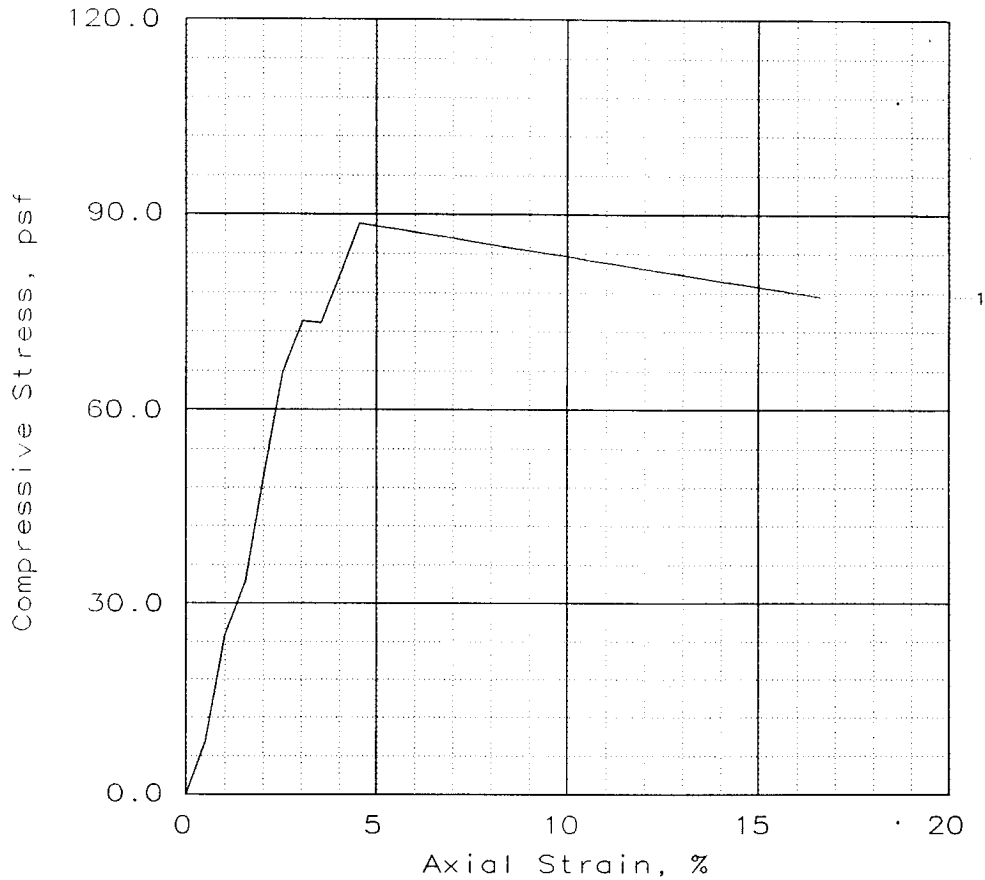


## UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	73.7			
Undrained shear strength, psf	36.8			
Failure strain, %	3.0			
Strain rate, in/min	0.0576			
Water content, %	92.8			
Wet density, pcf	90.9			
Dry density, pcf	47.1			
Saturation, %	96.7			
Void ratio	2.6292			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: vSo Gr CH4 w/ Tr-wd

GS= 2.74      Type: Undisturbed

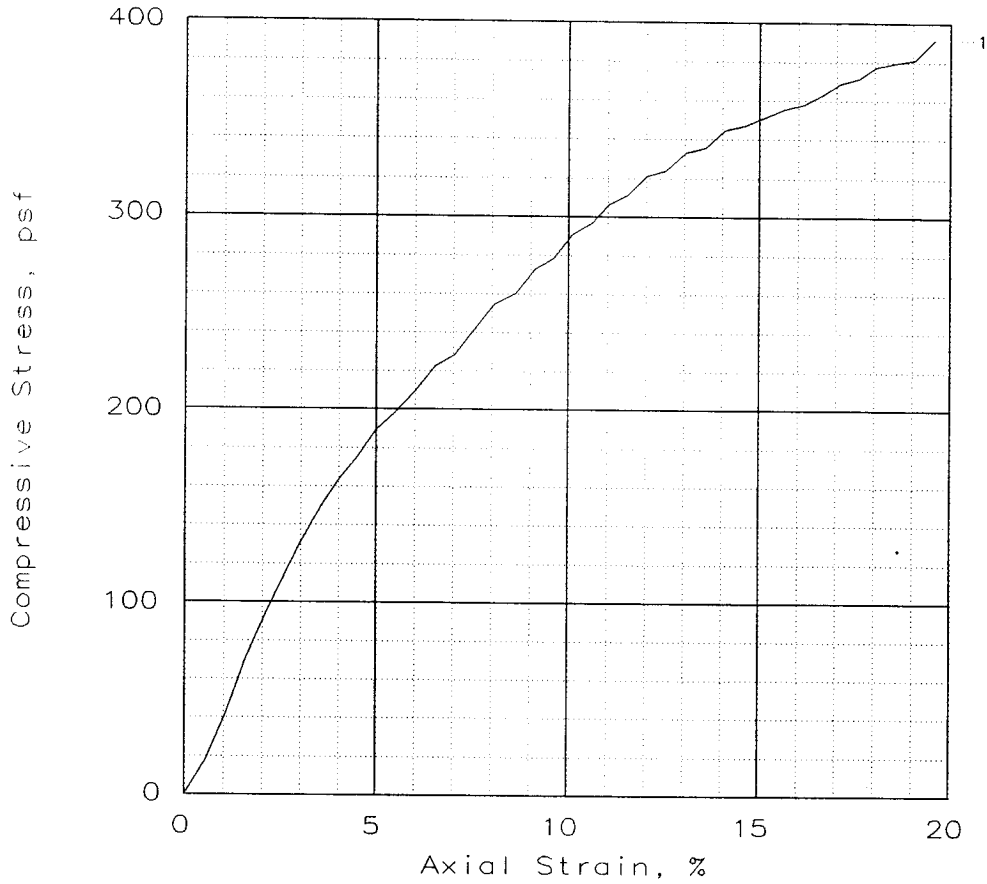
Project No.: 19080  
 Date: 9-30-05  
 Remarks:  
 Torvane = 0.070 tsf

Fig. No.: \_\_\_\_\_

Client: U.S. Army Corps of Engineers  
 Project: Repairs to Levees and Floodwalls  
 at the 17th Street Canal  
 Location: Boring 3,  
 Sample 1-B, Depth 15.1', Elev. -13.3

**UNCONFINED COMPRESSION TEST**  
**Eustis Engineering Company, Inc.**

## UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	391			
Undrained shear strength, psf	196			
Failure strain, %	19.6			
Strain rate, in/min	0.0565			
Water content, %	35.0			
Wet density, pcf	112.9			
Dry density, pcf	83.6			
Saturation, %	94.2			
Void ratio	0.9935			
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: 9-30-05

Remarks:

Torvane = 0.110 tsf

Client: U.S. Army Corps of Engineers

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

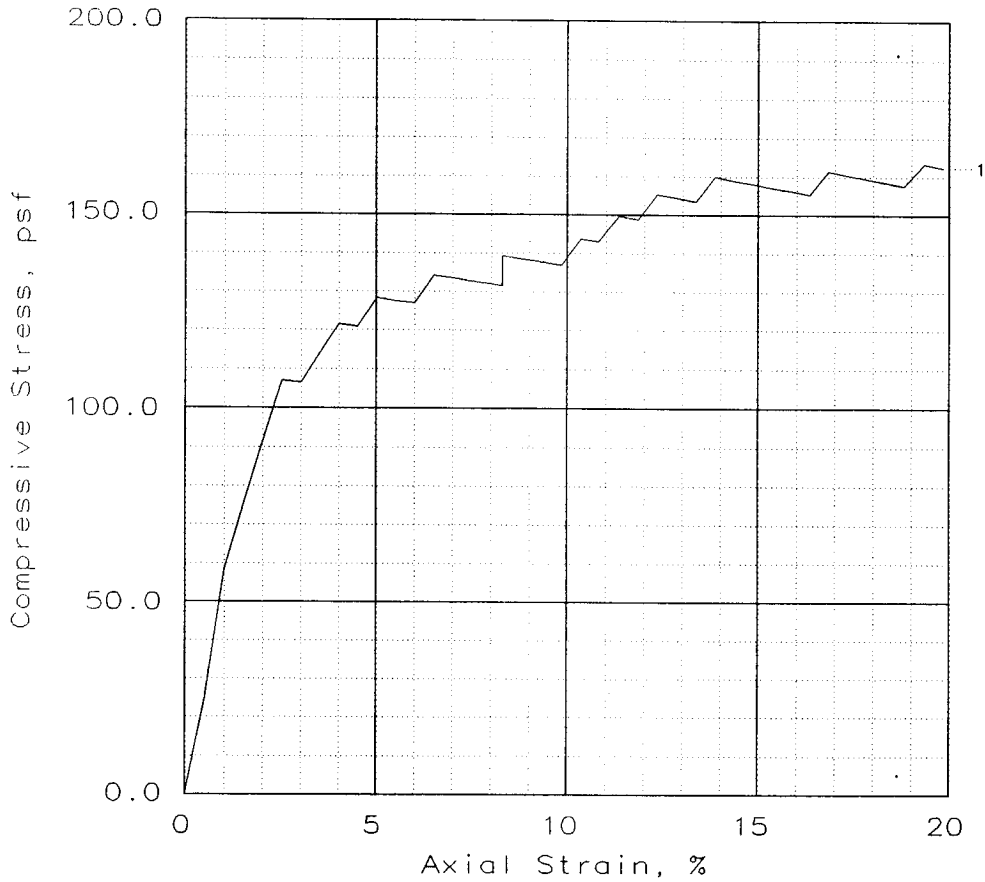
Location: Boring 3,  
Sample 2-B, Depth 19.1', Elev. -17.3

UNCONFINED COMPRESSION TEST

**Eustis Engineering Company, Inc.**

Fig. No.: \_\_\_\_\_

## UNCONFINED COMPRESSION TEST



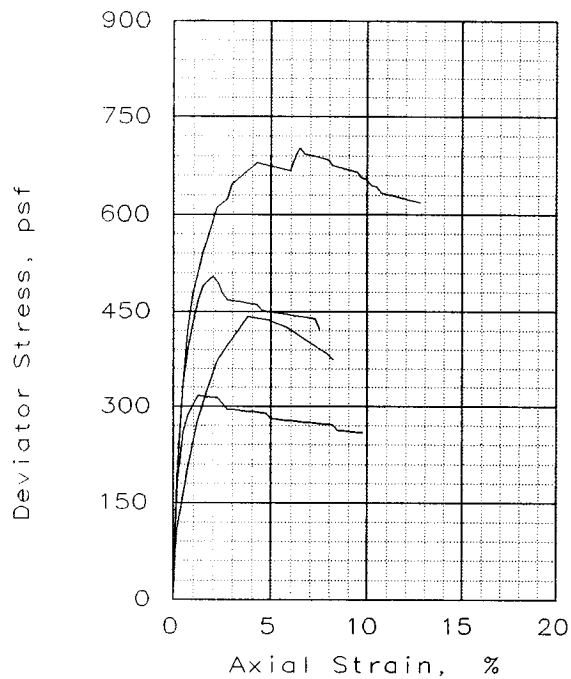
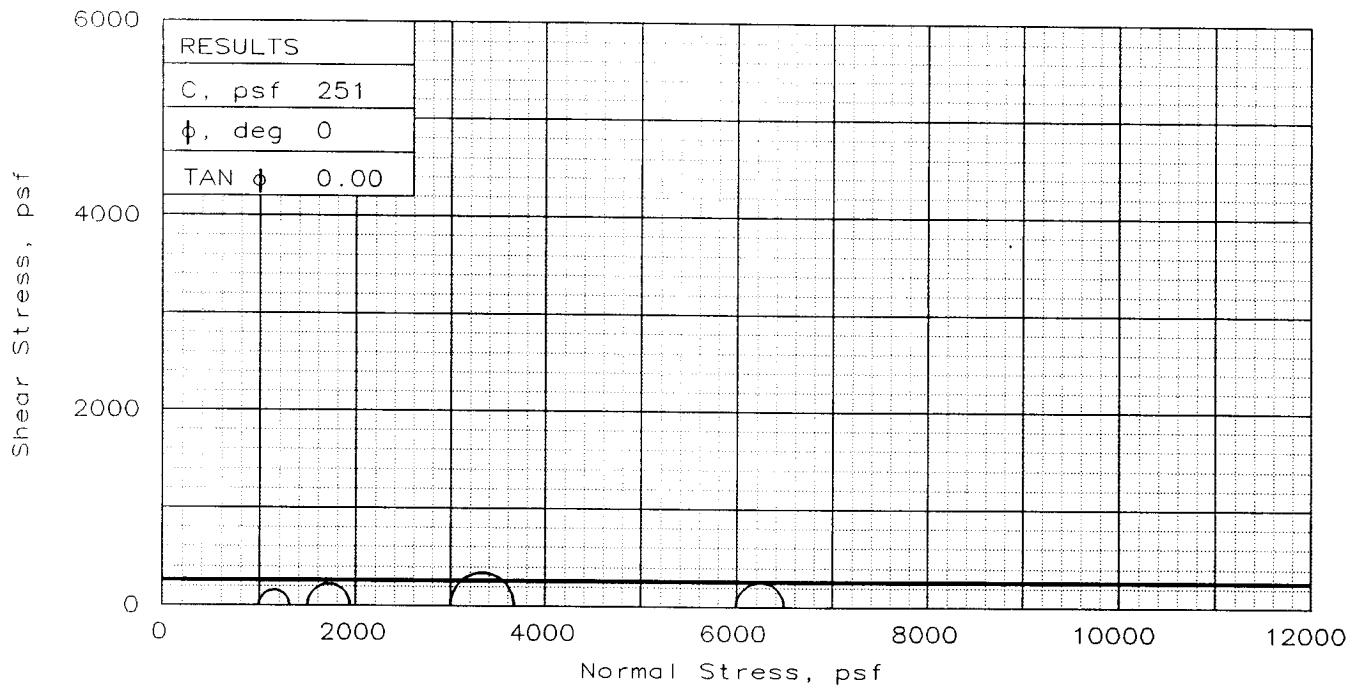
SPECIMEN NO.:	1			
Unconfined strength, psf	121.5			
Undrained shear strength, psf	60.8			
Failure strain, %	4.0			
Strain rate, in/min	0.0425			
Water content, %	78.8			
Wet density, pcf	95.4			
Dry density, pcf	53.4			
Saturation, %	97.9			
Void ratio	2.2039			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: vSo Gr CH4

	GS= 2.74	Type: Undisturbed
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Project No.: 19080 Date: 9-30-05 Remarks: Torvane = 0.110 tsf	Client: U.S. Army Corps of Engineers Project: Repairs to Levees and Floodwalls at the 17th Street Canal Location: Boring 3, Sample 4-B, Depth 27.1', Elev. -25.3
UNCONFINED COMPRESSION TEST <b>Eustis Engineering Company, Inc.</b>	

Fig. No.: \_\_\_\_\_



SPECIMEN NO.:		1	2	3	4
INITIAL	WATER CONTENT, %	78.9	78.7	80.6	78.9
	DRY DENSITY, pcf	52.8	52.1	51.1	52.6
	SATURATION, %	96.4	94.5	94.0	96.0
	VOID RATIO	2.242	2.282	2.349	2.251
	DIAMETER, in	1.39	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93	2.93
AT TEST	WATER CONTENT, %	81.8	83.2	85.6	82.1
	DRY DENSITY, pcf	52.8	52.1	51.1	52.6
	SATURATION, %	100.0	100.0	100.0	100.0
	VOID RATIO	2.242	2.281	2.345	2.249
	DIAMETER, in	1.39	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93	2.93
Strain rate, in/min		0.0290	0.0290	0.0289	0.0293
BACK PRESSURE, psf		0	0	0	0
CELL PRESSURE, psf		994	2995	5990	1498
FAIL. STRESS, psf		317	679	505	442
ULT. STRESS, psf		259	619	422	375
$\sigma_1$ FAILURE, psf		1310	3674	6495	1940
$\sigma_3$ FAILURE, psf		994	2995	5990	1498

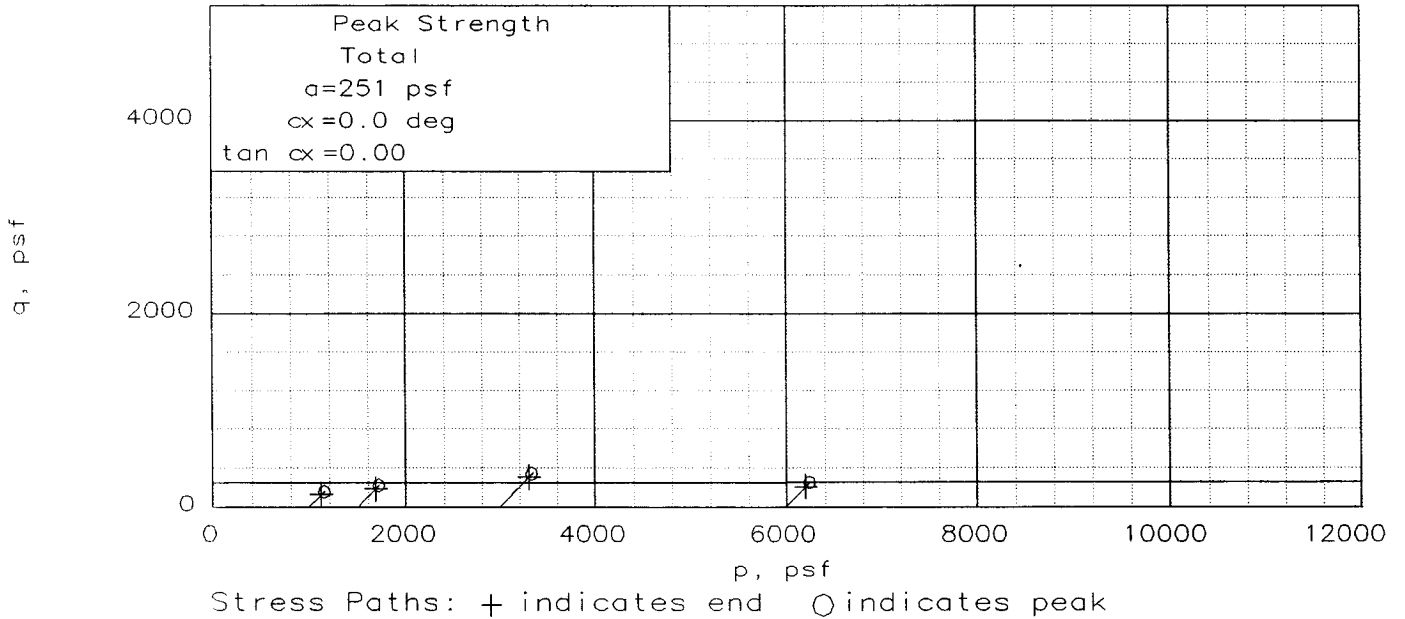
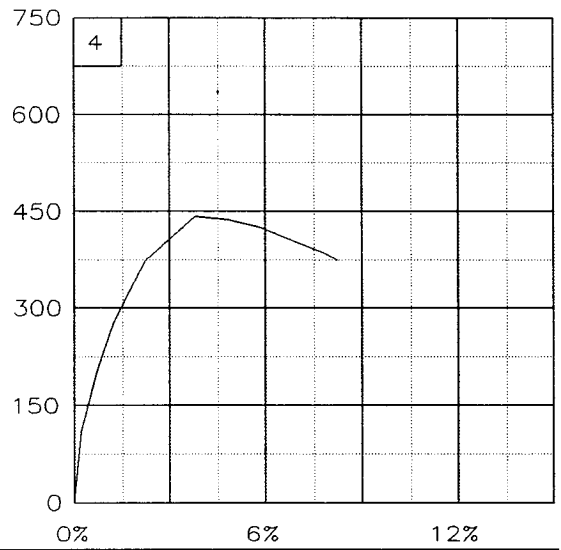
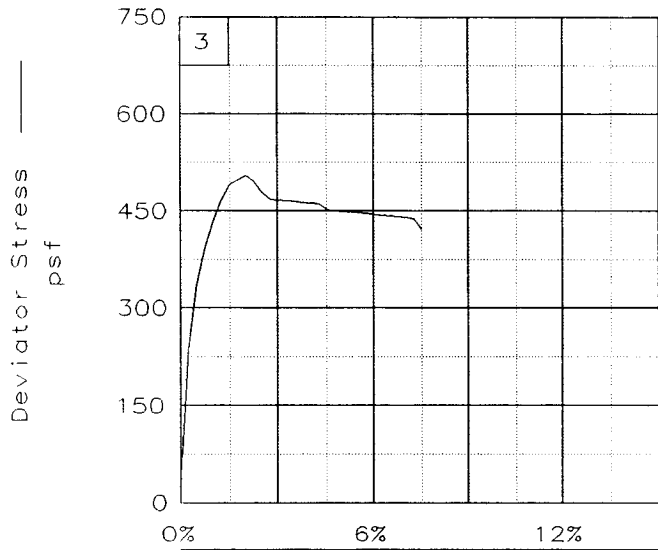
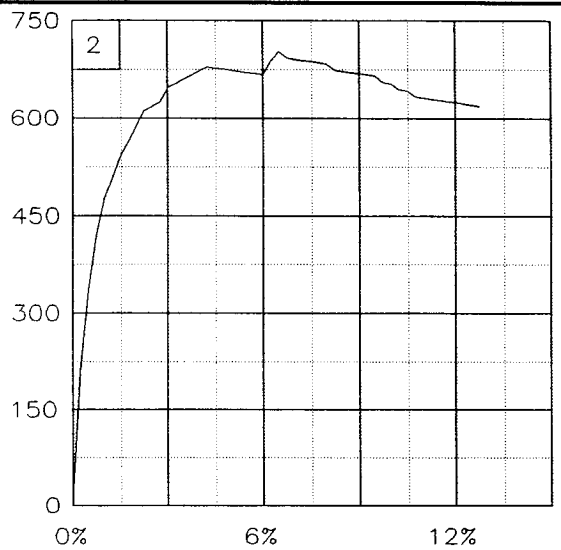
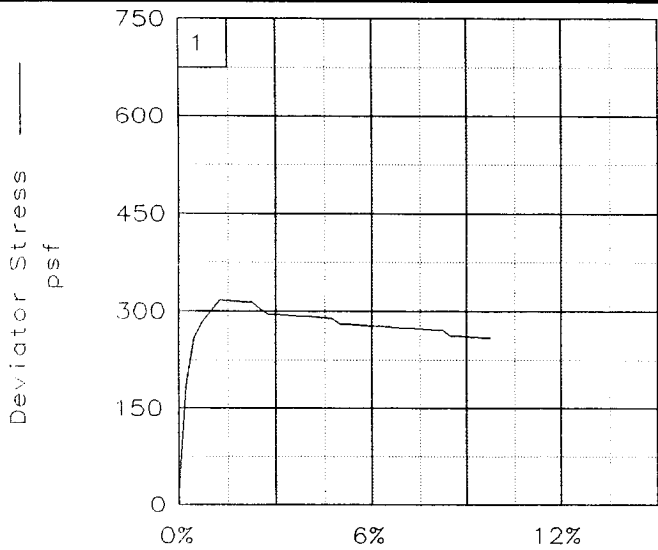
TYPE OF TEST:  
 Unconsolidated Undrained  
 SAMPLE TYPE: Undisturbed  
 DESCRIPTION: So Gr CH4  
 w/ SL  
 LL= 87      PL= 24      PI= 63  
 SPECIFIC GRAVITY= 2.74  
 REMARKS: Torvane = 0.200 tsf

CLIENT: U.S. Army Corps of Engineers  
 PROJECT: Repairs to Levees and Floodwalls  
 at the 17th Street Canal  
 SAMPLE LOCATION: Boring 3,  
 Sample 5-B, Depth 31.1', Elev -29.3  
 PROJ. NO.: 19080      DATE: 10/24/05

TRIAXIAL SHEAR TEST REPORT

Eustis Engineering Company, Inc.

Fig. No.: \_\_\_\_\_



Client: U.S. Army Corps of Engineers

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

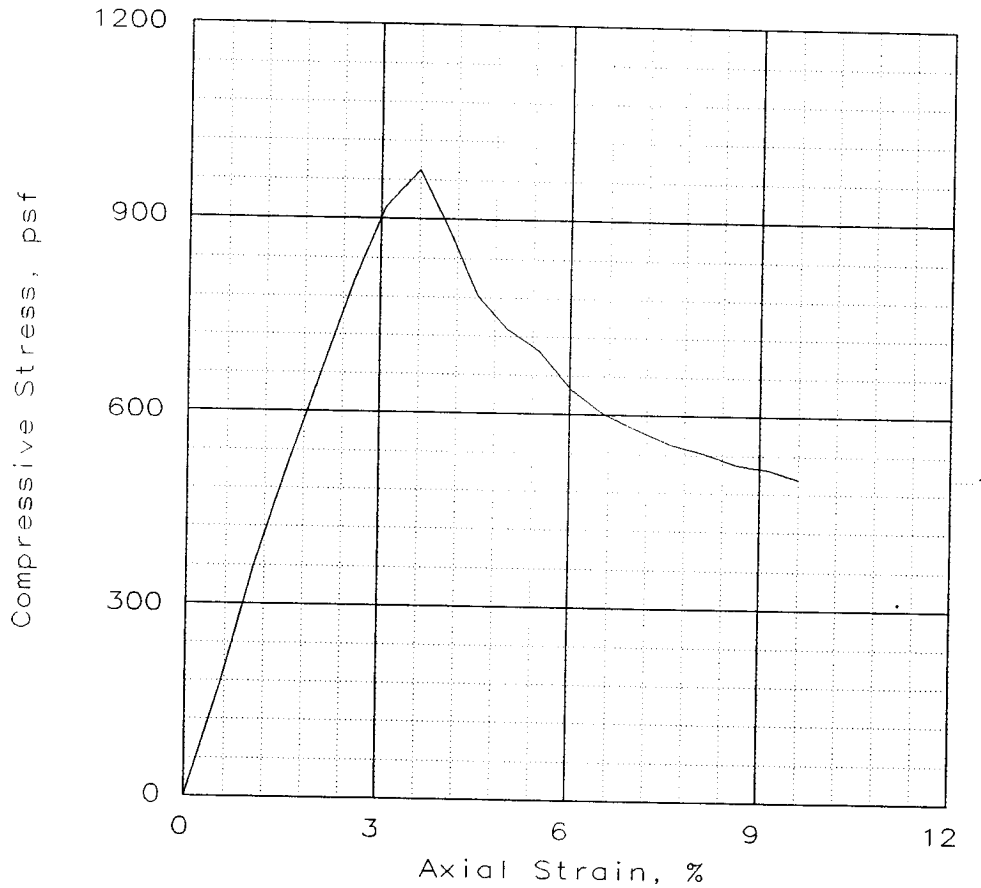
Location: Boring 3, Sample 5-B, Depth 31.1', Elev -29.3

File: UU-25157

Project No.: 19080

Fig. No.: \_\_\_\_\_

# UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	976			
Undrained shear strength, psf	488			
Failure strain, %	3.6			
Strain rate, in/min	0.0297			
Water content, %	78.5			
Wet density, pcf	94.2			
Dry density, pcf	52.8			
Saturation, %	96.0			
Void ratio	2.2415			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: So Gr CH4 w/ SL

GS= 2.74

Type: Undisturbed

Project No.: 19080

Date: 9-30-05

Remarks:

Torvane = 0.230 tsf

Client: U.S. Army Corps of Engineers

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

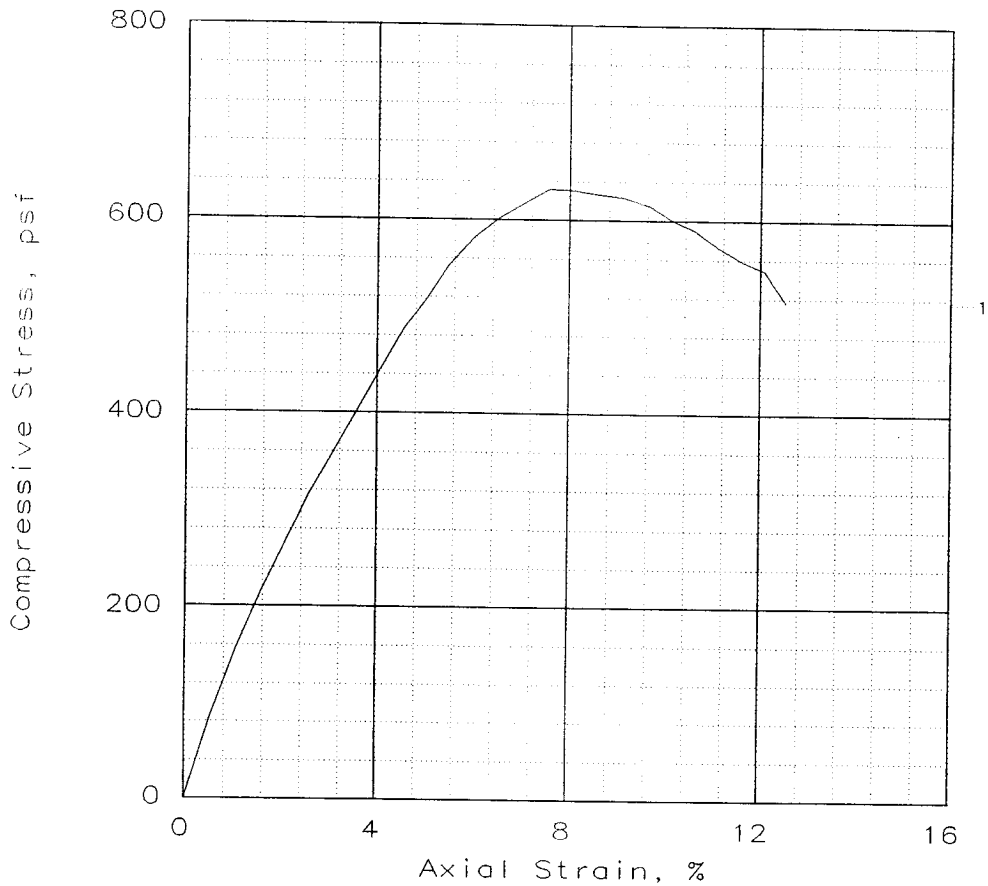
Location: Boring 3,  
Sample 6-B, Depth 35.1', Elev. -33.3

UNCONFINED COMPRESSION TEST

**Eustis Engineering Company, Inc.**

Fig. No.: \_\_\_\_\_

# UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	632			
Undrained shear strength, psf	316			
Failure strain, %	7.6			
Time to failure, min	0			
Water content, %	46.7			
Wet density, pcf	105.0			
Dry density, pcf	71.5			
Saturation, %	93.0			
Void ratio	1.3566			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: So Gr CH2

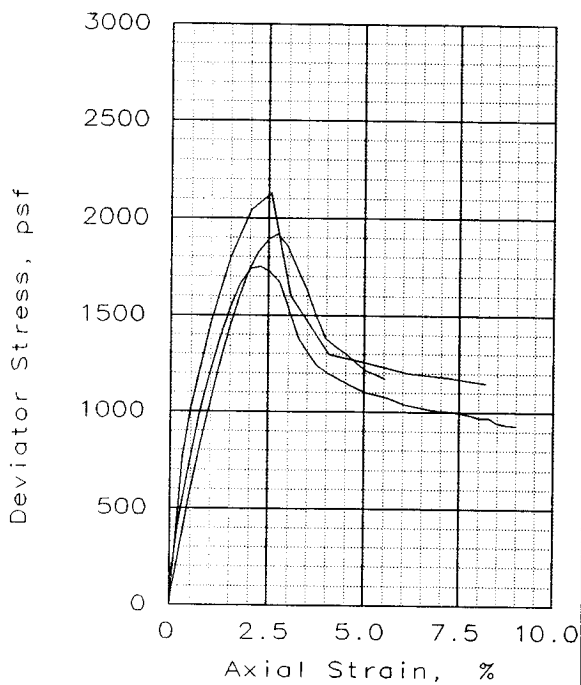
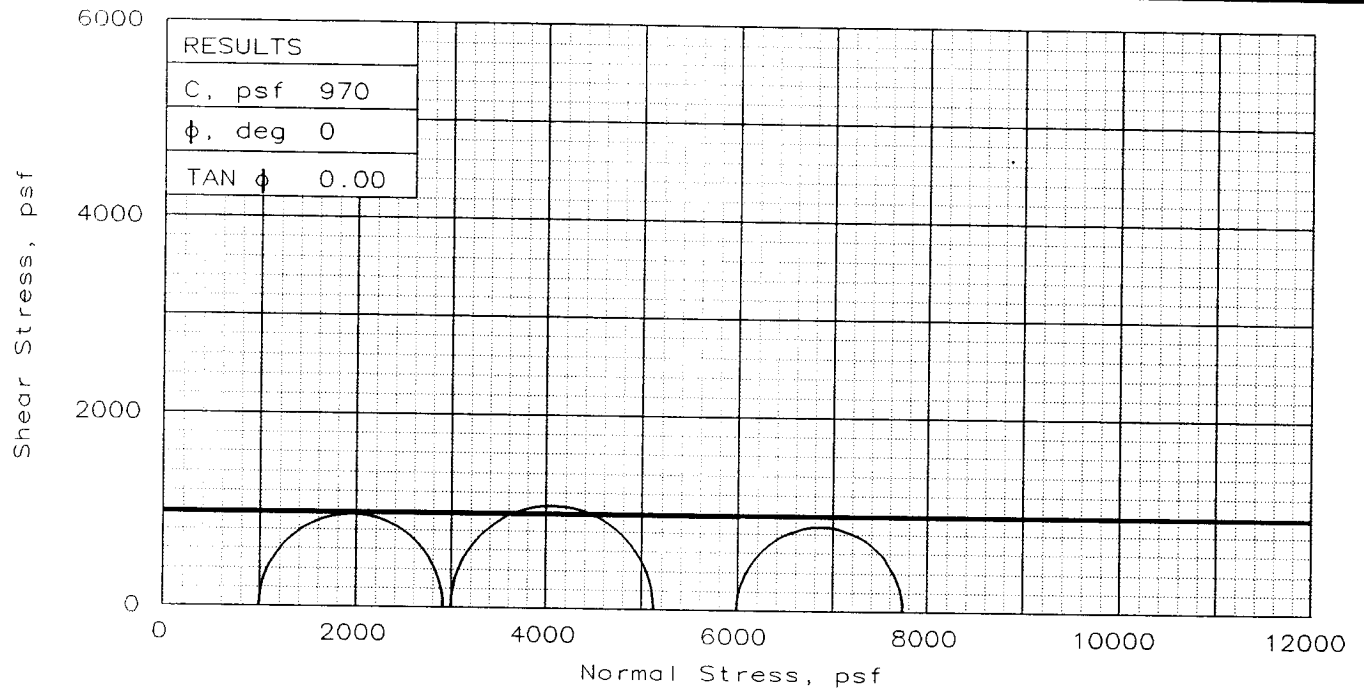
GS= 2.7      Type: Undisturbed

Project No.: 19080  
 Date: 9-30-05  
 Remarks:  
 Torvane = 0.280 tsf

Fig. No.: \_\_\_\_\_

Client: U.S. Army Corps of Engineers  
 Project: Repairs to Levees and Floodwalls  
 at the 17th Street Canal  
 Location: Boring 3,  
 Sample 12-B, Depth 51.1', Elev. -49.3

UNCONFINED COMPRESSION TEST  
**Eustis Engineering Company, Inc.**



SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	72.4	78.7	76.1
	DRY DENSITY, pcf	55.4	52.8	53.1
	SATURATION, %	94.9	96.2	94.0
	VOID RATIO	2.090	2.242	2.220
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
AT TEST	WATER CONTENT, %	76.3	81.8	80.8
	DRY DENSITY, pcf	55.4	52.8	53.2
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	2.090	2.241	2.215
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
Strain rate, in/min		0.0286		0.0285
BACK PRESSURE, psf		0	0	0
CELL PRESSURE, psf		994	2995	5990
FAIL. STRESS, psf		1921	2131	1751
ULT. STRESS, psf		1172	1150	930
$\sigma_1$ FAILURE, psf		2915	5126	7741
$\sigma_3$ FAILURE, psf		994	2995	5990

TYPE OF TEST:  
 Unconsolidated Undrained  
 SAMPLE TYPE: Undisturbed  
 DESCRIPTION: M Gr CH4  
 w/ Ins SM, SIF, SL  
 LL= 95      PL= 29      PI= 66  
 SPECIFIC GRAVITY= 2.74  
 REMARKS: Torvane = 0.300 tsf

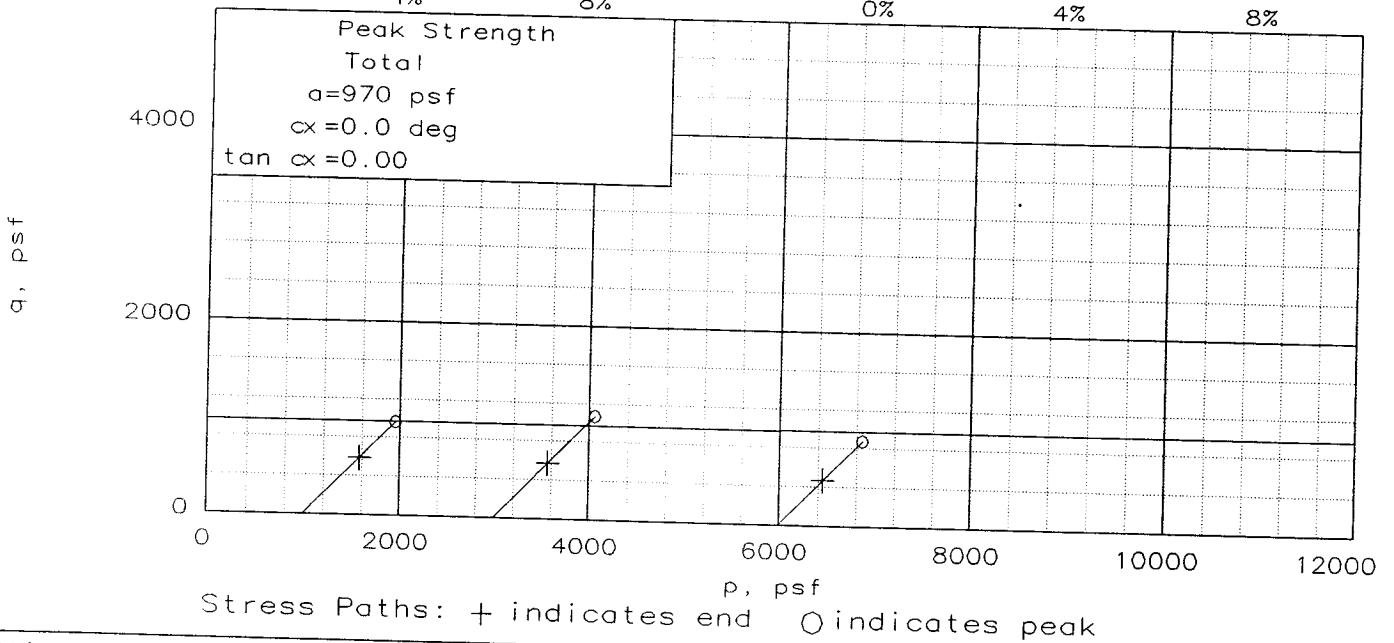
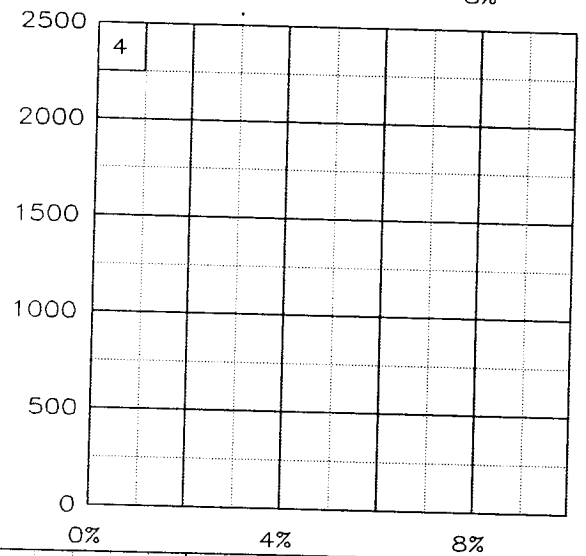
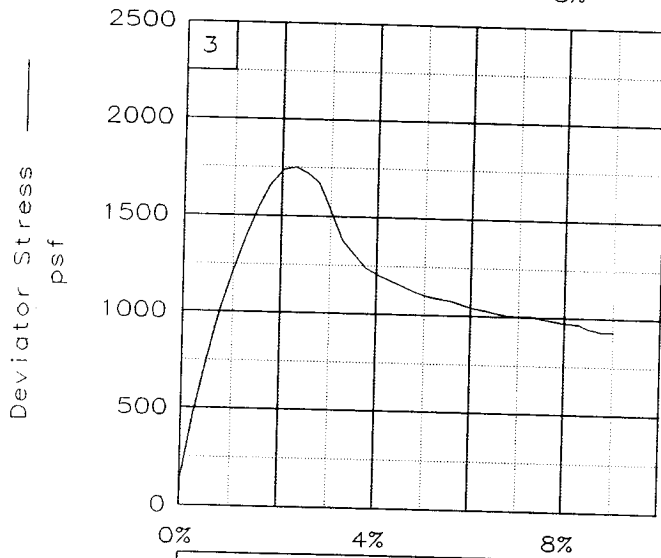
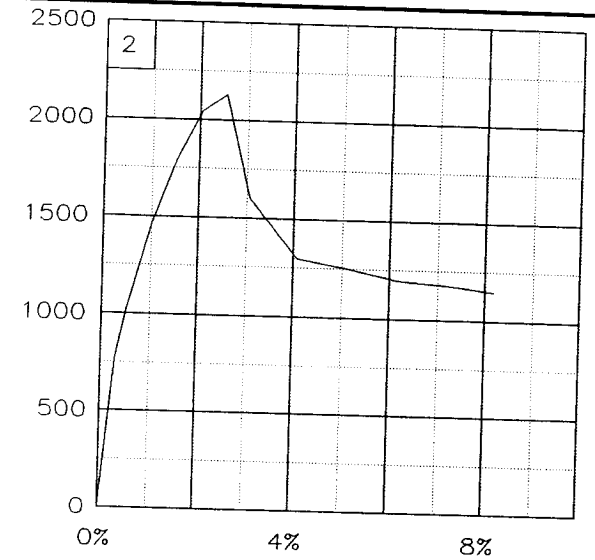
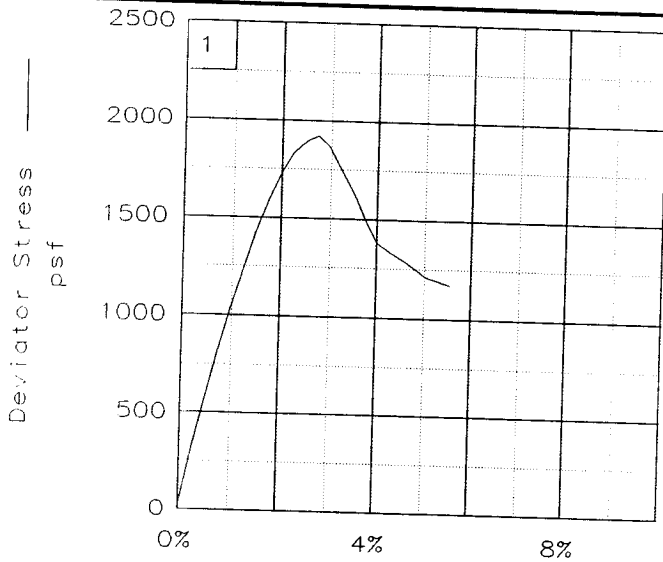
CLIENT: U.S. Army Corps of Engineers  
 PROJECT: Repairs to Levees and Floodwalls  
 at the 17th Street Canal  
 SAMPLE LOCATION: Boring 3,  
 Sample 13-B, Depth 55.1', Elev -53.3  
 PROJ. NO.: 19080      DATE: 10/24/05

TRIAXIAL SHEAR TEST REPORT

Eustis Engineering Company, Inc.

Fig. No.: \_\_\_\_\_





Client: U.S. Army Corps of Engineers

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

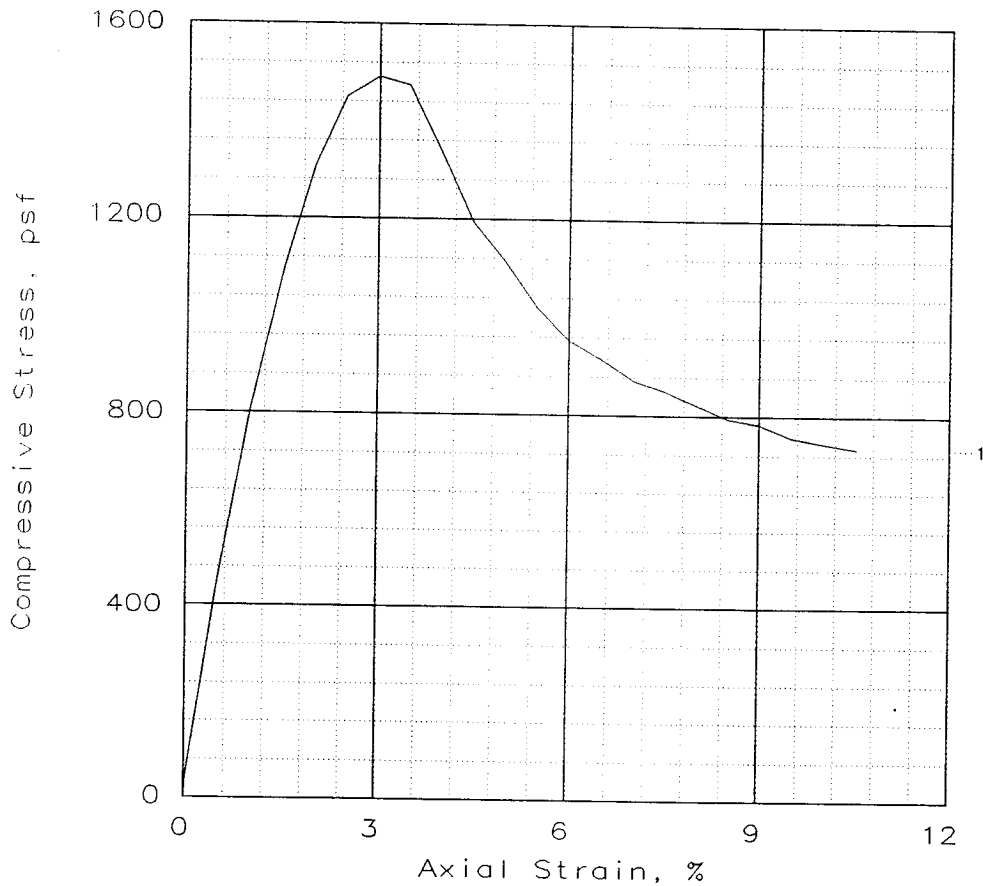
Location: Boring 3, Sample 13-B, Depth 55.1', Elev -53.3

File: UU-25158

Project No.: 19080

Fig. No.: \_\_\_\_\_

# UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	1490			
Undrained shear strength, psf	745			
Failure strain, %	3.0			
Strain rate, in/min	0.0560			
Water content, %	57.5			
Wet density, pcf	101.3			
Dry density, pcf	64.3			
Saturation, %	94.9			
Void ratio	1.6598			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: M Gr CH4 w/ SIF, SL

GS= 2.74

Type: Undisturbed

Project No.: 19080

Date: 9-30-05

Remarks:

Torvane = 0.350 tsf

Client: U.S. Army Corps of Engineers

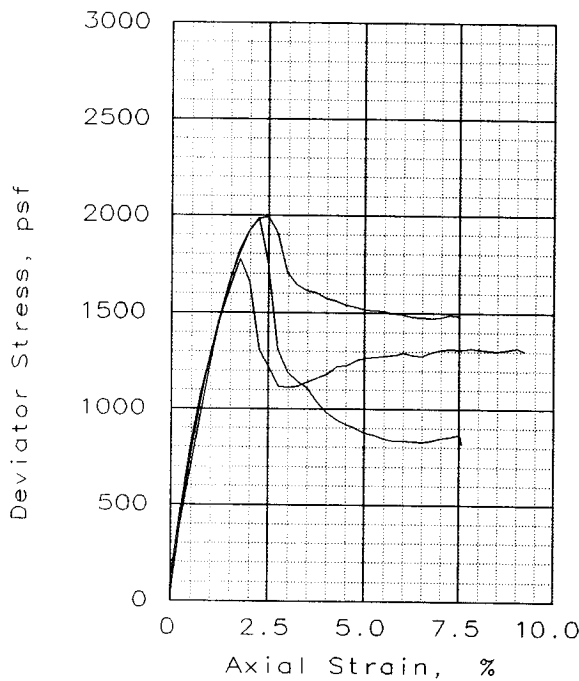
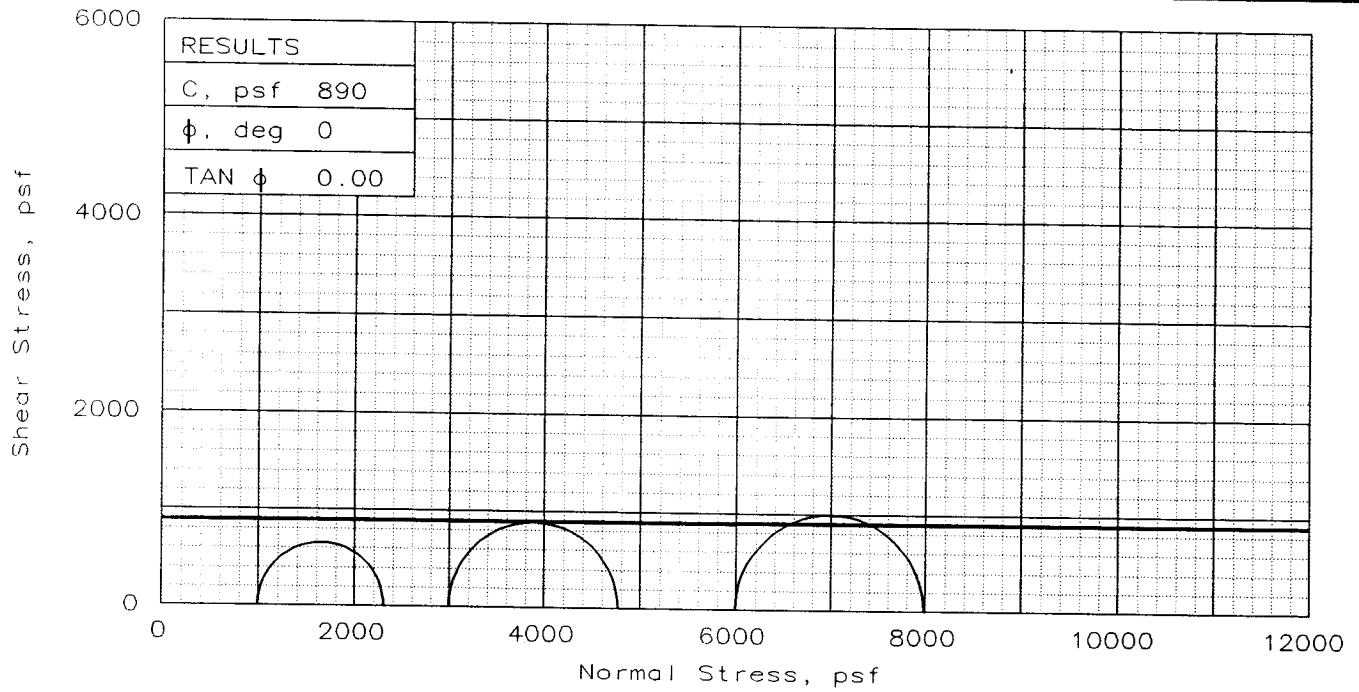
Project: Repairs to Levees and Floodwalls  
at the 17th Street Canal

Location: Boring 3,  
Sample 14-C, Depth 60.0', Elev. -58.2

UNCONFINED COMPRESSION TEST

**Eustis Engineering Company, Inc.**

Fig. No.: \_\_\_\_\_



SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	59.2	59.7	58.1
	DRY DENSITY, pcf	63.1	62.9	62.8
	SATURATION, %	95.0	95.5	92.9
	VOID RATIO	1.693	1.701	1.703
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
AT TEST	WATER CONTENT, %	62.2	62.4	62.5
	DRY DENSITY, pcf	63.1	62.9	62.9
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	1.693	1.698	1.699
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
Strain rate, in/min		0.0284	0.0288	0.0289
BACK PRESSURE, psf		0	0	0
CELL PRESSURE, psf		994	2995	5990
FAIL. STRESS, psf		1314	1776	1994
ULT. STRESS, psf		819	1303	1461
$\sigma_1$ FAILURE, psf		2307	4771	7984
$\sigma_3$ FAILURE, psf		994	2995	5990

TYPE OF TEST:  
Unconsolidated Undrained

SAMPLE TYPE: Undisturbed

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

LL= 83      PL= 22      PI= 61

SPECIFIC GRAVITY= 2.72

REMARKS: Torvane = 0.370 tsf

CLIENT: U.S. Army Corps of Engineers

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

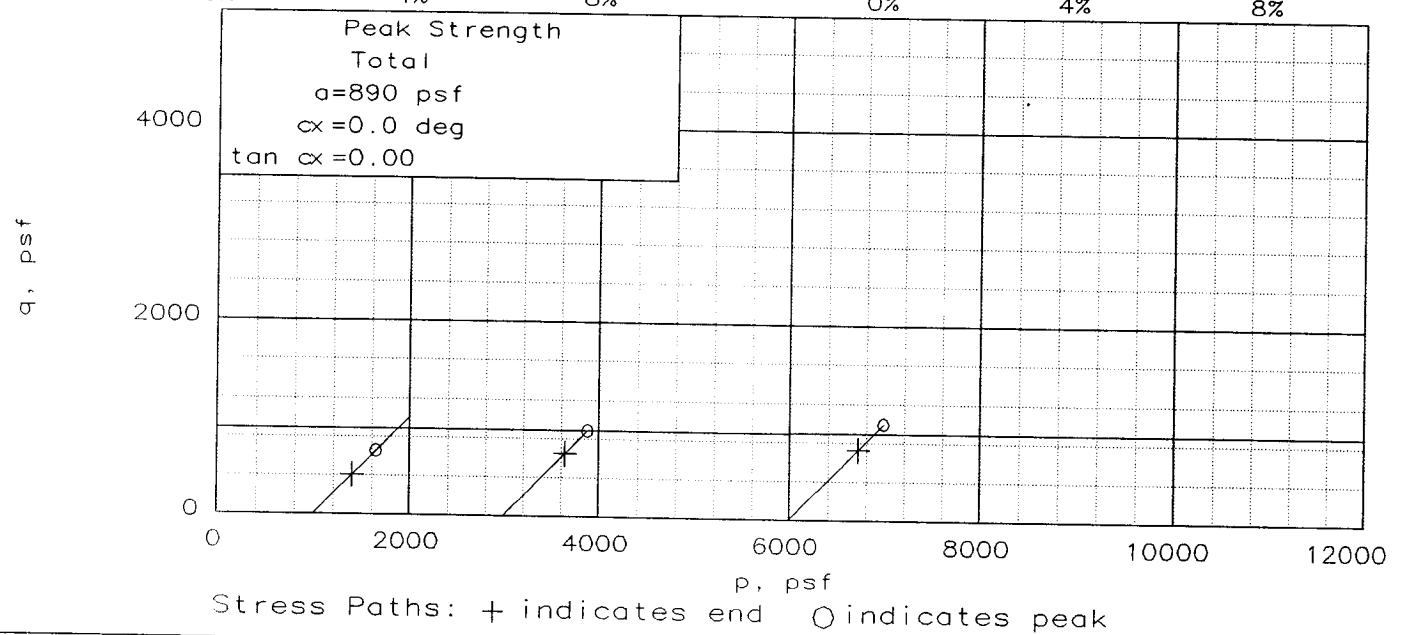
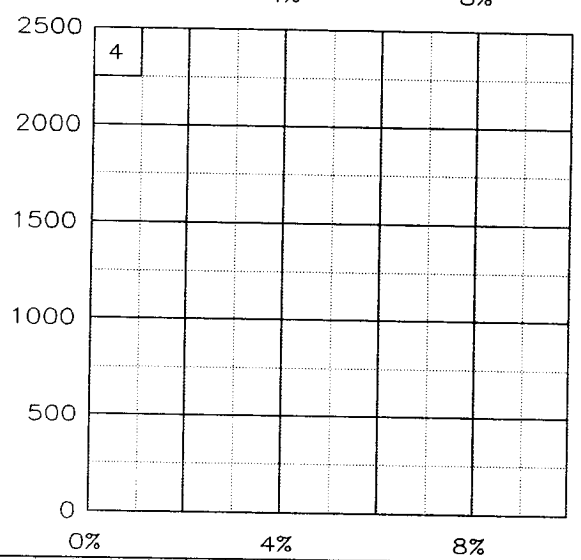
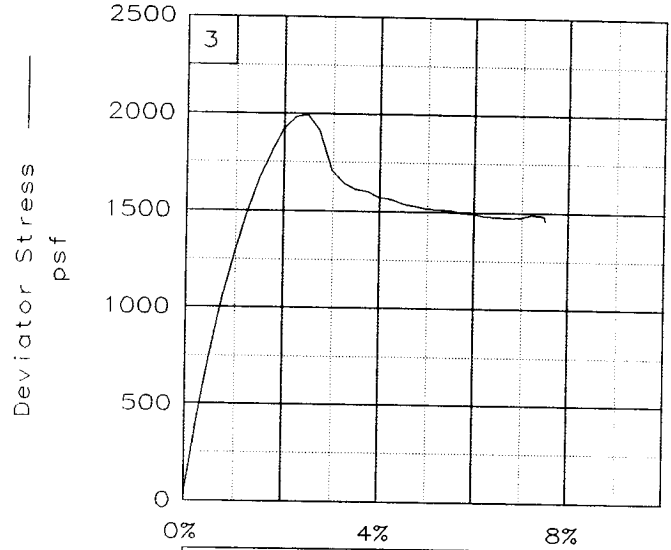
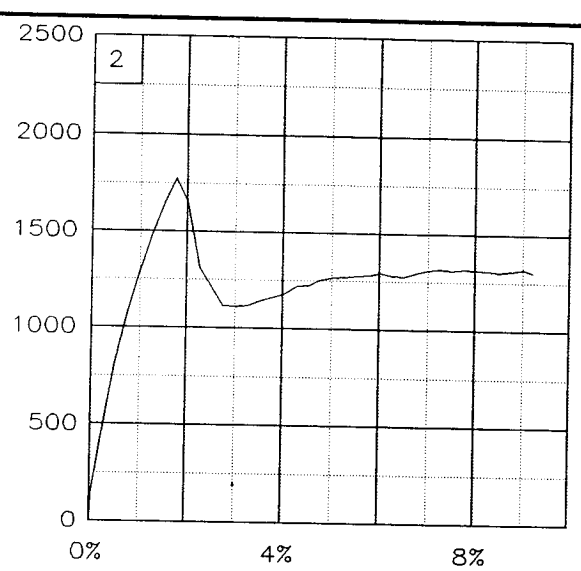
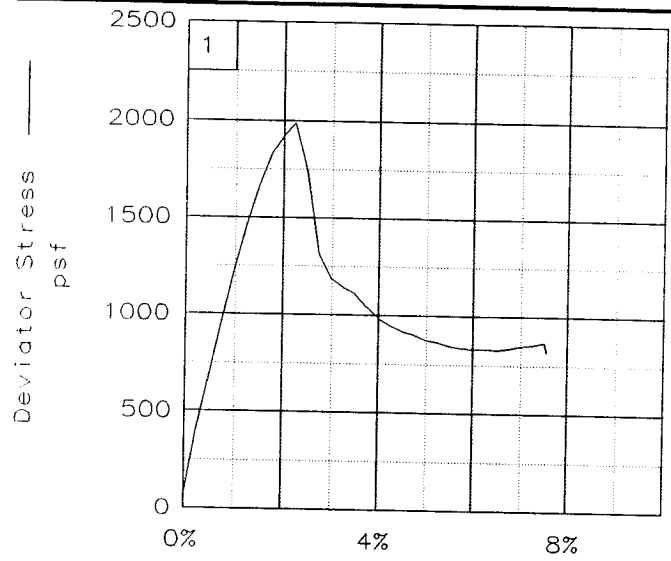
SAMPLE LOCATION: Boring 3,  
Sample 15-B, Depth 63.1', Elev -61.3

PROJ. NO.: 19080      DATE: 10/24/05

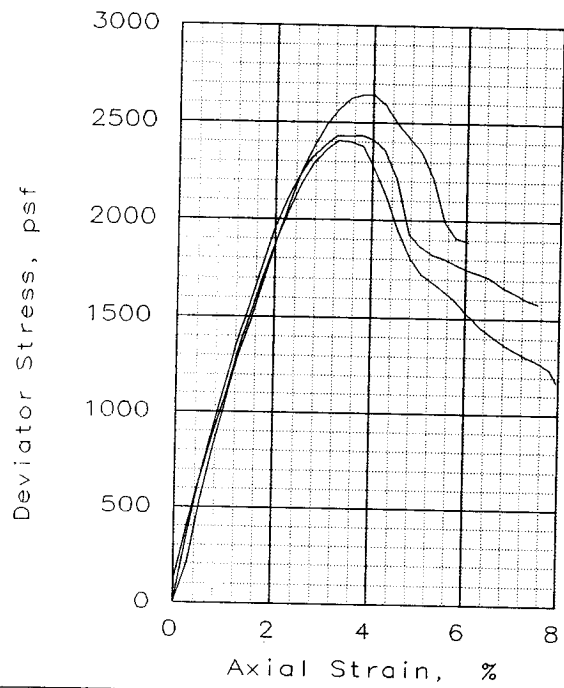
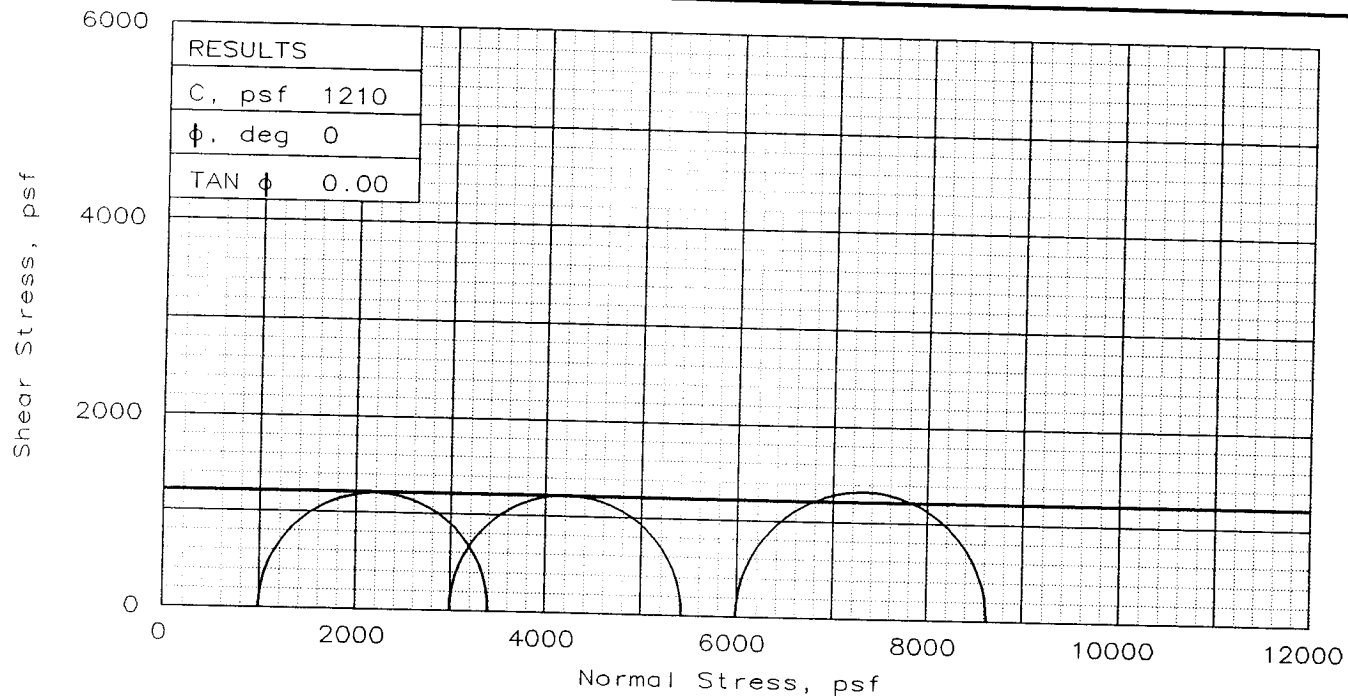
TRIAxIAL SHEAR TEST REPORT

Eustis Engineering Company, Inc.

Fig. No.: \_\_\_\_\_



Client: U.S. Army Corps of Engineers  
 Project: Repairs to Levees and Floodwalls at the 17th Street Canal  
 Location: Boring 3, Sample 15-B, Depth 63.1', Elev -61.3  
 File: UU-25159 Project No.: 19080 Fig. No.: \_\_\_\_\_



SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	70.6	65.6	65.8
	DRY DENSITY, pcf	56.6	59.0	59.1
	SATURATION, %	95.6	94.8	95.2
	VOID RATIO	2.024	1.897	1.894
	DIAMETER, in	1.39	1.39	1.39
AT TEST	HEIGHT, in	2.93	2.93	2.93
	WATER CONTENT, %	74.0	69.0	69.0
	DRY DENSITY, pcf	56.5	59.2	59.2
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	2.026	1.890	1.890
DIAMETER, in		1.39	1.39	1.39
HEIGHT, in		2.93	2.93	2.93
Strain rate, in/min		0.0288	0.0289	0.0289
BACK PRESSURE, psf		0	0	0
CELL PRESSURE, psf		994	2995	5990
FAIL. STRESS, psf		2408	2433	2644
ULT. STRESS, psf		1173	1579	1889
$\sigma_1$ FAILURE, psf		3401	5428	8634
$\sigma_3$ FAILURE, psf		994	2995	5990

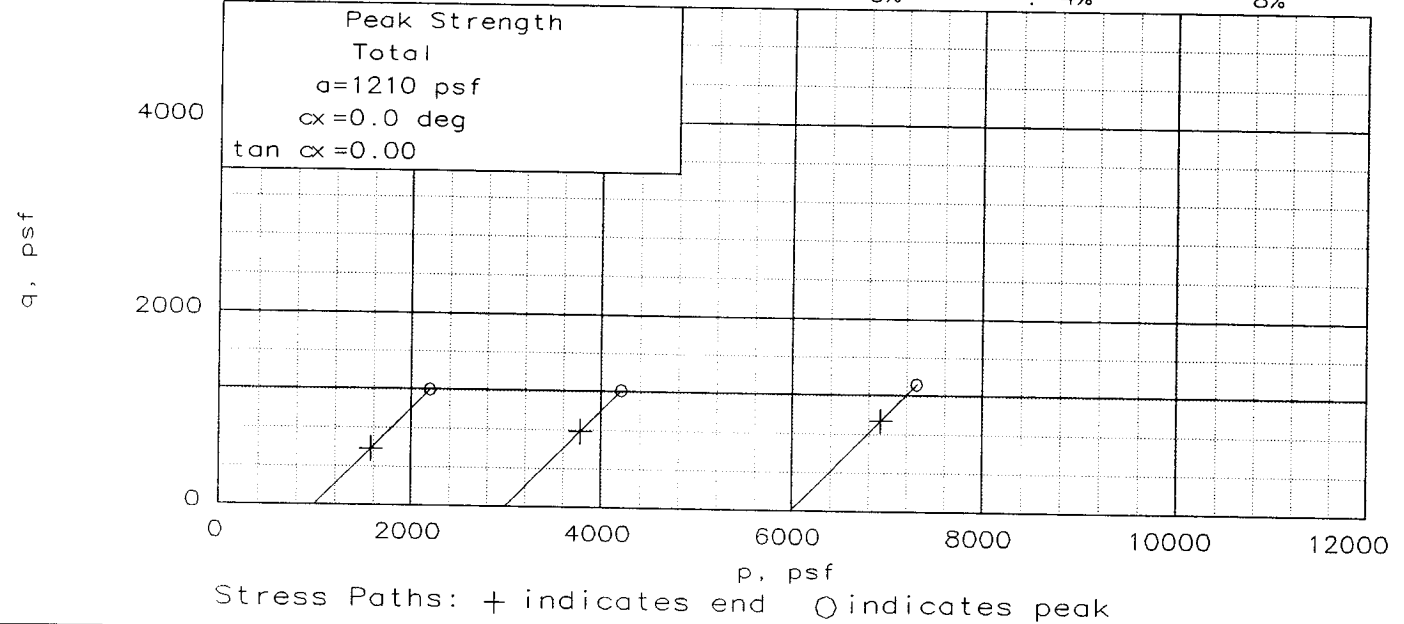
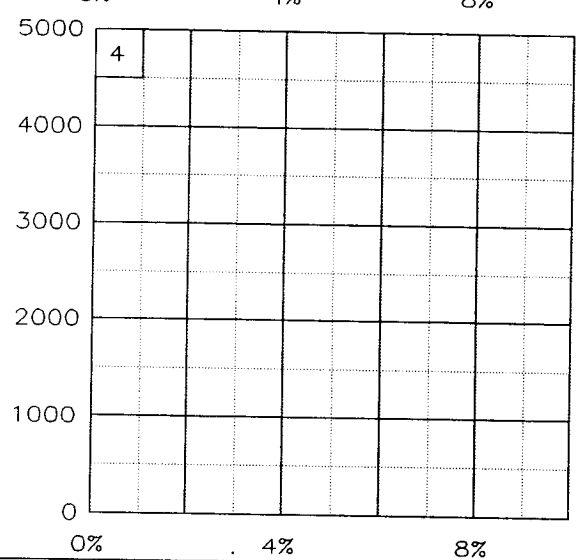
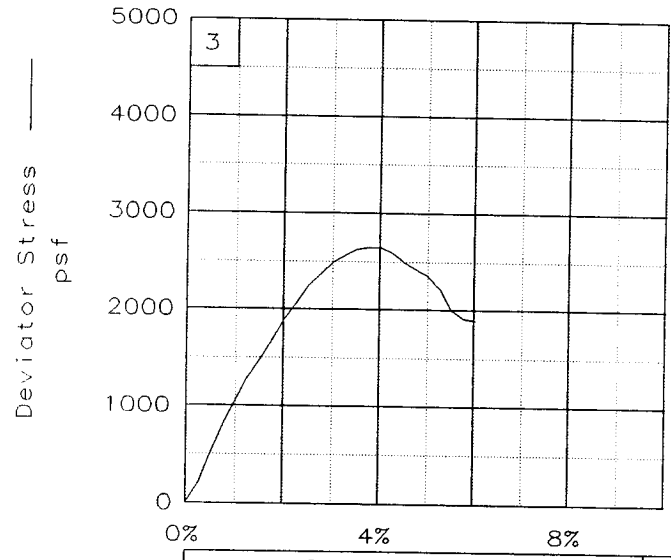
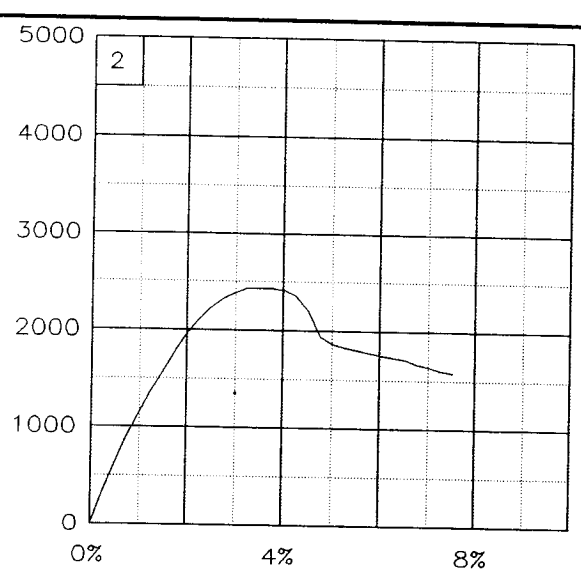
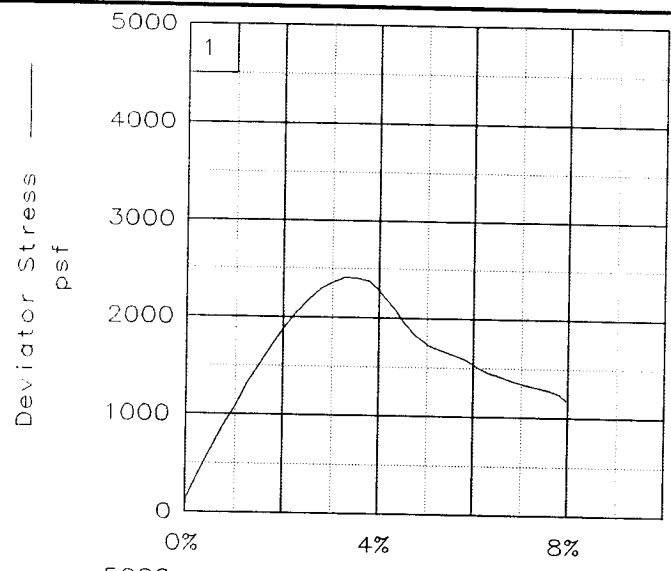
TYPE OF TEST:  
Unconsolidated Undrained  
SAMPLE TYPE: Undisturbed  
DESCRIPTION: St Gr CH4  
w/ wd  
LL= 95      PL= 28      PI= 67  
SPECIFIC GRAVITY= 2.74  
REMARKS: Torvane = 0.400 tsf

CLIENT: U.S. Army Corps of Engineers  
PROJECT: Repairs to Levees and Floodwalls  
at the 17th Street Canal  
SAMPLE LOCATION: Boring 3,  
Sample 16-B, Depth 67.1', Elev -65.3  
PROJ. NO.: 19080      DATE: 10/24/05

TRIAxIAL SHEAR TEST REPORT

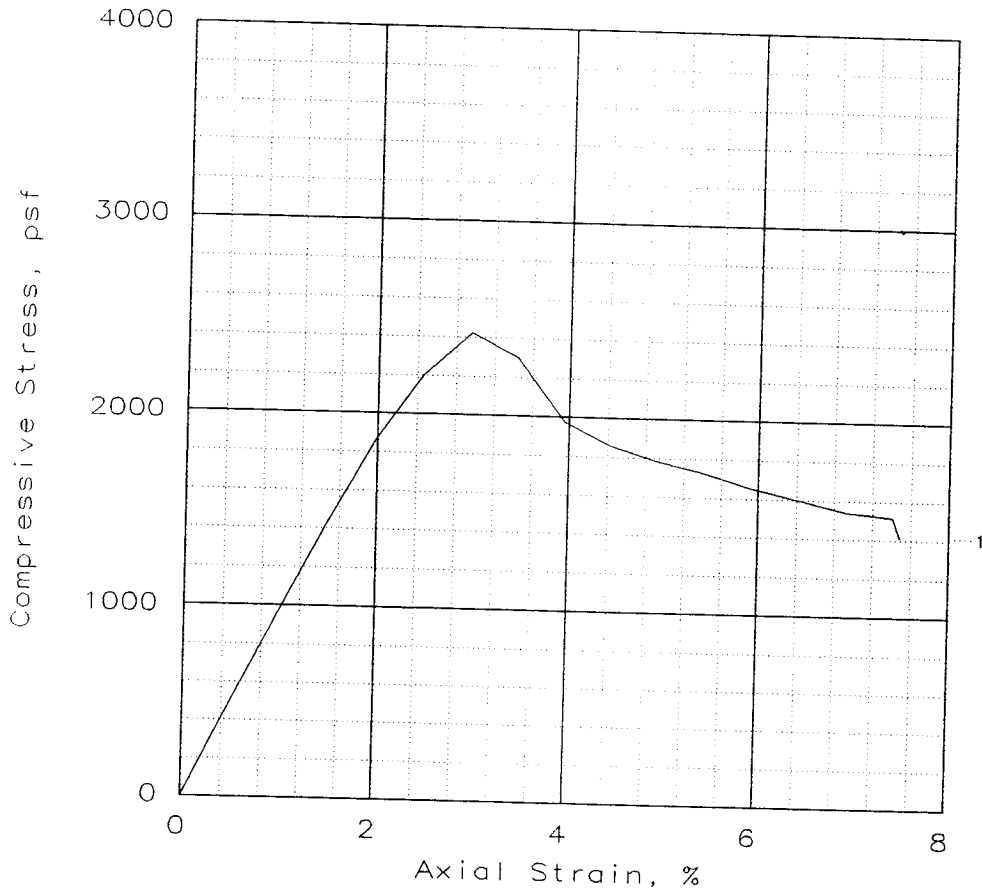
Eustis Engineering Company, Inc.

Fig. No.: \_\_\_\_\_



Client: U.S. Army Corps of Engineers  
 Project: Repairs to Levees and Floodwalls at the 17th Street Canal  
 Location: Boring 3, Sample 16-B, Depth 67.1', Elev -65.3  
 File: UU-25160 Project No.: 19080 Fig. No.: \_\_\_\_\_

# UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	2425			
Undrained shear strength, psf	1212			
Failure strain, %	3.0			
Strain rate, in/min	0.0324			
Water content, %	64.4			
Wet density, pcf	98.1			
Dry density, pcf	59.7			
Saturation, %	94.5			
Void ratio	1.8663			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: St Gr CH4 w/ Tr-wd, SL

GS= 2.74

Type: Undisturbed

Project No.: 19080

Date: 9-30-05

Remarks:

Torvane = 0.400 tsf

Client: U.S. Army Corps of Engineers

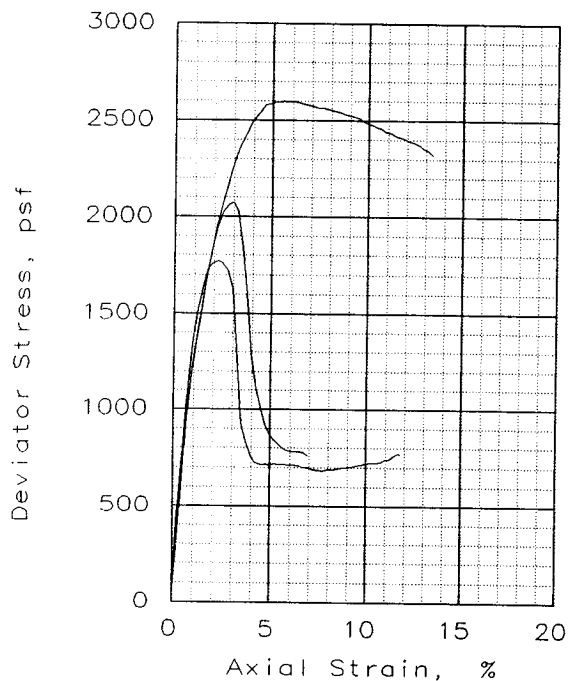
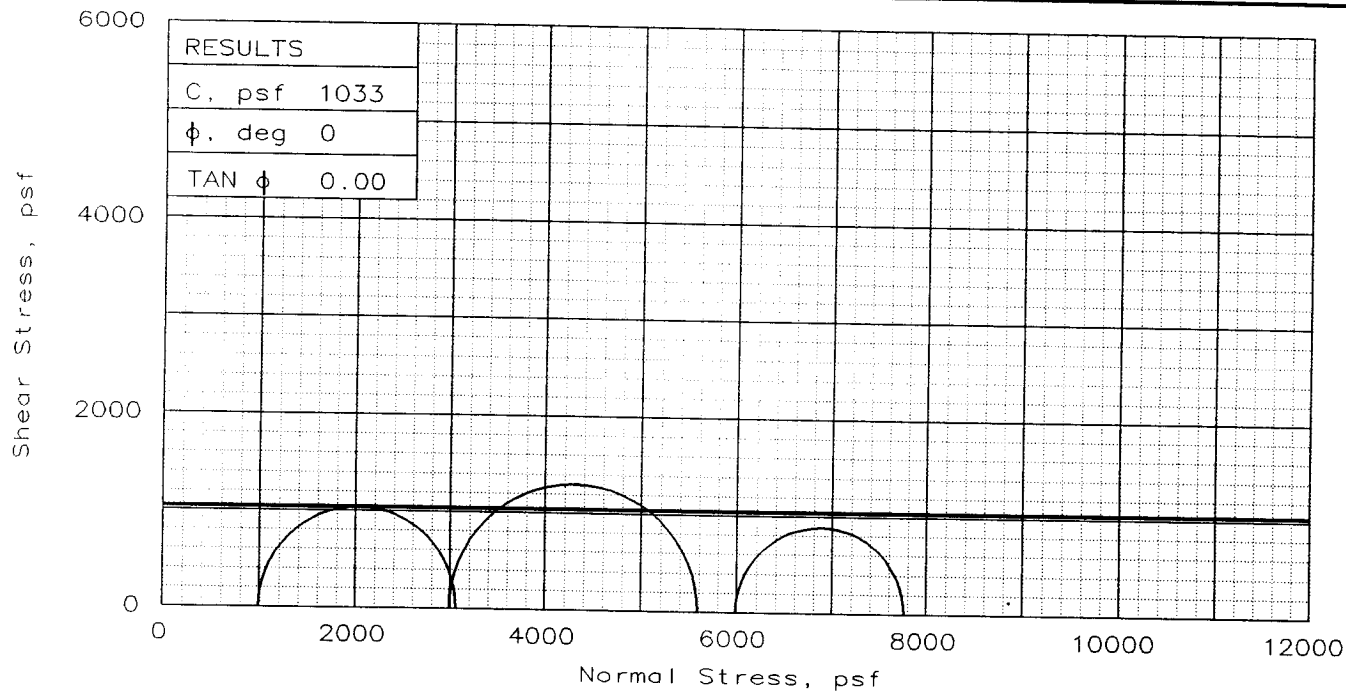
Project: Repairs to Levees and Floodwalls  
at the 17th Street Canal

Location: Boring 3,  
Sample 17-C, Depth 72.0', Elev. -70.2

UNCONFINED COMPRESSION TEST

**Eustis Engineering Company, Inc.**

Fig. No.: \_\_\_\_\_



SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	18.5	19.6	19.1
	DRY DENSITY, pcf	104.8	104.3	103.8
	SATURATION, %	82.3	86.0	82.6
	VOID RATIO	0.608	0.616	0.624
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
AT TEST	WATER CONTENT, %	22.5	22.7	23.1
	DRY DENSITY, pcf	104.9	104.4	103.9
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	0.607	0.614	0.623
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
Strain rate, in/min	0.0285	0.0291	0.0288	
BACK PRESSURE, psf	0	0	0	
CELL PRESSURE, psf	994	2995	5990	
FAIL. STRESS, psf	2073	2598	1773	
ULT. STRESS, psf	761	2323	766	
$\sigma_1$ FAILURE, psf	3066	5593	7763	
$\sigma_3$ FAILURE, psf	994	2995	5990	

TYPE OF TEST:  
Unconsolidated Undrained

SAMPLE TYPE: Undisturbed

DESCRIPTION: St 1Gr CL3

LL= 25      PL= 15      PI= 10

SPECIFIC GRAVITY= 2.7

REMARKS: Torvane = 0.650 tsf

CLIENT: U.S. Army Corps of Engineers

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

SAMPLE LOCATION: Boring 3,  
Sample 18-B, Depth 75.1', Elev -73.3

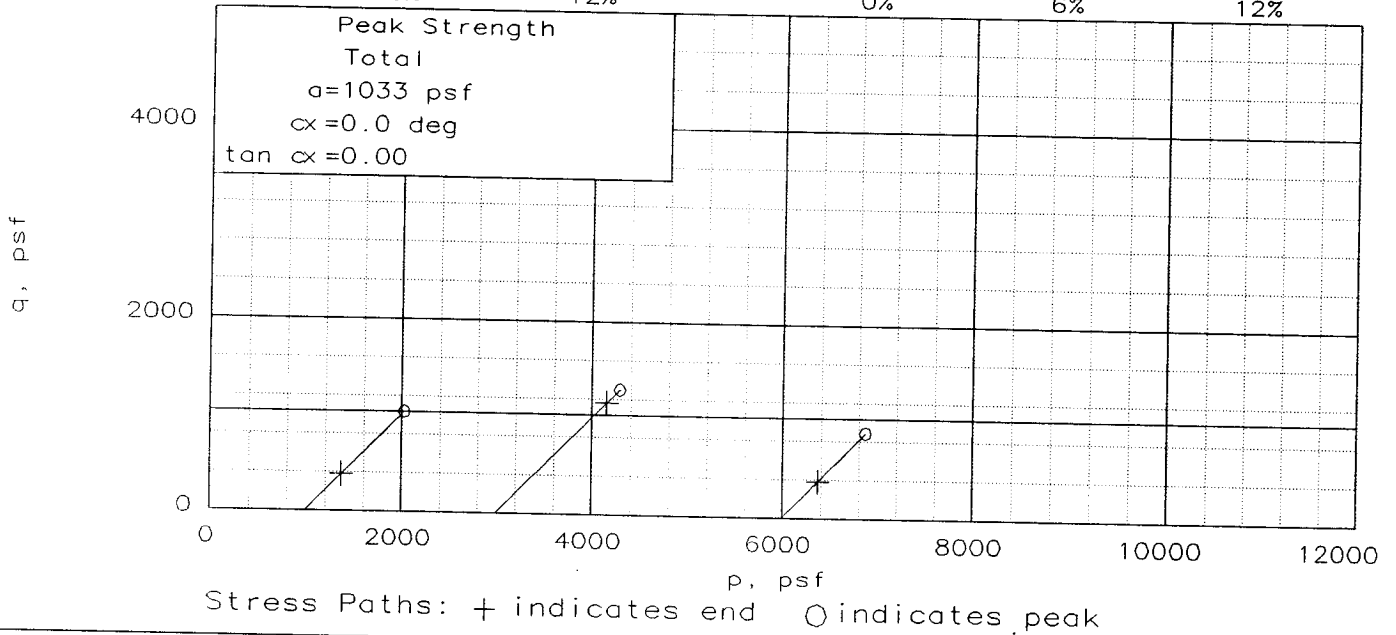
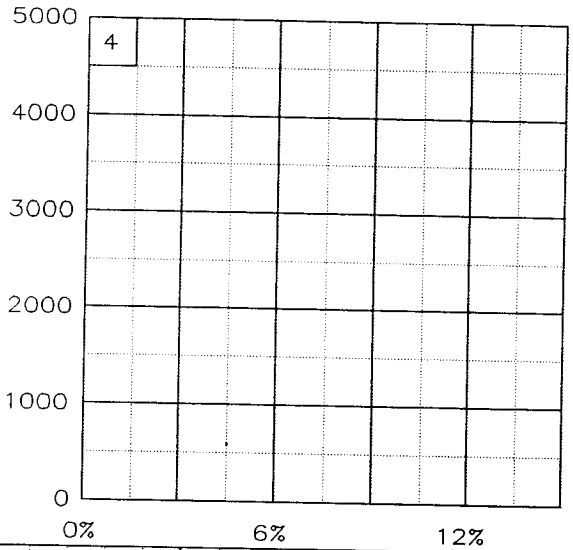
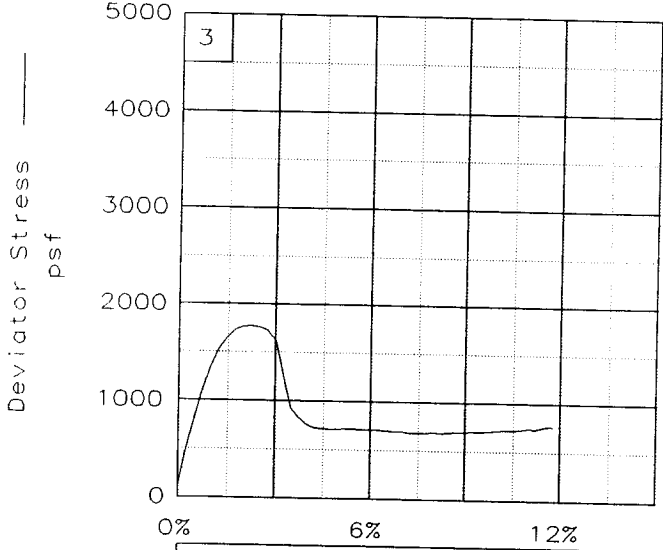
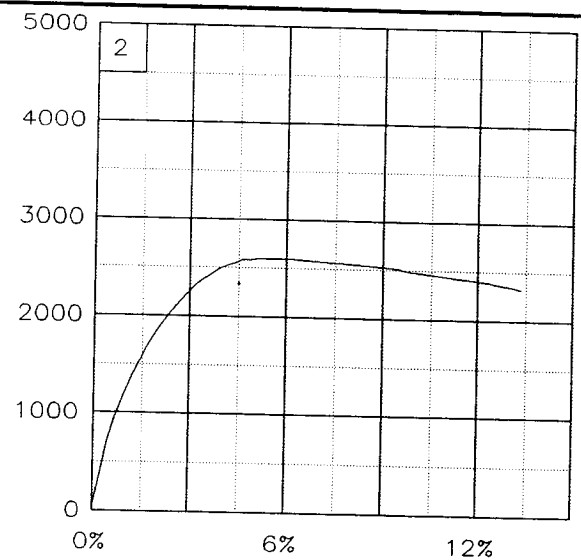
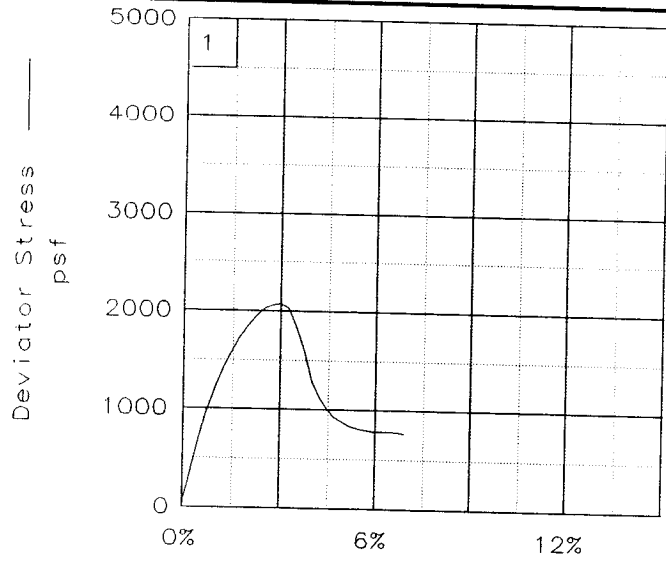
PROJ. NO.: 19080      DATE: 10/24/05

TRIAXIAL SHEAR TEST REPORT

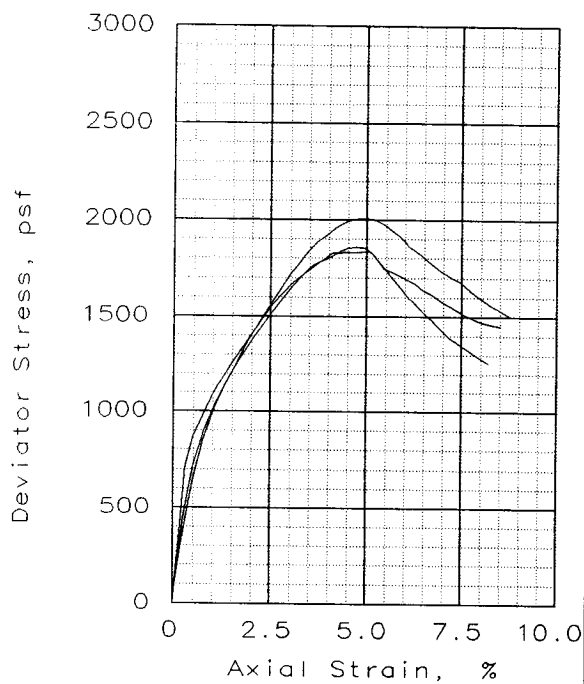
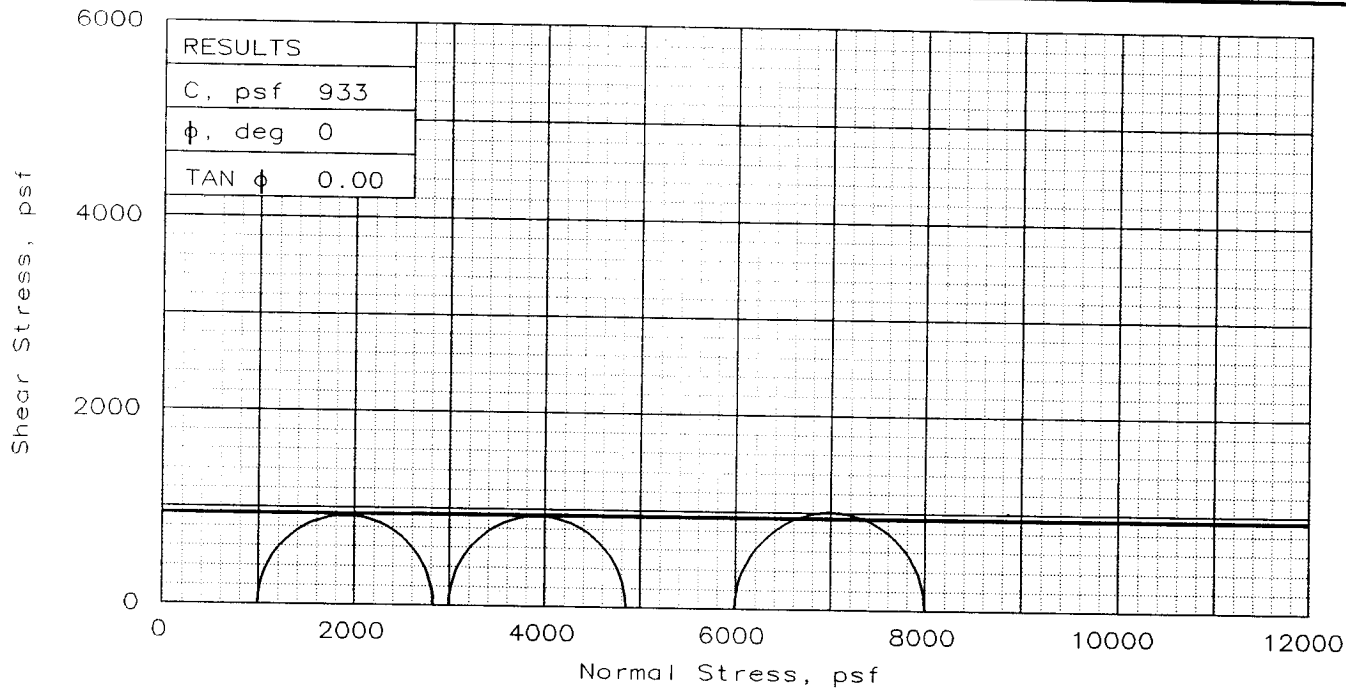
Eustis Engineering Company, Inc.

Fig. No.: \_\_\_\_\_





Client: U.S. Army Corps of Engineers  
 Project: Repairs to Levees and Floodwalls at the 17th Street Canal  
 Location: Boring 3, Sample 18-B, Depth 75.1', Elev -73.3  
 File: UU-25161 Project No.: 19080 Fig. No.: \_\_\_\_\_



SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	33.1	33.0	33.7
	DRY DENSITY, pcf	86.9	86.3	84.8
	SATURATION, %	93.7	92.1	90.8
	VOID RATIO	0.968	0.981	1.016
	DIAMETER, in	1.39	1.39	1.39
AT TEST	HEIGHT, in	2.93	2.93	2.93
	WATER CONTENT, %	35.3	35.7	37.0
	DRY DENSITY, pcf	87.0	86.4	84.9
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	0.966	0.979	1.014
AT TEST	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
Strain rate, in/min		0.0572	0.0287	0.0287
BACK PRESSURE, psf		0	0	0
CELL PRESSURE, psf		994	2995	5990
FAIL. STRESS, psf		1833	1857	2008
ULT. STRESS, psf		1258	1449	1508
$\sigma_1$ FAILURE, psf		2827	4852	7998
$\sigma_3$ FAILURE, psf		994	2995	5990

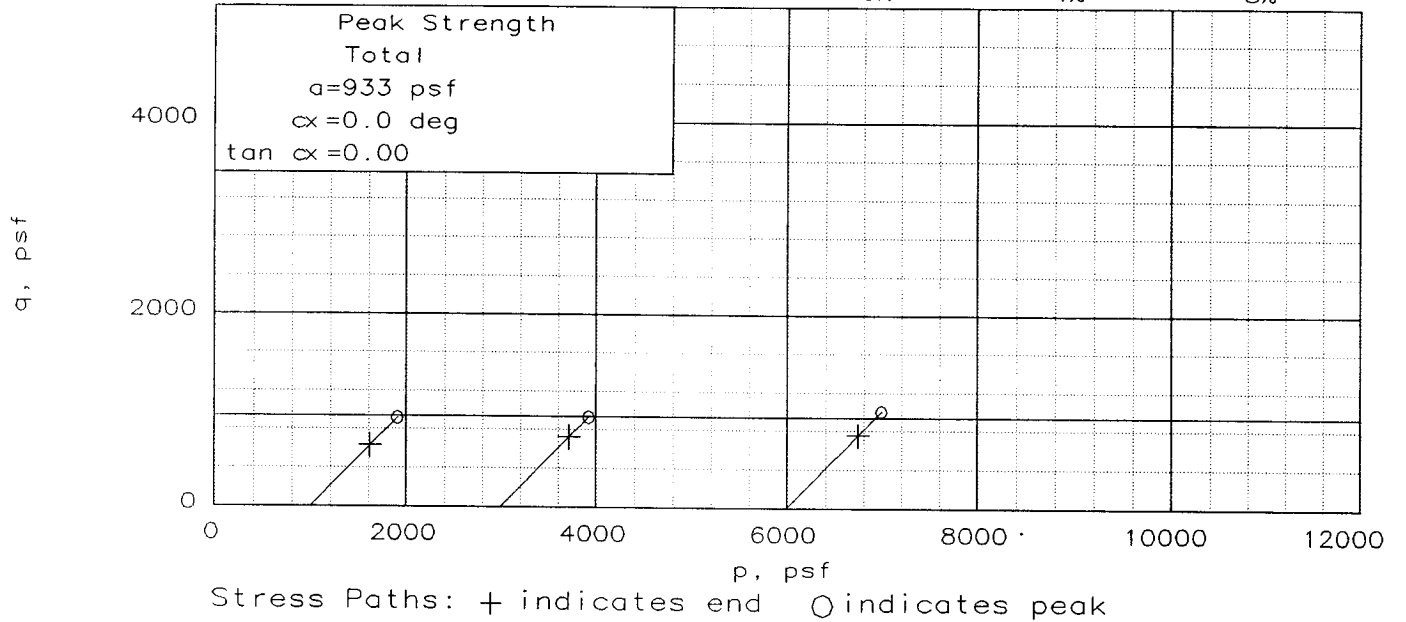
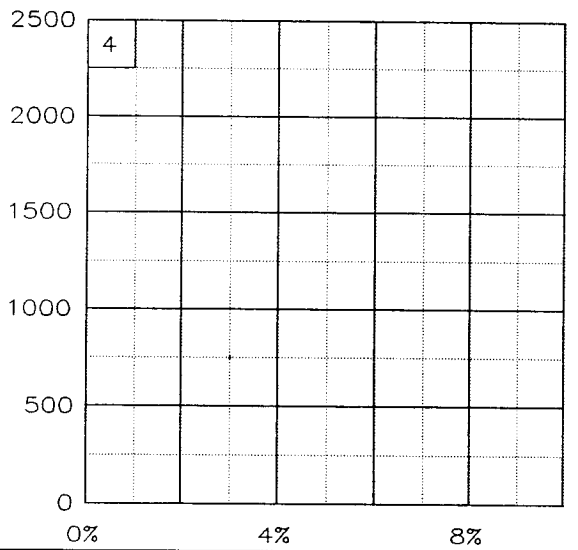
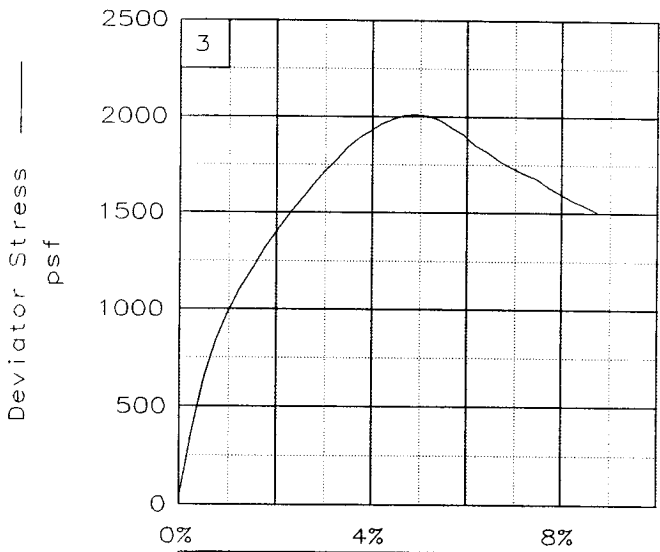
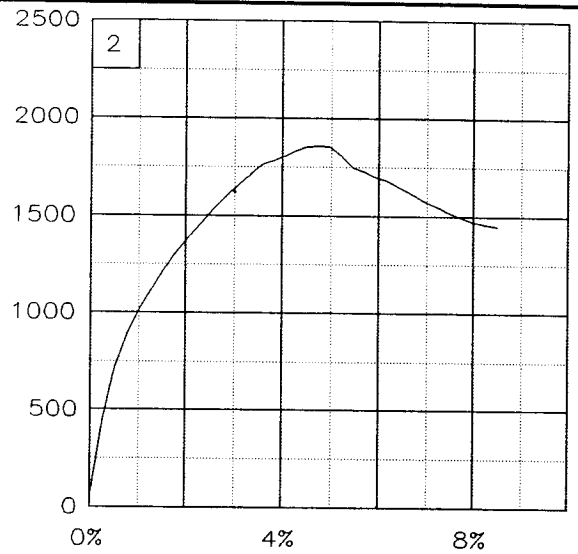
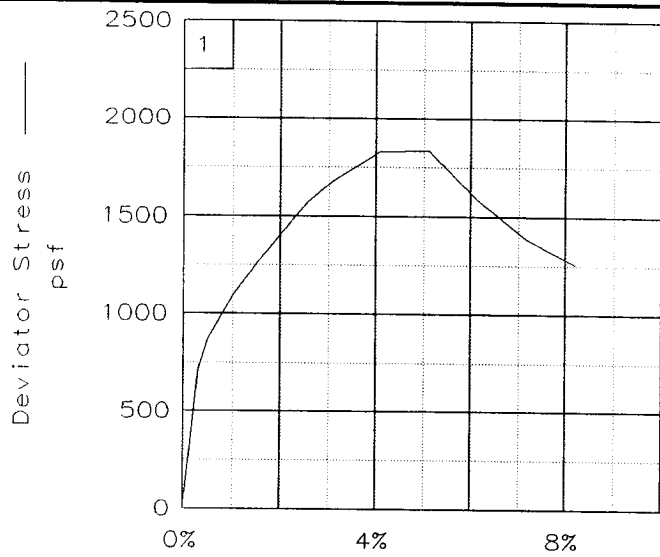
TYPE OF TEST:  
 Unconsolidated Undrained  
 SAMPLE TYPE: Undisturbed  
 DESCRIPTION: M T & IGr CH3  
 w/ Ins & Iys ML, SL, cc  
 LL= 70      PL= 27      PI= 43  
 SPECIFIC GRAVITY= 2.74  
 REMARKS: Torvane = 0.500 tsf

CLIENT: U.S. Army Corps of Engineers  
 PROJECT: Repairs to Levees and Floodwalls  
 at the 17th Street Canal  
 SAMPLE LOCATION: Boring 3,  
 Sample 19-B, Depth 79.1', Elev -77.3  
 PROJ. NO.: 19080      DATE: 10/24/05

TRIAXIAL SHEAR TEST REPORT

Eustis Engineering Company, Inc.

Fig. No.: \_\_\_\_\_



Client: U.S. Army Corps of Engineers

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

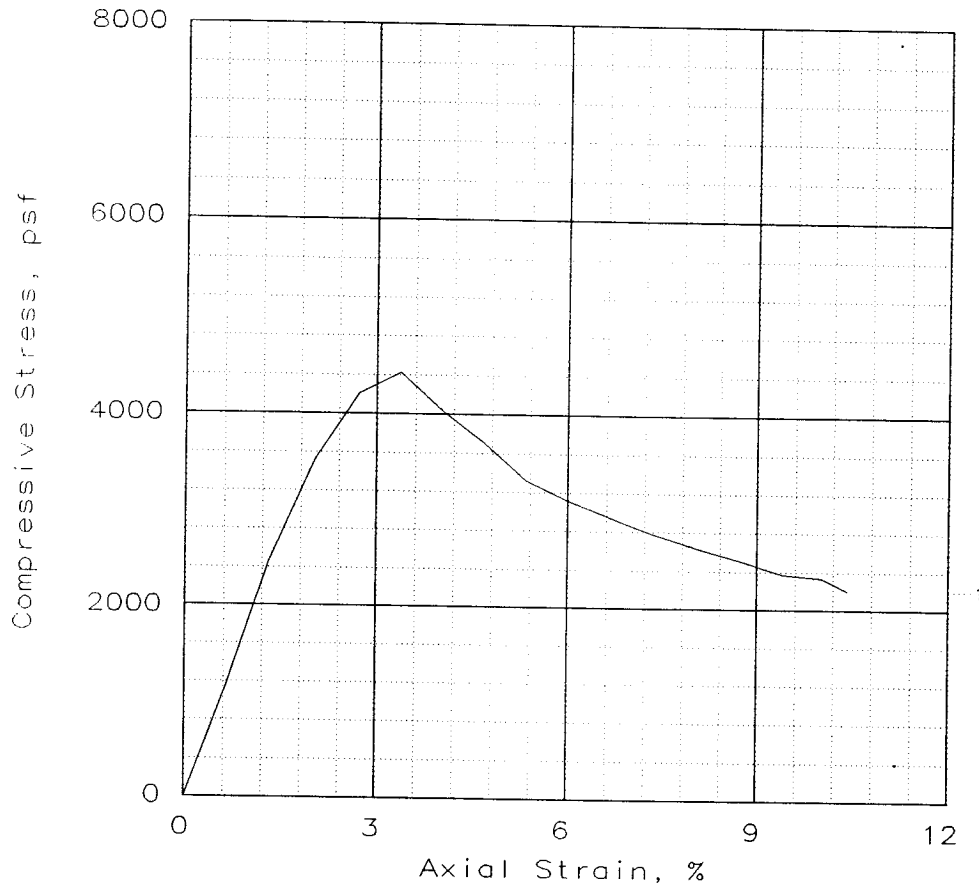
Location: Boring 3, Sample 19-B, Depth 79.1', Elev -77.3

File: UU-25162

Project No.: 19080

Fig. No.: \_\_\_\_\_

# UNCONFINED COMPRESSION TEST



SPECIMEN NO. :	1			
Unconfined strength, psf	4424			
Undrained shear strength, psf	2212			
Failure strain, %	3.4			
Strain rate, in/min	0.0562			
Water content, %	32.2			
Wet density, pcf	116.7			
Dry density, pcf	88.3			
Saturation, %	94.1			
Void ratio	0.9363			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

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

GS= 2.74      Type: Undisturbed

Project No.: 19080  
 Date: 9-30-05  
 Remarks:  
 Torvane = 0.875 tsf

Fig. No.: \_\_\_\_\_

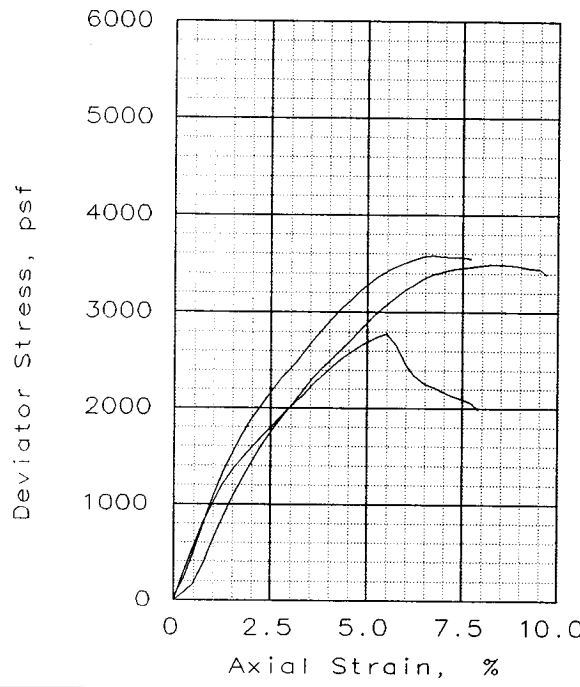
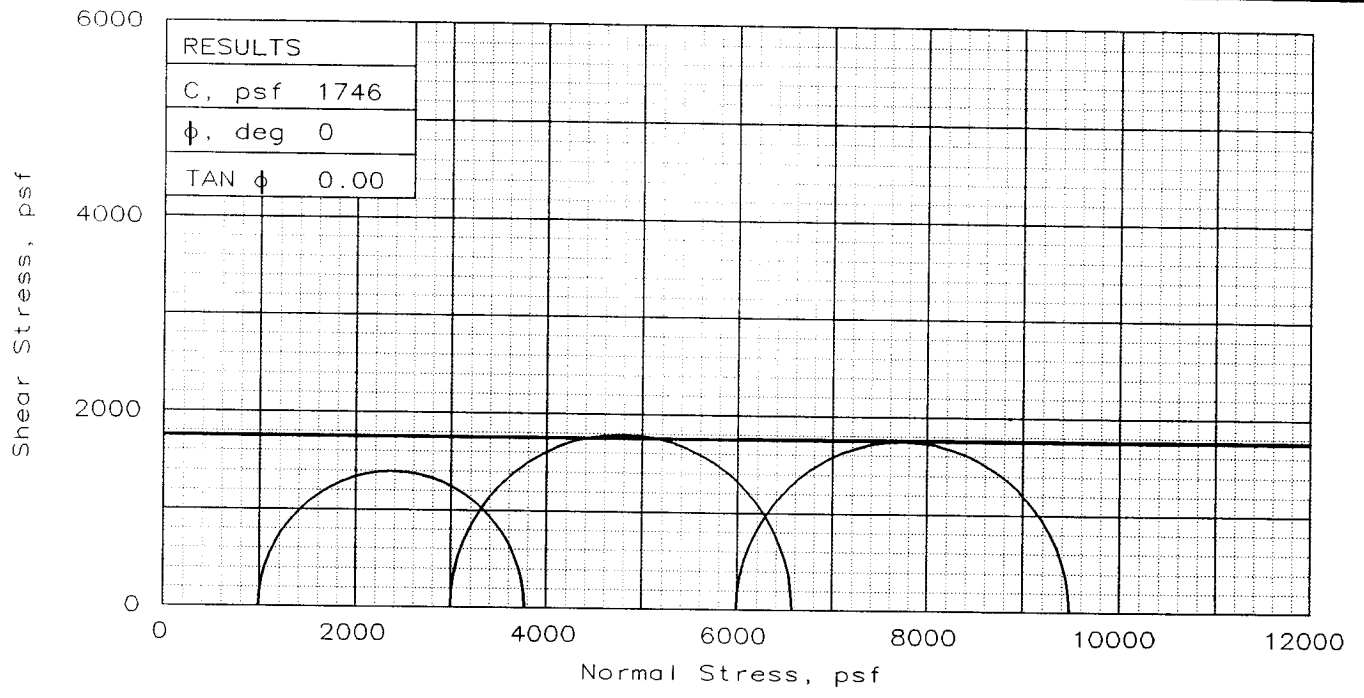
Client: U.S. Army Corps of Engineers

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

Location: Boring 3,  
 Sample 20-B, Depth 83.1', Elev. -81.3

UNCONFINED COMPRESSION TEST

**Eustis Engineering Company, Inc.**



SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	38.2	38.0	38.9
	DRY DENSITY, pcf	81.3	82.4	81.1
	SATURATION, %	94.7	96.7	96.0
	VOID RATIO	1.105	1.077	1.109
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
AT TEST	WATER CONTENT, %	40.1	39.2	40.4
	DRY DENSITY, pcf	81.5	82.4	81.2
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	1.098	1.075	1.107
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
Strain rate, in/min		0.0286	0.0287	0.0288
BACK PRESSURE, psf		0	0	0
CELL PRESSURE, psf		994	2995	5990
FAIL. STRESS, psf		2780	3582	3492
ULT. STRESS, psf		1987	3551	3383
$\sigma_1$ FAILURE, psf		3773	6577	9483
$\sigma_3$ FAILURE, psf		994	2995	5990

TYPE OF TEST:  
Unconsolidated Undrained

SAMPLE TYPE: Undisturbed

DESCRIPTION: St T & IGr CH4  
w/ Ins ML, cc, SL

LL= 75      PL= 30      PI= 45

SPECIFIC GRAVITY= 2.74

REMARKS: Torvane = 0.800 tsf

CLIENT: U.S. Army Corps of Engineers

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

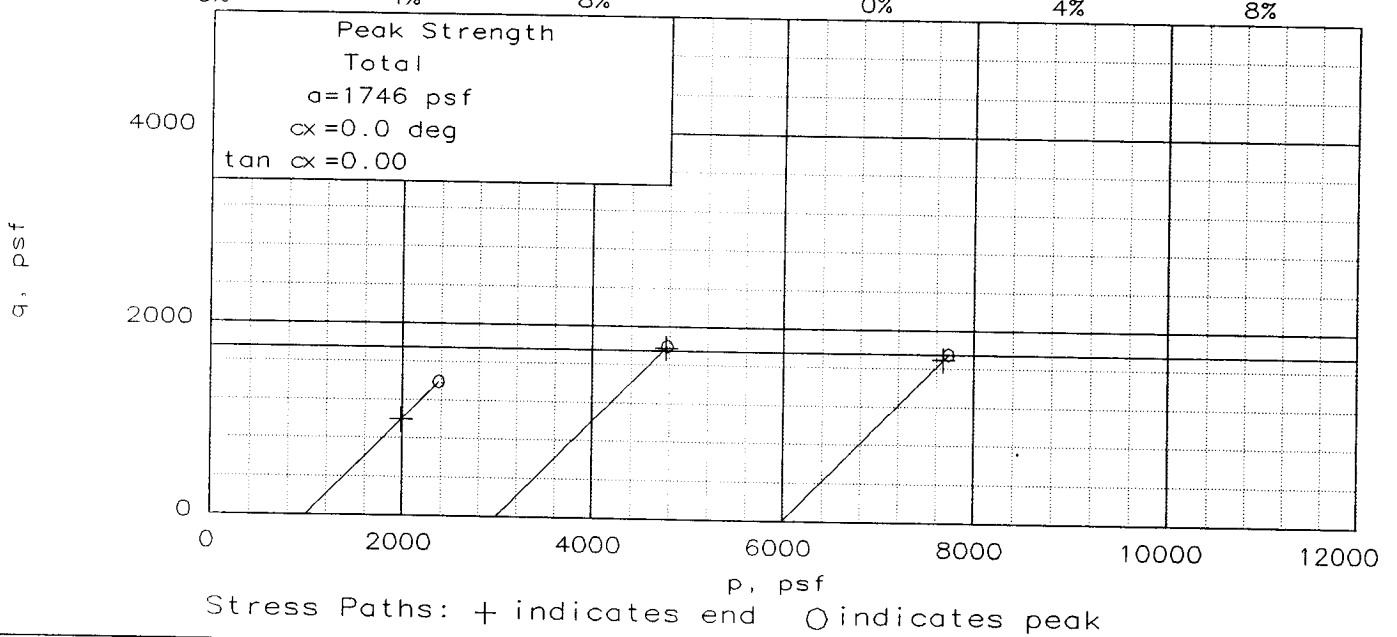
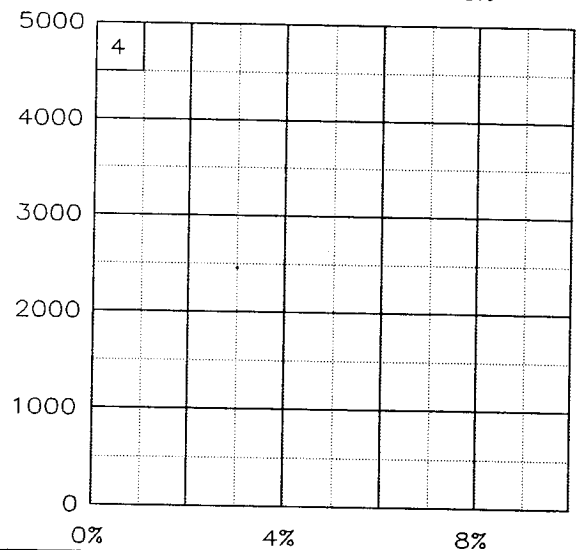
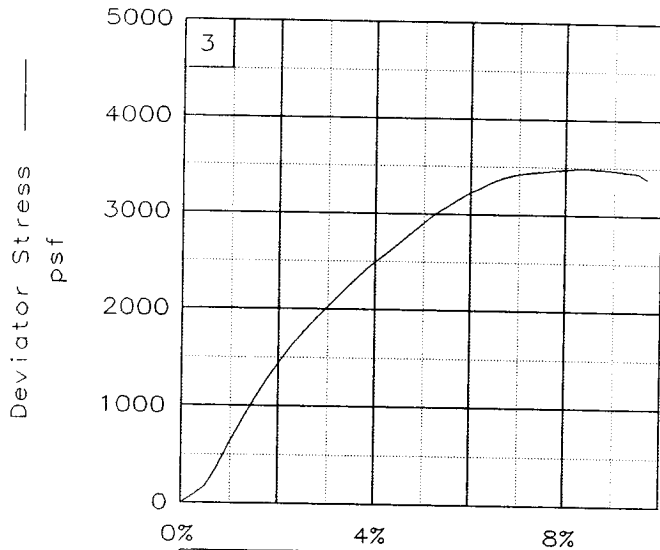
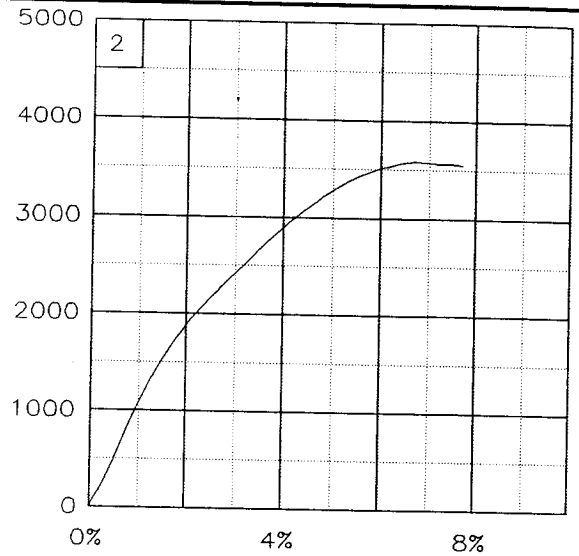
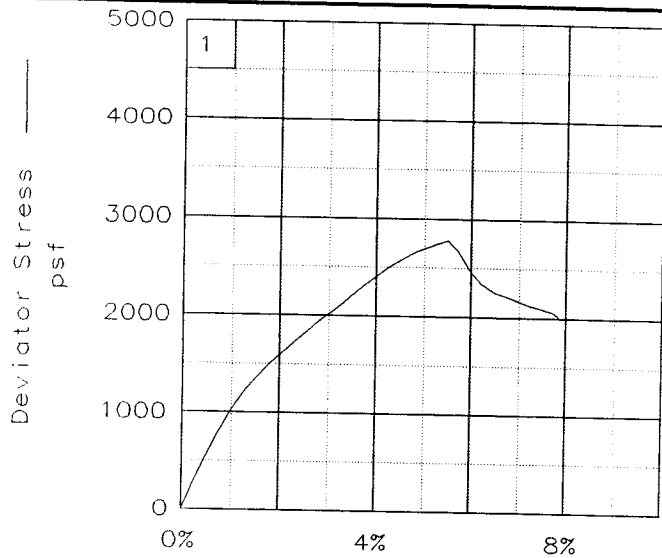
SAMPLE LOCATION: Boring 3,  
Sample 21-A, Depth 86.3', Elev -84.5

PROJ. NO.: 19080      DATE: 10/24/05

TRIAxIAL SHEAR TEST REPORT

**Eustis Engineering Company, Inc.**

Fig. No.: \_\_\_\_\_



Client: U.S. Army Corps of Engineers

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

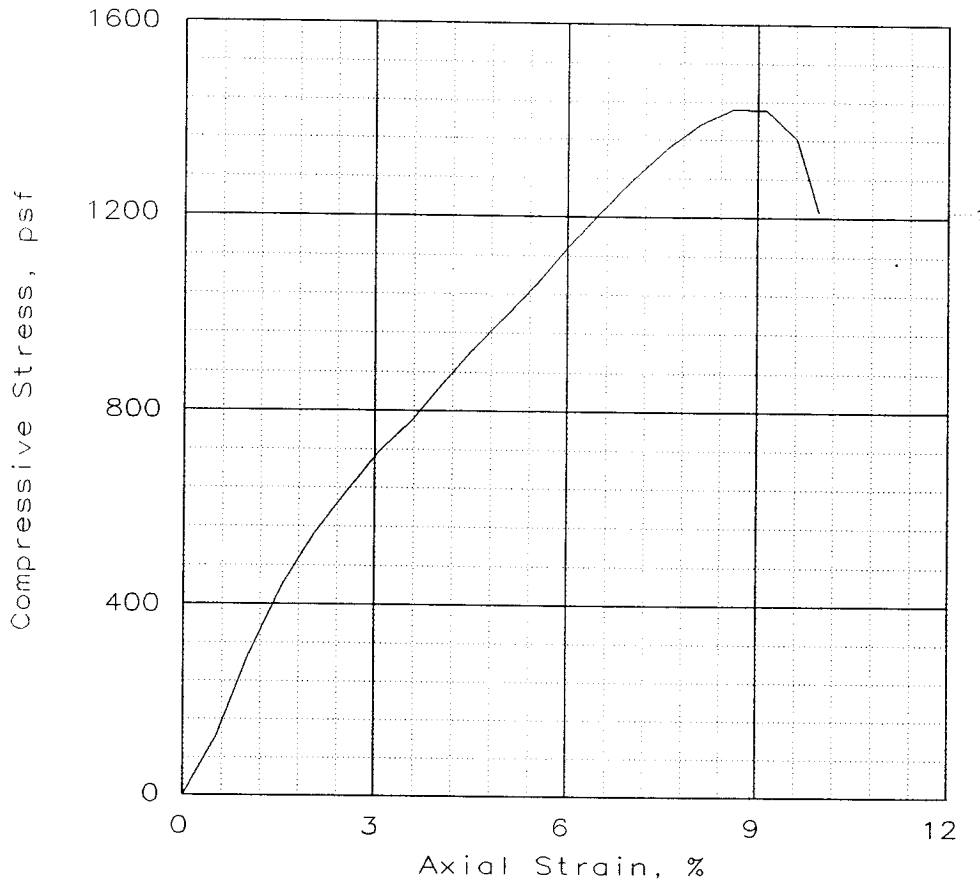
Location: Boring 3, Sample 21-A, Depth 86.3', Elev -84.5

File: UU-25163

Project No.: 19080

Fig. No.: \_\_\_\_\_

## UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	1424			
Undrained shear strength, psf	712			
Failure strain, %	8.6			
Strain rate, in/min	0.0567			
Water content, %	46.6			
Wet density, pcf	105.6			
Dry density, pcf	72.1			
Saturation, %	92.9			
Void ratio	1.3733			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: M Gr CH4 w/ Ins SP

GS= 2.74

Type: Undisturbed

Project No.: 19080

Date: 9-30-05

Remarks:

Torvane = 0.380 tsf

Client: U.S. Army Corps of Engineers

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

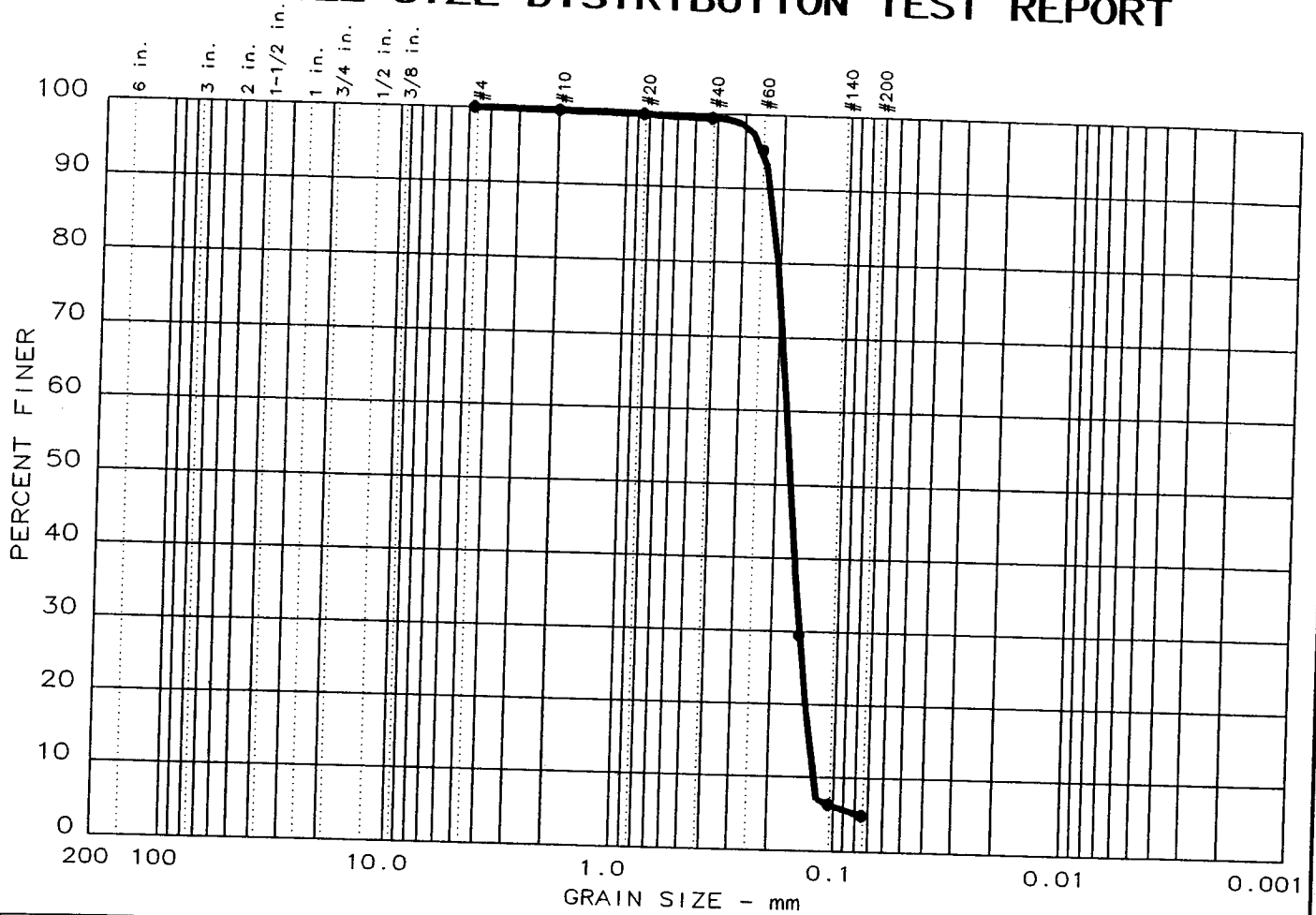
Location: Boring 3,  
Sample 23-B, Depth 95.1', Elev. -93.3

UNCONFINED COMPRESSION TEST

**Eustis Engineering Company, Inc.**

Fig. No.: \_\_\_\_\_

# PARTICLE SIZE DISTRIBUTION TEST REPORT



Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
7	0.0	0.0	95.1	4.9		SP		

SIEVE inches size	PERCENT FINER		
	●		
GRAIN SIZE			
D <sub>60</sub>	0.18		
D <sub>30</sub>	0.15		
D <sub>10</sub>	0.12		
COEFFICIENTS			
C <sub>c</sub>	1.00		
C <sub>u</sub>	1.4		

SIEVE number size	PERCENT FINER		
	●		
4	100.0		
10	99.9		
20	99.7		
40	99.4		
60	95.2		
100	29.5		
140	6.3		
200	4.9		

Sample information:  
 ● Boring 3, Sample 8  
 GR SP

Remarks:  
 Sample depth 40.0'

**Eustis  
Engineering  
Company, Inc.**

Project No.: 19080  
 Project: USACE - 17TH Street Canal  
 Date: 10-17-05  
 Data Sheet No. \_\_\_\_\_