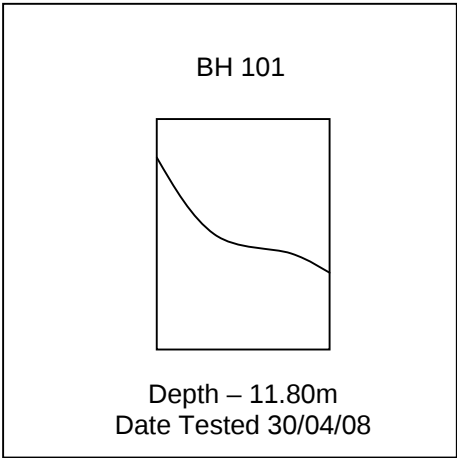
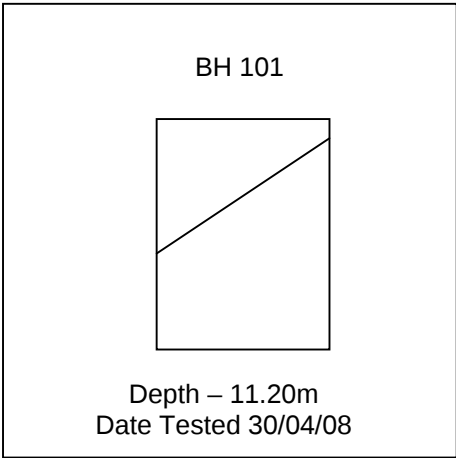
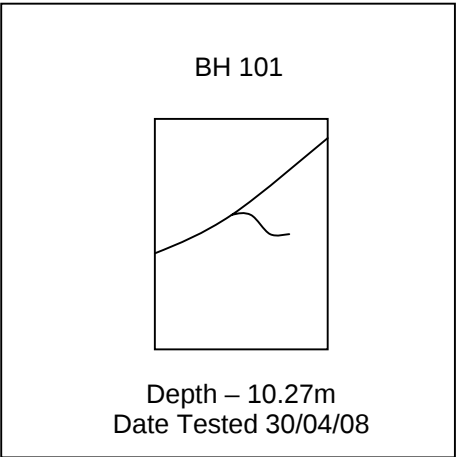
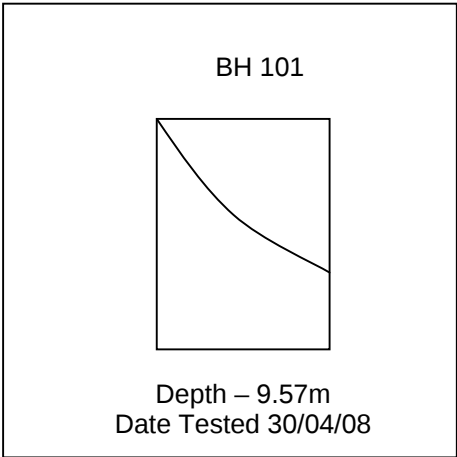
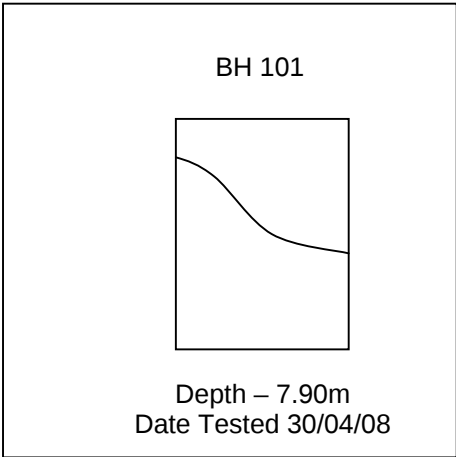
APPENDIX B4

Failure Sketches for Triaxial Test Results without the measurement of Pore Pressure

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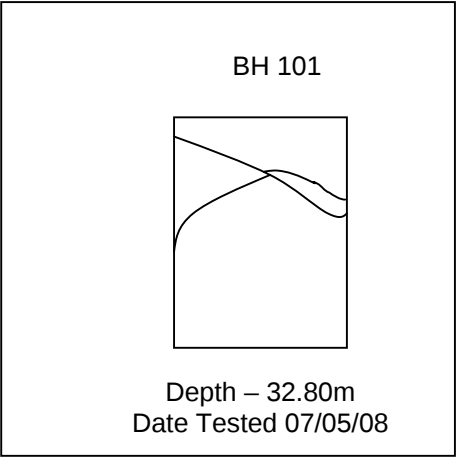
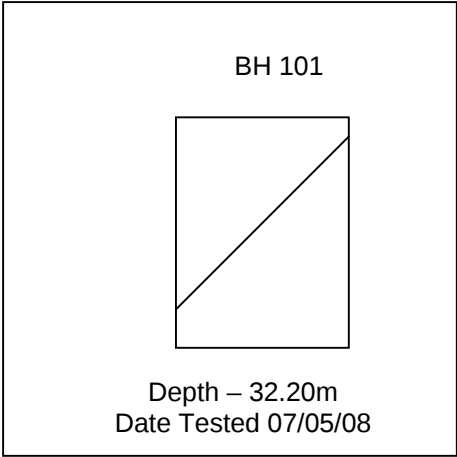
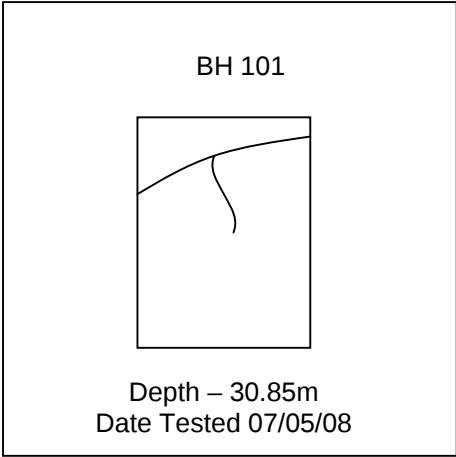
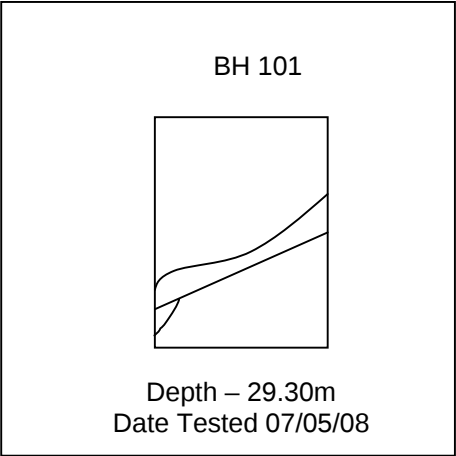
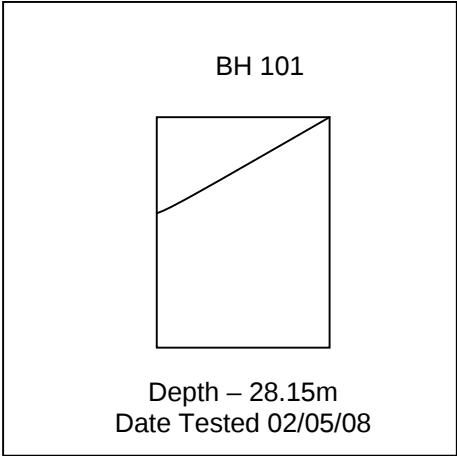
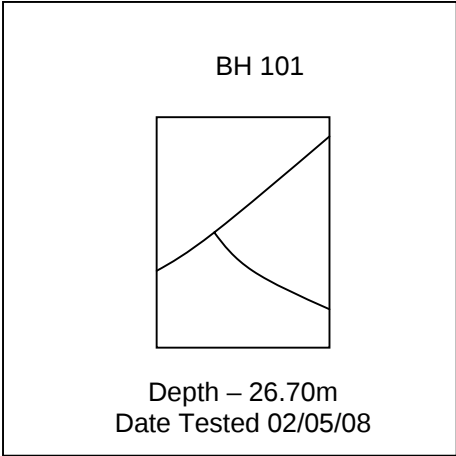
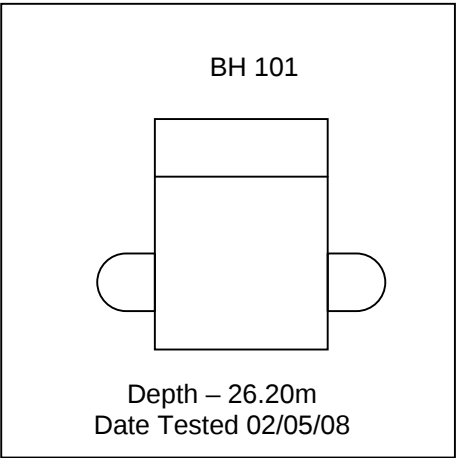
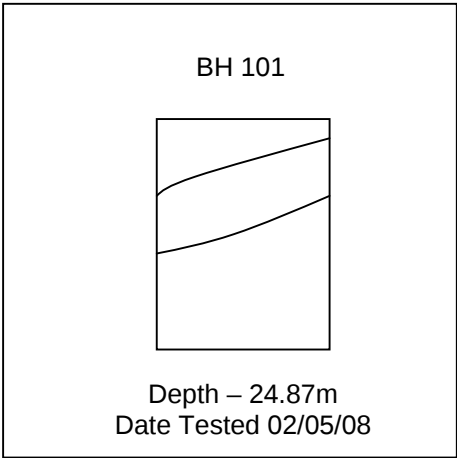
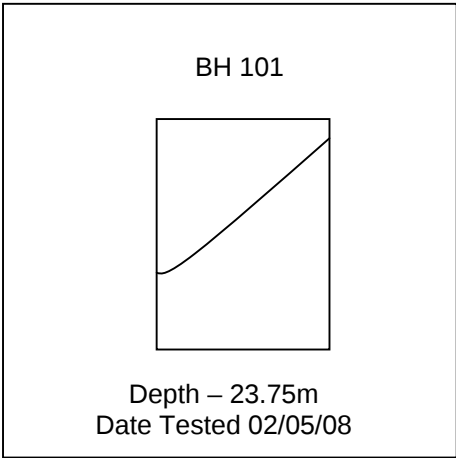
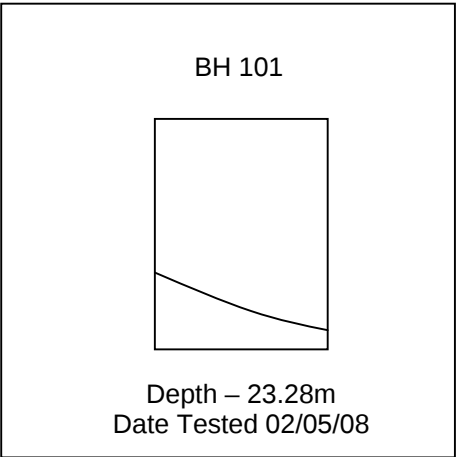
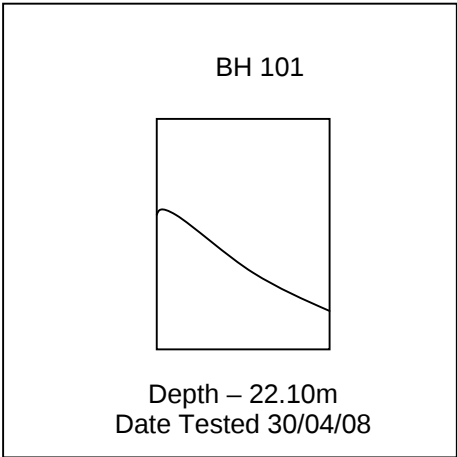
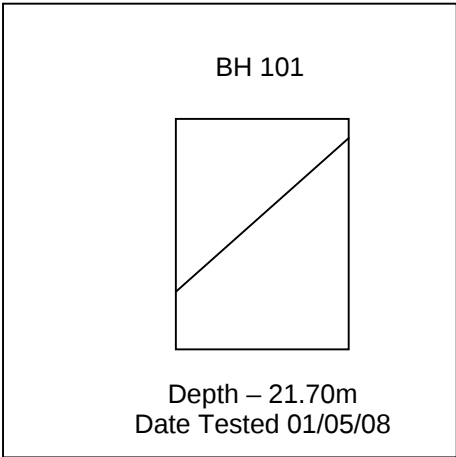
Job Name - Denmark Place

Job No. - 36237



Job Name - Denmark Place

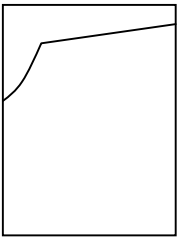
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Job Name - Denmark Place

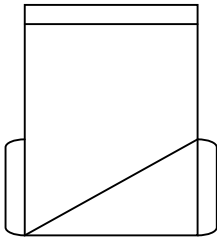
Job No. - 36237

BH 101



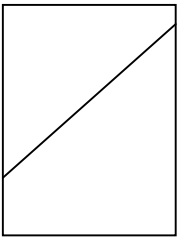
Depth – 33.75m
Date Tested 07/05/08

BH 101



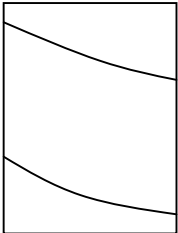
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BH 101



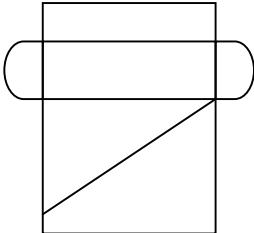
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Date Tested 07/05/08

BH 101



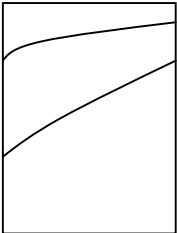
Depth – 40.30m
Date Tested 07/05/08

BH 102



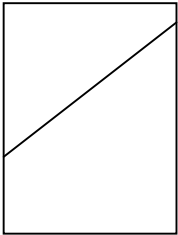
Depth – 6.20m
Date Tested 03/06/08

BH 101



Depth – 6.7m
Date Tested 03/06/08

BH 101



Depth – 45.20m
Date Tested 03/06/08

APPENDIX B5

Consolidated Undrained Triaxial Test Results with the Measurement of Pore Pressure

(Outstanding – to be included in Addendum 1)

(this appendix contains 1 page, including this one)

APPENDIX B6

Natural Moisture Content, Dry Density, Saturation Moisture Content, Uniaxial Compressive Strength and Determination of Deformability of White Chalk

(this appendix contains 11 pages, including this one)

**LABORATORY TEST CERTIFICATE
MATERIALS LABORATORY**

Certificate No 08/286 - 01
To : Julia Bota
Client : STATS Limited
Porterswood House
Porters Wood
St Albans
Herts
AL3 6PQ

Dear Sirs,

LABORATORY TESTING OF ROCK**Introduction**

We refer to samples delivered to our laboratory on 23rd May 2008.

Material & Source

Sampling	:	Sampled by Client
Sample Reference	:	See Report Plates
Description	:	Chalk
Date Sampled	:	Not Given
Date Tested	:	23rd May 2008 Onwards
Source	:	Denmark Place

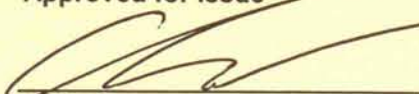
Test Results;

As Detailed On Page 2 to Page 10 Inclusive

Comments;

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation
This report should not be reproduced except in full without the written approval of the laboratory
All remaining samples for this project will be disposed of 28 days after issue of this test certificate

Remarks;

Approved for IssueA handwritten signature in black ink, appearing to read 'C Ferrie'.

C Ferrie

Laboratory Manager

Date

04/06/2008

Tested in accordance with ASTM D 2216-98

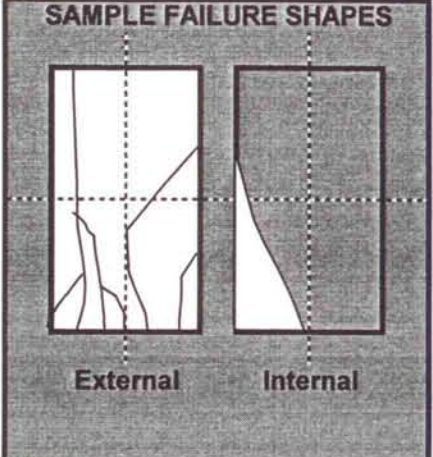
Certificate Number 08/286 - 01

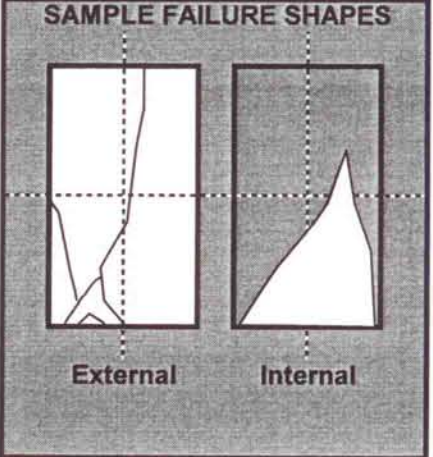
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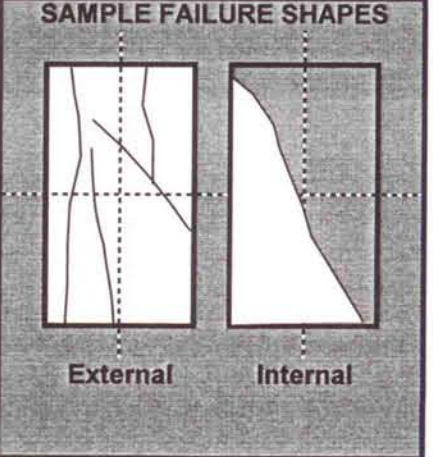
SUMMARY OF SATURATION MOISTURE CONTENT TEST RESULTS

[illegible]

SUMMARY OF MOISTURE CONTENT AND DENSITY TEST RESULTS

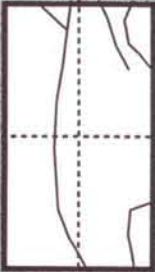
BOREHOLE		101	SAMPLE FAILURE SHAPES 
CORE RUN		C	
DEPTH		57.42-57.69	
SAMPLE DIAMETER	mm	99.46	
SAMPLE HEIGHT	mm	217.32	
WATER CONTENT	%	24.9	
DEGREE OF SATURATION	%	N/A	
STRESS RATE	kN/s	0.100	
TEST DURATION	min.sec	5.11	
DATE OF TESTING		3-Jun-08	
LOAD FRAME USED		Impact	
ORIENTATION OF LOADING		Axial	
FAILURE LOAD	kN	28.5	
UNIAXIAL COMPRESSIVE STRENGTH	MPa	3.7	

BOREHOLE		101	SAMPLE FAILURE SHAPES 
CORE RUN		C	
DEPTH		59.45-59.70	
SAMPLE DIAMETER	mm	99.70	
SAMPLE HEIGHT	mm	212.51	
WATER CONTENT	%	26.1	
DEGREE OF SATURATION	%	N/A	
STRESS RATE	kN/s	0.100	
TEST DURATION	min.sec	5.27	
DATE OF TESTING		3-Jun-08	
LOAD FRAME USED		Impact	
ORIENTATION OF LOADING		Axial	
FAILURE LOAD	kN	37.7	
UNIAXIAL COMPRESSIVE STRENGTH	MPa	4.8	

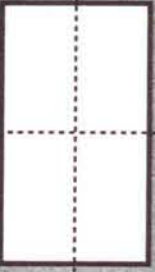
BOREHOLE		101	SAMPLE FAILURE SHAPES 
CORE RUN		C	
DEPTH		61.50-61.74	
SAMPLE DIAMETER	mm	98.64	
SAMPLE HEIGHT	mm	176.33	
WATER CONTENT	%	24.6	
DEGREE OF SATURATION	%	N/A	
STRESS RATE	kN/s	0.10	
TEST DURATION	min.sec	5.04	
DATE OF TESTING		3-Jun-08	
LOAD FRAME USED		Impact	
ORIENTATION OF LOADING		Axial	
FAILURE LOAD	kN	39.8	
UNIAXIAL COMPRESSIVE STRENGTH	MPa	5.2	

The above sample does not meet specified length / diameter ratio requirements
Tested in accordance with ASTM D2938 - 4.08

**SUMMARY OF UNIAXIAL COMPRESSIVE STRENGTH
OF ROCK MATERIALS**

BOREHOLE		101	SAMPLE FAILURE SHAPES   ExternalInternal
CORE RUN		C	
DEPTH		63.00-63.35	
SAMPLE DIAMETER	mm	100.71	
SAMPLE HEIGHT	mm	155.83	
WATER CONTENT	%	23.9	
DEGREE OF SATURATION	%	N/A	
STRESS RATE	kN/s	0.100	
TEST DURATION	min.sec	5.37	
DATE OF TESTING		3-Jun-08	
LOAD FRAME USED		Impact	
ORIENTATION OF LOADING		Axial	
FAILURE LOAD	kN	37.8	
UNIAXIAL COMPRESSIVE STRENGTH	MPa	4.7	

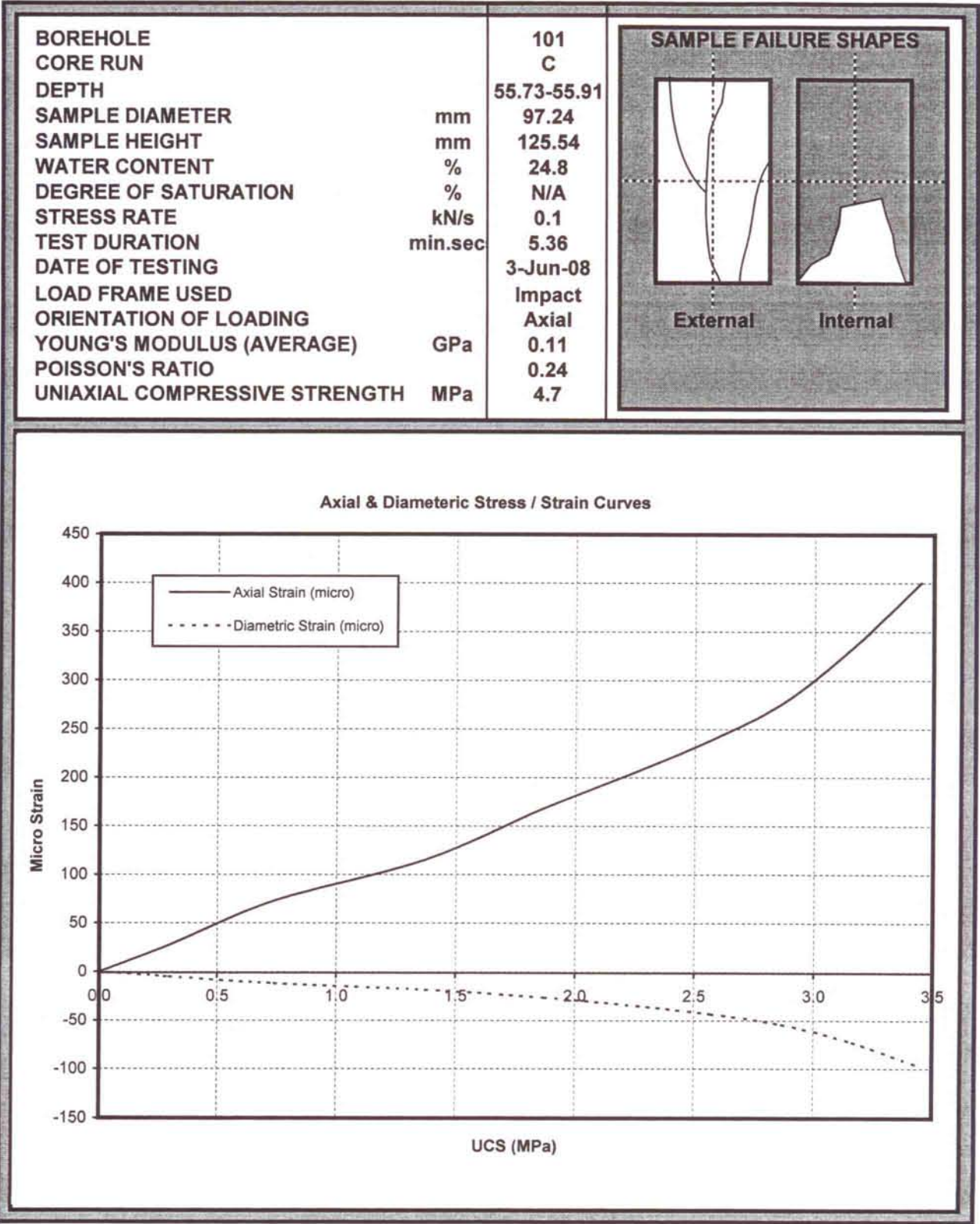
The above sample does not meet specified length / diameter ratio requirements

BOREHOLE			SAMPLE FAILURE SHAPES   ExternalInternal
CORE RUN			
DEPTH			
SAMPLE DIAMETER	mm		
SAMPLE HEIGHT	mm		
WATER CONTENT	%		
DEGREE OF SATURATION	%		
STRESS RATE	kN/s		
TEST DURATION	min.sec		
DATE OF TESTING			
LOAD FRAME USED			
ORIENTATION OF LOADING			
FAILURE LOAD	kN		
UNIAXIAL COMPRESSIVE STRENGTH	MPa		

BOREHOLE			SAMPLE FAILURE SHAPES   ExternalInternal
CORE RUN			
DEPTH			
SAMPLE DIAMETER	mm		
SAMPLE HEIGHT	mm		
WATER CONTENT	%		
DEGREE OF SATURATION	%		
STRESS RATE	kN/s		
TEST DURATION	min.sec		
DATE OF TESTING			
LOAD FRAME USED			
ORIENTATION OF LOADING			
FAILURE LOAD	kN		
UNIAXIAL COMPRESSIVE STRENGTH	MPa		

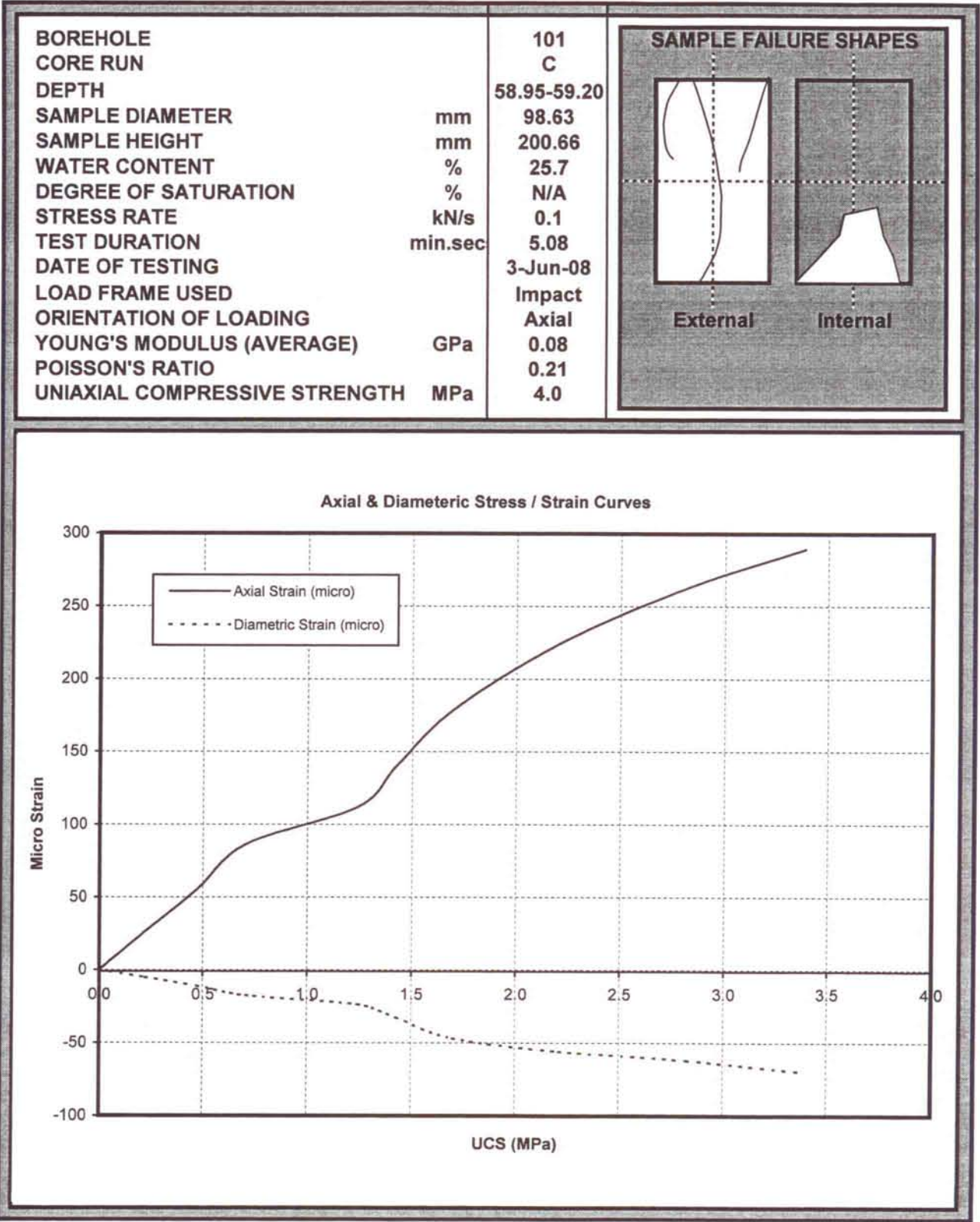
Tested in accordance with ASTM D2938 - 4.08

SUMMARY OF UNIAXIAL COMPRESSIVE STRENGTH
OF ROCK MATERIALS



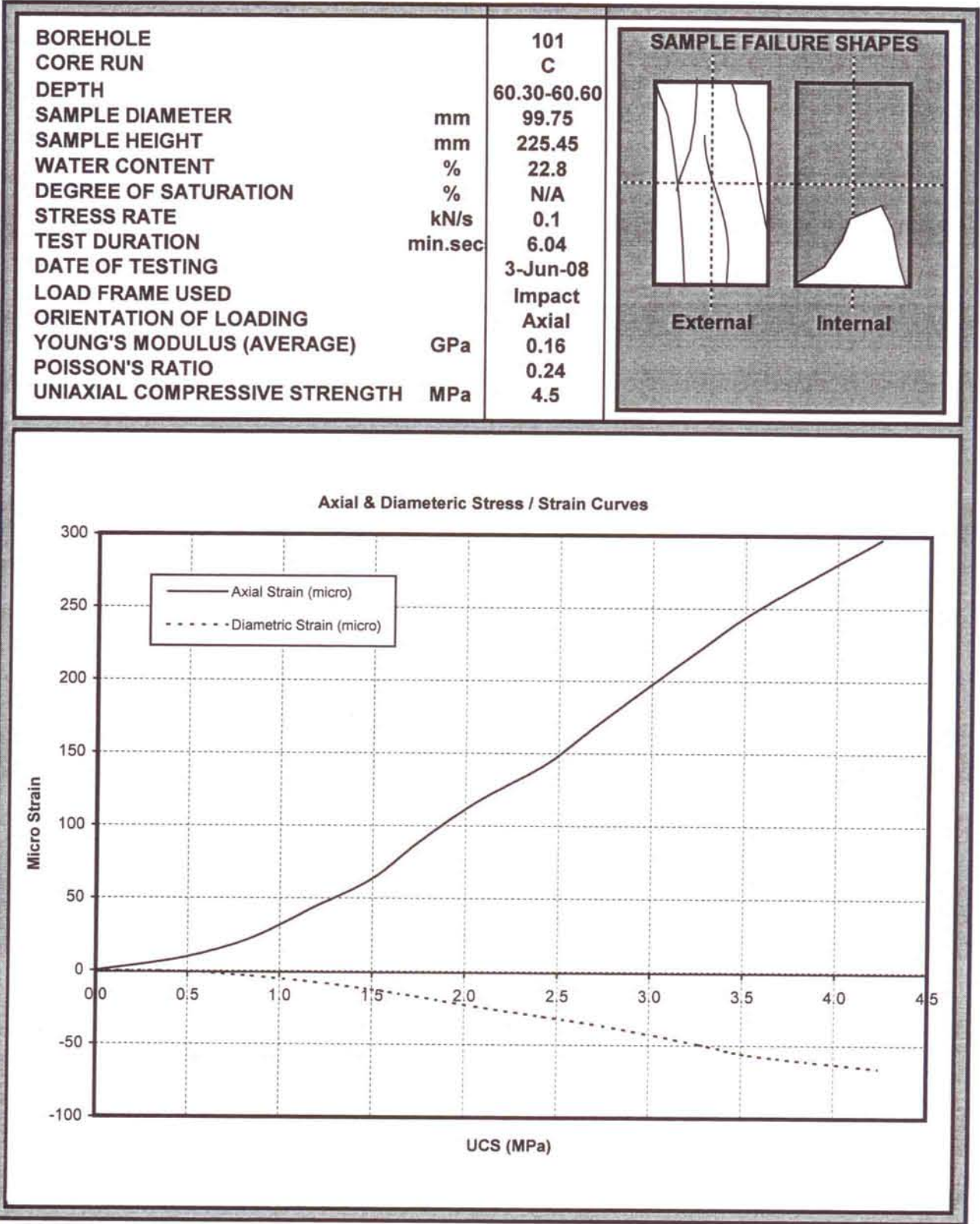
The above sample does not meet specified length / diameter ratio requirements.
Tested in accordance with ASTM D3148-96

SUMMARY OF UNIAXIAL COMPRESSIVE STRENGTH
WITH DETERMINATION OF DEFORMABILITY



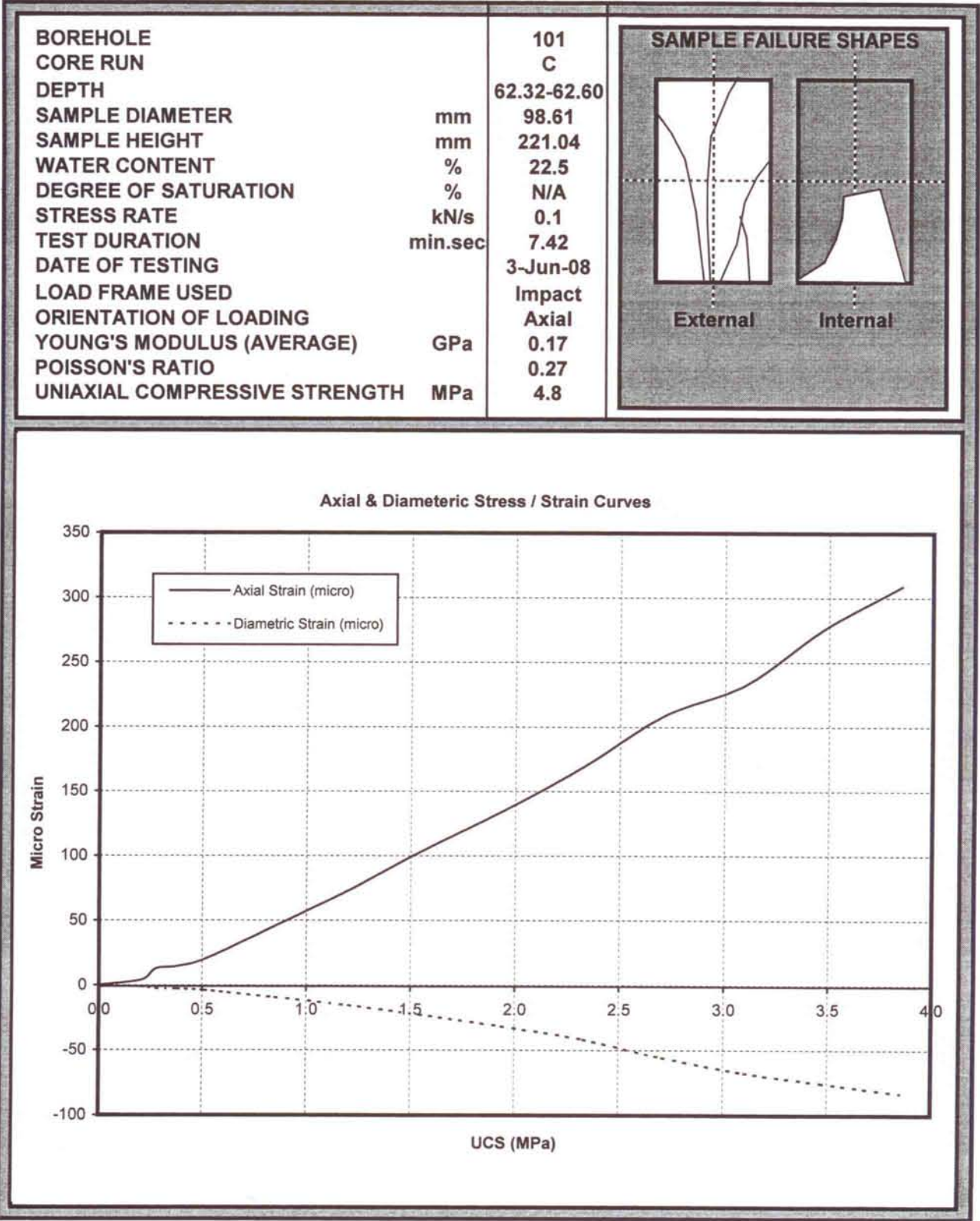
Tested in accordance with ASTM D3148-96

**SUMMARY OF UNIAXIAL COMPRESSIVE STRENGTH
WITH DETERMINATION OF DEFORMABILITY**



Tested in accordance with ASTM D3148-96

SUMMARY OF UNIAXIAL COMPRESSIVE STRENGTH
 WITH DETERMINATION OF DEFORMABILITY



Tested in accordance with ASTM D3148-96

SUMMARY OF UNIAXIAL COMPRESSIVE STRENGTH
 WITH DETERMINATION OF DEFORMABILITY

APPENDIX B7

Sulfate, pH, Organic Matter and Sulphur Analysis Test Results

(this appendix contains 11 pages, including this one)

ALcontrol Laboratories Analytical Services Sample Descriptions

Job Number: 08/07068/02/01

Client: Stats Ltd

Client Ref : 36237

Grain sizes

<0.063mm Very Fine

0.1mm - 0.063mm Fine

0.1mm - 2mm Medium

2mm - 10mm Coarse

>10mm Very Coarse

[illegible]

* These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials-whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

¹ Sample Description supplied by client

☒

11

- # ISO 17025 accredited
- ^M MCERTS accredited
- * Subcontracted test
- » Shown on prev. report

Client Contact: Julia Bota

[illegible]

Date 29.05.2008

Validated

Preliminary



ALcontrol Laboratories Analytical Services

ISO 17025 accredited

^M MCERTS accredited

* Subcontracted test

» Shown on prev. report

Job Number: 08/07068/02/01

Matrix: SOLID

Client: Stats Ltd

Location: DENMARK PLACE

Client Ref. No.: 36237

Client Contact: Julia Bota

[illegible]

All results expressed on a dry weight basis.

Date 29.05.2008