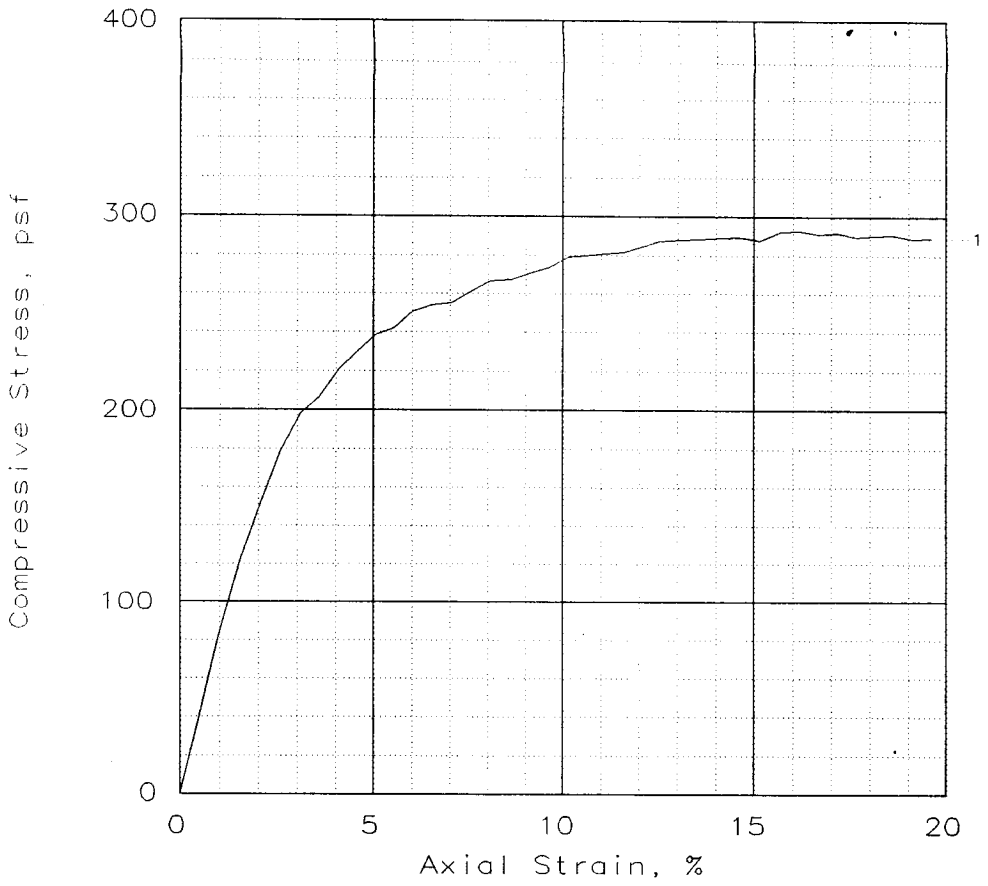
UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	289			
Undrained shear strength, psf	144			
Failure strain, %	13.6			
Strain rate, in/min	0.0583			
Water content, %	66.0			
Wet density, pcf	97.5			
Dry density, pcf	58.7			
Saturation, %	94.9			
Void ratio	1.8920			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: vSo Gr CH3 w/ ars & Ins ML, Tr-wd

GS= 2.72 | Type: Undisturbed

Project No.: 19080

Date: 10-5-05

Remarks:

Torvane = 0.100 tsf

Fig. No.: ———

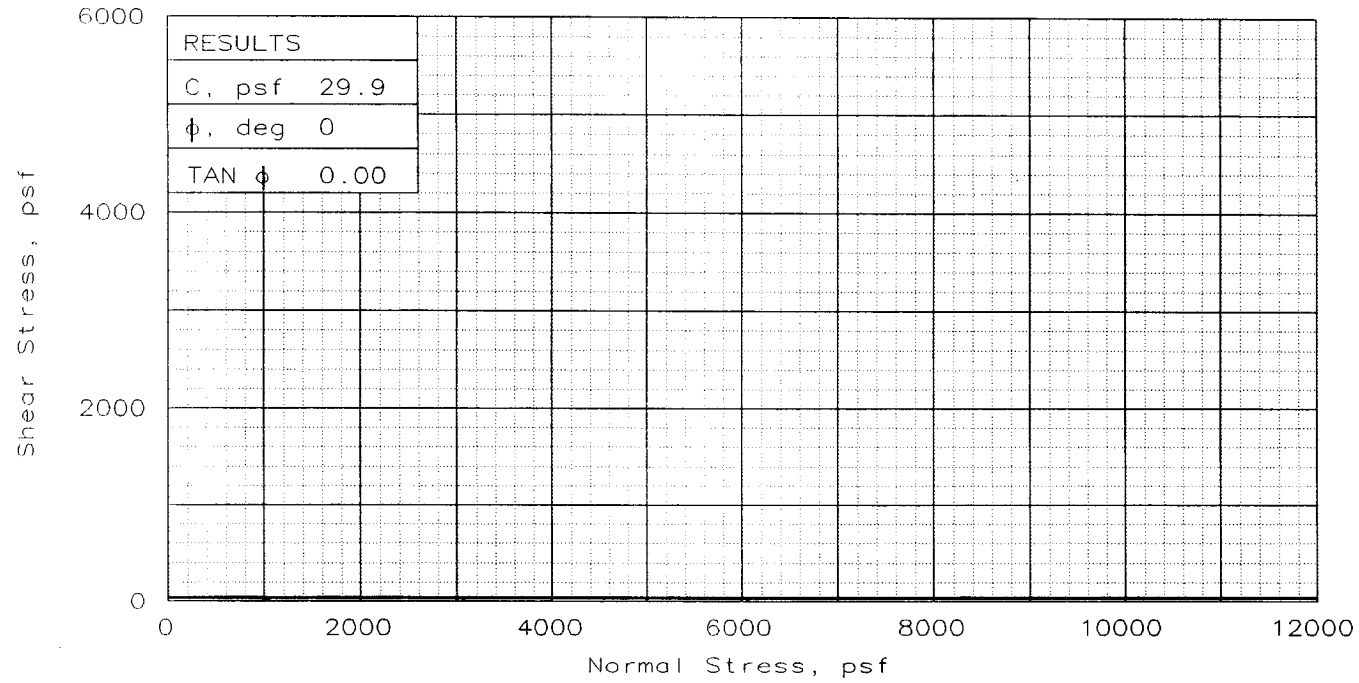
Client: U.S. Army Corps of Engineers

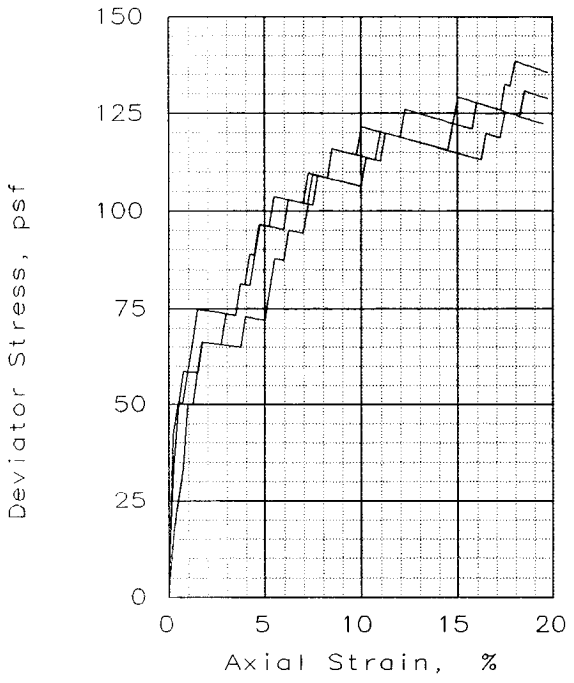
Project: Repairs to Levees and Floodwalls
at the 17th Street Canal

Location: Boring 1,
Sample 1-B, Depth 12.1', Elev. -9.6

UNCONFINED COMPRESSION TEST

Eustis Engineering Company, Inc.





SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	43.0	43.0	43.0
	DRY DENSITY, pcf	76.0	75.6	74.9
	SATURATION, %	95.4	94.5	92.9
	VOID RATIO	1.216	1.228	1.250
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
AT TEST	WATER CONTENT, %	45.0	45.4	46.3
	DRY DENSITY, pcf	76.1	75.7	74.9
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	1.215	1.226	1.250
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
Strain rate, in/min		0.0290	0.0283	0.0289
BACK PRESSURE, psf		0	0	0
CELL PRESSURE, psf		994	2995	5990
FAIL. STRESS, psf		59	75	74
ULT. STRESS, psf		136	129	122
σ_1 FAILURE, psf		1052	3070	6064
σ_3 FAILURE, psf		994	2995	5990

TYPE OF TEST:
Unconsolidated Undrained
SAMPLE TYPE: Undisturbed
DESCRIPTION: vSo Gr CH3

LL= 55 PL= 18 PI= 37
SPECIFIC GRAVITY= 2.7
REMARKS: Torvane = 0.070 tsf

Fig. No.: _____

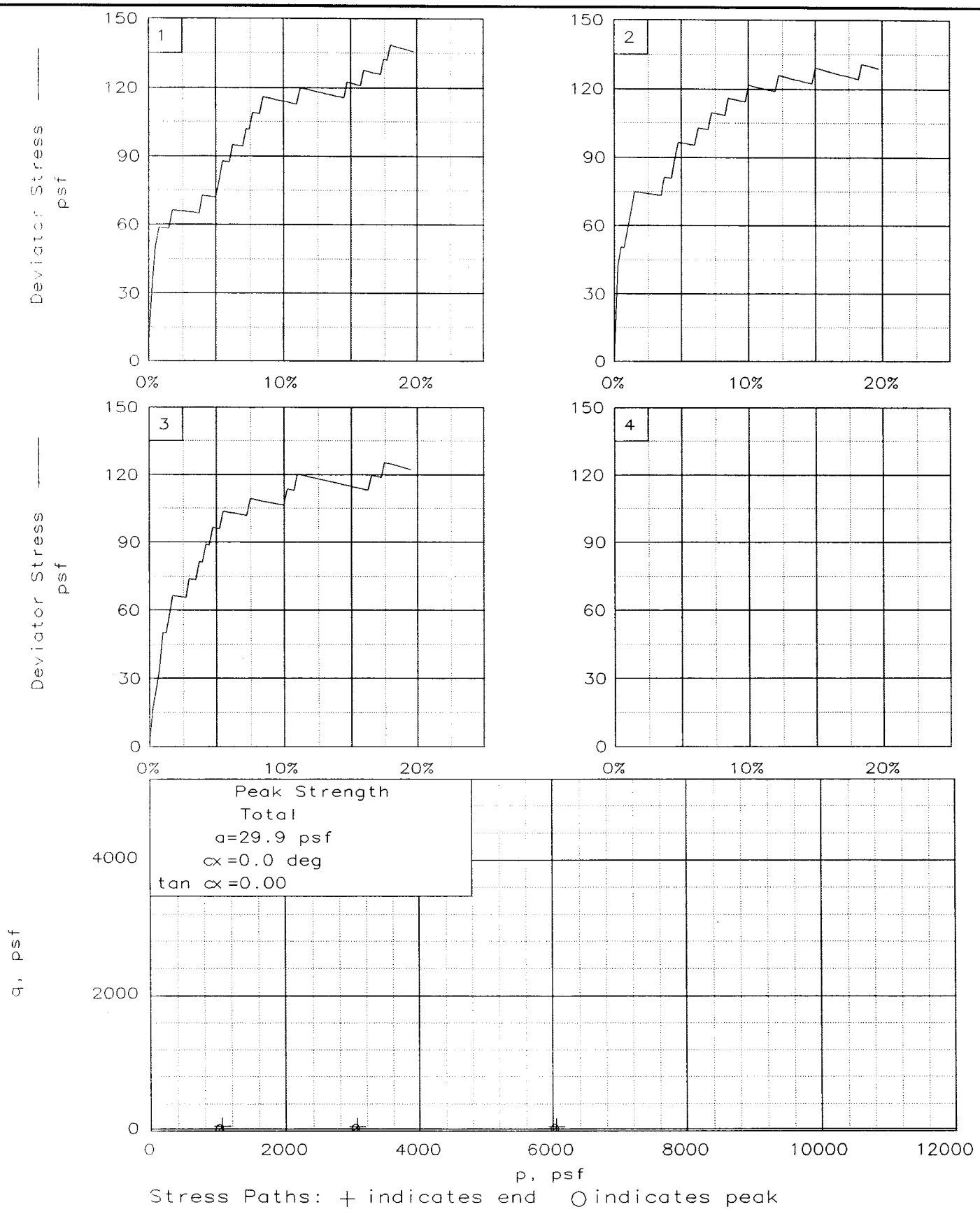
CLIENT: U.S. Army Corps of Engineers

PROJECT: Repairs to Levees and Floodwalls
at the 17th Street Canal
SAMPLE LOCATION: Boring 1,
Sample 2-B, Depth 16.1', Elev. -13.6

PROJ. NO.: 19080 DATE: 10-5-05

TRIAXIAL SHEAR TEST REPORT

Eustis Engineering Company, Inc.



Stress Paths: + indicates end ○ indicates peak

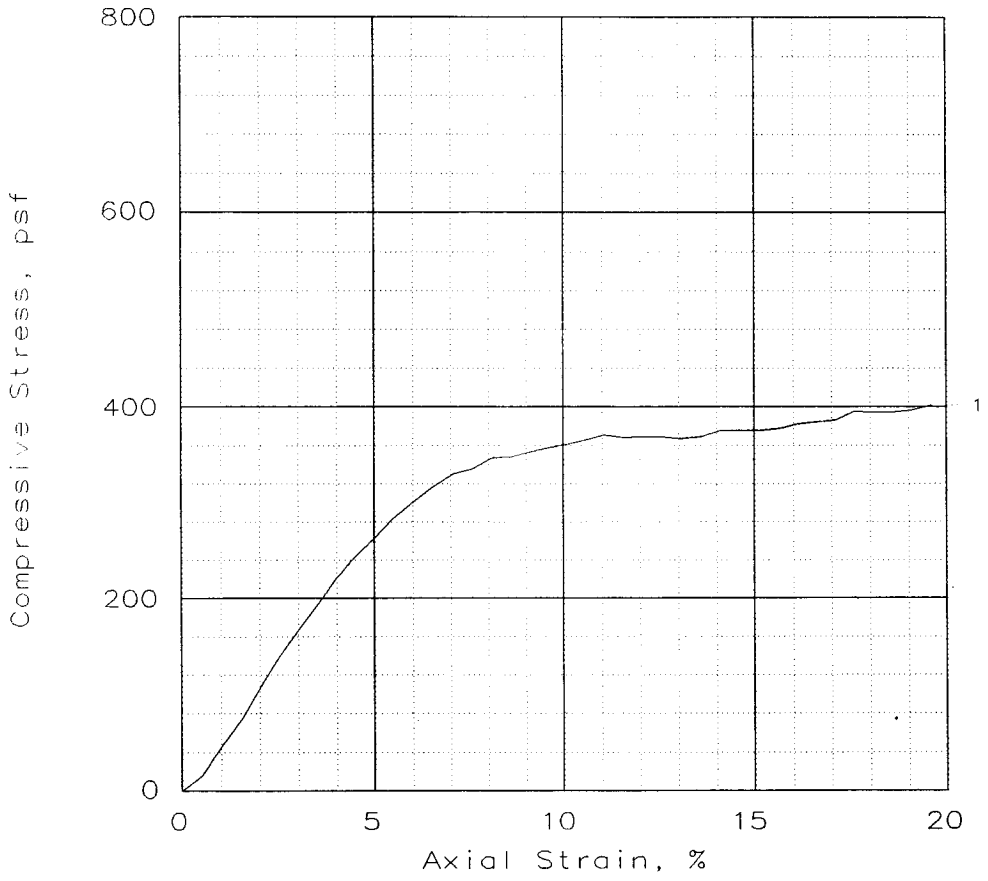
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls at the 17th Street Canal

Location: Boring 1, Sample 2-B, Depth 16.1', Elev. -13.6

File: UU-25077 Project No.: 19080 Fig. No.: _____

UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	371			
Undrained shear strength, psf	185			
Failure strain, %	11.1			
Strain rate, in/min	0.0583			
Water content, %	29.0			
Wet density, pcf	111.5			
Dry density, pcf	86.4			
Saturation, %	83.4			
Void ratio	0.9282			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: vSo Gr CL4 w/ ars CH

GS= 2.67 | Type: Undisturbed

Project No.: 19080
Date: 10-5-05
Remarks:
Torvane = 0.230 tsf

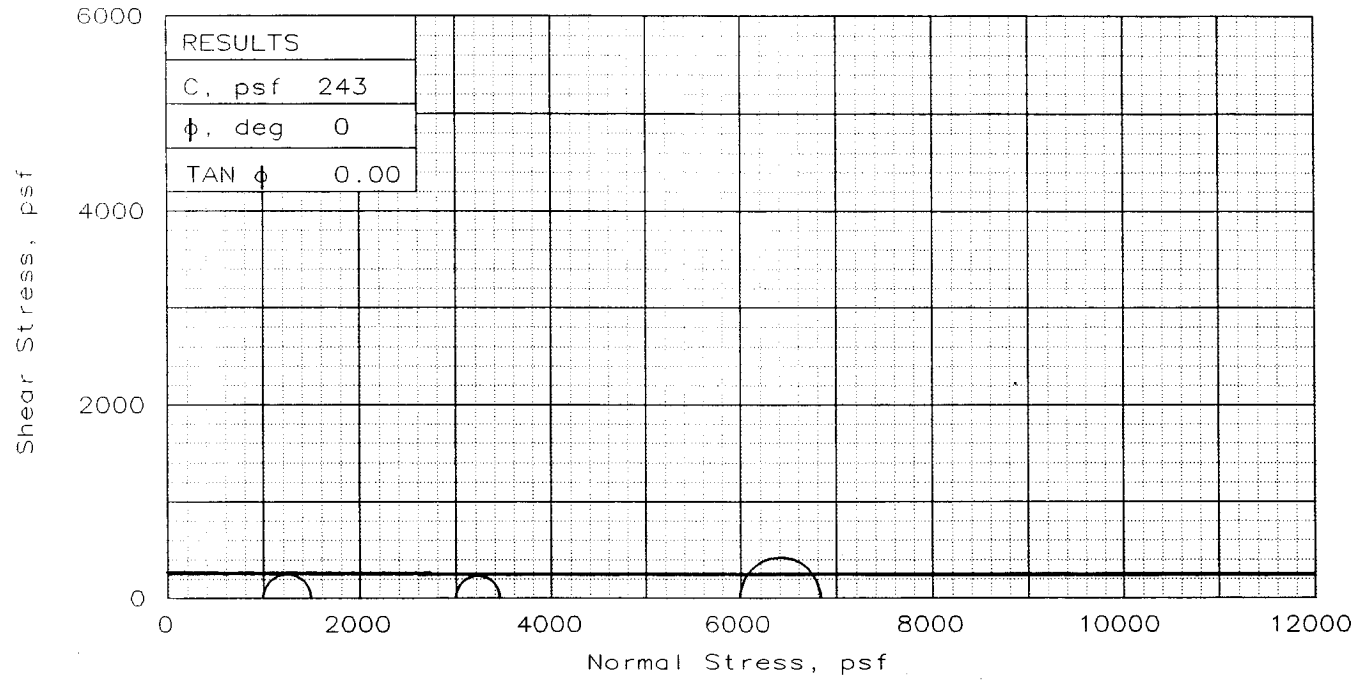
Fig. No.: ——

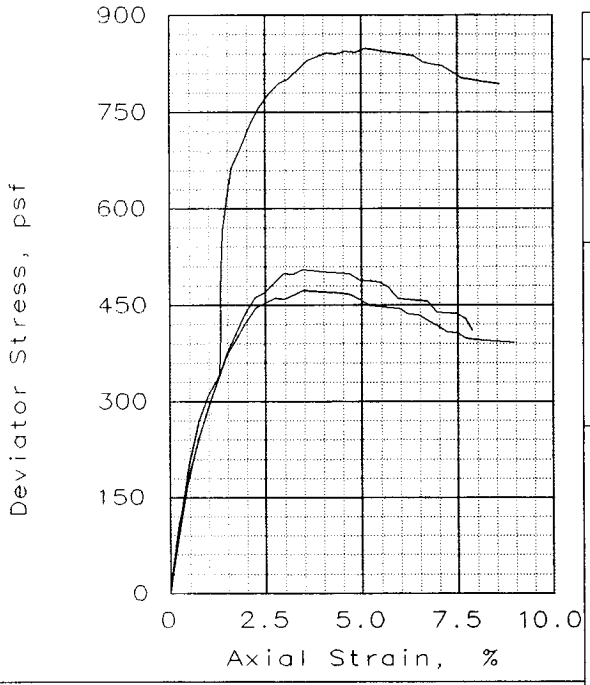
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls
at the 17th Street Canal
Location: Boring 1,
Sample 3-C, Depth 21.0', Elev. -18.5

UNCONFINED COMPRESSION TEST

Eustis Engineering Company, Inc.





SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	75.1	75.5	74.7
	DRY DENSITY, pcf	54.6	54.1	54.9
	SATURATION, %	96.5	95.8	96.6
	VOID RATIO	2.132	2.160	2.117
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
AT TEST	WATER CONTENT, %	78.0	78.5	77.4
	DRY DENSITY, pcf	54.5	54.3	54.8
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	2.138	2.152	2.121
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
Strain rate, in/min		0.0276	0.0289	0.0254
BACK PRESSURE, psf		0	0	0
CELL PRESSURE, psf		994	2995	5990
FAIL. STRESS, psf		499	461	841
ULT. STRESS, psf		412	393	794
σ_1 FAILURE, psf		1493	3456	6832
σ_3 FAILURE, psf		994	2995	5990

TYPE OF TEST:
Unconsolidated Undrained
SAMPLE TYPE: Undisturbed
DESCRIPTION: vSo Gr CH4
w/ Ins ML
LL= 86 PL= 24 PI= 62
SPECIFIC GRAVITY= 2.74
REMARKS: Torvane = 0.150 tsf

Fig. No.: _____

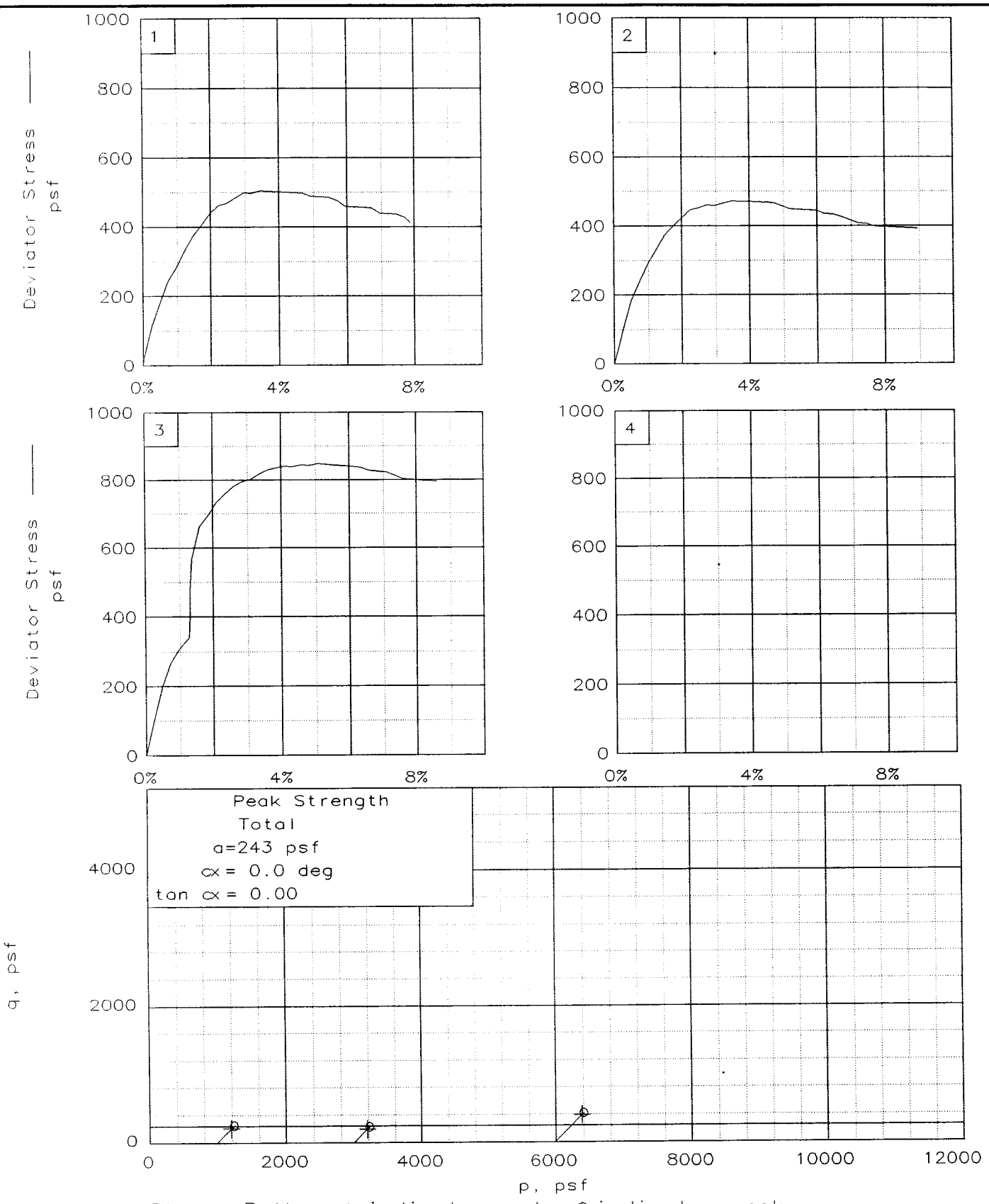
CLIENT: U.S. Army Corps of Engineers

PROJECT: Repairs to Levees and Floodwalls
at the 17th Street Canal
SAMPLE LOCATION: Boring 1,
Sample 4-C, Depth 25.0', Elev. -22.5

PROJ. NO.: 19080 DATE: 10-5-05

TRIAXIAL SHEAR TEST REPORT

Eustis Engineering Company, Inc.



Stress Paths: + indicates end ○ indicates peak

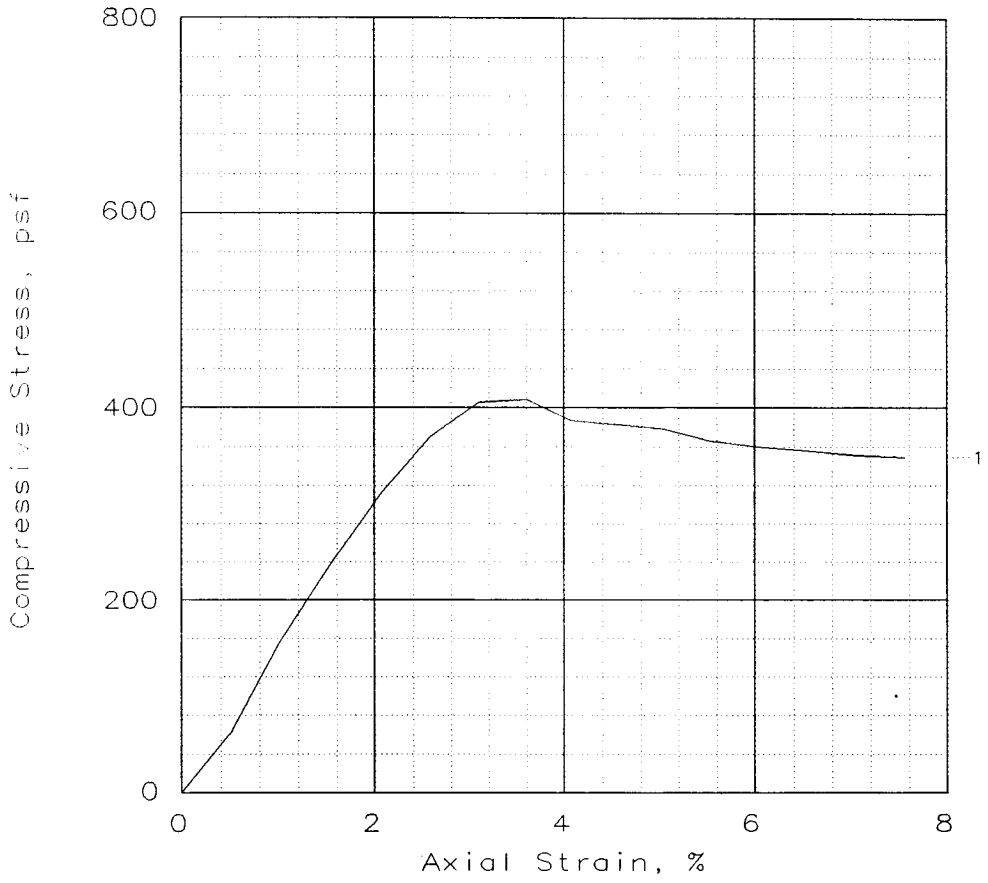
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls at the 17th Street Canal

Location: Boring 1, Sample 4-C, Depth 25.0', Elev. -22.5

File: UU-25080 Project No.: 19080 Fig. No.: ____

UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	408			
Undrained shear strength, psf	204			
Failure strain, %	3.6			
Strain rate, in/min	0.0575			
Water content, %	77.0			
Wet density, pcf	96.8			
Dry density, pcf	54.7			
Saturation, %	99.2			
Void ratio	2.1267			
Specimen diameter, in	1.41			
Specimen height, in	2.93			
Height/diameter ratio	2.08			

Description: vSo Gr CH4 w/ Ins ML

GS= 2.74 | Type: Undisturbed

Project No.: 19080
Date: 10-5-05
Remarks:
Torvane = 0.130 tsf

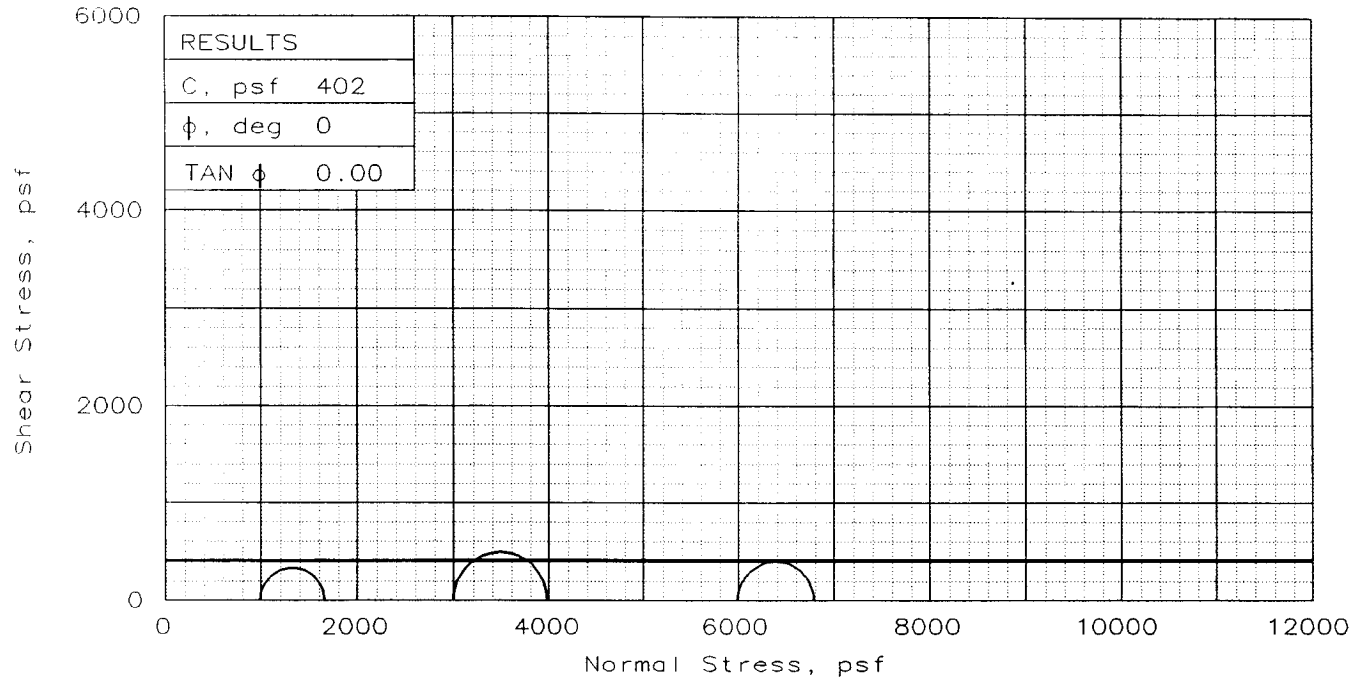
Fig. No.: ——

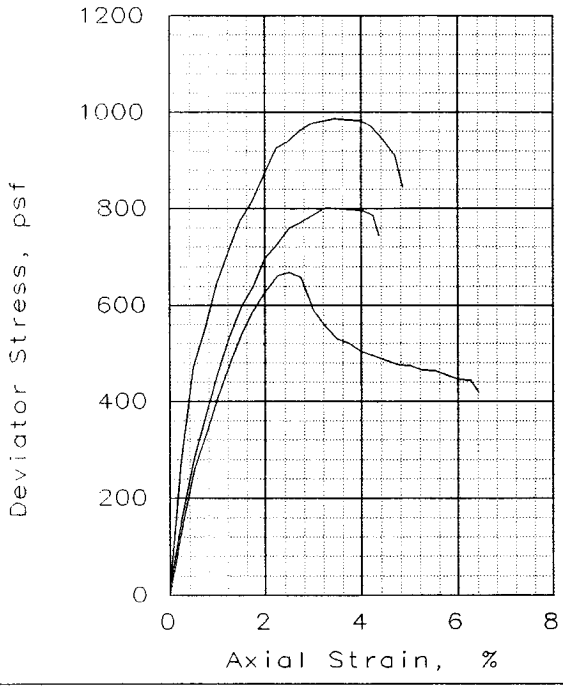
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls
at the 17th Street Canal
Location: Boring 1,
Sample 5-B, Depth 28.1', Elev. -25.6

UNCONFINED COMPRESSION TEST

Eustis Engineering Company, Inc.





SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	66.0	66.0	66.0
	DRY DENSITY, pcf	57.1	57.1	57.1
	SATURATION, %	90.6	90.6	90.6
	VOID RATIO	1.997	1.997	1.997
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
AT TEST	WATER CONTENT, %	72.7	72.6	72.6
	DRY DENSITY, pcf	57.2	57.2	57.2
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	1.991	1.990	1.989
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
Strain rate, in/min		0.0286	0.0281	0.0282
BACK PRESSURE, psf		0	0	0
CELL PRESSURE, psf		994	2995	5990
FAIL. STRESS, psf		667	987	802
ULT. STRESS, psf		419	844	744
σ_1 FAILURE, psf		1661	3983	6792
σ_3 FAILURE, psf		994	2995	5990

TYPE OF TEST:
Unconsolidated Undrained
SAMPLE TYPE: Undisturbed
DESCRIPTION: So Gr CH4
w/ SL
LL= 98 PL= 31 PI= 67
SPECIFIC GRAVITY= 2.74
REMARKS: Torvane = 0.220 tsf

Fig. No.: _____

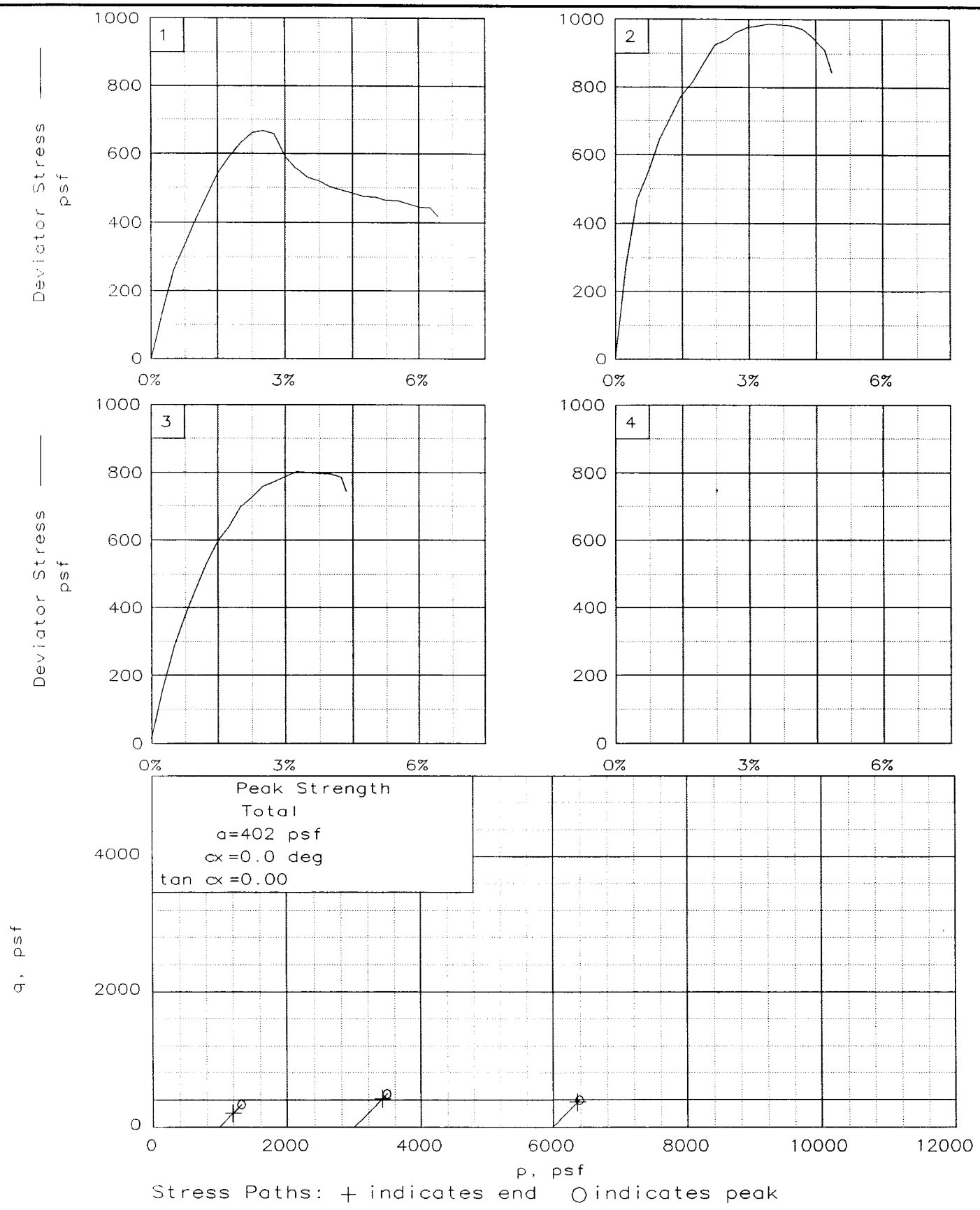
CLIENT: U.S. Army Corps of Engineers

PROJECT: Repairs to Levees and Floodwalls
at the 17th Street Canal
SAMPLE LOCATION: Boring 1,
Sample 6-B, Depth 36.1', Elev. -33.6

PROJ. NO.: 19080 DATE: 10-5-05

TRIAXIAL SHEAR TEST REPORT

Eustis Engineering Company, Inc.



Stress Paths: + indicates end ○ indicates peak

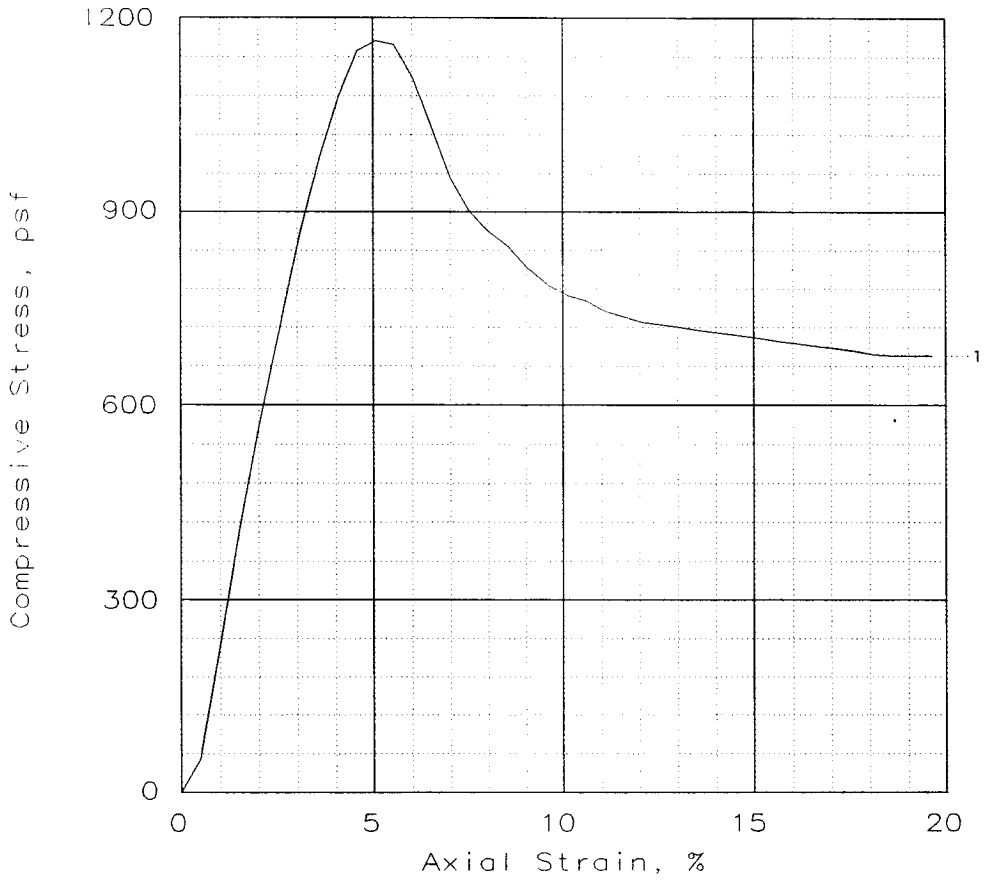
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls at the 17th Street Canal

Location: Boring 1, Sample 6-B, Depth 36.1', Elev. -33.6

File: UU-25078 Project No.: 19080 Fig. No.: _____

UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	1165			
Undrained shear strength, psf	582			
Failure strain, %	5.1			
Strain rate, in/min	0.0582			
Water content, %	70.2			
Wet density, pcf	100.7			
Dry density, pcf	59.1			
Saturation, %	101.7			
Void ratio	1.8922			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: M Gr CH4 w/ Ins SP, SL

GS= 2.74 | Type: Undisturbed

Project No.: 19080
Date: 10-5-05
Remarks:
Torvane = 0.270 tsf

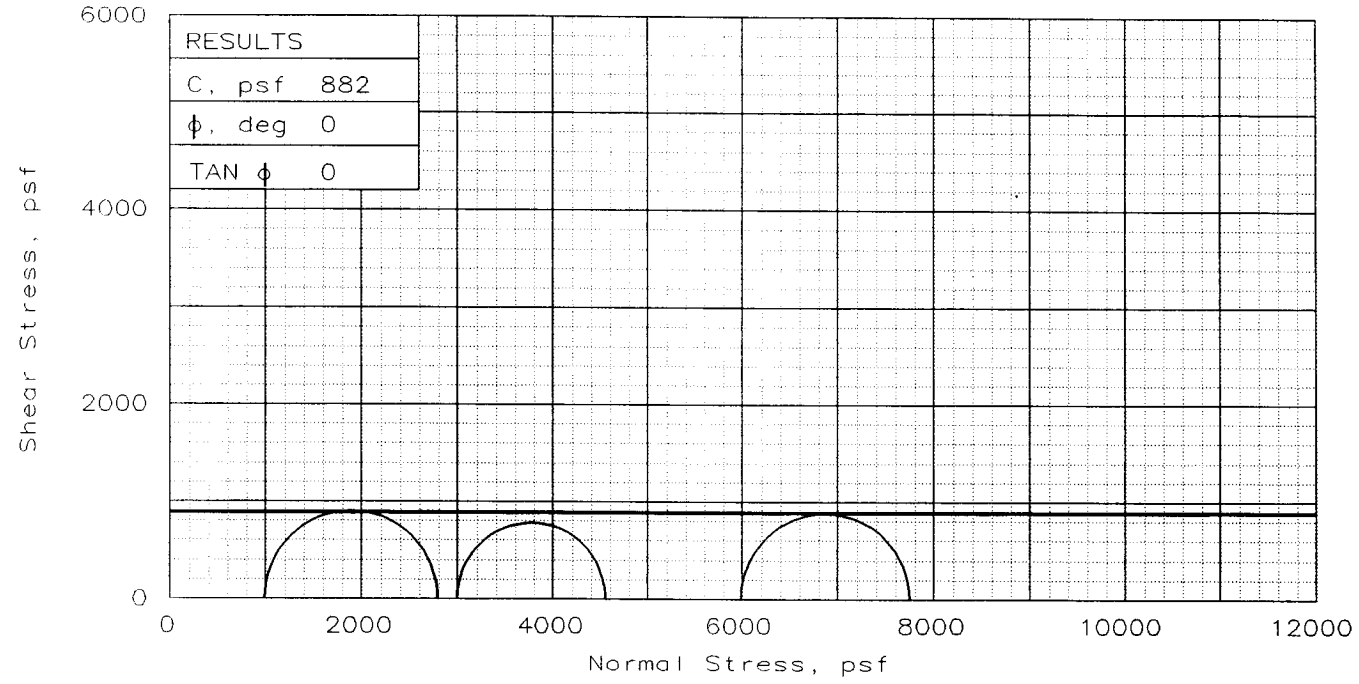
Fig. No.: ———

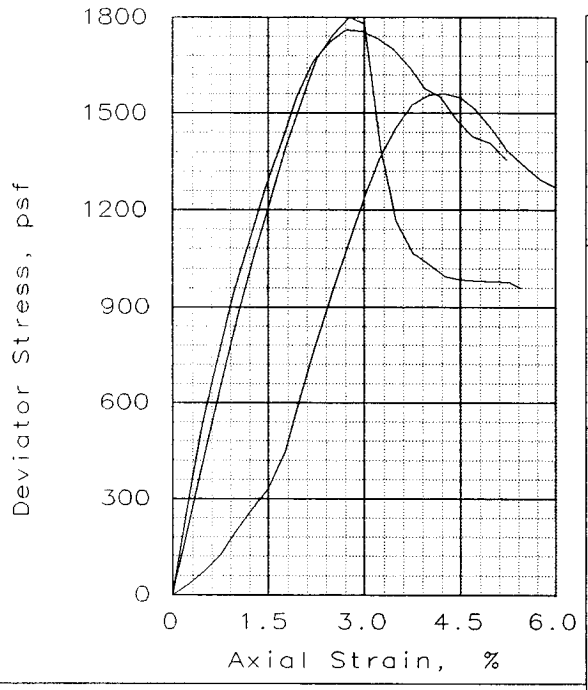
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls
at the 17th Street Canal
Location: Boring 1,
Sample 7-B, Depth 36.1', Elev. -33.6

UNCONFINED COMPRESSION TEST

Eustis Engineering Company, Inc.





SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	68.0	68.0	68.0
	DRY DENSITY, pcf	57.7	57.7	56.8
	SATURATION, %	95.1	95.2	93.0
	VOID RATIO	1.945	1.943	1.989
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
AT TEST	WATER CONTENT, %	71.3	71.5	72.8
	DRY DENSITY, pcf	57.8	57.6	57.0
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	1.939	1.946	1.981
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
Strain rate, in/min		0.0285	0.0287	0.0281
BACK PRESSURE, psf		0	0	0
CELL PRESSURE, psf		994	2995	5990
FAIL. STRESS, psf		1800	1559	1761
ULT. STRESS, psf		959	1269	1355
σ_1 FAILURE, psf		2794	4554	7751
σ_3 FAILURE, psf		994	2995	5990

TYPE OF TEST:
Unconsolidated Undrained
SAMPLE TYPE: Undisturbed
DESCRIPTION: M Gr CH4
w/ ars SM, SL
LL= 91 PL= 25 PI= 66
SPECIFIC GRAVITY= 2.72
REMARKS: Torvane = 0.300 tsf

Fig. No.: _____

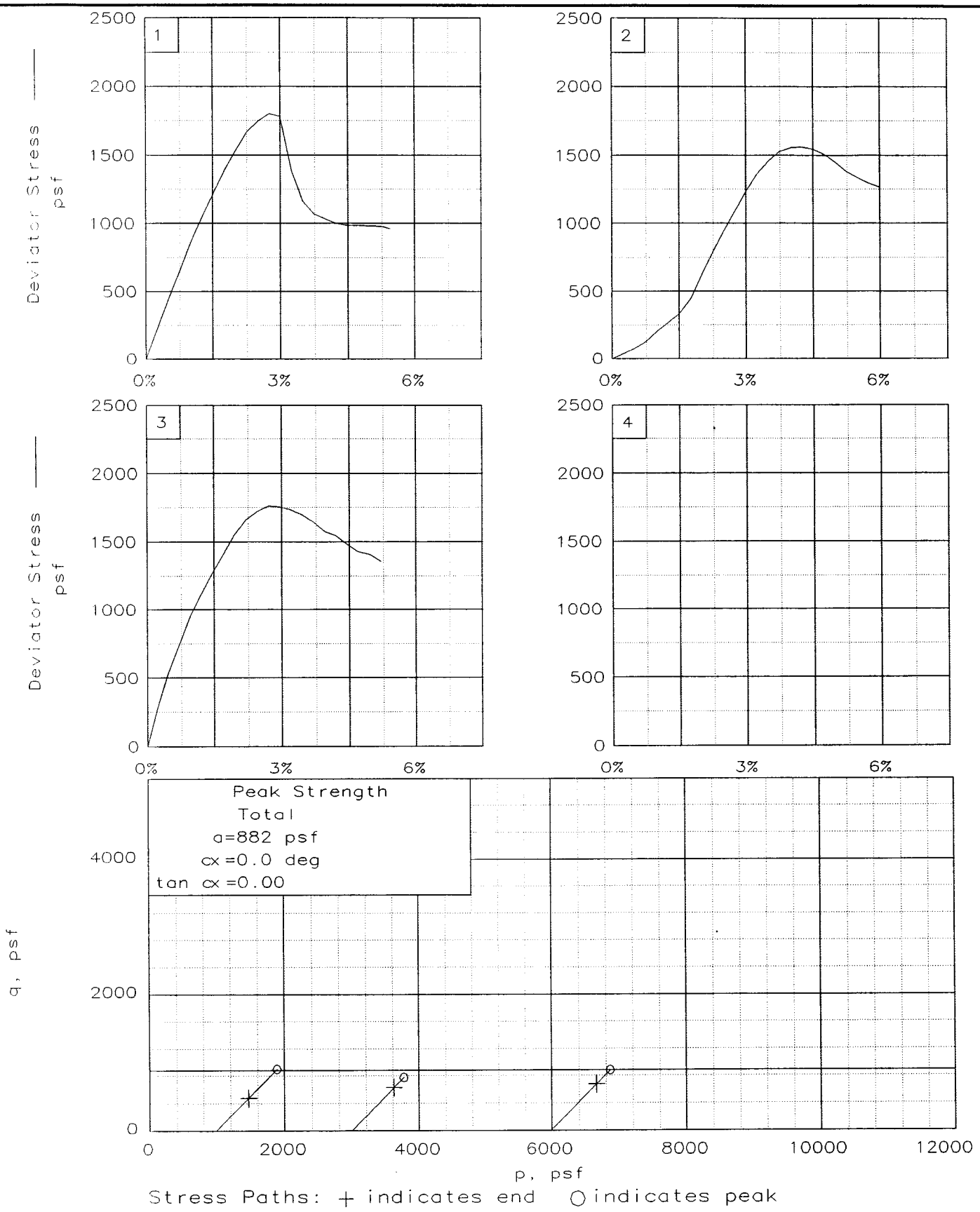
CLIENT: U.S. Army Corps of Engineers

PROJECT: Repairs to Levees and Floodwalls
at the 17th Street Canal
SAMPLE LOCATION: Boring 1,
Sample 13-C, Depth 53.0', Elev. -50.5

PROJ. NO.: 19080 DATE: 10-5-05

TRIAXIAL SHEAR TEST REPORT

Eustis Engineering Company, Inc.



Stress Paths: + indicates end ○ indicates peak

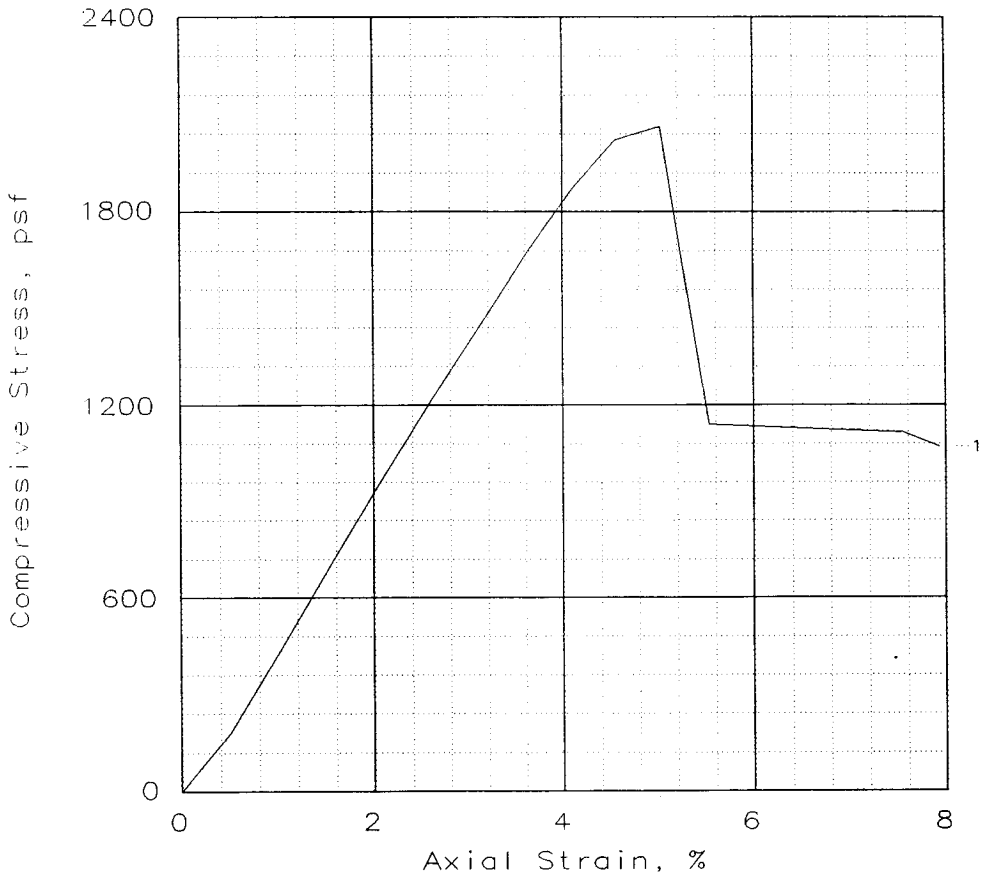
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls at the 17th Street Canal

Location: Boring 1, Sample 13-C, Depth 53.0', Elev. -50.5

File: UU-25079 Project No.: 19080 Fig. No.: ____

UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	2065			
Undrained shear strength, psf	1032			
Failure strain, %	5.0			
Strain rate, in/min	0.0548			
Water content, %	55.0			
Wet density, pcf	100.5			
Dry density, pcf	64.9			
Saturation, %	92.5			
Void ratio	1.6180			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: M Gr CH4 w/ ars SM, SL, SIF

GS= 2.72 | Type: Undisturbed

Project No.: 19080
Date: 10-5-05
Remarks:
Torvane = 0.360 tsf

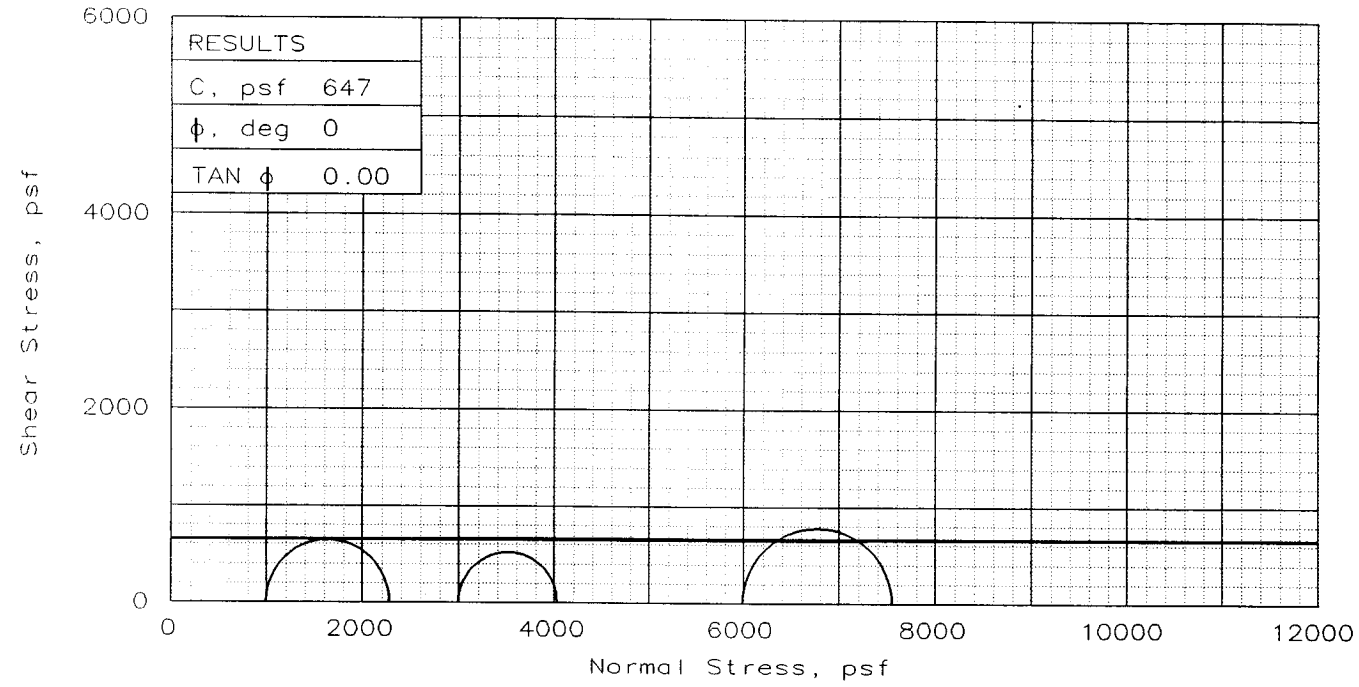
Fig. No.: ———

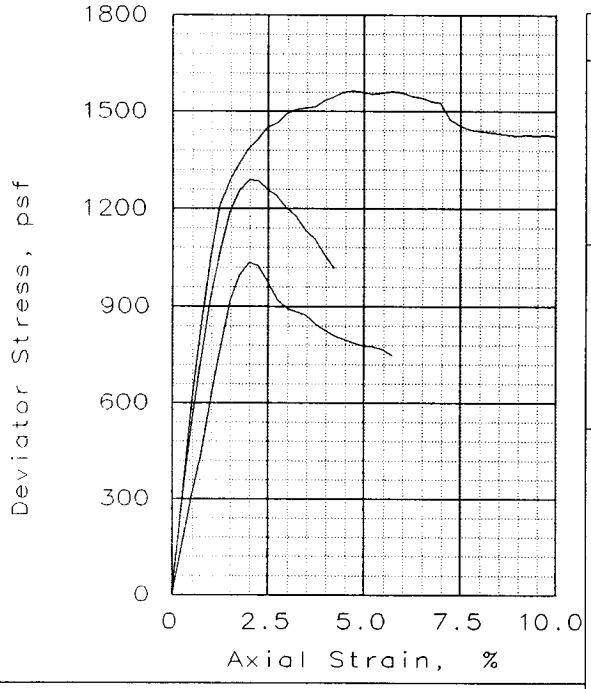
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls
at the 17th Street Canal
Location: Boring 1,
Sample 14-C, Depth 57.0', Elev. -54.5

UNCONFINED COMPRESSION TEST

Eustis Engineering Company, Inc.





SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	60.4	65.5	58.8
	DRY DENSITY, pcf	63.1	61.6	64.6
	SATURATION, %	96.7	100.9	97.9
	VOID RATIO	1.712	1.779	1.646
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
AT TEST	WATER CONTENT, %	62.8	64.7	59.8
	DRY DENSITY, pcf	62.9	61.7	64.8
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	1.720	1.772	1.639
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
Strain rate, in/min		0.0286	0.0275	0.0286
BACK PRESSURE, psf		0	0	0
CELL PRESSURE, psf		994	2995	5990
FAIL. STRESS, psf		1288	1036	1563
ULT. STRESS, psf		1017	749	1423
σ_1 FAILURE, psf		2282	4031	7554
σ_3 FAILURE, psf		994	2995	5990

TYPE OF TEST:
Unconsolidated Undrained
SAMPLE TYPE: Undisturbed
DESCRIPTION: M Gr CH4
w/ Ins SM, SIF
LL= 86 PL= 23 PI= 63
SPECIFIC GRAVITY= 2.74
REMARKS: Torvane = 0.300 tsf

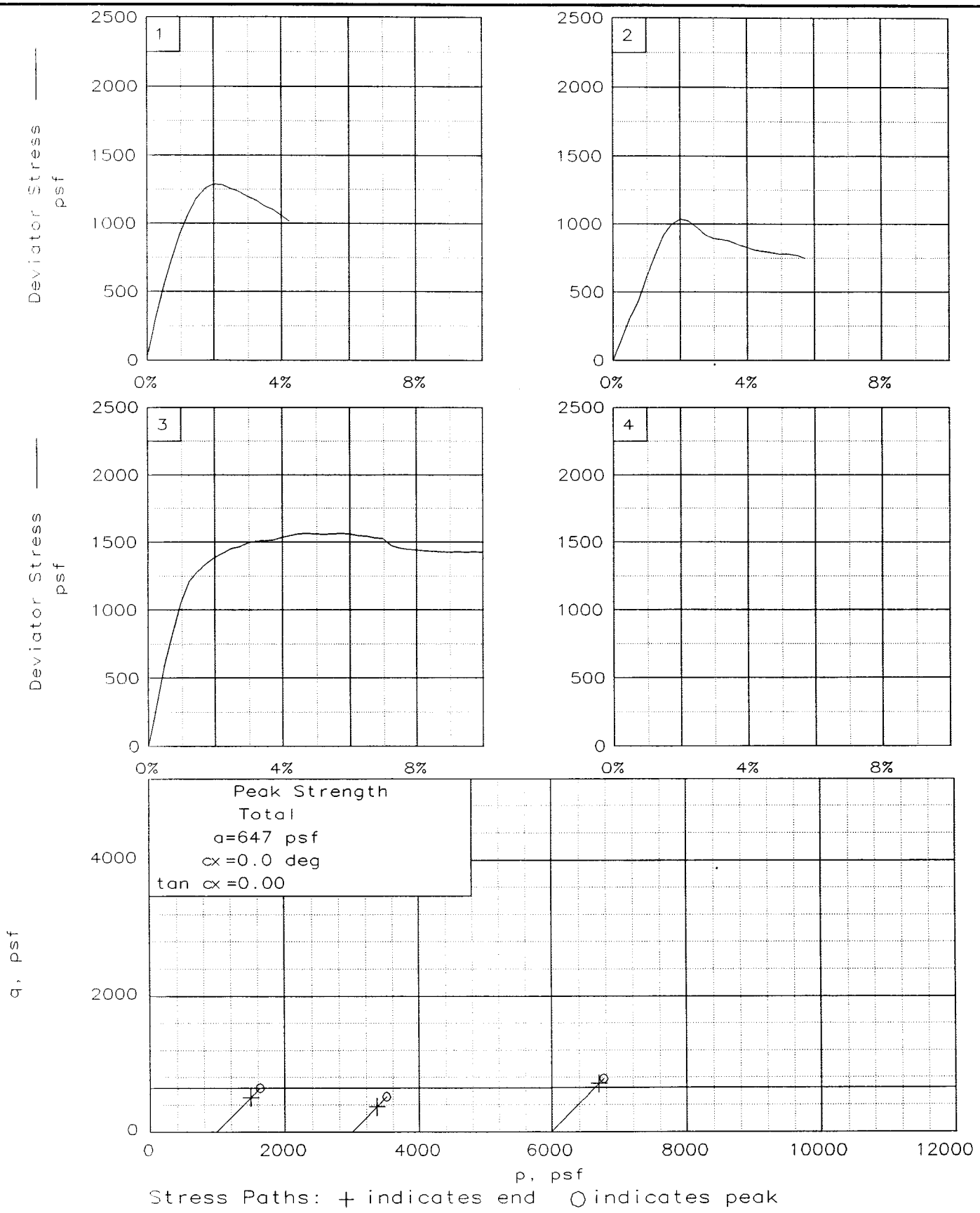
Fig. No.: _____

CLIENT: U.S. Army Corps of Engineers

PROJECT: Repairs to Levees and Floodwalls
at the 17th Street Canal
SAMPLE LOCATION: Boring 1,
Sample 15-C, Depth 61.0', Elev. -58.5
PROJ. NO.: 19080 DATE: 10-5-05

TRIAXIAL SHEAR TEST REPORT

Eustis Engineering Company, Inc.



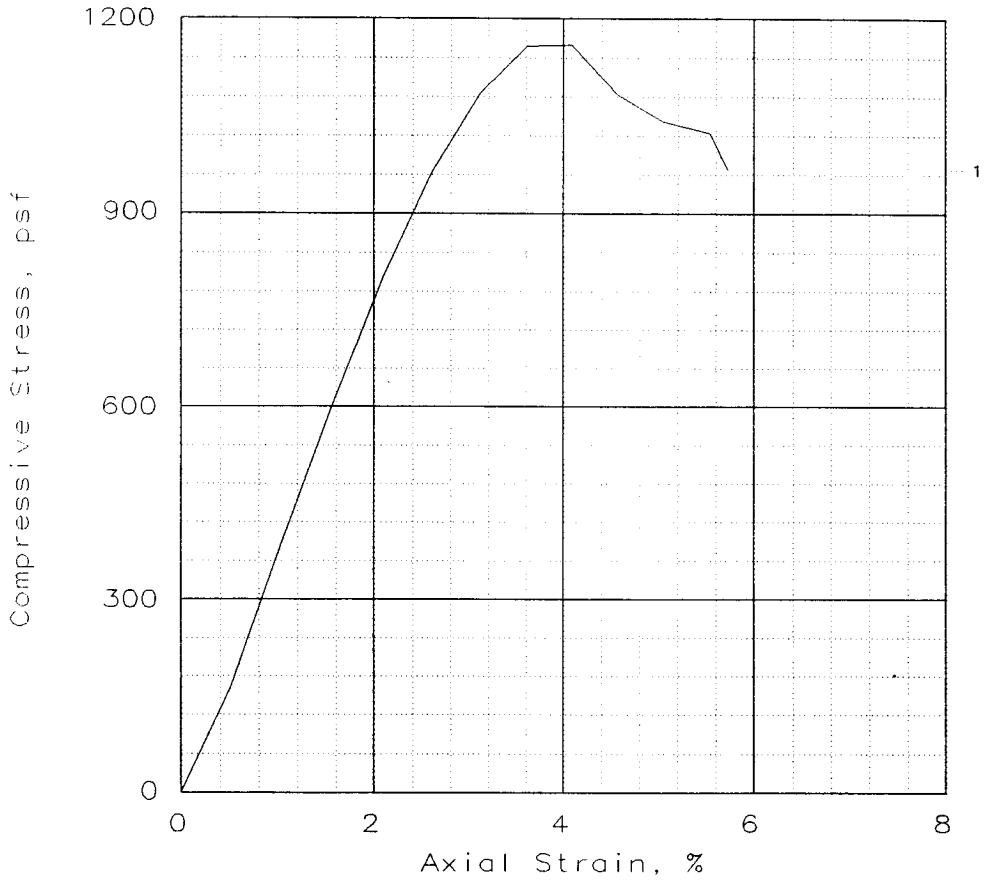
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls at the 17th Street Canal

Location: Boring 1, Sample 15-C, Depth 61.0', Elev. -58.5

File: UU-25081 Project No.: 19080 Fig. No.: ____

UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	1159			
Undrained shear strength, psf	580			
Failure strain, %	4.1			
Strain rate, in/min	0.0474			
Water content, %	51.6			
Wet density, pcf	107.0			
Dry density, pcf	70.6			
Saturation, %	99.3			
Void ratio	1.4236			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: M Gr CH4 w/ Ins ML

GS= 2.74 | Type: Undisturbed

Project No.: 19080
Date: 10-5-05
Remarks:
Torvane = 0.350 tsf

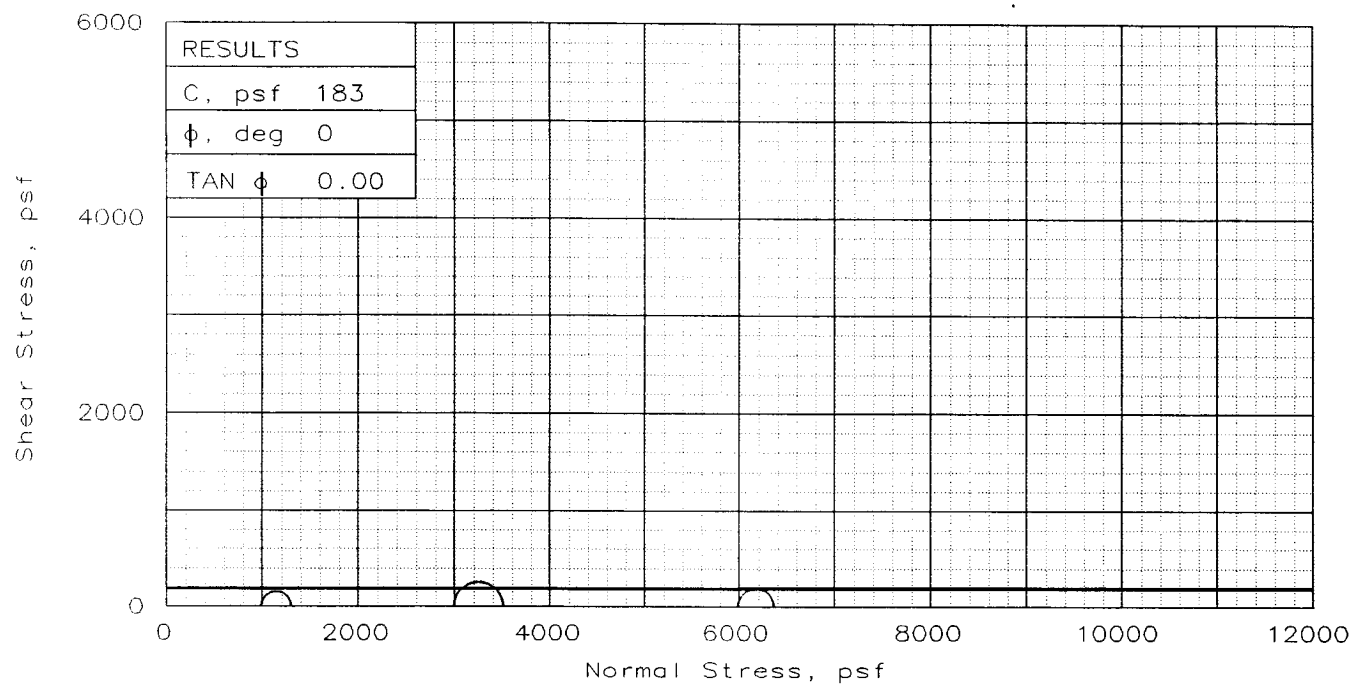
Fig. No.: ———

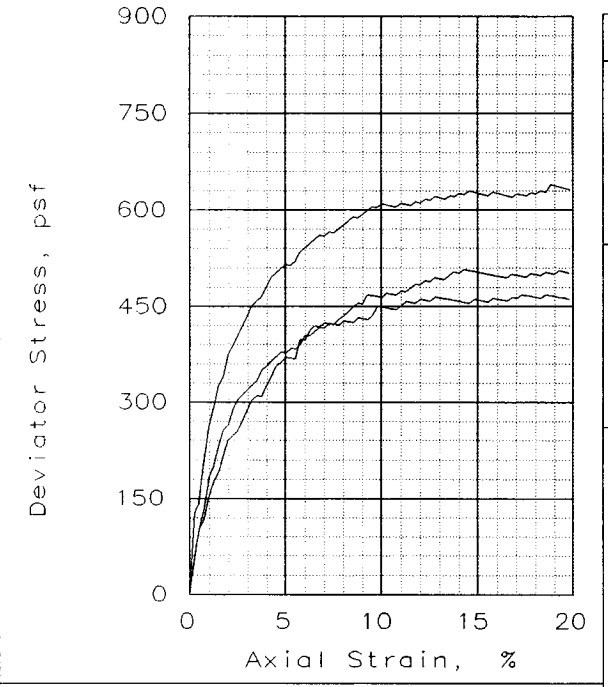
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls
at the 17th Street Canal
Location: Boring 1,
Sample 16-C, Depth 65.0', Elev. -62.5

UNCONFINED COMPRESSION TEST

Eustis Engineering Company, Inc.





SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	47.5	50.0	49.0
	DRY DENSITY, pcf	69.4	69.6	68.9
	SATURATION, %	89.3	94.6	91.0
	VOID RATIO	1.446	1.439	1.464
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
AT TEST	WATER CONTENT, %	52.9	52.5	53.6
	DRY DENSITY, pcf	69.6	70.0	69.1
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	1.439	1.427	1.459
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
Strain rate, in/min		0.0289	0.0290	0.0289
BACK PRESSURE, psf		0	0	0
CELL PRESSURE, psf		994	2995	5990
FAIL. STRESS, psf		310	515	378
ULT. STRESS, psf		502	632	461
σ_1 FAILURE, psf		1304	3510	6369
σ_3 FAILURE, psf		994	2995	5990

TYPE OF TEST:
Unconsolidated Undrained
SAMPLE TYPE: Undisturbed
DESCRIPTION: vSo Gr CH4
w/ ars ML, SIF, SL
LL= 70 PL= 21 PI= 49
SPECIFIC GRAVITY= 2.72
REMARKS: Torvane = 0.160 tsf

Fig. No.: _____

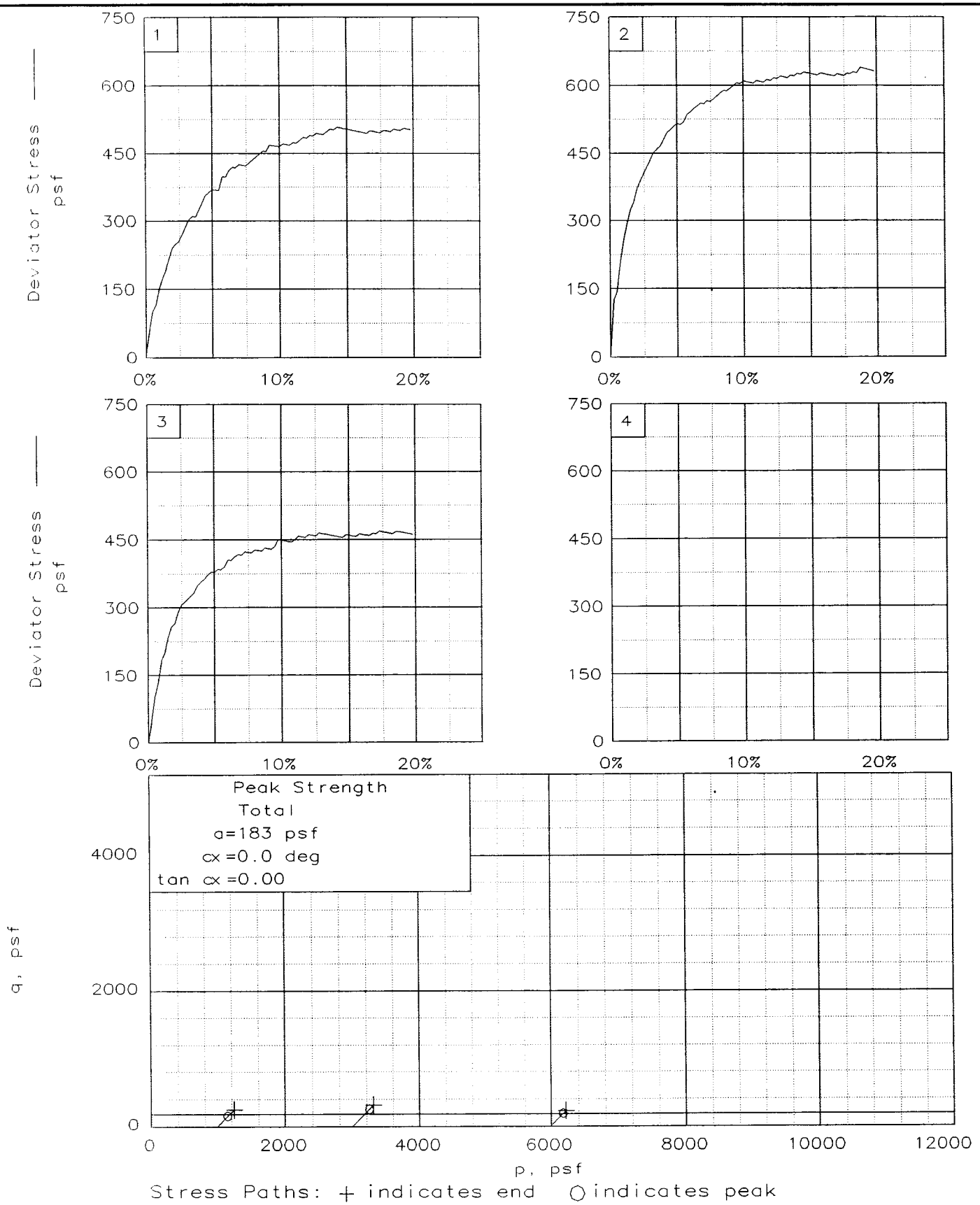
CLIENT: U.S. Army Corps of Engineers

PROJECT: Repairs to Levees and Floodwalls
at the 17th Street Canal
SAMPLE LOCATION: Boring 1,
Sample 17-C, Depth 69.0', Elev. 66.5

PROJ. NO.: 19080 DATE: 10-5-05

TRIAXIAL SHEAR TEST REPORT

Eustis Engineering Company, Inc.



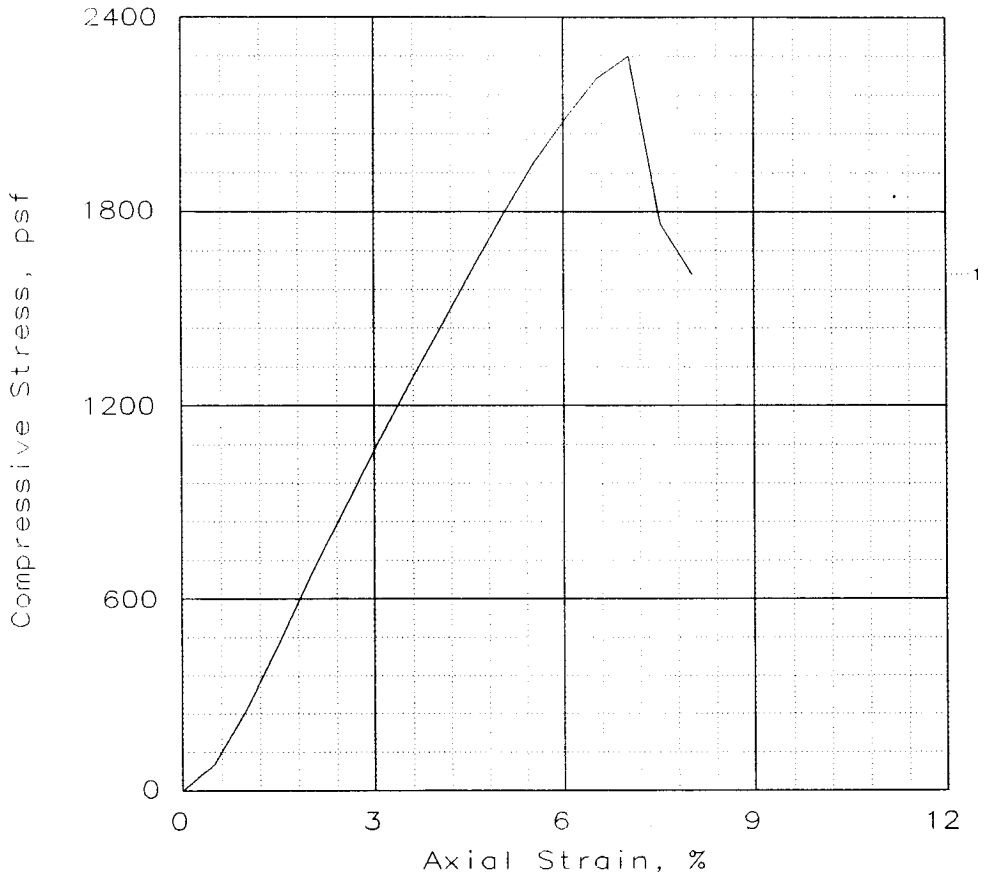
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls at the 17th Street Canal

Location: Boring 1, Sample 17-C, Depth 69.0', Elev. 66.5

File: UU-25082 Project No.: 19080 Fig. No.: ____

UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	2279			
Undrained shear strength, psf	1139			
Failure strain, %	7.0			
Strain rate, in/min	0.0567			
Water content, %	117.5			
Wet density, pcf	83.2			
Dry density, pcf	38.3			
Saturation, %	93.2			
Void ratio	3.4048			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: St Br & Gr CHOB w/ wd

GS= 2.7 | Type: Undisturbed

Project No.: 19080
Date: 10-5-05
Remarks:
Torvane = 0.350 tsf

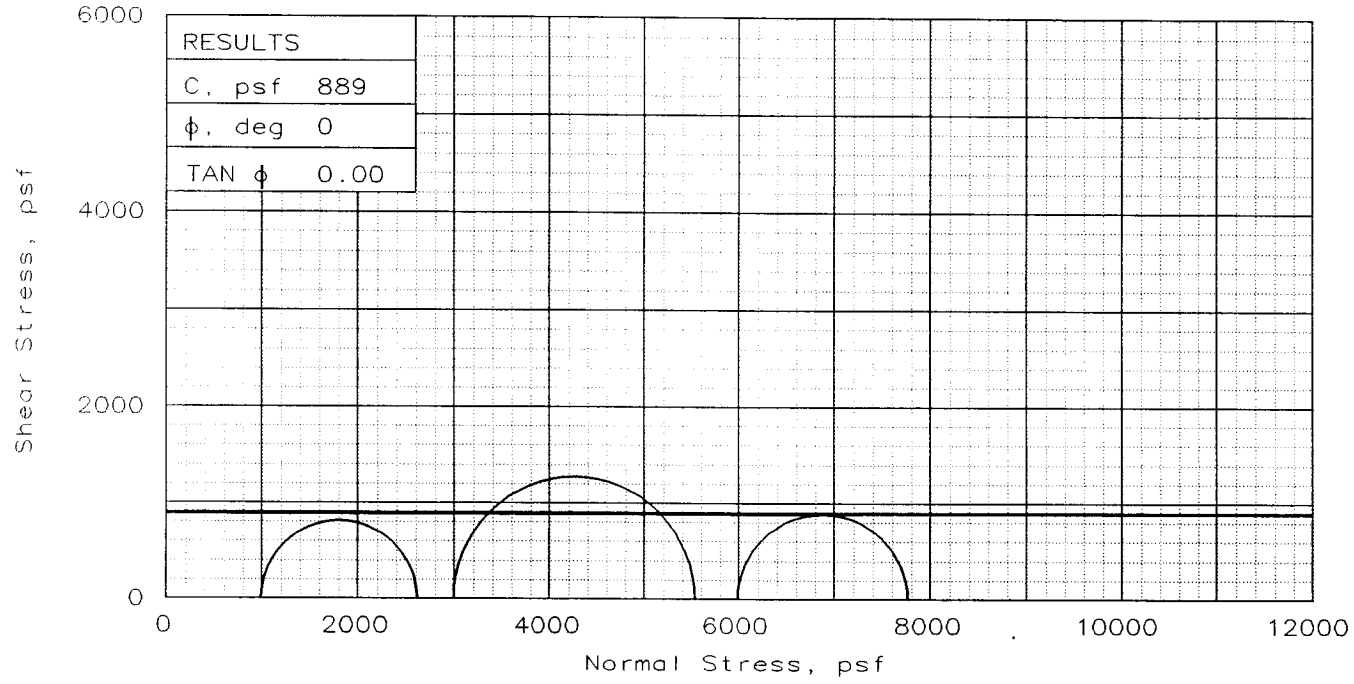
Fig. No.: ____

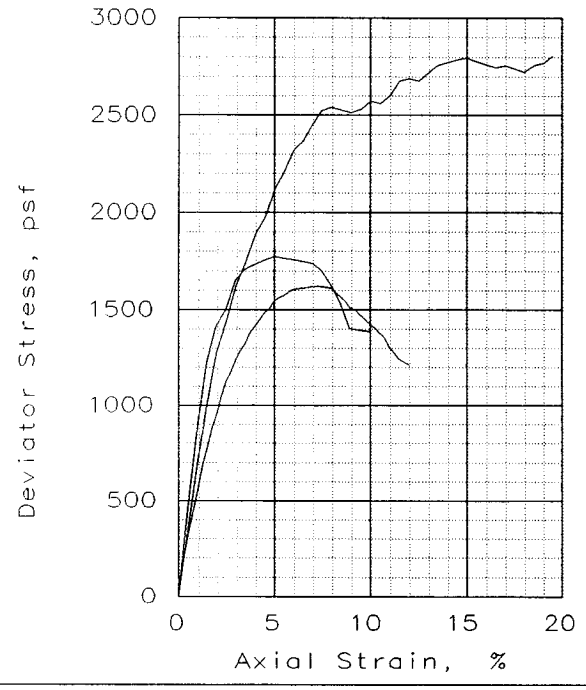
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls
at the 17th Street Canal
Location: Boring 1,
Sample 18-C, Depth 73.0', Elev. -70.5

UNCONFINED COMPRESSION TEST

Eustis Engineering Company, Inc.





SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	21.7	22.4	22.1
	DRY DENSITY, pcf	102.0	101.4	101.2
	SATURATION, %	89.7	91.4	89.5
	VOID RATIO	0.652	0.662	0.666
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
AT TEST	WATER CONTENT, %	24.0	24.1	24.5
	DRY DENSITY, pcf	102.3	102.1	101.4
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	0.648	0.651	0.662
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.92	2.93
Strain rate, in/min		0.0283	0.0573	0.0545
BACK PRESSURE, psf		0	0	0
CELL PRESSURE, psf		994	2995	5990
FAIL. STRESS, psf		1623	2541	1776
ULT. STRESS, psf		1213	2805	1388
σ_1 FAILURE, psf		2617	5537	7766
σ_3 FAILURE, psf		994	2995	5990

TYPE OF TEST:
Unconsolidated Undrained
SAMPLE TYPE: Undisturbed
DESCRIPTION: M lGr CL3

LL= 26 PL= 12 PI= 14
SPECIFIC GRAVITY= 2.7
REMARKS: Torvane = 0.425 tsf

Fig. No.: _____

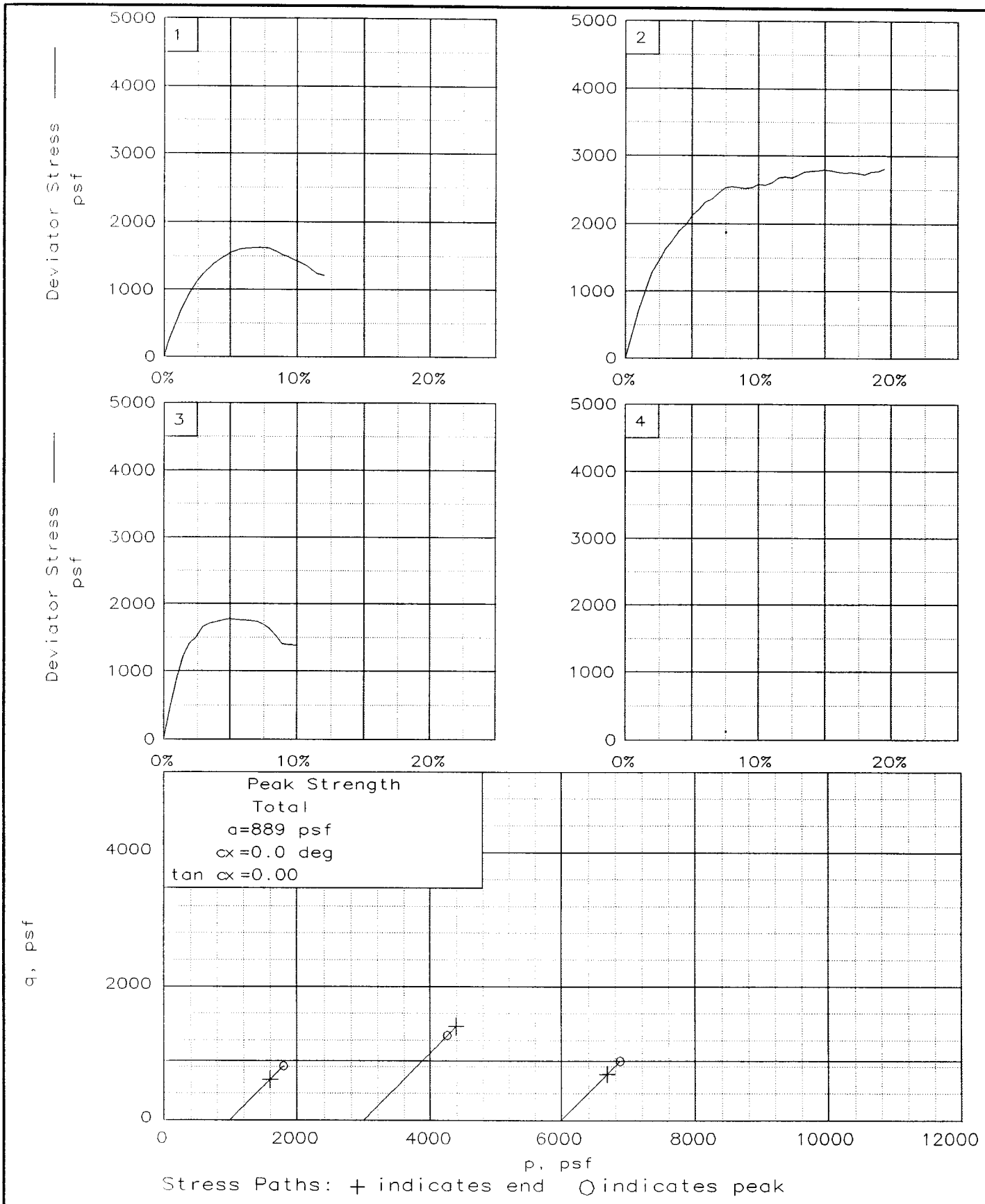
CLIENT: U.S. Army Corps of Engineers

PROJECT: Repairs to Levees and Floodwalls
at the 17th Street Canal
SAMPLE LOCATION: Boring 1,
Sample 20-B, Depth 80.1', Elev -77.6

PROJ. NO.: 19080 DATE: 10-5-05

TRIAXIAL SHEAR TEST REPORT

Eustis Engineering Company, Inc.



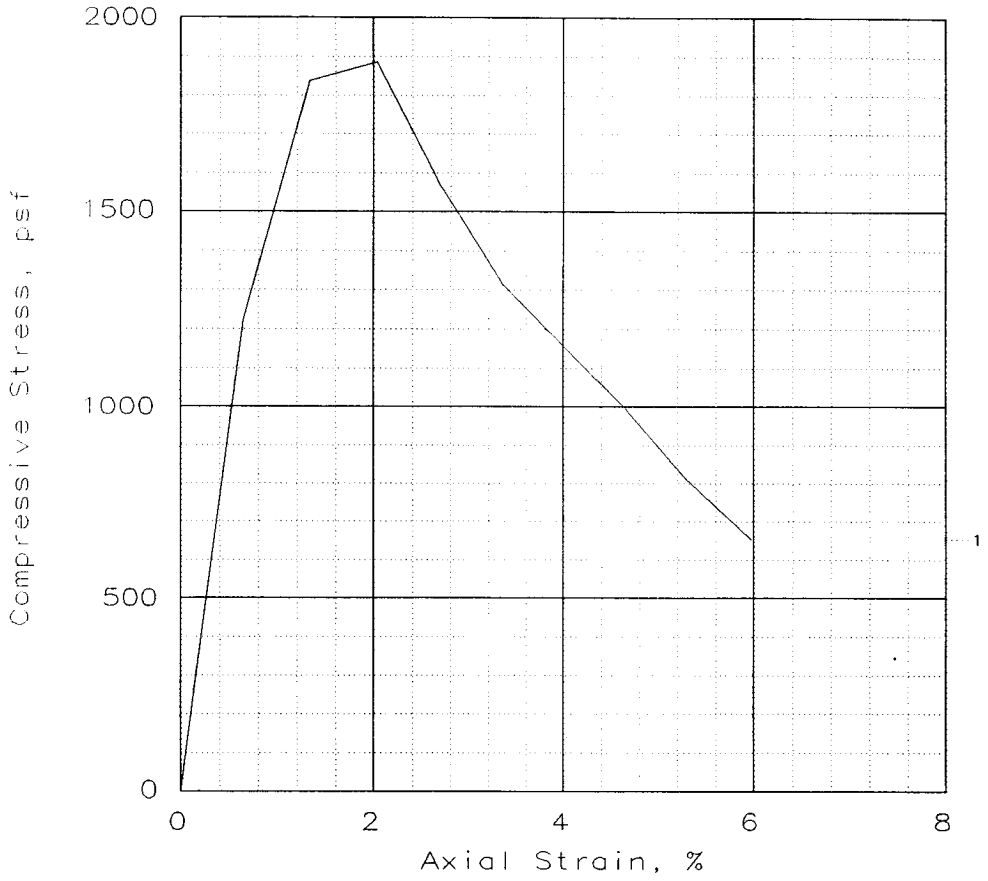
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls at the 17th Street Canal

Location: Boring 1, Sample 20-B, Depth 80.1', Elev -77.6

File: UU-25083 Project No.: 19080 Fig. No.: ____

UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	1887			
Undrained shear strength, psf	943			
Failure strain, %	2.0			
Strain rate, in/min	0.0532			
Water content, %	30.9			
Wet density, pcf	118.1			
Dry density, pcf	90.2			
Saturation, %	94.5			
Void ratio	0.8956			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: M gnGr & T CH4 w/ lys SM, SL

			GS= 2.74	Type: Undisturbed

Project No.: 19080
Date: 10-5-05
Remarks:
Torvane = 1.125 tsf

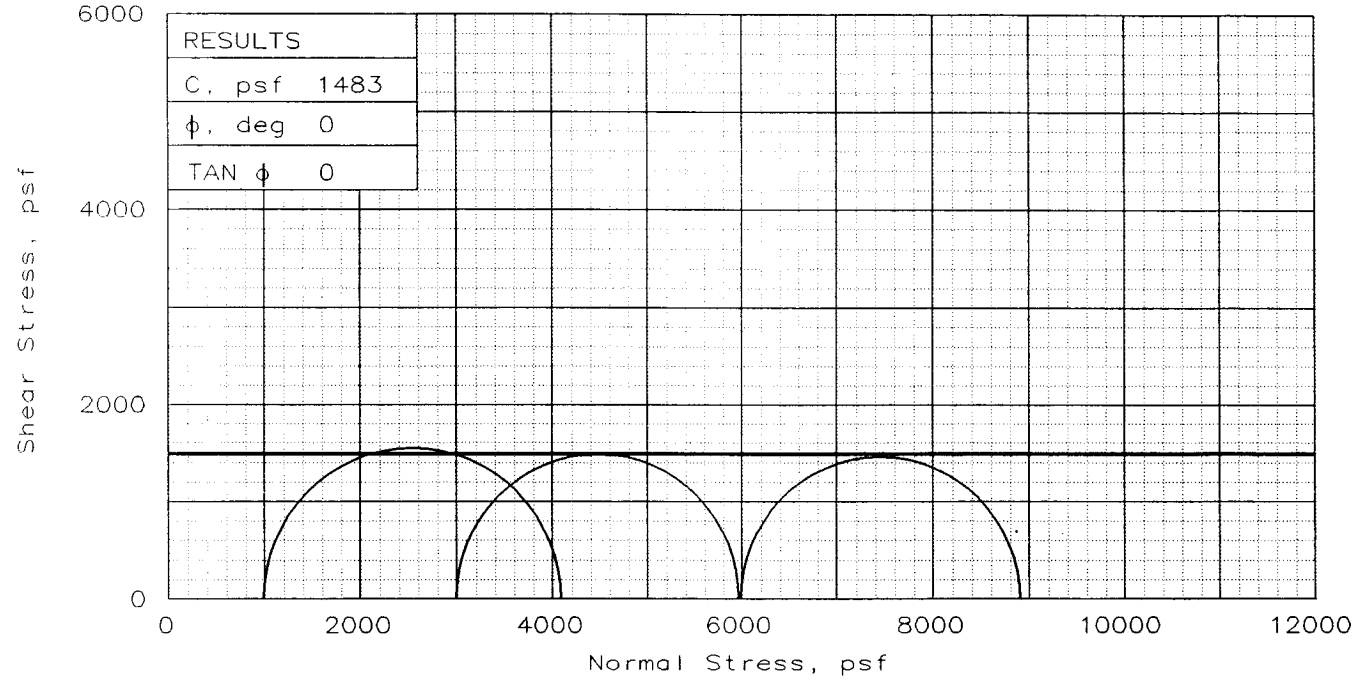
Fig. No.: ———

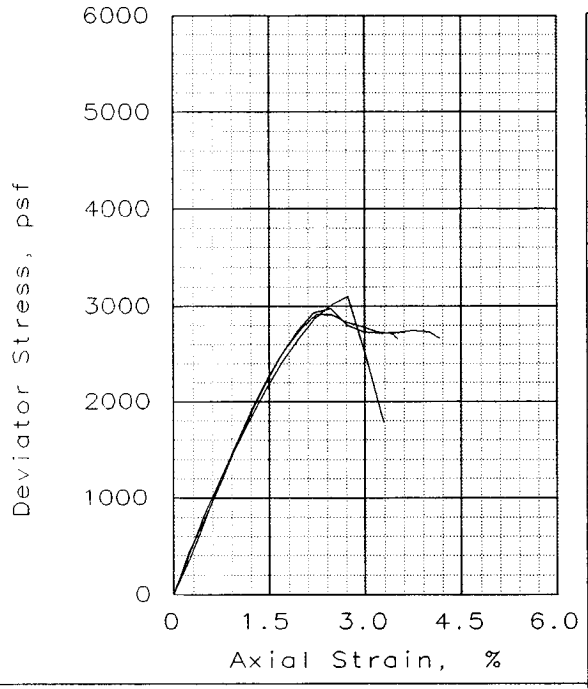
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls
at the 17th Street Canal
Location: Boring 1,
Sample 21-B, Depth 84.1', Elev. -81.6

UNCONFINED COMPRESSION TEST

Eustis Engineering Company, Inc.





SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	31.7	41.2	42.2
	DRY DENSITY, pcf	89.0	79.2	78.0
	SATURATION, %	94.4	97.3	97.0
	VOID RATIO	0.921	1.161	1.193
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
AT TEST	WATER CONTENT, %	33.6	42.3	43.4
	DRY DENSITY, pcf	89.1	79.3	78.1
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	0.919	1.158	1.190
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
Strain rate, in/min		0.0285	0.0282	0.0275
BACK PRESSURE, psf		0	0	0
CELL PRESSURE, psf		994	2995	5990
FAIL. STRESS, psf		3097	2973	2915
ULT. STRESS, psf		1786	2669	2663
σ_1 FAILURE, psf		4090	5968	8906
σ_3 FAILURE, psf		994	2995	5990

TYPE OF TEST:
Unconsolidated Undrained
SAMPLE TYPE: Undisturbed
DESCRIPTION: St T & lGr CH4
w/ Ins SM, SL
LL= 75 PL= 24 PI= 51
SPECIFIC GRAVITY= 2.74
REMARKS: Torvane = 1.000 tsf

Fig. No.: _____

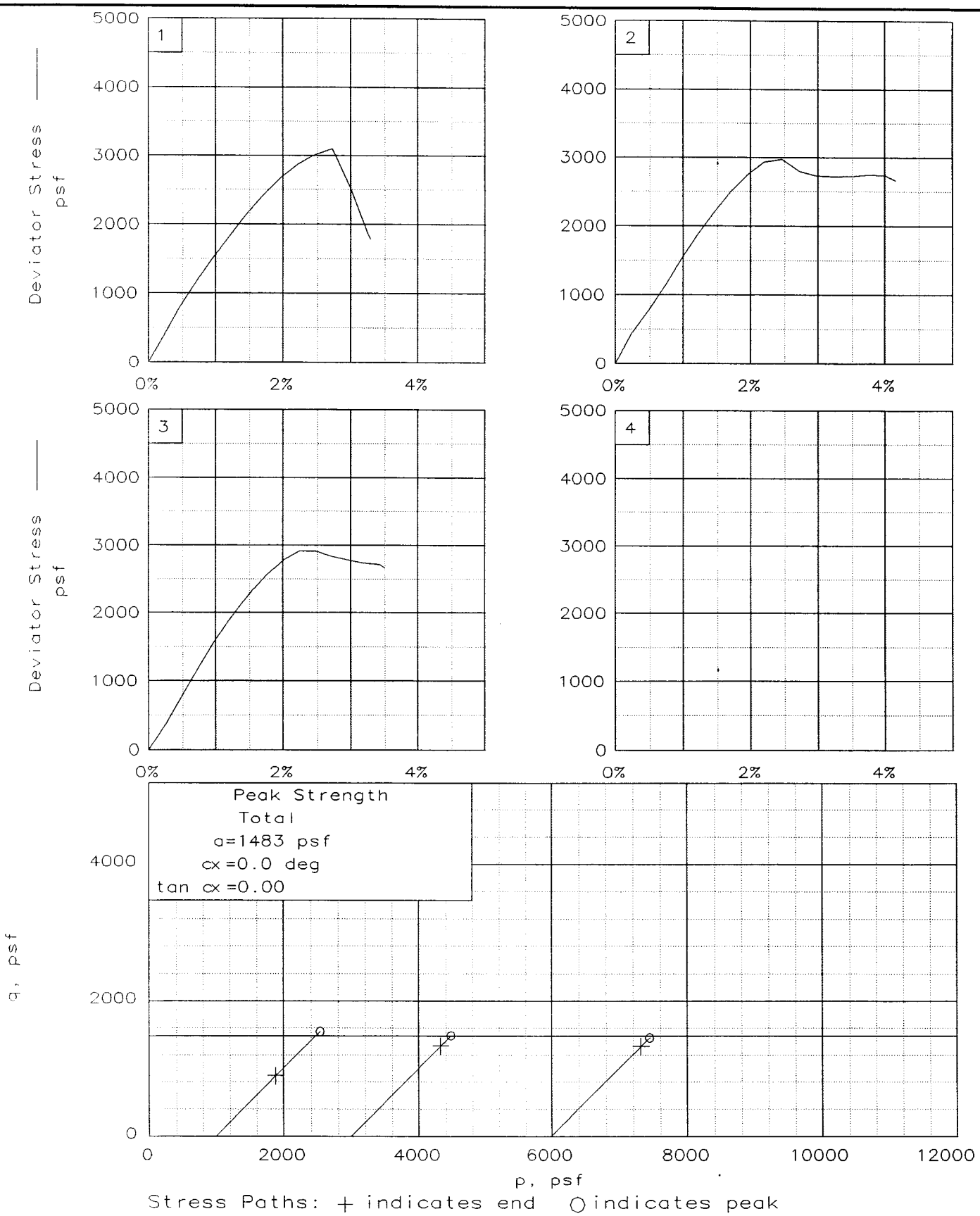
CLIENT: U.S. Army Corps of Engineers

PROJECT: Repairs to Levees and Floodwalls
at the 17th Street Canal
SAMPLE LOCATION: Boring 1,
Sample 22-B, Depth 88.1', Elev -85.6

PROJ. NO.: 19080 DATE: 10-5-05

TRIAXIAL SHEAR TEST REPORT

Eustis Engineering Company, Inc.



Stress Paths: + indicates end ○ indicates peak

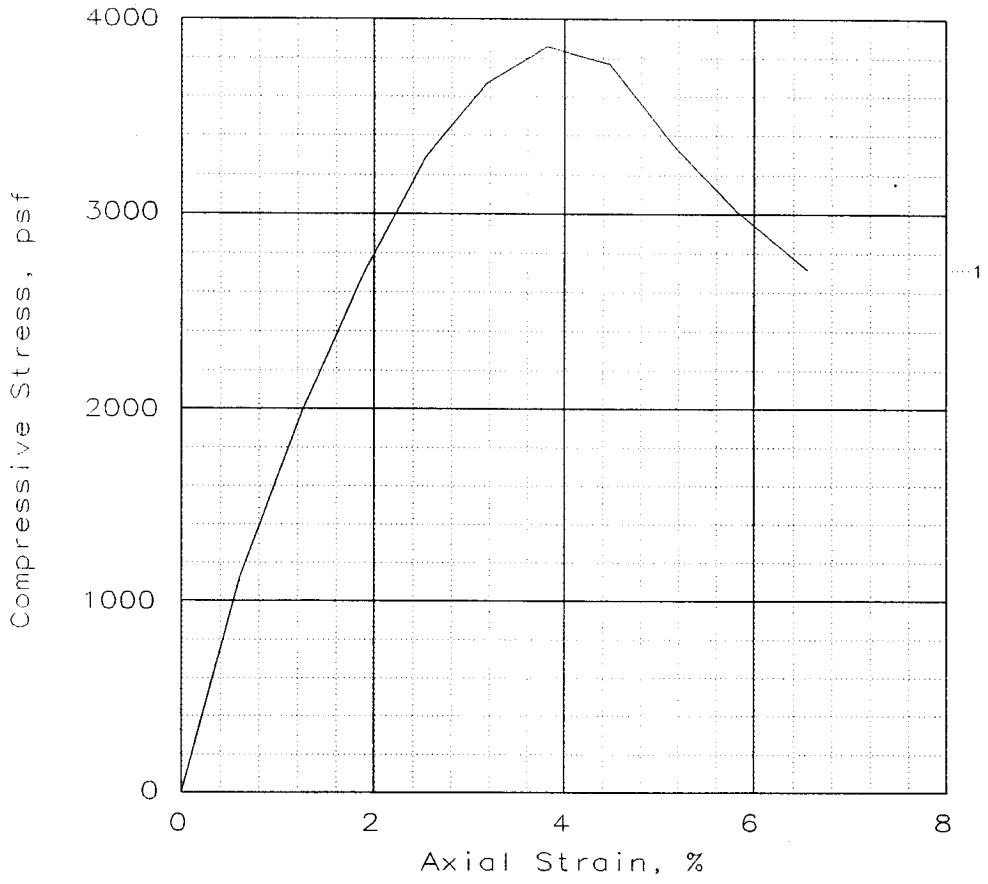
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls at the 17th Street Canal

Location: Boring 1, Sample 22-B, Depth 88.1', Elev -85.6

File: UU-25095 Project No.: 19080 Fig. No.: _____

UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	3857			
Undrained shear strength, psf	1929			
Failure strain, %	3.8			
Strain rate, in/min	0.0554			
Water content, %	41.0			
Wet density, pcf	109.9			
Dry density, pcf	78.0			
Saturation, %	94.0			
Void ratio	1.1941			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: vSt T & Gr CH4 w/ Ins ML, SL

GS= 2.74 | Type: Undisturbed

Project No.: 19080
Date: 10-5-05
Remarks:
Torvane = 0.800 tsf

Fig. No.: ———

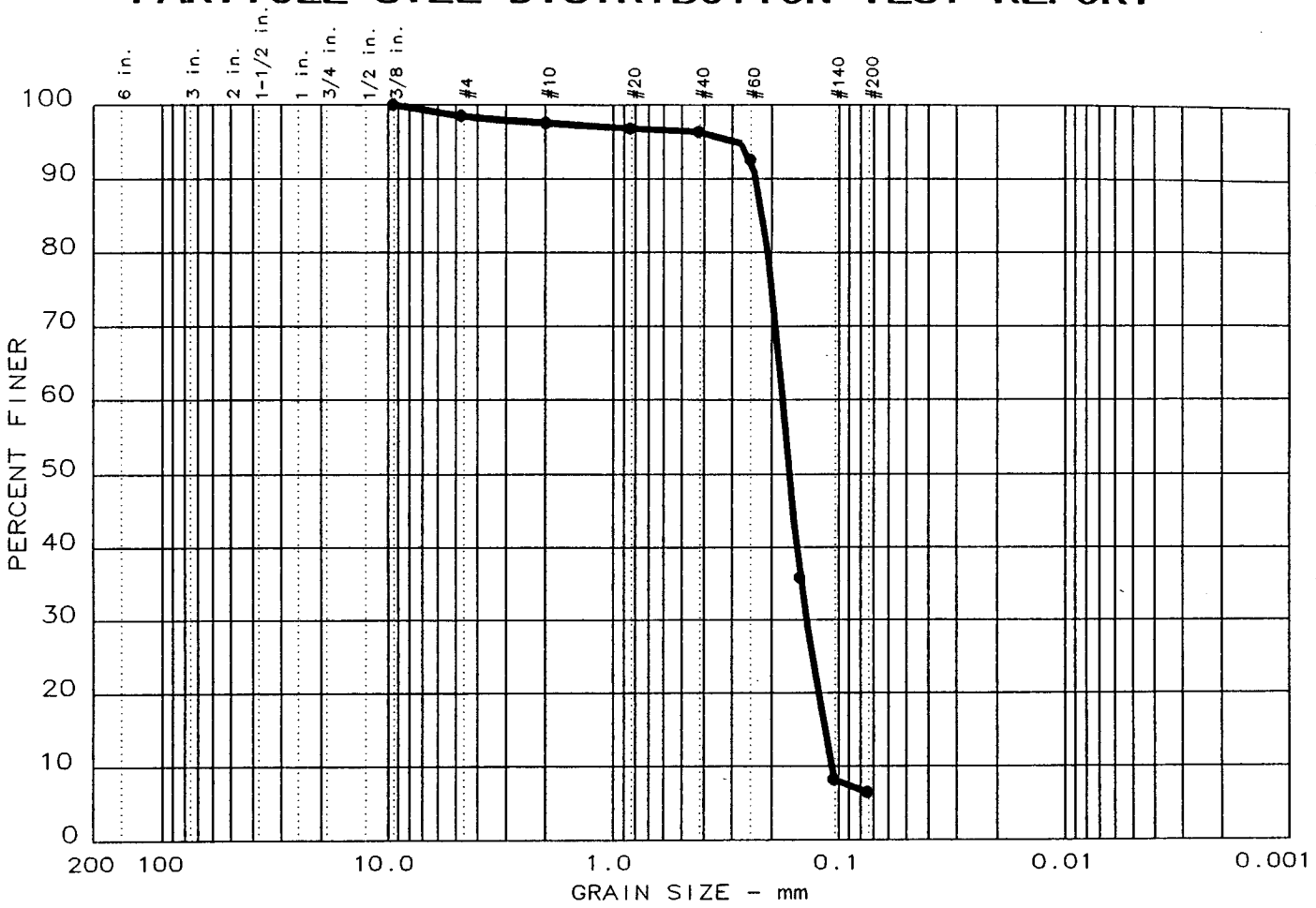
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls
at the 17th Street Canal.
Location: Boring 1,
Sample 23-B, Depth 92.1', Elev. -89.6

UNCONFINED COMPRESSION TEST

Eustis Engineering Company, Inc.

PARTICLE SIZE DISTRIBUTION TEST REPORT



	Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
●	7	0.0	1.5	92.0	6.5		SP		

SIEVE inches size	PERCENT FINER ●		
0.375	100.0		
	GRAIN SIZE		
D_{60}	0.18		
D_{30}	0.14		
D_{10}	0.10		
	COEFFICIENTS		
C_c	1.01		
C_u	1.6		

SIEVE number size	PERCENT FINER ●		
4	98.5		
10	97.6		
20	96.8		
40	96.4		
60	92.5		
100	35.8		
140	8.2		
200	6.5		

Sample information:
● Boring 1, Sample 9
GR SP
W/ TR SLF

Remarks:
Sample depth 41.0'

Eustis Engineering Company, Inc.

Project No.: 19080
Project: USACE - 17TH Street Canal

Date: 10-13-05 Data Sheet No. ——