

SITE : Robroyston North. M505

Template: RS03

Job Number M-: 505
 Exp.Point :BH 5328
 DEPTH : 1.20 m.
 Description : Brown gravelly sandy clay

SPECIMEN/STAGE No : 1 2 3
 CELL PRESSURES = 100 200 400 kN/m²
 WEIGHT OF SPECIMEN = 3325 gms.
 DIAMETER OF SPECIMEN = 98 m.m.
 HEIGHT OF SPECIMEN = 203 m.m.
 WT.of WET SAMPLE + TIN = 822 gms.
 WT.of DRY SAMPLE + TIN = 714 gms.
 WT.of TIN = 42.4 gms.
 LOAD FACTOR = 39.1 N/Div.
 PRESSURE ZERO = 1 2 3 Div.

SPEC. / STAGE No : 1 2 3

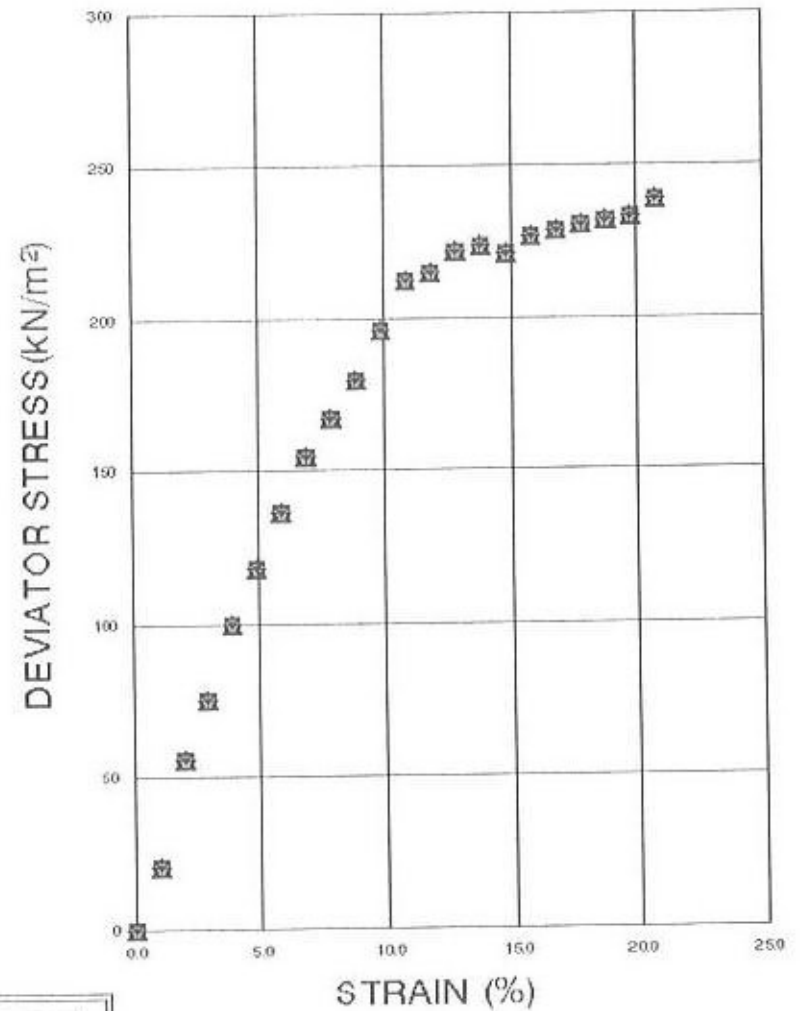
WATER CONT. = 16.2 % dry weight
 BULK DENSITY = 2.17 Mg/m³
 DRY DENSITY = 1.87 Mg/m³
 CELL PRESSURES = 100 200 400 kN/m²
 SHEAR STRENGTH = 84 106 119 kN/m²
 STRAIN at FAILURE = 8 11 21 %
 RATE of STRAIN = 2 2 2 %/min.
 MEMBRANE TYPE = Standard Latex - 0.5mm thick.

AVERAGE SHEAR STRENGTH = 103 kN/m²

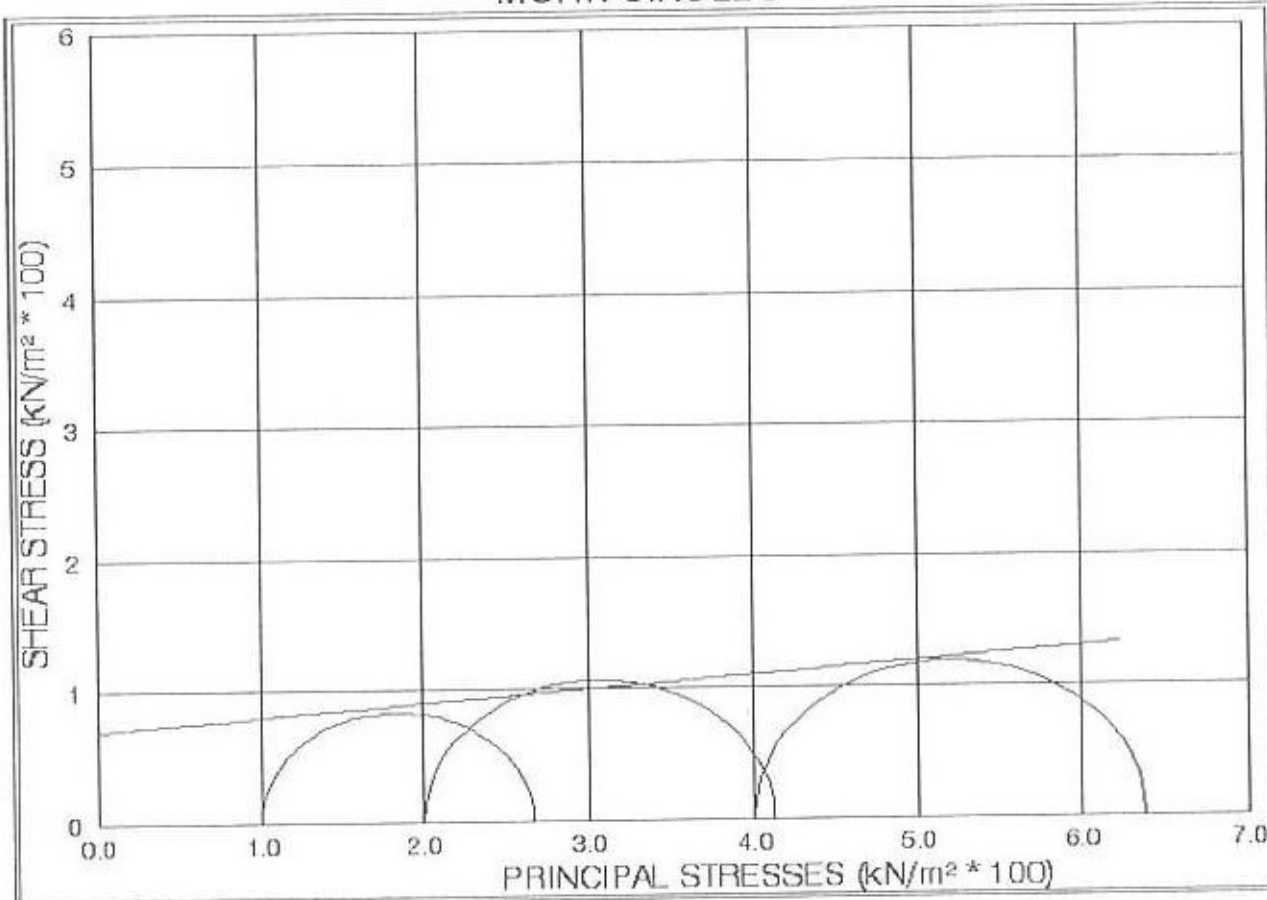
APPARENT COHESION = 69 kN/m²
 ANGLE of SHR. RESISTANCE = 6 Degrees

READ No	AREA cm ²	STRAIN %	STRAIN mm	PROVING RING DIAL Divs.	APPLIED LOAD kN	DEVIATOR STRESS kN/m ²
	75.43		0			
1	76.18	1.0	2	5	0.16	21
2	76.95	2.0	4	12	0.43	56
3	77.73	3.0	6	16	0.59	75
4	78.52	3.9	8	21	0.78	100
5	79.34	4.9	10	25	0.94	118
6	80.17	5.9	12	29	1.09	137
7	81.02	6.9	14	33	1.25	154
8	81.88	7.9	16	36	1.37	167
9	82.77	8.9	18	40	1.49	180
10	83.67	9.9	20	44	1.64	196
11	84.60	10.8	22	48	1.80	213
12	85.54	11.8	24	50	1.84	215
13	86.51	12.8	26	52	1.92	221
14	87.50	13.8	28	53	1.96	223
15	88.51	14.8	30	53	1.96	221
16	89.55	15.8	32	55	2.03	227
17	90.60	16.7	34	56	2.07	229
18	91.69	17.7	36	57	2.11	230
19	92.80	18.7	38	58	2.15	232
20	93.94	19.7	40	59	2.19	233
21	95.11	20.7	42	61	2.27	238

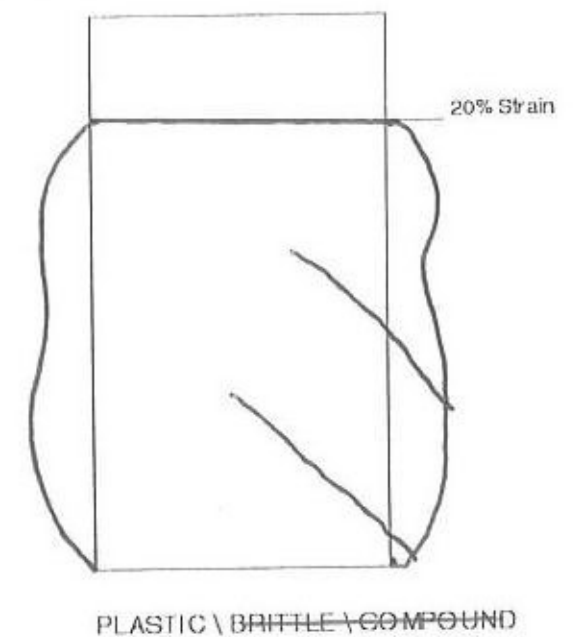
STRESS / STRAIN PLOT



MOHR CIRCLES



FAILURE



COMMENTS:
 Prepared by : Vertical Extrusion Remoulding.
 98mm Diameter Multi-stage test - (one specimen)

Aitken Laboratories Ltd, Castlehill House, Bank St, Slamnan, FK13EZ

Print Time: 10:17 AM Print Date: 09/03/2020

Originator	QUICK UNDRAINED TRIAXIAL COMPRESSION TEST in accordance with BS EN ISO 17892: Part8	Aitken Laboratories Limited
Checked & Approved		

SITE : Robroyston North. M505

Template: RS05

Job Number M-: 505
 Exp.Point : BH 328
 DEPTH : 3.00 m.
 Description : Grey gravelly sandy clay

SPECIMEN/STAGE No : 1 2 3
 CELL PRESSURES = 100 200 400 kN/m²
 WEIGHT OF SPECIMEN = 2389 gms.
 DIAMETER OF SPECIMEN = 83 m.m.
 HEIGHT OF SPECIMEN = 198 m.m.
 WT.of WET SAMPLE + TIN = 606 gms.
 WT.of DRY SAMPLE + TIN = 549 gms.
 WT.of TIN = 43 gms.
 LOAD FACTOR = 39.1 N/Div.
 PRESSURE ZERO = 1 2 3 Div.

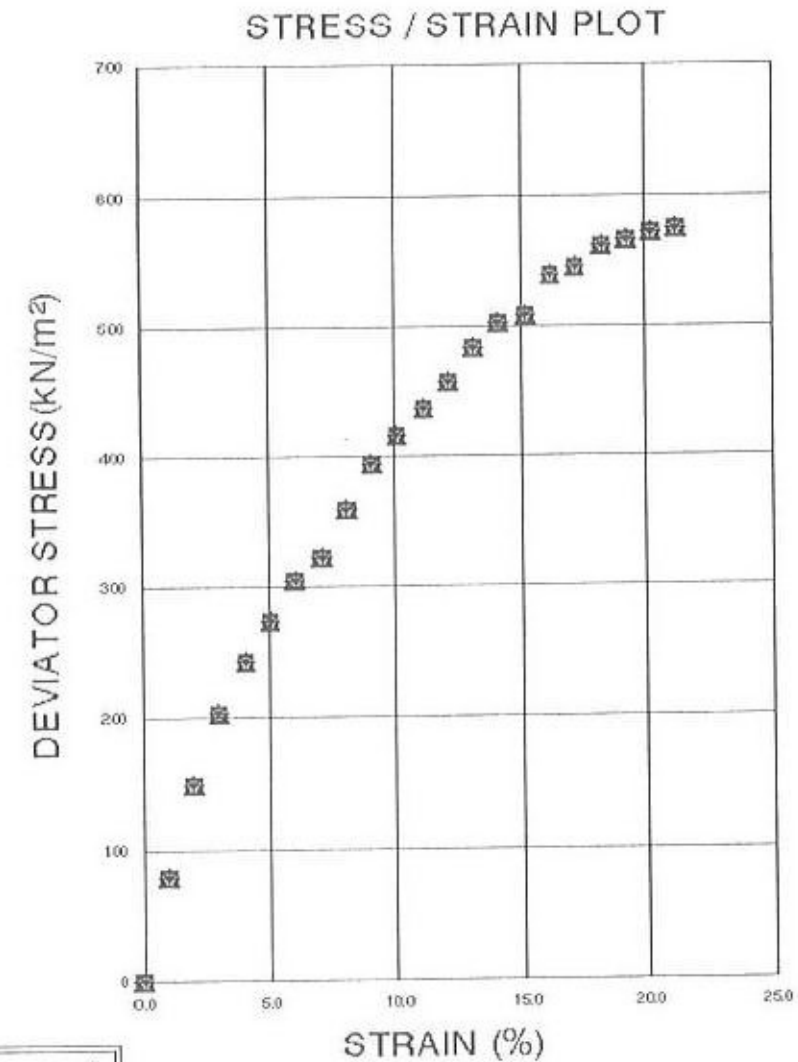
SPEC. / STAGE No : 1 2 3

WATER CONT. = 11.5 % dry weight
 BULK DENSITY = 2.23 Mg/m³
 DRY DENSITY = 2.00 Mg/m³
 CELL PRESSURES = 100 200 400 kN/m²
 SHEAR STRENGTH = 161 229 288 kN/m²
 STRAIN at FAILURE = 7 12 21 %
 RATE of STRAIN = 2 2 2 %/min.
 MEMBRANE TYPE = Standard Latex - 0.5mm. thick.

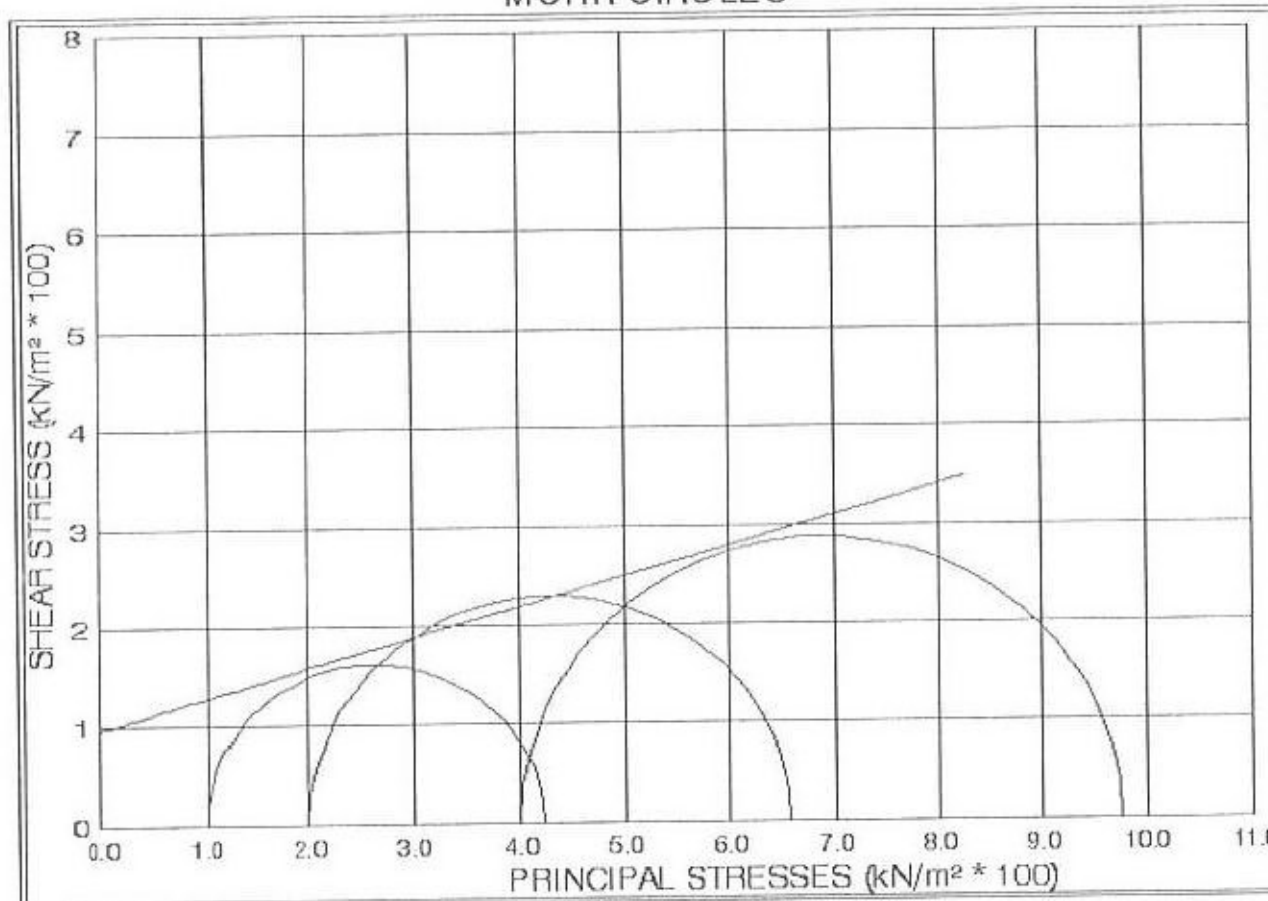
AVERAGE SHEAR STRENGTH = 226 kN/m²

APPARENT COHESION = 97 kN/m²
 ANGLE of SHR. RESISTANCE = 17 Degrees

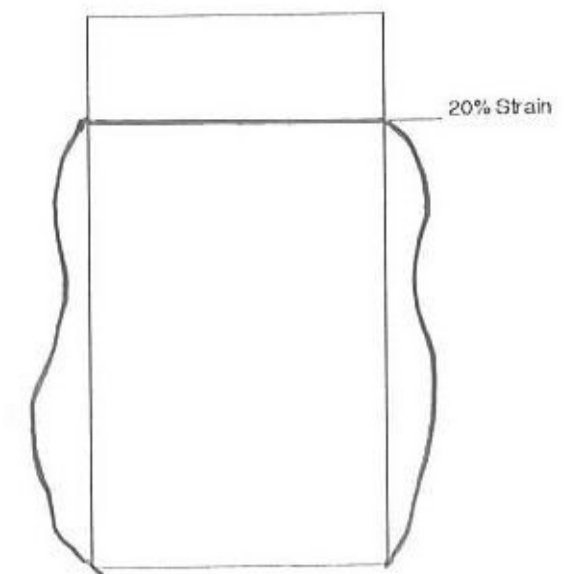
READ No	AREA cm ²	STRAIN %	STRAIN mm	PROVING RING DIAL Divs.	APPLIED LOAD kN	DEVIATOR STRESS kN/m ²
	54.11		0			
1	54.66	1.0	2	12	0.43	79
2	55.22	2.0	4	22	0.82	149
3	55.80	3.0	6	30	1.13	203
4	56.38	4.0	8	36	1.37	243
5	56.98	5.1	10	41	1.56	274
6	57.60	6.1	12	46	1.76	305
7	58.22	7.1	14	49	1.88	322
8	58.86	8.1	16	56	2.11	359
9	59.52	9.1	18	62	2.35	394
10	60.19	10.1	20	66	2.50	416
11	60.87	11.1	22	70	2.66	437
12	61.57	12.1	24	74	2.82	457
13	62.28	13.1	26	80	3.01	483
14	63.02	14.1	28	84	3.17	503
15	63.77	15.2	30	86	3.25	509
16	64.54	16.2	32	92	3.48	539
17	65.32	17.2	34	94	3.56	545
18	66.13	18.2	36	98	3.71	562
19	66.96	19.2	38	100	3.79	566
20	67.80	20.2	40	102	3.87	571
21	68.67	21.2	42	104	3.95	575



MOHR CIRCLES



FAILURE



PLASTIC \ BRITTLE \ COMPOUND

COMMENTS:

Prepared by: Vertical Extrusion \ Remoulding.
 83mm Diameter Multi-stage test - (one specimen)

Aitken Laboratories Ltd, Castlehill House, Bank St, Slamanan, FK13EZ

Print Date: 09/03/2020

Print Time: 10:57 AM

Originator: [Redacted]

Checked & Approved: [Redacted]

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST
 in accordance with
 BS EN ISO 17892: Part8

Robroyston North. M505

**Aitken
 Laboratories
 Limited**

SITE : Robroyston North. M505

Template: RS03

Job Number M-: 505
 Exp.Point : BHS329
 DEPTH : 3.00 m.
 Description : Grey gravelly sandy clay

SPECIMEN/STAGE No : 1 2 3
 CELL PRESSURES = 100 200 400 kN/m²
 WEIGHT OF SPECIMEN = 2324 gms.
 DIAMETER OF SPECIMEN = 84 m.m.
 HEIGHT OF SPECIMEN = 197 m.m.
 WT.of WET SAMPLE + TIN = 548 gms.
 WT.of DRY SAMPLE + TIN = 495 gms.
 WT.of TIN = 42.8 gms.
 LOAD FACTOR = 39.1 N/Div.
 PRESSURE ZERO = 1 2 3 Div.

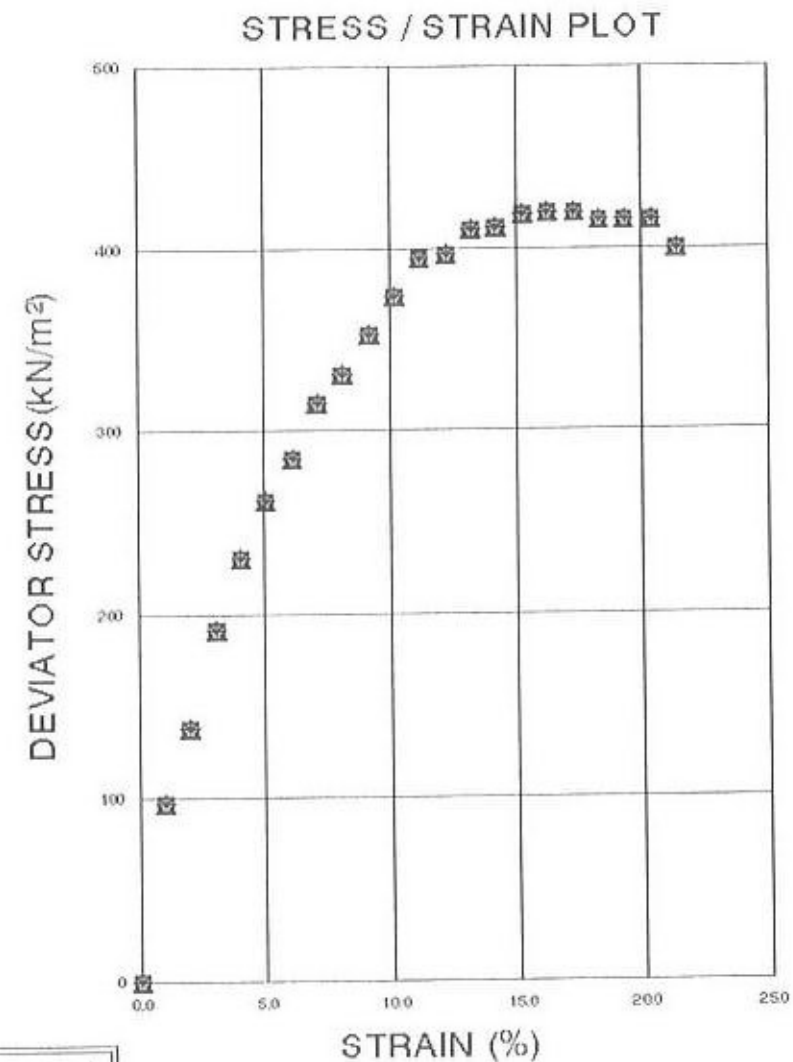
SPEC. / STAGE No : 1 2 3

WATER CONT. = 11.8 % dry weight
 BULK DENSITY = 2.13 Mg/m³
 DRY DENSITY = 1.90 Mg/m³
 CELL PRESSURES = 100 200 400 kN/m²
 SHEAR STRENGTH = 157 197 210 kN/m²
 STRAIN at FAILURE = 7 11 17 %
 RATE of STRAIN = 2 2 2 %/min.
 MEMBRANE TYPE = Standard Latex - 0.5mm. thick.

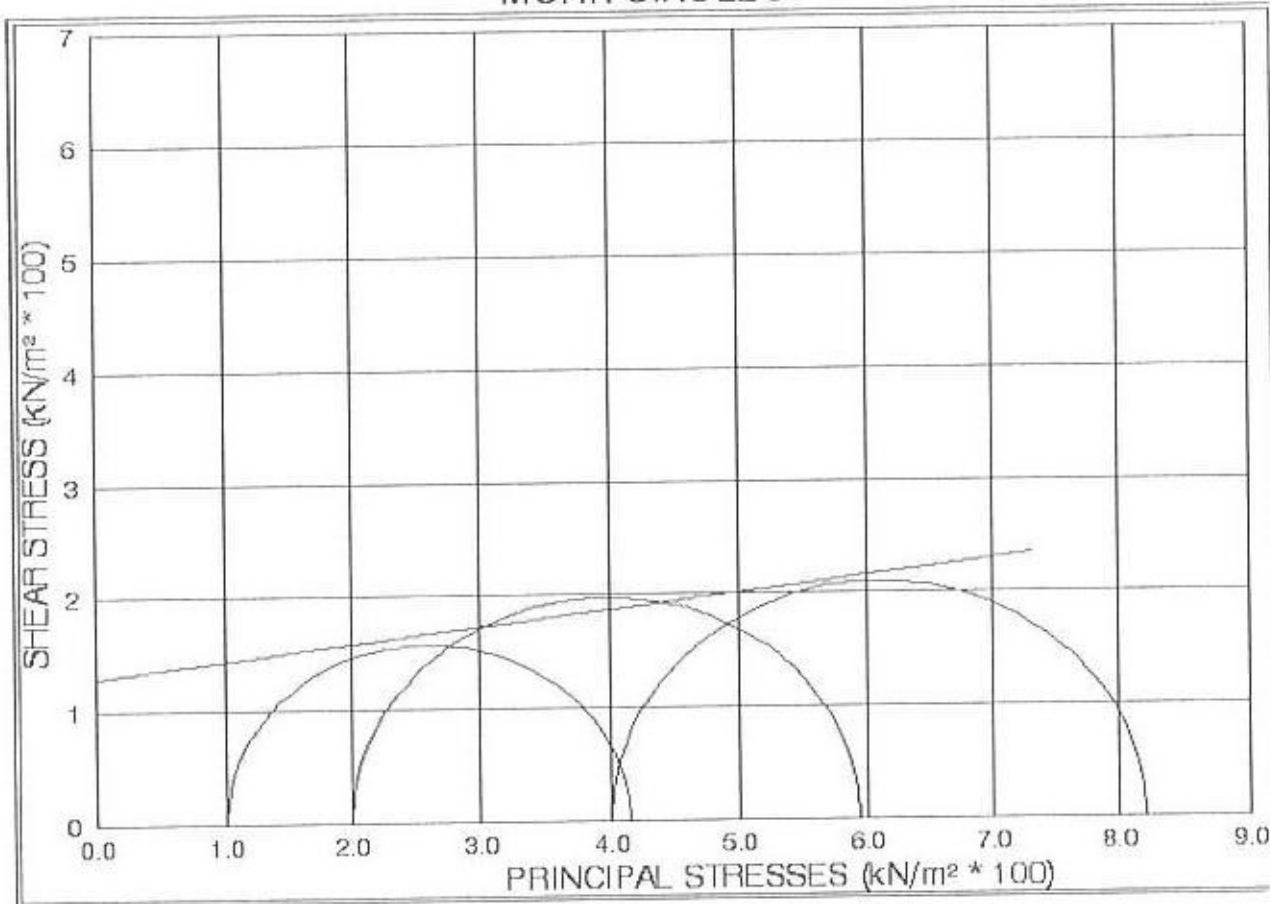
AVERAGE SHEAR STRENGTH = 188 kN/m²

APPARENT COHESION = 130 kN/m²
 ANGLE of SHR. RESISTANCE = 8 Degrees

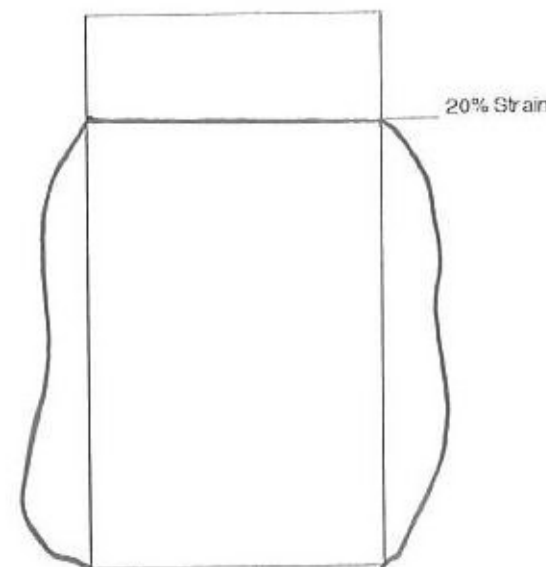
READ No	AREA cm ²	STRAIN %	STRAIN mm	PROVING RING DIAL Divs.	APPLIED LOAD kN	DEVIATOR STRESS kN/m ²
	55.42		0			
1	55.99	1.0	2	15	0.55	98
2	56.57	2.0	4	21	0.78	138
3	57.16	3.0	6	29	1.09	192
4	57.76	4.1	8	35	1.33	230
5	58.38	5.1	10	40	1.52	261
6	59.01	6.1	12	44	1.68	285
7	59.66	7.1	14	49	1.88	315
8	60.32	8.1	16	53	1.99	331
9	60.99	9.1	18	57	2.15	353
10	61.68	10.2	20	61	2.31	374
11	62.38	11.2	22	65	2.46	395
12	63.11	12.2	24	67	2.50	397
13	63.84	13.2	26	70	2.62	410
14	64.60	14.2	28	71	2.66	412
15	65.37	15.2	30	73	2.74	419
16	66.17	16.2	32	74	2.78	420
17	66.98	17.3	34	75	2.82	420
18	67.81	18.3	36	75	2.82	415
19	68.66	19.3	38	76	2.85	416
20	69.54	20.3	40	77	2.89	416
21	70.43	21.3	42	75	2.82	400



MOHR CIRCLES



FAILURE



PLASTIC \ BRITTLE \ COMPOUND

COMMENTS:

Prepared by : Vertical Extrusion \ Remoulding.
 84mm Diameter Multi-stage test - (one specimen)

Aitken Laboratories Ltd, Castlehill House, Bank St, Slammanan, FK13EZ

Print Date: 09/03/2020

Print Time: 10:55 AM

Originator [Redacted]

Checked & Approved [Redacted]

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST
 in accordance with
 BS EN ISO 17892: Part8

Robroyston North. M505

**Aitken
 Laboratories
 Limited**

SITE : Robroyston North. M505

Template: RS05

Job Number M-: 505
 Exp.Point : BHS330
 DEPTH: 1.20 m.
 Description : Mottled brown gravelly sandy clay

SPEC. / STAGE No: 1 2 3

WATER CONT. = 20.4 % dry weight
 BULK DENSITY = 2.04 Mg/m³
 DRY DENSITY = 1.70 Mg/m³
 CELL PRESSURES = 100 200 400 kN/m²
 SHEAR STRENGTH = 35 70 113 kN/m²
 STRAIN at FAILURE = 3 7 21 %
 RATE of STRAIN = 2 2 2 %/min.
 MEMBRANE TYPE = Standard Latex - 0.5mm. thick.

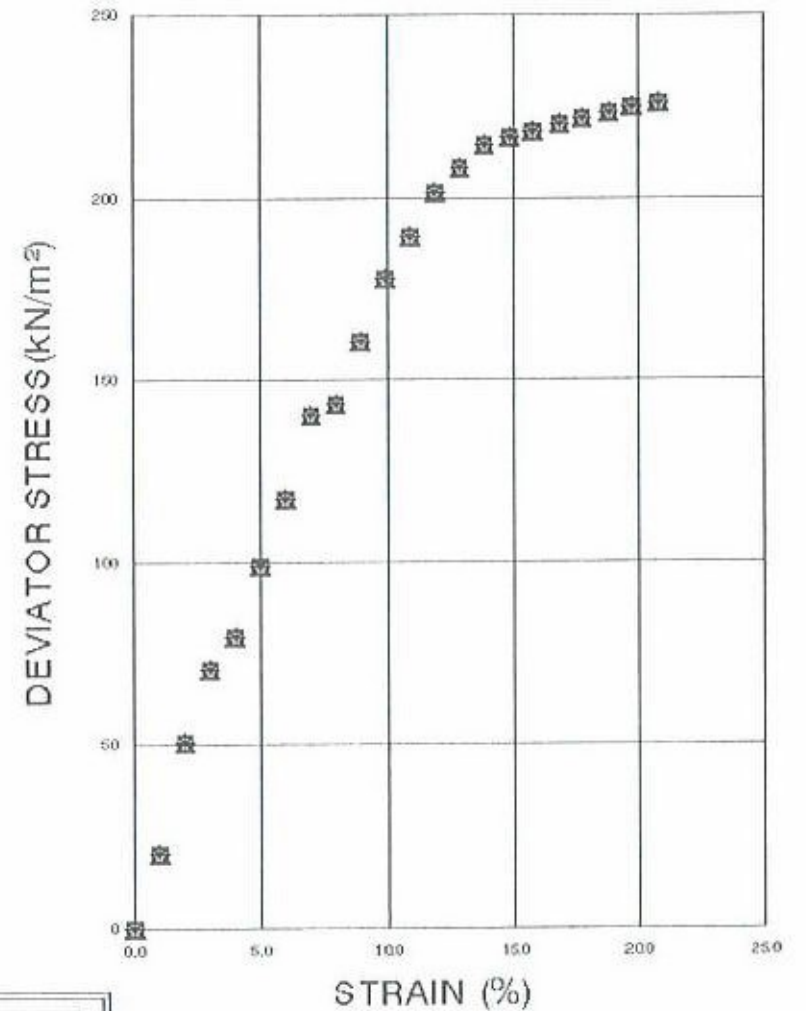
SPECIMEN/STAGE No: 1 2 3
 CELL PRESSURES = 100 200 400 kN/m²
 WEIGHT OF SPECIMEN = 3114 gms.
 DIAMETER OF SPECIMEN = 97.9 m.m.
 HEIGHT OF SPECIMEN = 202 m.m.
 WT.of WET SAMPLE + TIN = 670 gms.
 WT.of DRY SAMPLE + TIN = 564 gms.
 WT.of TIN = 42.6 gms.
 LOAD FACTOR = 39.1 N/Div.
 PRESSURE ZERO = 1 2 3 Div.

AVERAGE SHEAR STRENGTH = 73 kN/m²

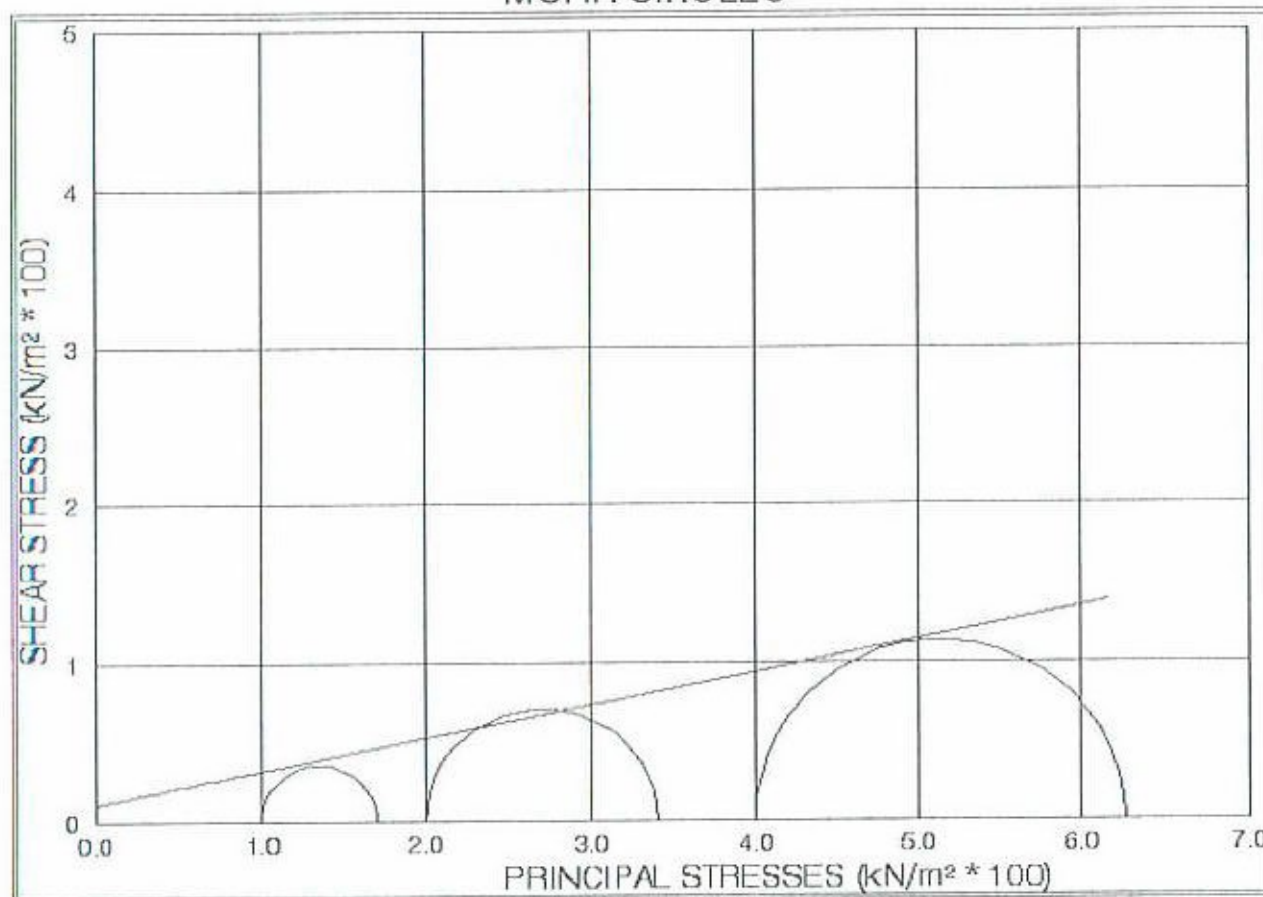
APPARENT COHESION = 11 kN/m²
 ANGLE of SHR. RESISTANCE = 12 Degrees

READ No	AREA cm ²	STRAIN %	STRAIN mm	PROVING RING DIAL Divs.	APPLIED LOAD kN	DEVIATOR STRESS kN/m ²
	75.32		0			
1	76.07	1.0	2	5	0.16	21
2	76.84	2.0	4	11	0.39	51
3	77.62	3.0	6	15	0.55	71
4	78.42	4.0	8	18	0.63	80
5	79.24	4.9	10	22	0.78	99
6	80.07	5.9	12	26	0.94	117
7	80.92	6.9	14	31	1.13	140
8	81.79	7.9	16		1.17	143
9	82.68	8.9	18	33	1.33	161
10	83.58	9.9	20	37	1.49	178
11	84.51	10.9	22	41	1.60	190
12	85.46	11.9	24	44	1.72	201
13	86.43	12.9	26	47	1.80	208
14	87.42	13.8	28	49	1.88	215
15	88.44	14.8	30	51	1.92	217
16	89.47	15.8	32	52	1.96	218
17	90.54	16.8	34	53	1.99	220
18	91.63	17.8	36	54	2.03	222
19	92.74	18.8	38	55	2.07	223
20	93.88	19.8	40	56	2.11	225
21	95.06	20.8	42	57	2.15	226

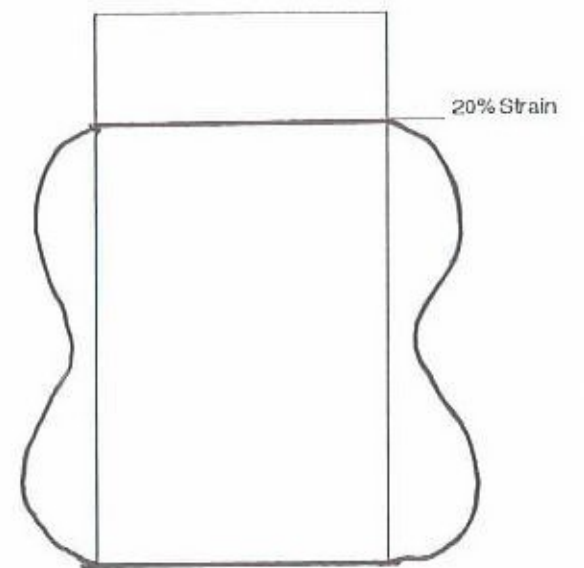
STRESS / STRAIN PLOT



MOHR CIRCLES



FAILURE



COMMENTS:

Prepared by : Vertical Extrusion \ Remoulding.
 98mm Diameter Multi-stage test - (one specimen)

Aitken Laboratories Ltd, Castlehill House, Bank St, Slamanan, FK13EZ

Print Date: 06/05/2020

Print Time: 09:19 AM

Originator
 Checked
 Approved

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST
 in accordance with
 BS EN ISO 17892: Part8

Robroyston North. M505

**Aitken
 Laboratories
 Limited**

SITE : Robroyston North. M505

Templater: BS03

Job Number M-: 505
 Exp. Point: BHS330A
 DEPTH: 3.00 m.
 Description: Grey gravelly sandy clay

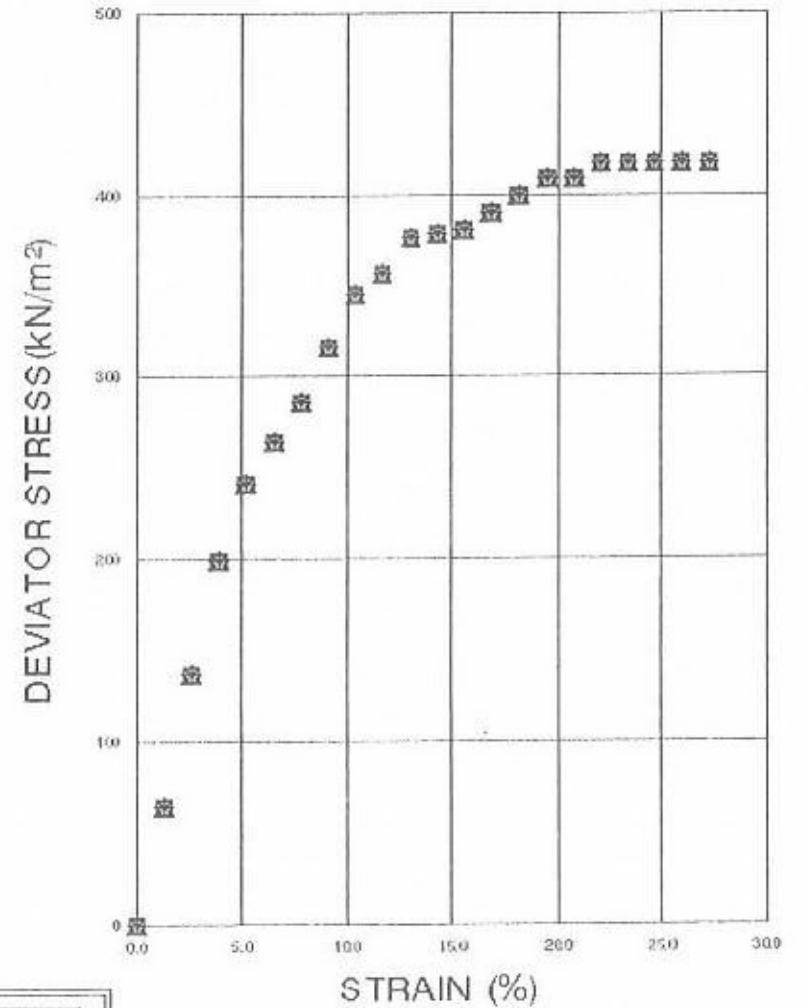
SPECIMEN/STAGE No: 1 2 3
 CELL PRESSURES = 100 200 400 kN/m²
 WEIGHT OF SPECIMEN = 1393 gms.
 DIAMETER OF SPECIMEN = 72.8 m.m.
 HEIGHT OF SPECIMEN = 154 m.m.
 WT. of WET SAMPLE + TIN = 630 gms.
 WT. of DRY SAMPLE + TIN = 570 gms.
 WT. of TIN = 42.6 gms.
 LOAD FACTOR = 39.1 N/Div.
 PRESSURE ZERO = 1 2 3 Div.

SPEC. / STAGE No: 1 2 3

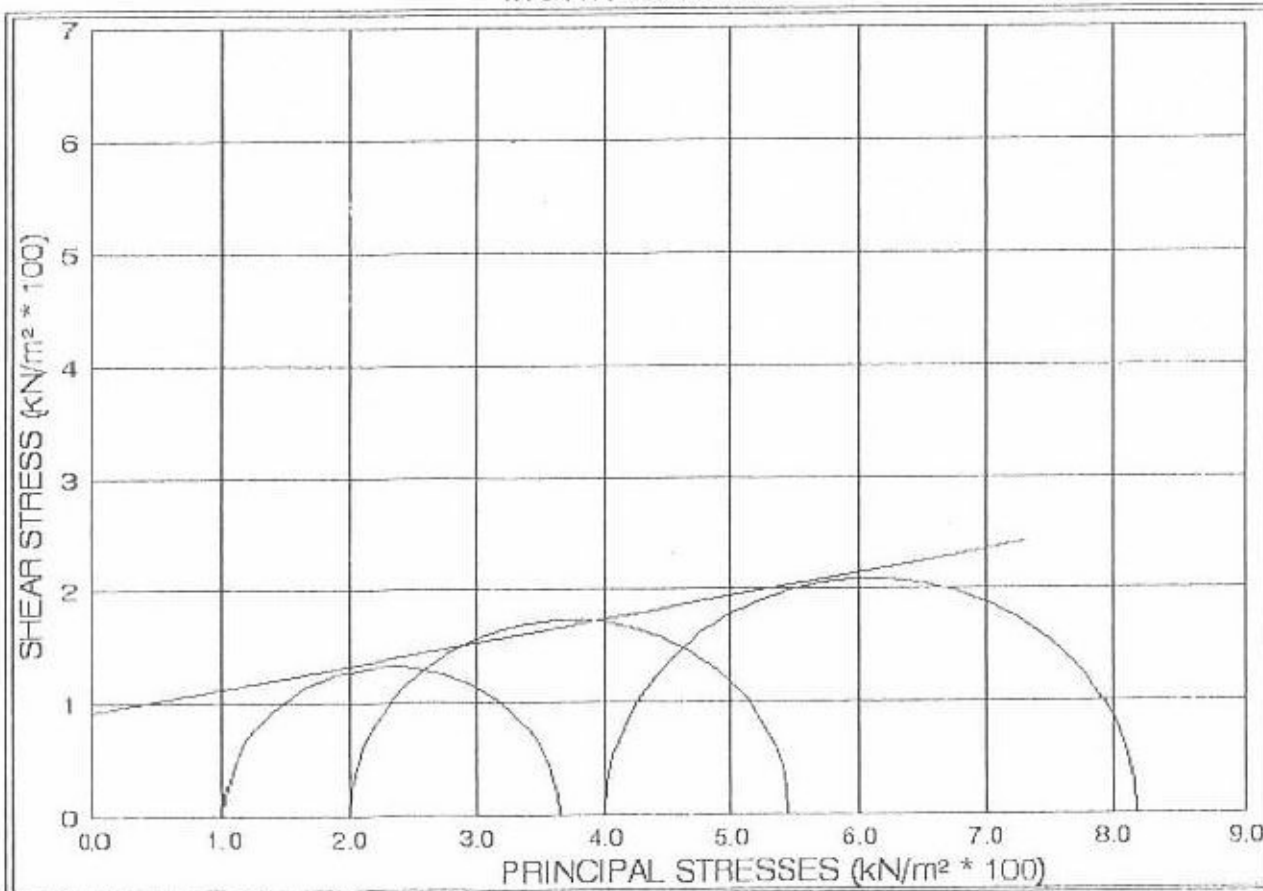
WATER CONT. = 11.3 % dry weight
 BULK DENSITY = 2.17 Mg/m³
 DRY DENSITY = 1.95 Mg/m³
 CELL PRESSURES = 100 200 400 kN/m²
 SHEAR STRENGTH = 132 173 209 kN/m²
 STRAIN at FAILURE = 6 10 25 %
 RATE of STRAIN = 2 2 2 %/min.
 MEMBRANE TYPE = Standard Latex - 0.5mm. thick.
 AVERAGE SHEAR STRENGTH = 171 kN/m²
 APPARENT COHESION = 92 kN/m²
 ANGLE of SHR. RESISTANCE = 11 Degrees

READ No	AREA cm ²	STRAIN %	STRAIN m.m	PROVING RING DIAL Divs.	APPLIED LOAD kN	DEVIATOR STRESS kN/m ²
	41.59		0			
1	42.14	1.3	2	8	0.27	65
2	42.70	2.6	4	16	0.59	137
3	43.27	3.9	6	23	0.86	199
4	43.86	5.2	8	28	1.06	241
5	44.47	6.5	10	31	1.17	264
6	45.10	7.8	12	35	1.29	286
7	45.74	9.1	14	39	1.45	316
8	46.40	10.4	16	43	1.60	345
9	47.08	11.7	18	46	1.68	357
10	47.78	13.0	20	49	1.80	376
11	48.50	14.3	22	50	1.84	379
12	49.25	15.6	24	51	1.88	381
13	50.02	16.8	26	53	1.96	391
14	50.81	18.1	28	55	2.03	400
15	51.63	19.4	30	57	2.11	409
16	52.47	20.7	32	58	2.15	410
17	53.34	22.0	34	60	2.23	418
18	54.24	23.3	36	61	2.27	418
19	55.18	24.6	38	62	2.31	418
20	56.14	25.9	40	63	2.35	418
21	57.14	27.2	42	64	2.39	417

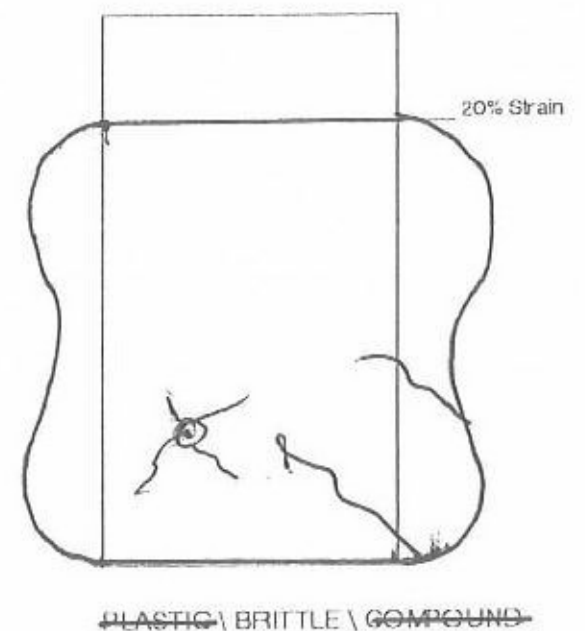
STRESS / STRAIN PLOT



MOHR CIRCLES



FAILURE



COMMENTS:

Prepared by: Vertical Extrusion \ Remoulding.
 73mm Diameter Multi-stage test - (one specimen)

Aitken Laboratories Ltd, Castlehill House, Bank St, Slammanan, FK1 3EZ

Print Time: 10:10 AM Print Date: 15/03/2020

Originator

Checked & Approved

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST
 in accordance with
 BS EN ISO 17892: Part 8

Robroyston North. M505

**Aitken
 Laboratories
 Limited**

SITE : Robroyston North. M505

Template: RS05

Job Number M-: 505
 Exp. Point : BHS231
 DEPTH : 1.20 m.
 Description : Grey gravelly sandy clay

SPECIMEN/STAGE No : 1 2 3
 CELL PRESSURES = 100 200 400 kN/m²
 WEIGHT OF SPECIMEN = 3209 gms.
 DIAMETER OF SPECIMEN = 102 m.m.
 HEIGHT OF SPECIMEN = 202 m.m.
 WT. of WET SAMPLE + TIN = 592 gms.
 WT. of DRY SAMPLE + TIN = 515 gms.
 WT. of TIN = 42.4 gms.
 LOAD FACTOR = 39.1 N/Div.
 PRESSURE ZERO = 1 2 3 Div.

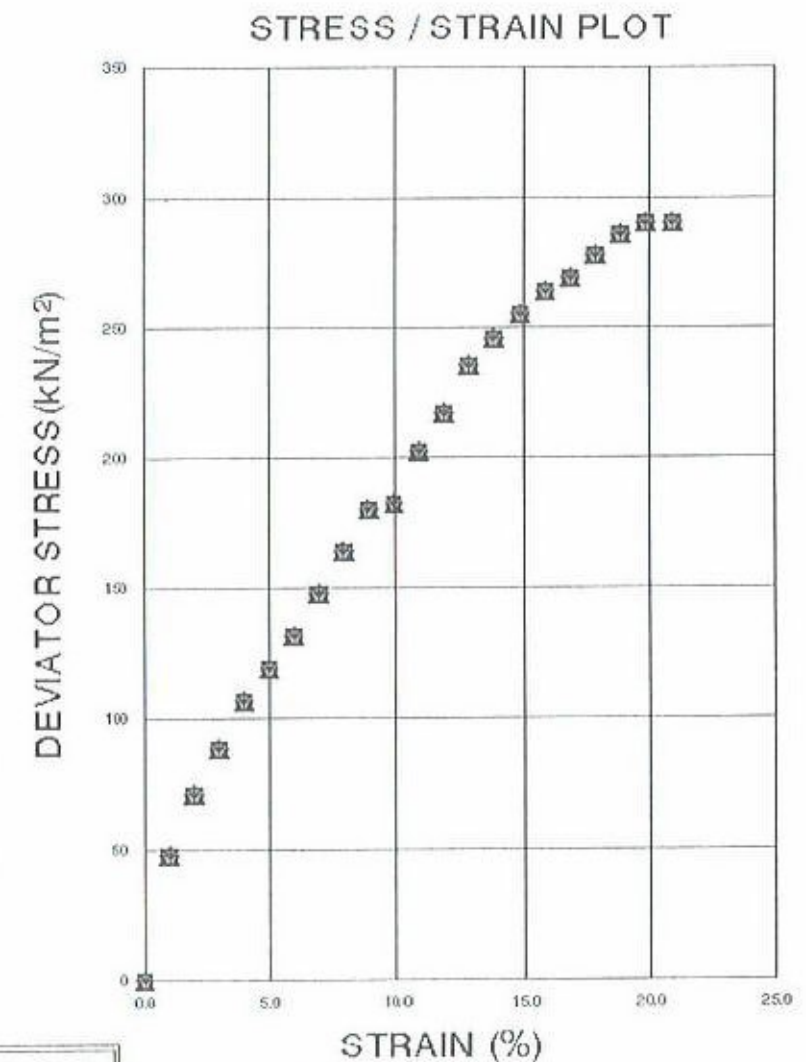
SPEC. / STAGE No : 1 2 3

WATER CONT. = 16.2 % dry weight
 BULK DENSITY = 1.97 Mg/m³
 DRY DENSITY = 1.69 Mg/m³
 CELL PRESSURES = 100 200 400 kN/m²
 SHEAR STRENGTH = 60 90 145 kN/m²
 STRAIN at FAILURE = 5 9 21 %
 RATE of STRAIN = 2 2 2 %/min.
 MEMBRANE TYPE = Standard Latex - 0.5mm. thick.

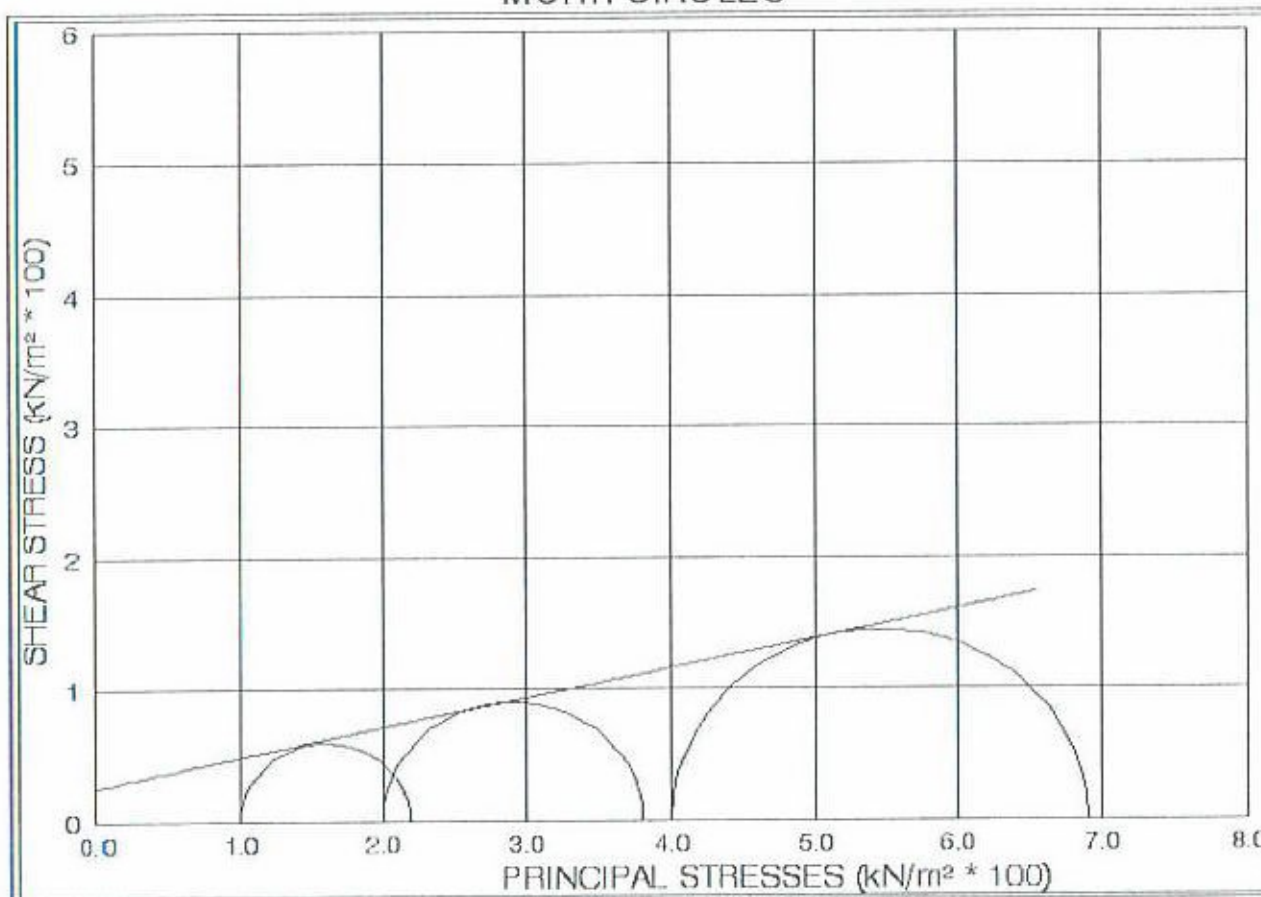
AVERAGE SHEAR STRENGTH = 98 kN/m²

APPARENT COHESION = 26 kN/m²
 ANGLE of SHR. RESISTANCE = 13 Degrees

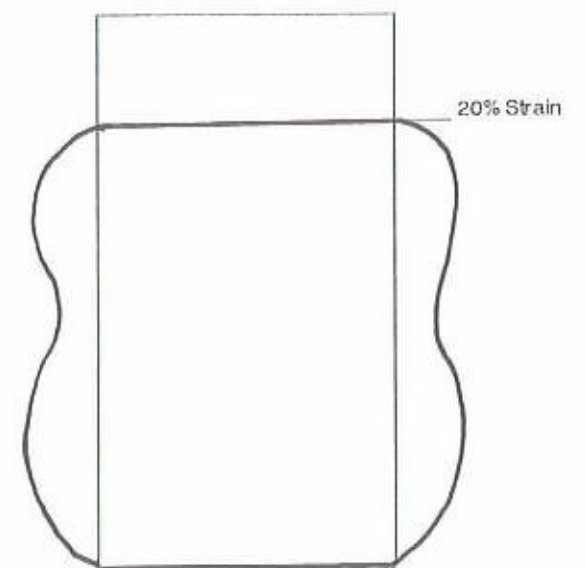
READ No	AREA cm ²	STRAIN %	STRAIN mm	PROVING RING DIAL Divs.	APPLIED LOAD kN	DEVIATOR STRESS kN/m ²
	8101		0			
1	8182	1.0	2	11	0.39	48
2	8265	2.0	4	16	0.59	71
3	8350	3.0	6	20	0.74	89
4	8436	4.0	8	24	0.90	107
5	8524	5.0	10	27	1.02	119
6	8614	6.0	12	31	1.13	132
7	8706	6.9	14	35	1.29	148
8	8800	7.9	16	39	1.45	164
9	8895	8.9	18	43	1.60	180
10	8993	9.9	20	45	1.64	183
11	9094	10.9	22	50	1.84	202
12	9196	11.9	24	54	1.99	217
13	9301	12.9	26	59	2.19	235
14	9408	13.9	28	62	2.31	245
15	9518	14.9	30	65	2.42	255
16	9630	15.9	32	68	2.54	264
17	9745	16.9	34	70	2.62	269
18	9863	17.9	36	73	2.74	278
19	9983	18.9	38	76	2.85	286
20	10107	19.8	40	78	2.93	290
21	10234	20.8	42	79	2.97	290



MOHR CIRCLES



FAILURE



PLASTIC \ BRITTLE \ COMPOUND

COMMENTS:

Prepared by : Vertical Extrusion \ Remoulding
 102mm Diameter Multi-stage test- (one specimen)

Aitken Laboratories Ltd, Castlehill House, Bank St, Sarnan, FK1 3EZ

Print Date: 06/03/2020

Print Time: 09:22 AM

Originator	[REDACTED]	QUICK UNDRAINED TRIAXIAL COMPRESSION TEST in accordance with BS EN ISO 17892: Part8	Aitken Laboratories Limited
Checked & Approved		Robroyston North. M505	

SITE : Robroyston North. M505

Template: RS03

Job Number M-: 505
 Exp.Point : BH\$331
 DEPTH : 3.00 m.
 Description : Grey gravelly sandy clay

SPECIMEN/STAGE No : 1 2 3
 CELL PRESSURES = 100 200 400 kN/m²
 WEIGHT OF SPECIMEN = 2482 gms.
 DIAMETER OF SPECIMEN = 84 m.m.
 HEIGHT OF SPECIMEN = 198 m.m.
 WT.of WET SAMPLE + TIN = 646 gms.
 WT.of DRY SAMPLE + TIN = 589 gms.
 WT.of TIN = 41.7 gms.
 LOAD FACTOR = 39.1 N/Div.
 PRESSURE ZERO = 1 2 3 Div.

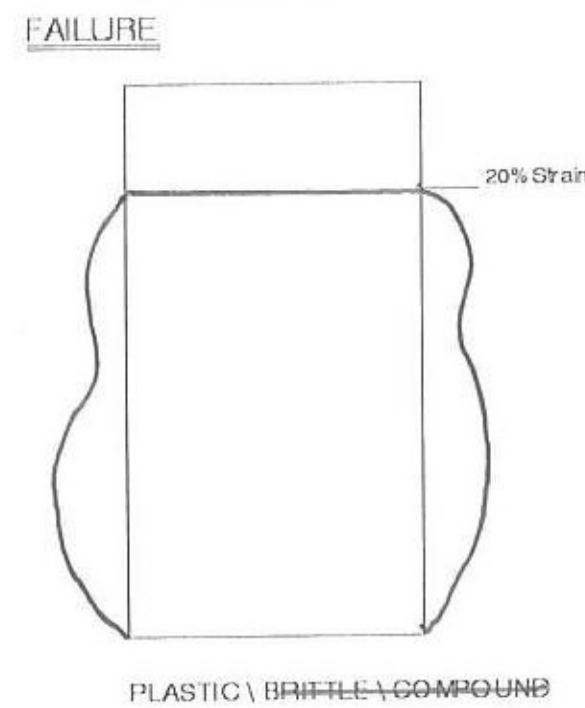
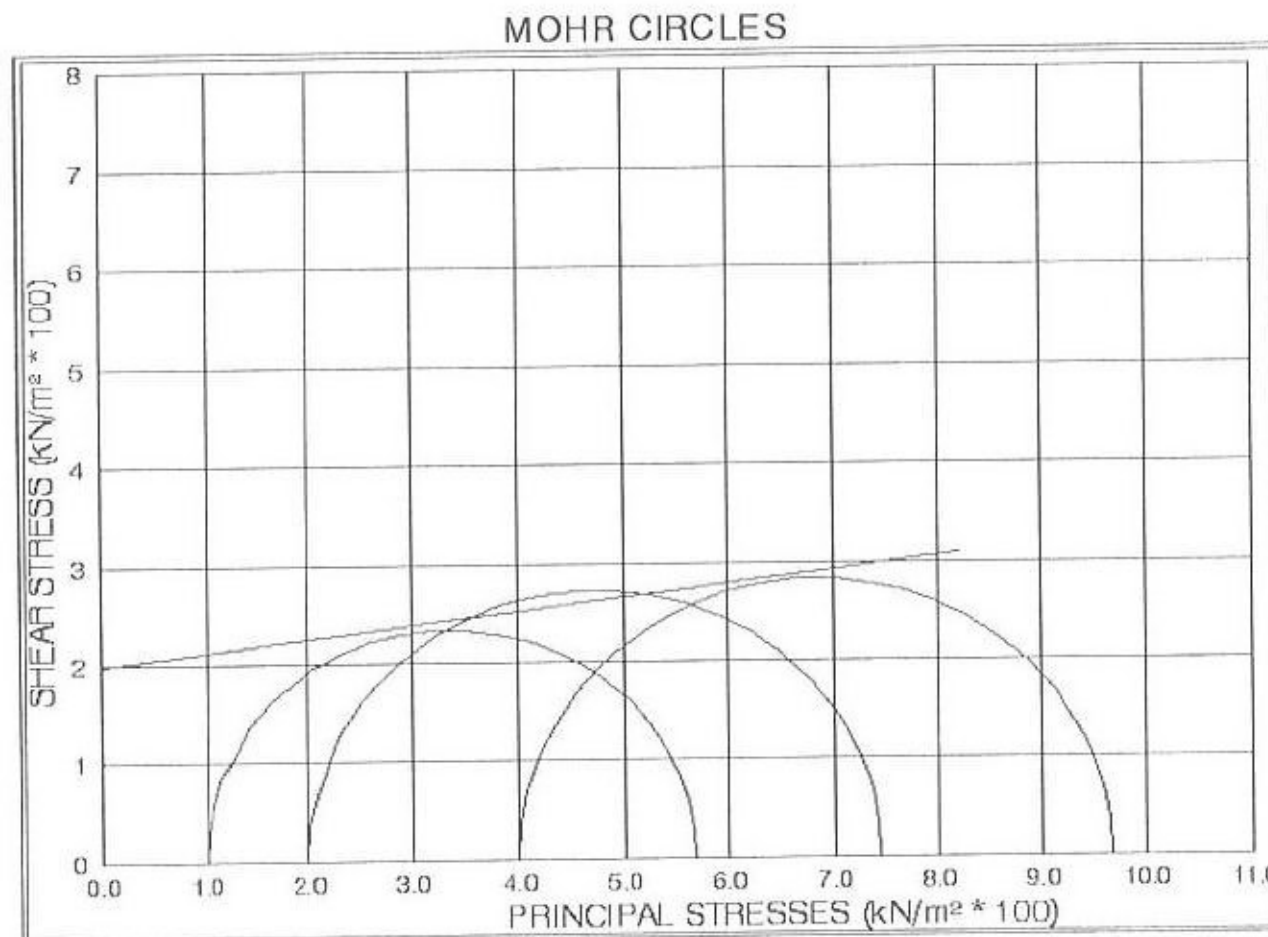
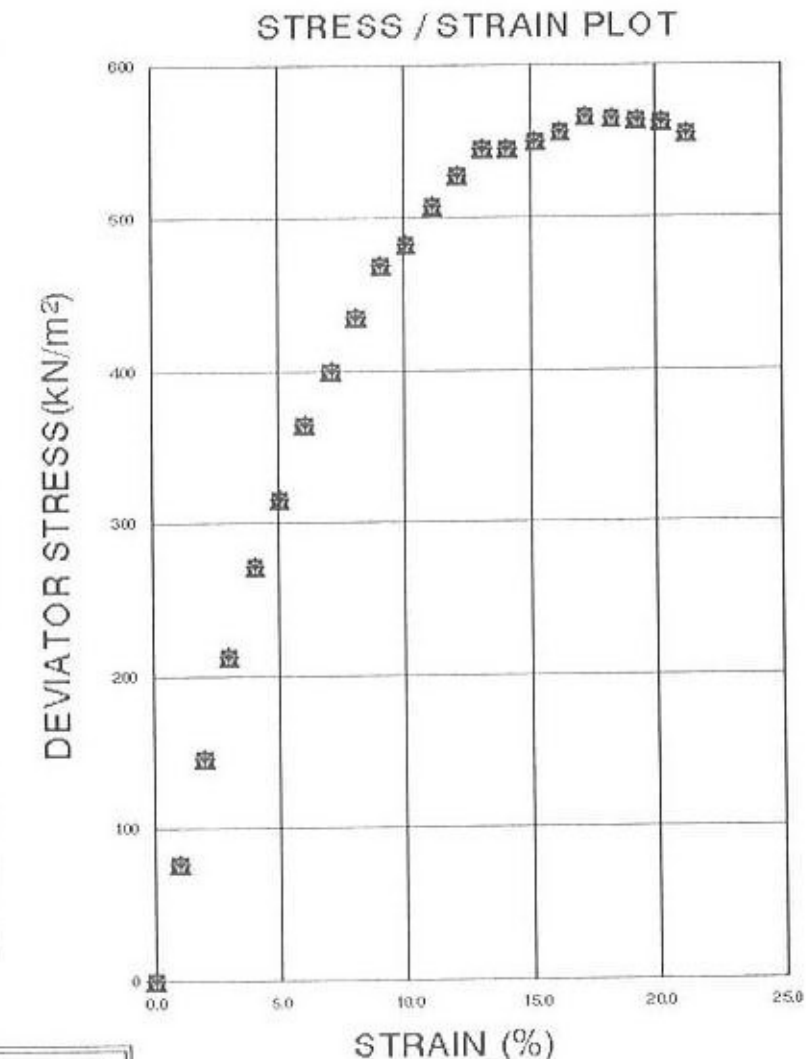
SPEC. / STAGE No : 1 2 3

WATER CONT. = 10.5 % dry weight
 BULK DENSITY = 2.26 Mg/m³
 DRY DENSITY = 2.05 Mg/m³
 CELL PRESSURES = 100 200 400 kN/m²
 SHEAR STRENGTH = 234 273 283 kN/m²
 STRAIN at FAILURE = 9 13 17 %
 RATE of STRAIN = 2 2 2 %/min.
 MEMBRANE TYPE = Standard Latex - 0.5mm. thick.

AVERAGE SHEAR STRENGTH = 263 kN/m²

APPARENT COHESION = 199 kN/m²
 ANGLE of SHR. RESISTANCE = 8 Degrees

READ No	AREA cm ²	STRAIN %	STRAIN mm	PROVING RING DIAL Divs.	APPLIED LOAD kN	DEVIATOR STRESS kN/m ²
	55.42		0			
1	55.98	1.0	2	12	0.43	77
2	56.56	2.0	4	22	0.82	145
3	57.15	3.0	6	32	1.21	212
4	57.75	4.0	8	41	1.56	271
5	58.37	5.1	10	48	1.84	315
6	58.99	6.1	12	56	2.15	365
7	59.63	7.1	14	62	2.39	400
8	60.29	8.1	16	68	2.62	435
9	60.96	9.1	18	74	2.85	468
10	61.64	10.1	20	78	2.97	482
11	62.34	11.1	22	83	3.17	508
12	63.06	12.1	24	87	3.32	527
13	63.79	13.1	26	91	3.48	545
14	64.55	14.1	28	93	3.52	545
15	65.31	15.2	30	95	3.60	551
16	66.10	16.2	32	97	3.68	556
17	66.91	17.2	34	100	3.79	567
18	67.73	18.2	36	101	3.83	566
19	68.58	19.2	38	102	3.87	564
20	69.45	20.2	40	103	3.91	563
21	70.34	21.2	42	103	3.91	556



COMMENTS:
 Prepared by : Vertical Extrusion \ Remoulding.
 84mm Diameter Multi-stage test - (one specimen)

Aitken Laboratories Ltd, Castlehill House, Bank St, Slammanan, FK13 5EZ

Print Time: 10:38 AM Print Date: 09/03/2020

Originator [Redacted]
 Checked & Approved [Redacted]

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST
 in accordance with
 BS EN ISO 17892: Part8

Robroyston North. M505

Aitken Laboratories Limited

SITE : Robroyston North. M505

Template: RS03

Job Number M-: 505
 Exp.Point :BH S332
 DEPTH : 1.20 m.
 Description : Mottled brown gravelly sandy clay

SPECIMEN/STAGE No : 1 2 3
 CELL PRESSURES = 100 200 400 kN/m²
 WEIGHT OF SPECIMEN = 3156 gms.
 DIAMETER OF SPECIMEN = 101 m.m.
 HEIGHT OF SPECIMEN = 202 m.m.
 WT.of WET SAMPLE+TIN = 576 gms.
 WT.of DRY SAMPLE+TIN = 470 gms.
 WT.of TIN = 42.5 gms.
 LOAD FACTOR = 8.83 N/Div.
 PRESSURE ZERO = 3 7 13 Div.

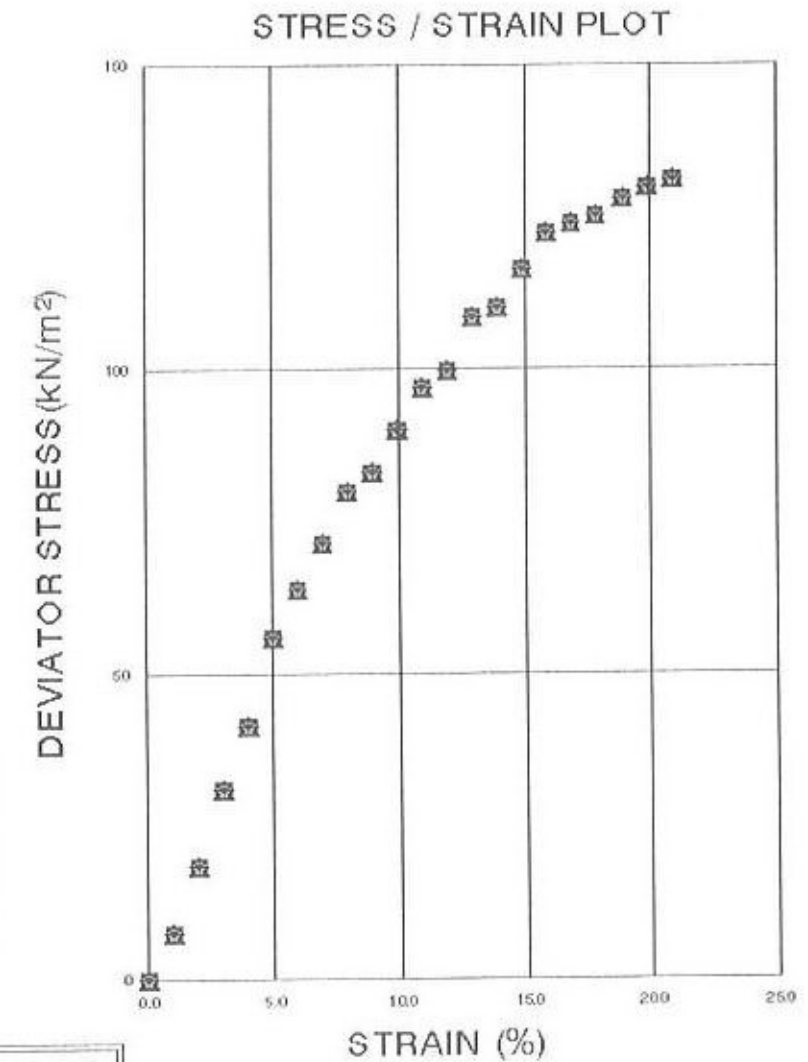
SPEC. / STAGE No : 1 2 3

WATER CONT. = 24.9 % dry weight
 BULK DENSITY = 1.97 Mg/m³
 DRY DENSITY = 1.58 Mg/m³
 CELL PRESSURES = 100 200 400 kN/m²
 SHEAR STRENGTH = 41 55 65 kN/m²
 STRAIN at FAILURE = 9 14 21 %
 RATE of STRAIN = 2 2 2 %/min.
 MEMBRANE TYPE = Standard Latex - 0.5mm. thick.

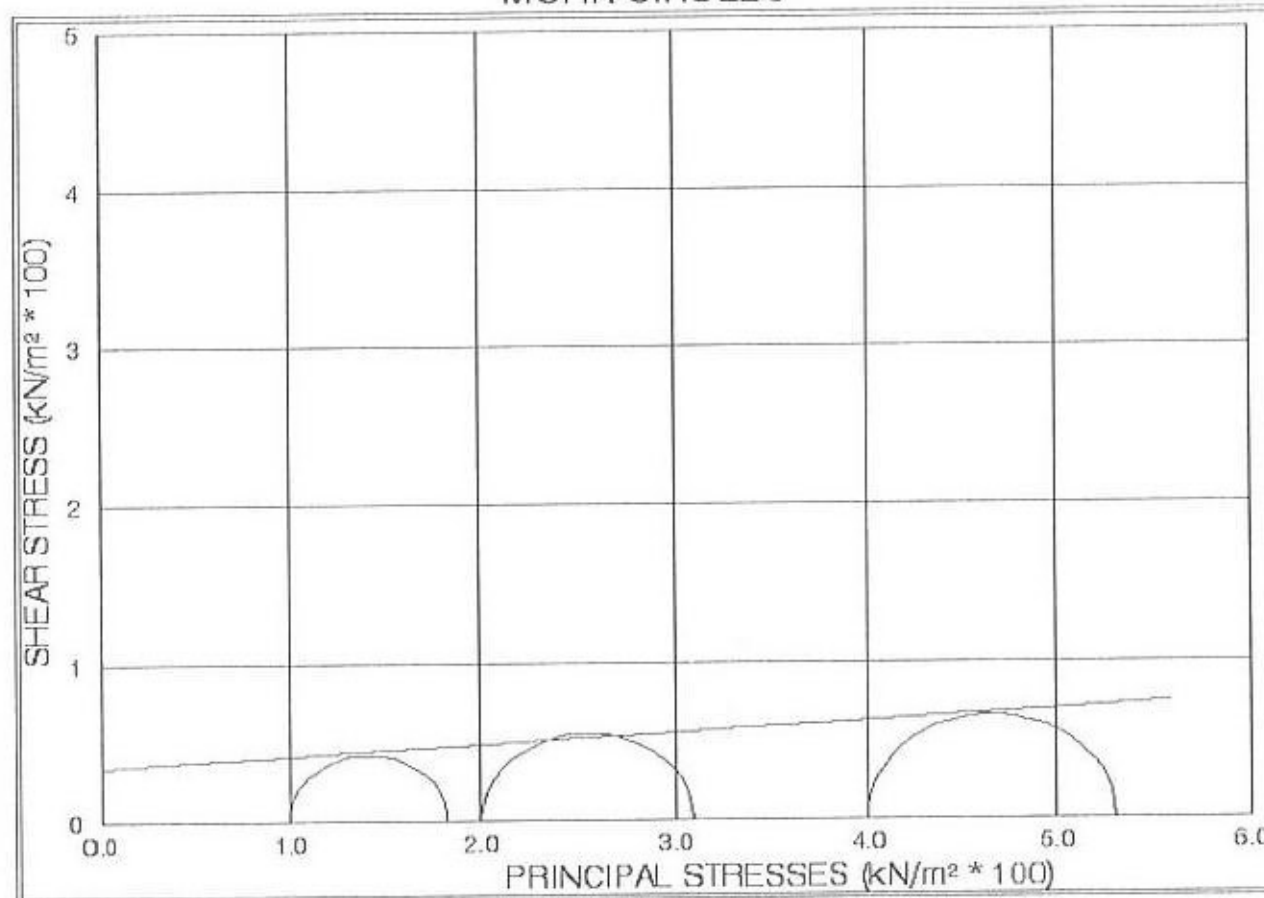
AVERAGE SHEAR STRENGTH = 54 kN/m²

APPARENT COHESION = 34 kN/m²
 ANGLE of SHR. RESISTANCE = 4 Degrees

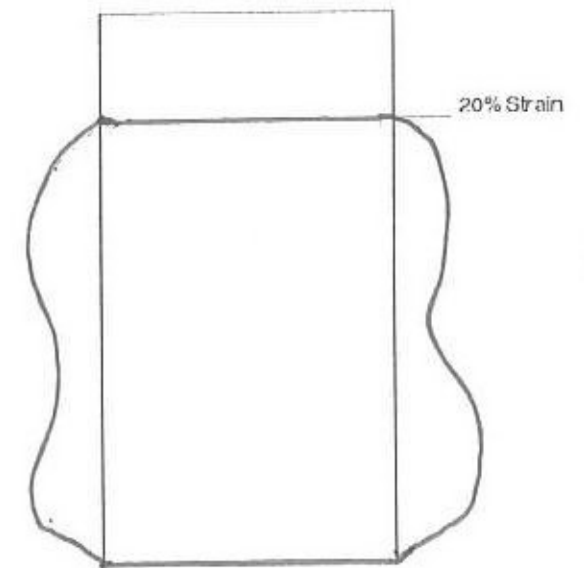
READ No	AREA cm ²	STRAIN %	STRAIN mm	PROVNG RING DIAL Divs.	APPLIED LOAD kN	DEVIATOR STRESS kN/m ²
	79.58		0			
1	80.38	1.0	2	10	0.06	8
2	81.19	2.0	4	20	0.15	18
3	82.02	3.0	6	32	0.26	31
4	82.87	4.0	8	42	0.34	42
5	83.74	5.0	10	56	0.47	56
6	84.62	6.0	12	64	0.54	64
7	85.52	6.9	14	72	0.61	71
8	86.44	7.9	16	81	0.69	80
9	87.39	8.9	18	85	0.72	83
10	88.35	9.9	20	97	0.79	90
11	89.33	10.9	22	105	0.87	97
12	90.34	11.9	24	109	0.90	100
13	91.37	12.9	26	119	0.99	108
14	92.42	13.9	28	122	1.02	110
15	93.50	14.9	30	136	1.09	116
16	94.60	15.9	32	144	1.16	122
17	95.73	16.9	34	147	1.18	124
18	96.89	17.9	36	150	1.21	125
19	98.07	18.9	38	155	1.25	128
20	99.29	19.8	40	159	1.29	130
21	100.53	20.8	42	162	1.32	131



MOHR CIRCLES



FAILURE



PLASTIC \ BRITTLE \ COMPOUND

COMMENTS:
 Prepared by : Vertical Extrusion \ Remoulding.
 101mm Diameter Multi-stage test- (one specimen)

Aitken Laboratories Ltd, Castlehill House, Bank St, Slamanan, FK13EZ

Print Time: 07:48 AM Print Date: 07/03/2020

Originator	QUICK UNDRAINED TRIAXIAL COMPRESSION TEST in accordance with BS EN ISO 17892: Part8 Robroyston North. M505	Aitken Laboratories Limited
Checked &		
Approved		