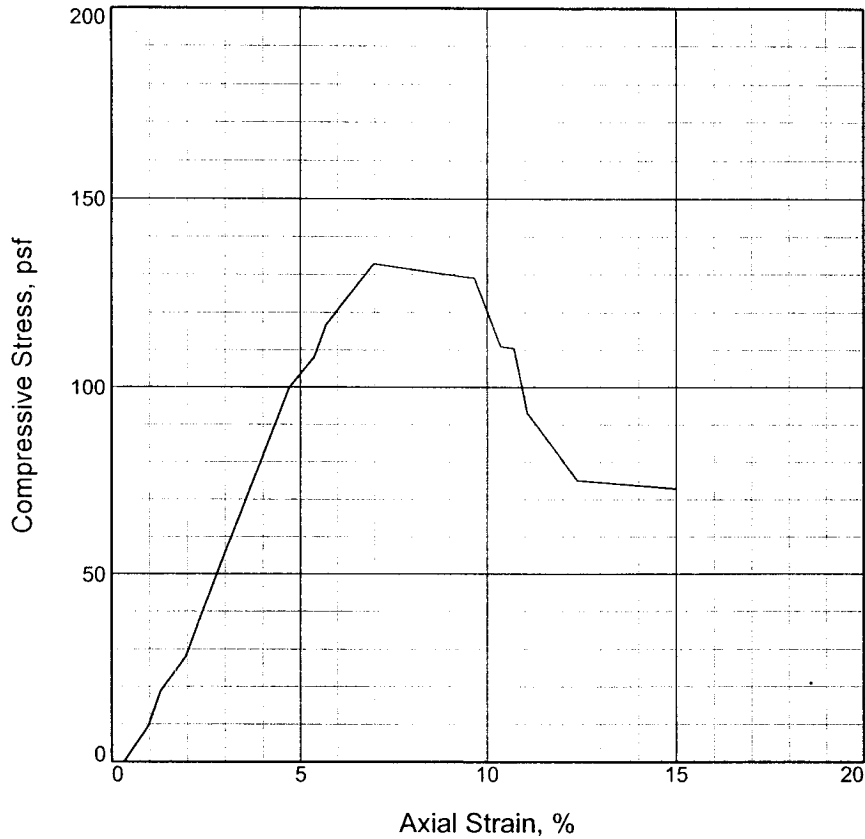


UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	132.8			
Undrained shear strength, psf	66.4			
Failure strain, %	7.0			
Strain rate, in./min.	0.058			
Water content, %	736.7			
Wet density, pcf	60.4			
Dry density, pcf	7.2			
Saturation, %	89.4			
Void ratio	20.1963			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: vSo Br PT w/ wd

LL = **PL =** **PI =** **Assumed GS= 2.45** **Type: Undisturbed**

Project No.: 19080

Date: 11-11-05

Remarks:

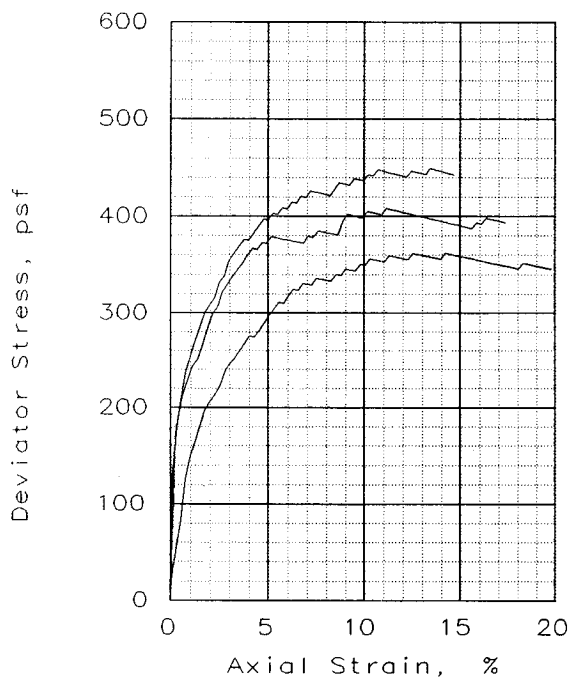
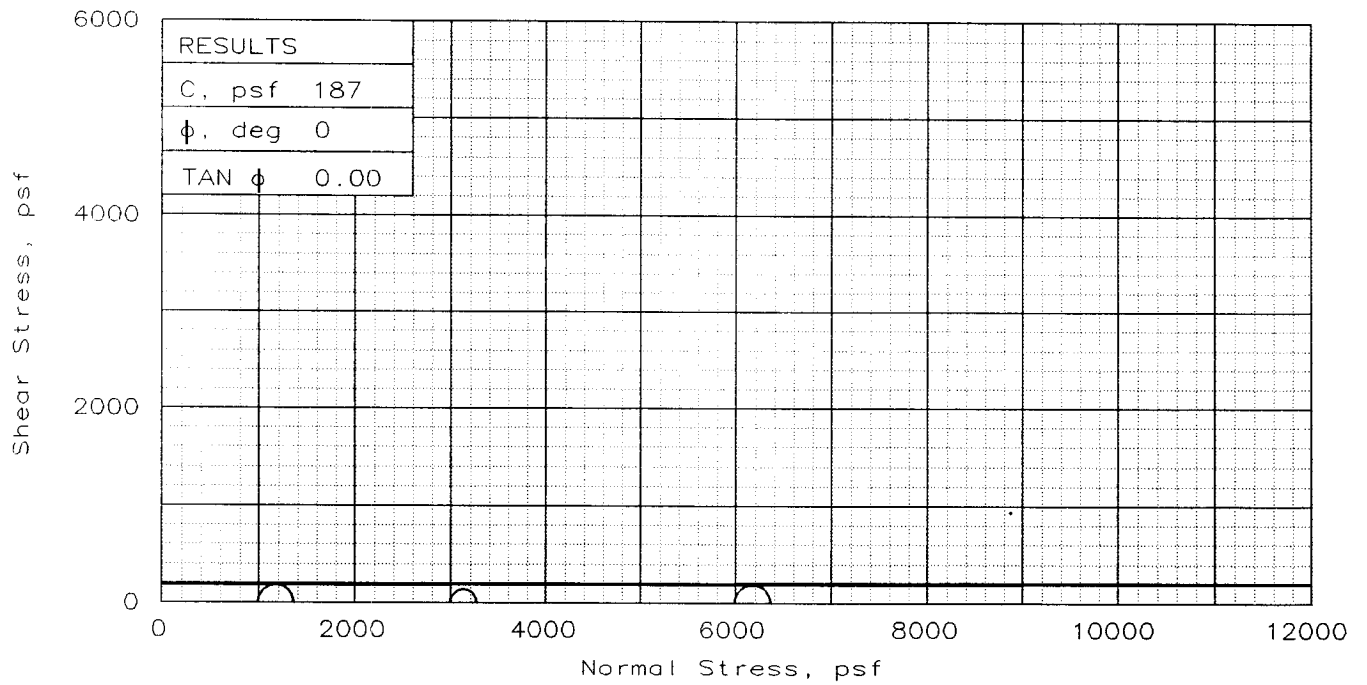
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-12 **Depth:** 6.0
Sample Number: 4A

UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: RR Checked By: JS



SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	44.4	44.6	44.1
	DRY DENSITY, pcf	74.8	74.6	73.4
	SATURATION, %	95.7	95.5	91.8
	VOID RATIO	1.254	1.261	1.296
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
AT TEST	WATER CONTENT, %	46.5	46.7	48.1
	DRY DENSITY, pcf	74.7	74.6	73.3
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	1.256	1.260	1.299
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
Strain rate, in/min		0.0290	0.0290	0.0288
BACK PRESSURE, psf		0	0	0
CELL PRESSURE, psf		994	2995	5990
FAIL. STRESS, psf		367	276	376
ULT. STRESS, psf		393	345	442
σ_1 FAILURE, psf		1360	3271	6367
σ_3 FAILURE, psf		994	2995	5990

TYPE OF TEST:
Unconsolidated Undrained

SAMPLE TYPE: Undisturbed
DESCRIPTION: vSo Gr CL4

LL= 42 PL= 23 PI= 19
SPECIFIC GRAVITY= 2.7
REMARKS: Torvane = 0.200 tsf

CLIENT: U.S. Army Corps of Engineers

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

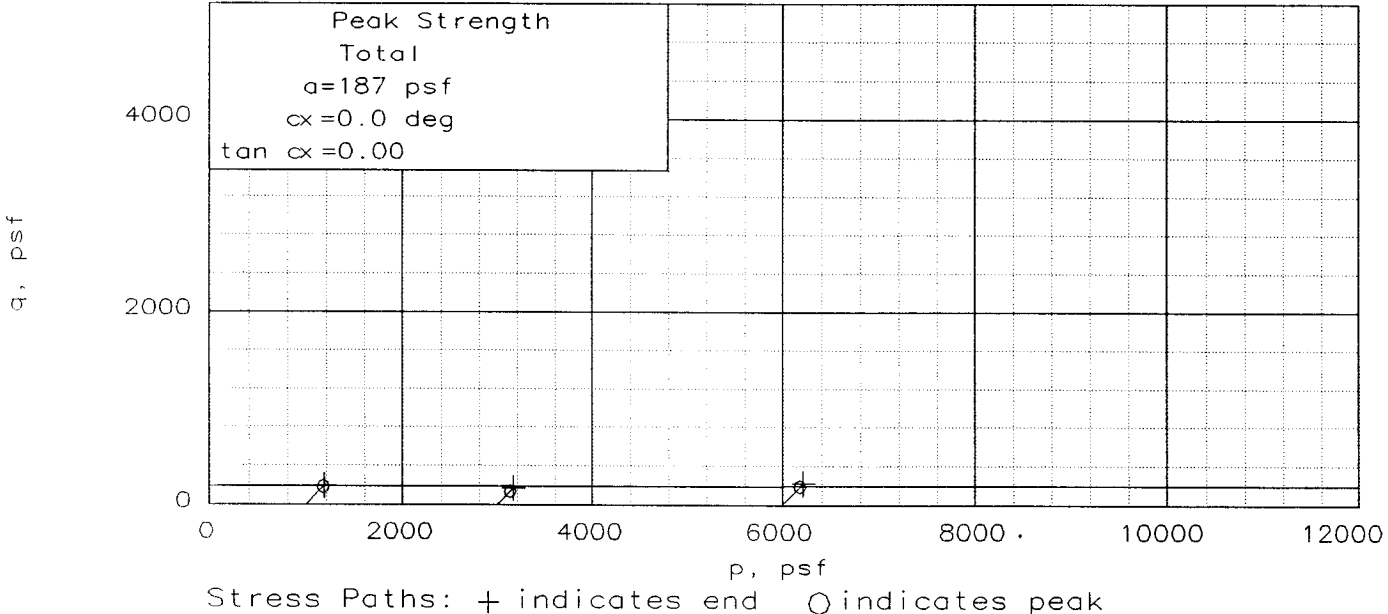
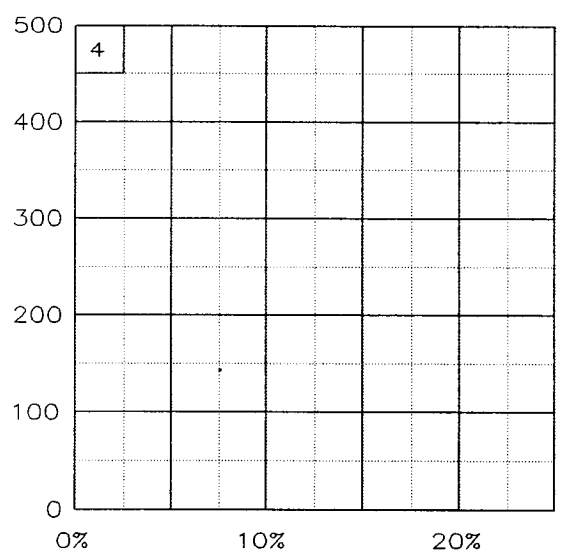
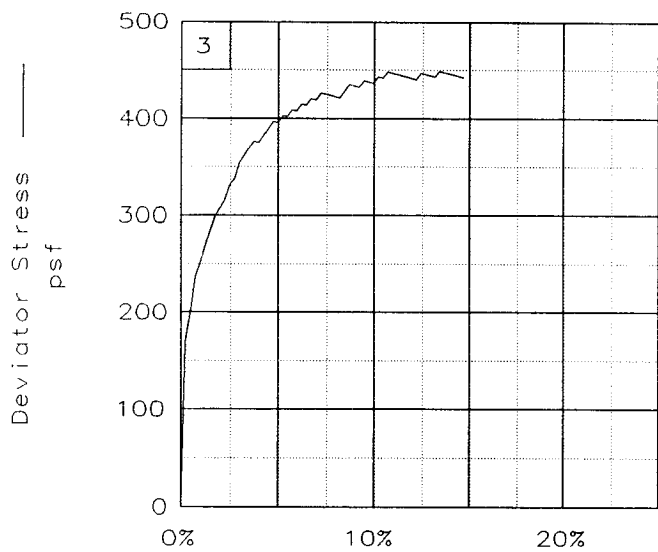
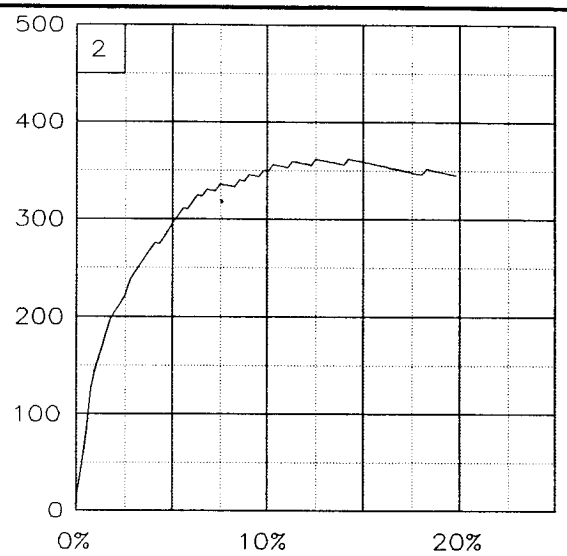
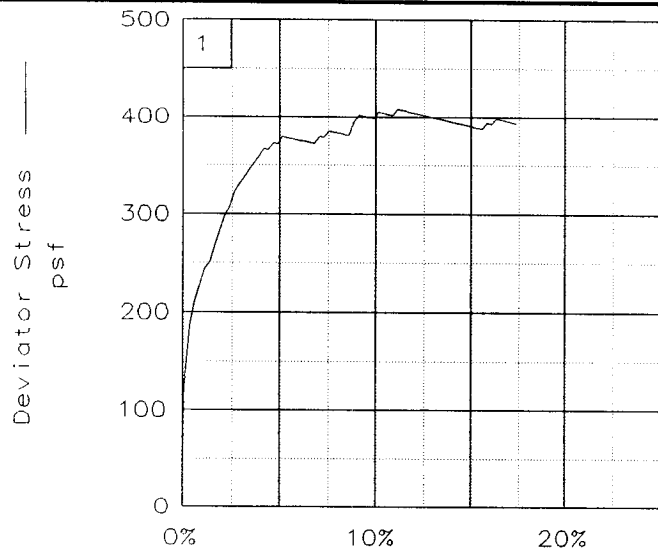
SAMPLE LOCATION: Boring 12,
Sample 5-B, Depth 11.1', Elev. -14.4

PROJ. NO.: 19080 DATE: 10/21/05

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

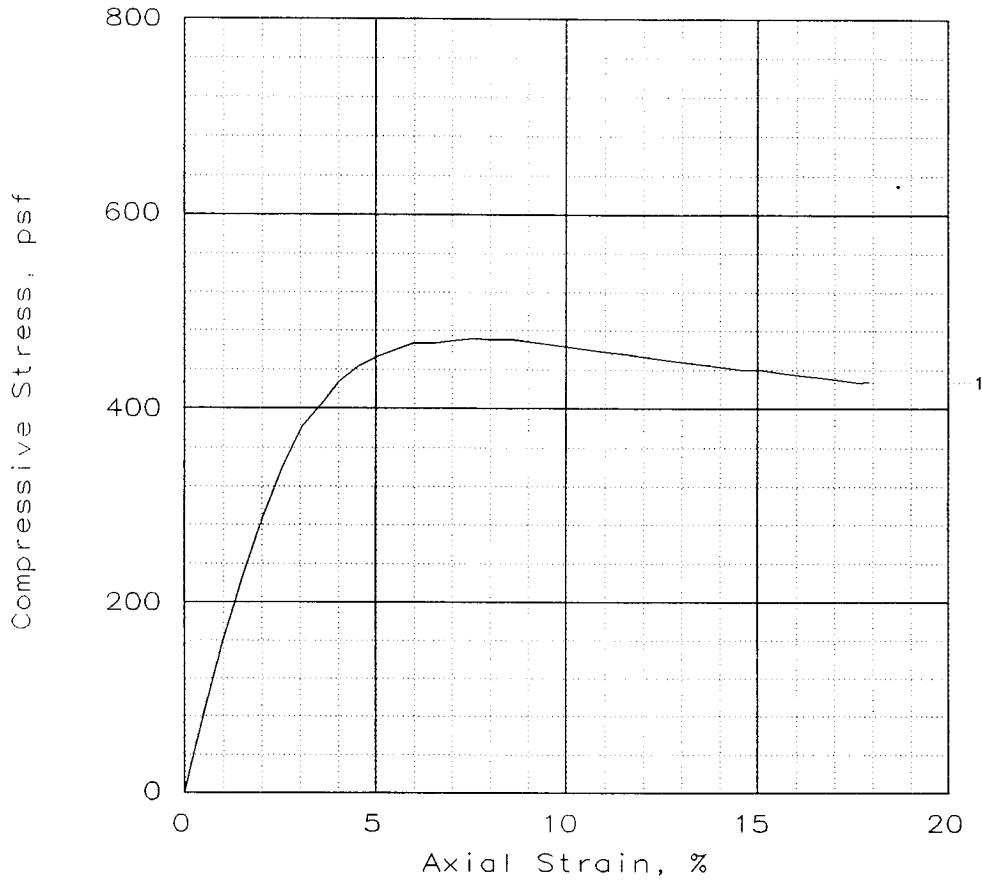
Location: Boring 12, Sample 5-B, Depth 11.1', Elev. -14.4

File: UU-25130

Project No.: 19080

Fig. No.: _____

UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	472			
Undrained shear strength, psf	236			
Failure strain, %	7.5			
Strain rate, in/min	0.0583			
Water content, %	52.5			
Wet density, pcf	101.6			
Dry density, pcf	66.6			
Saturation, %	92.2			
Void ratio	1.5499			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: vSo Gr CH3 w/ ars ML

GS= 2.72

Type: Undisturbed

Project No.: 19080

Date: 10/21/05

Remarks:

Torvane = 0.200 tsf

Client: U.S. Army Corps of Engineers

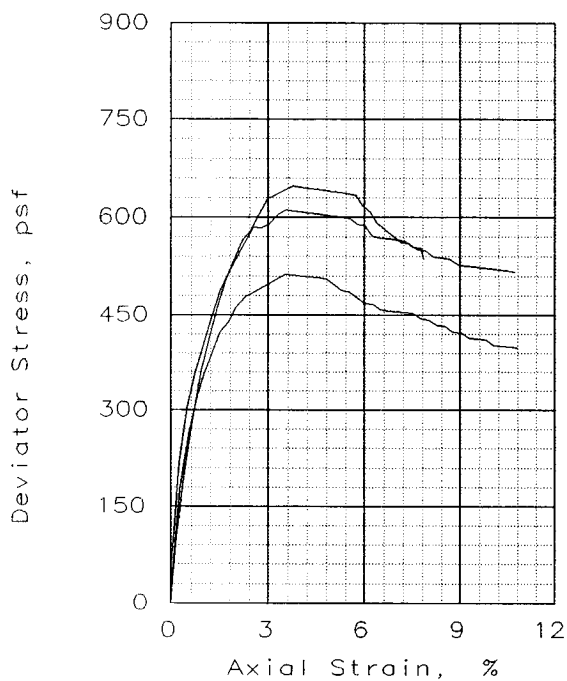
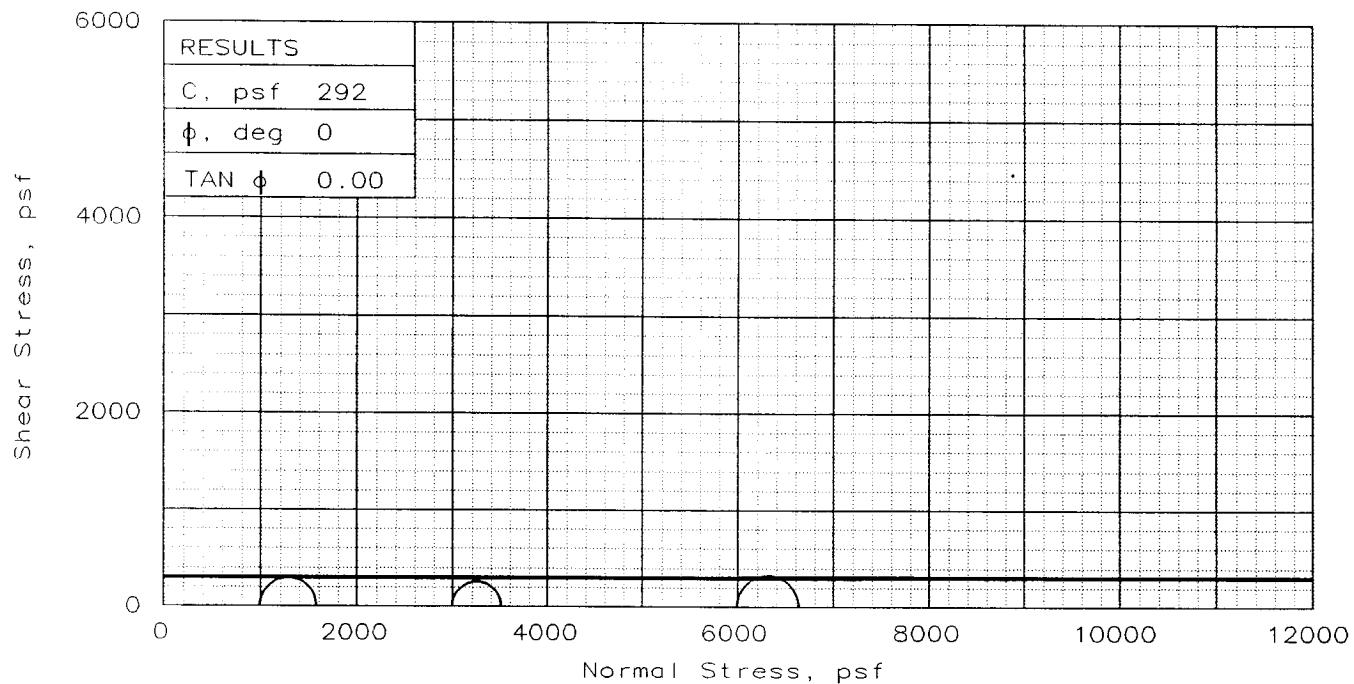
Project: Repairs to Levees and Floodwalls
at the 17th Street Canal.

Location: Boring 12,
Sample 6-B, Depth 15.1', Elev. -18.4

UNCONFINED COMPRESSION TEST

Eustis Engineering Company, Inc.

Fig. No.: _____



SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	73.3	74.4	73.4
	DRY DENSITY, pcf	55.7	54.5	54.8
	SATURATION, %	97.1	95.3	94.8
	VOID RATIO	2.070	2.140	2.120
	DIAMETER, in	1.39	1.39	1.39
AT TEST	HEIGHT, in	2.93	2.93	2.93
	WATER CONTENT, %	75.5	78.2	77.2
	DRY DENSITY, pcf	55.8	54.4	54.9
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	2.068	2.142	2.115
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
	Strain rate, in/min	0.0287	0.0291	0.0288
	BACK PRESSURE, psf	0	0	0
	CELL PRESSURE, psf	994	2995	5990
	FAIL. STRESS, psf	584	513	648
	ULT. STRESS, psf	537	399	517
	σ_1 FAILURE, psf	1578	3508	6638
	σ_3 FAILURE, psf	994	2995	5990

TYPE OF TEST:
Unconsolidated Undrained

SAMPLE TYPE: Undisturbed
DESCRIPTION: So Gr CH4

LL= 87 PL= 30 PI= 57

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

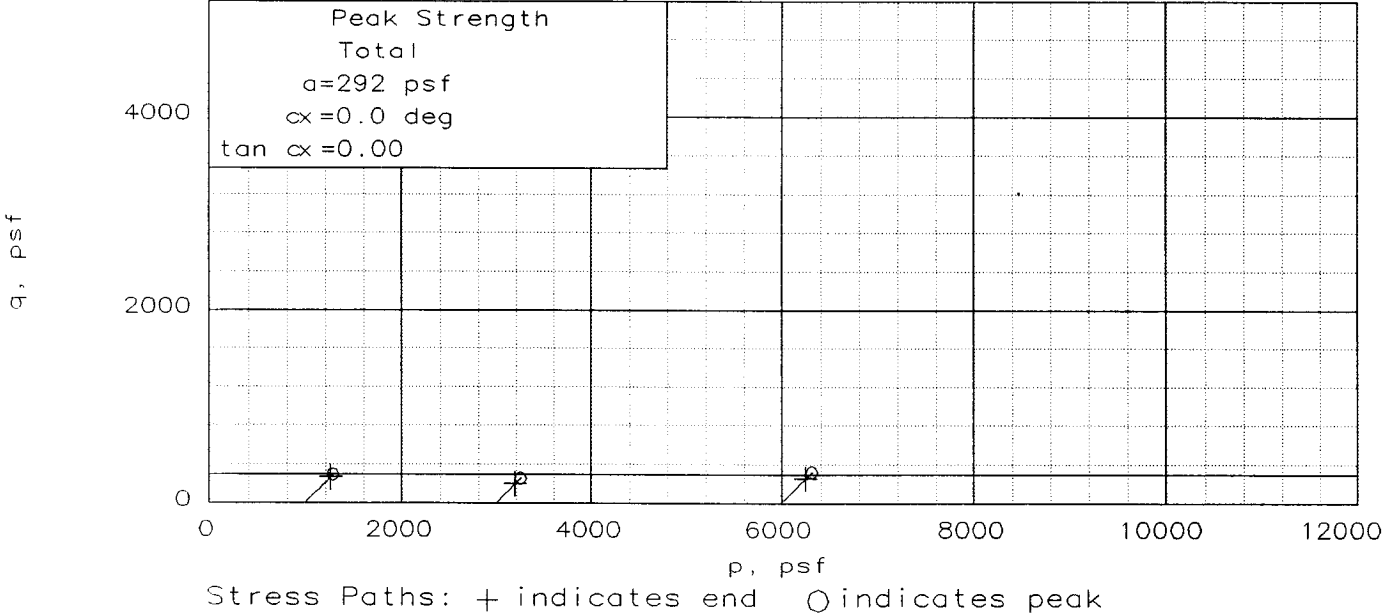
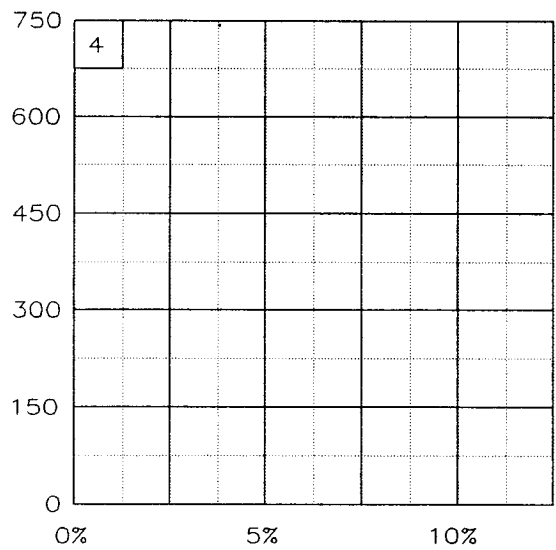
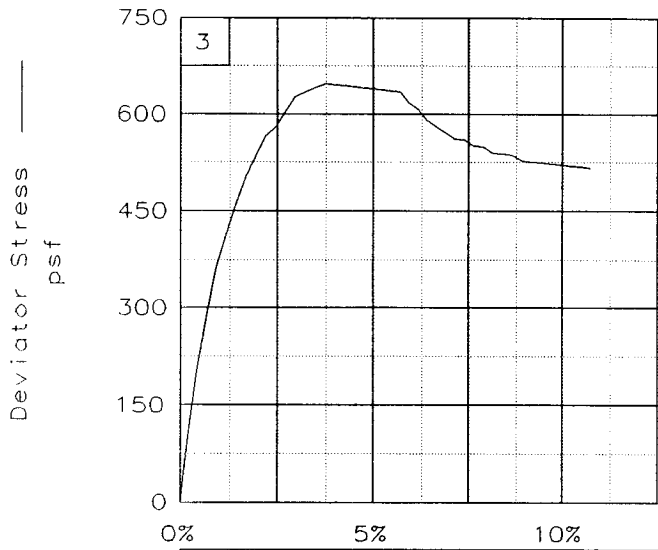
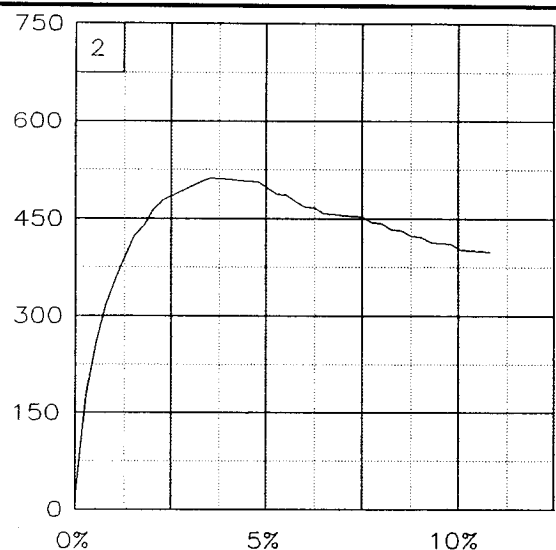
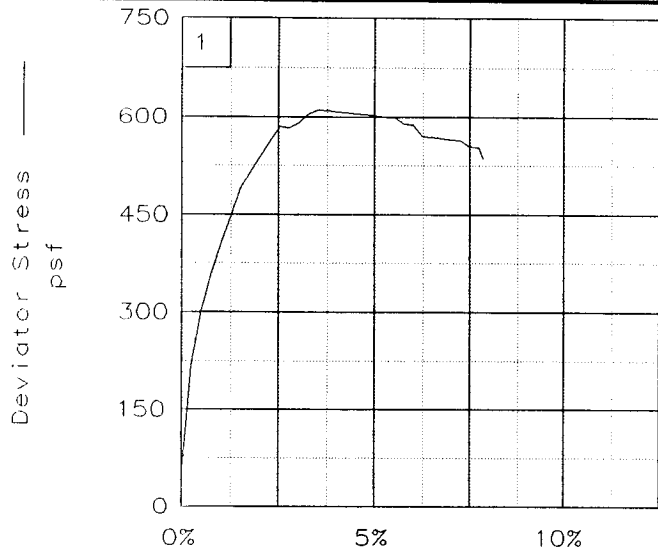
SAMPLE LOCATION: Boring 12,
Sample 7-B, Depth 19.1', Elev. -22.4

PROJ. NO.: 19080 DATE: 10/21/05

TRIAxIAL SHEAR TEST REPORT

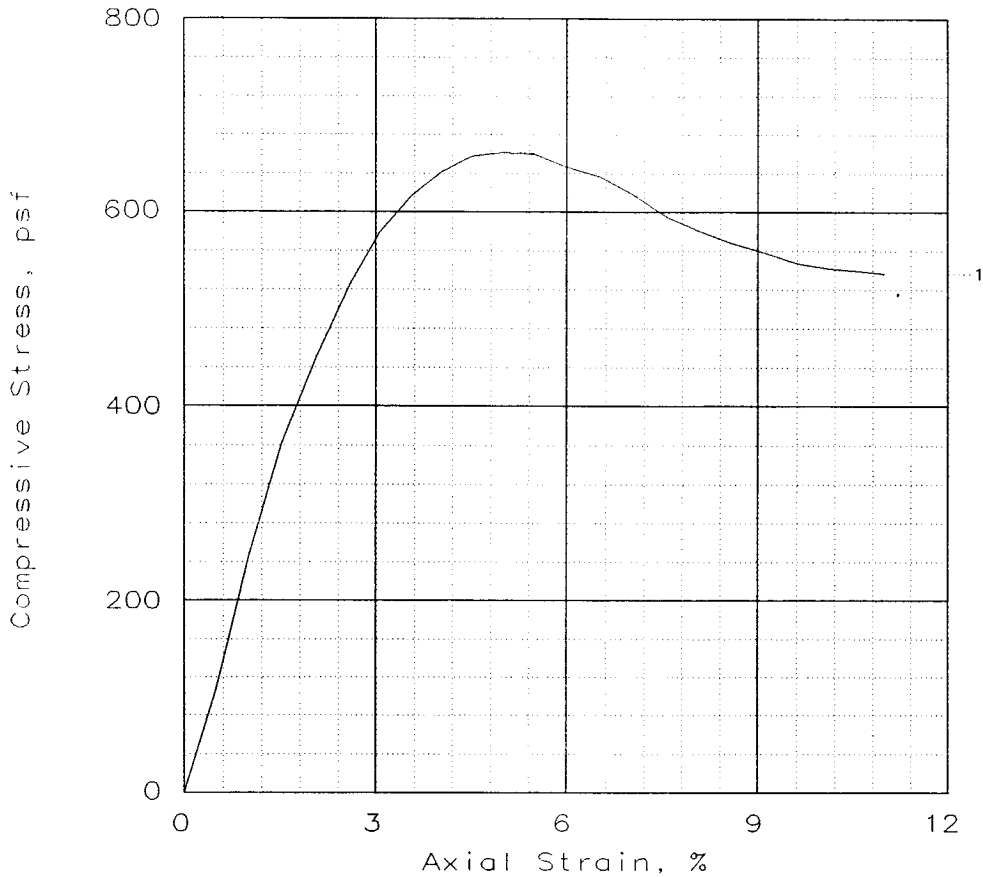
Eustis Engineering Company, Inc.

Fig. No.: _____



Client: U.S. Army Corps of Engineers
 Project: Repairs to Levees and Floodwalls at the 17th Street Canal
 Location: Boring 12, Sample 7-B, Depth 19.1', Elev. -22.4
 File: UU-25131 Project No.: 19080 Fig. No.: _____

UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	662			
Undrained shear strength, psf	331			
Failure strain, %	5.0			
Strain rate, in/min	0.0574			
Water content, %	74.0			
Wet density, pcf	93.4			
Dry density, pcf	53.7			
Saturation, %	92.7			
Void ratio	2.1866			
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: 10/21/05

Remarks:

Torvane = 0.170 tsf

Client: U.S. Army Corps of Engineers

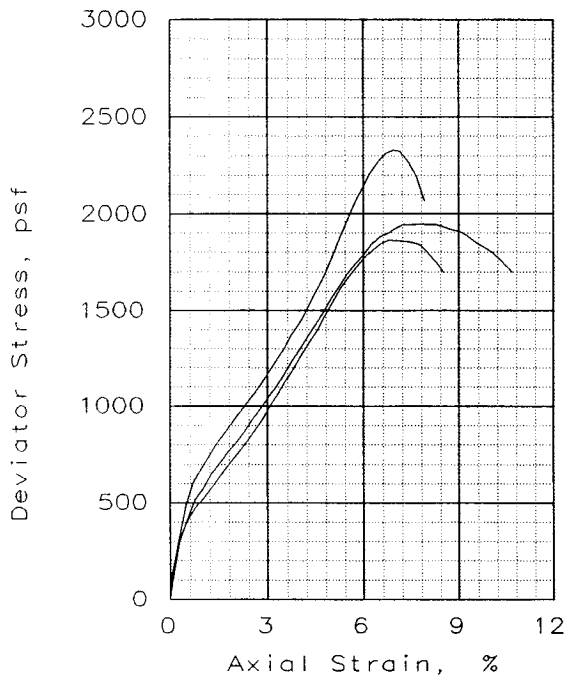
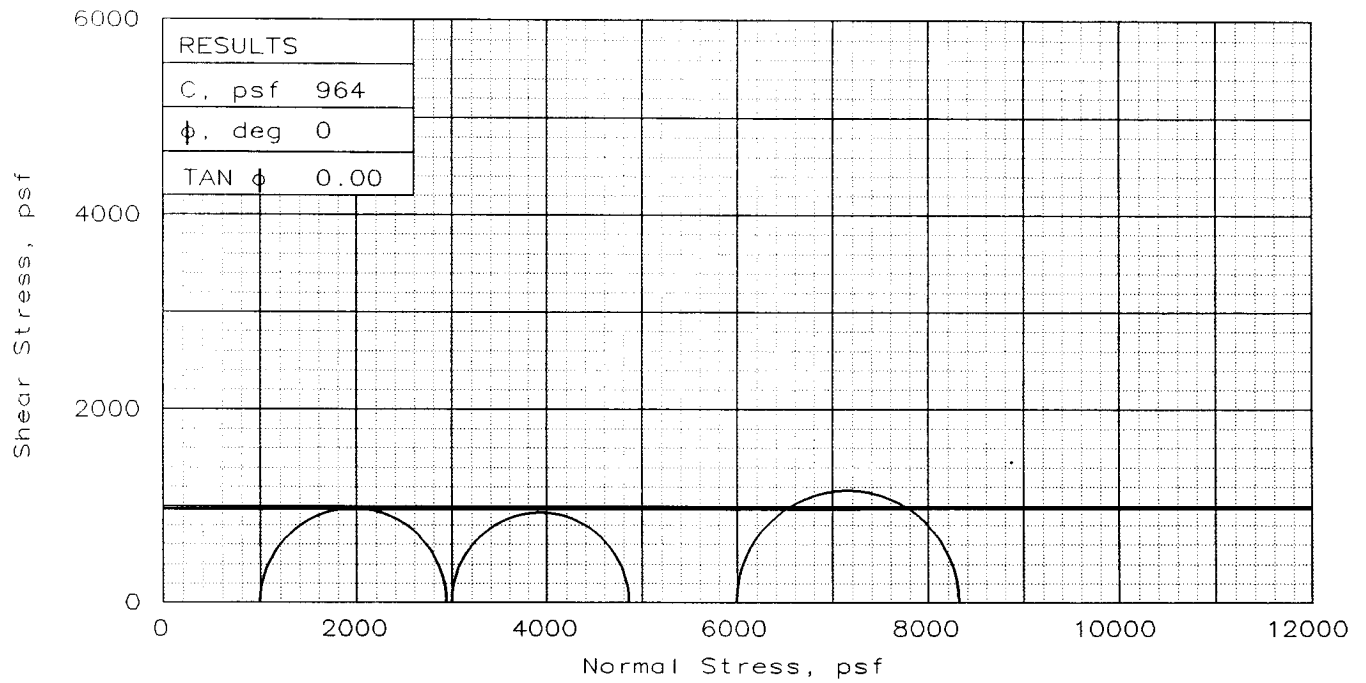
Project: Repairs to Levees and Floodwalls
at the 17th Street Canal

Location: Boring 12,
Sample 8-B, Depth 23.1', Elev. -26.4

UNCONFINED COMPRESSION TEST

Eustis Engineering Company, Inc.

Fig. No.: _____



SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	37.7	37.4	37.6
	DRY DENSITY, pcf	81.9	81.2	82.1
	SATURATION, %	94.9	92.5	95.3
	VOID RATIO	1.087	1.107	1.082
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
AT TEST	WATER CONTENT, %	39.6	40.3	39.5
	DRY DENSITY, pcf	82.1	81.2	82.2
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	1.085	1.106	1.082
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
Strain rate, in/min		0.0291	0.0288	0.0284
BACK PRESSURE, psf		0	0	0
CELL PRESSURE, psf		994	2995	5990
FAIL. STRESS, psf		1948	1866	2329
ULT. STRESS, psf		1698	1700	2069
σ_1 FAILURE, psf		2941	4861	8319
σ_3 FAILURE, psf		994	2995	5990

TYPE OF TEST:
 Unconsolidated Undrained
 SAMPLE TYPE: Undisturbed
 DESCRIPTION: M Gr CH2
 w/ Ins & lys SM
 LL= 52 PL= 19 PI= 33
 SPECIFIC GRAVITY= 2.74
 REMARKS: Torvane = 0.550 tsf

CLIENT: U.S. Army Corps of Engineers

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

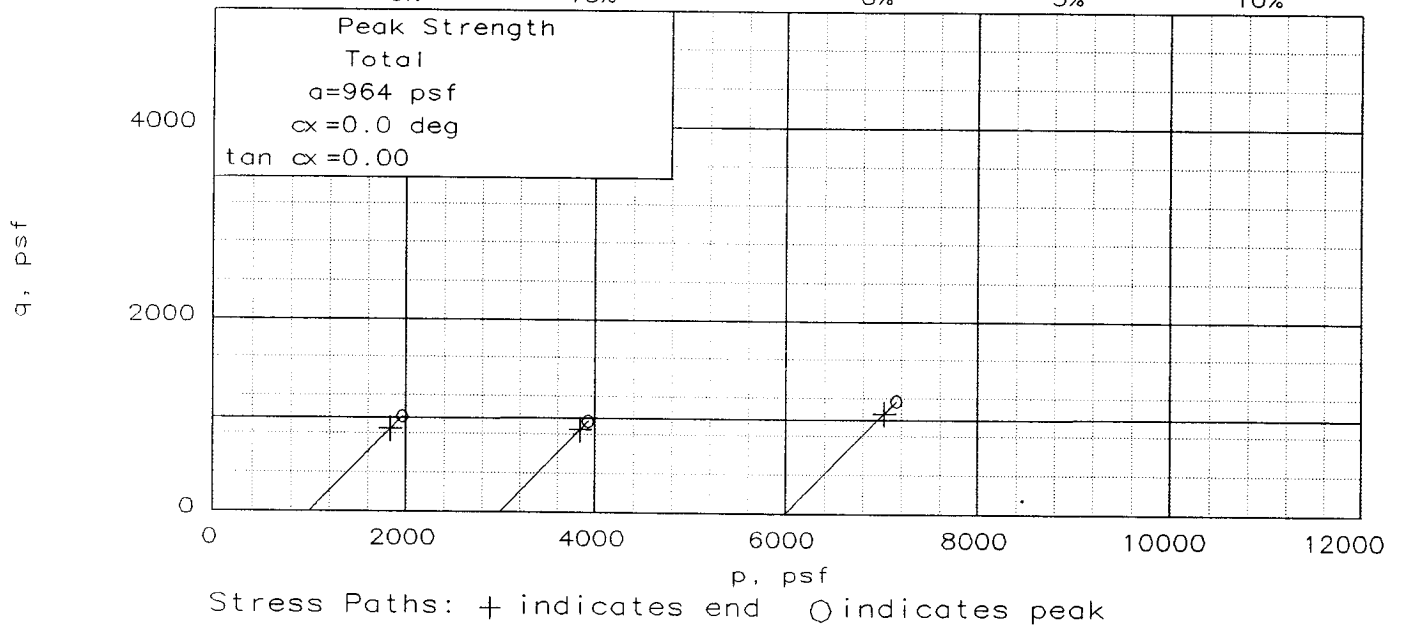
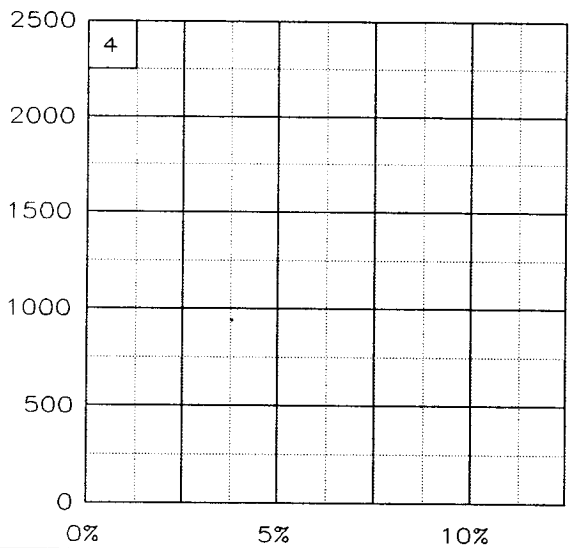
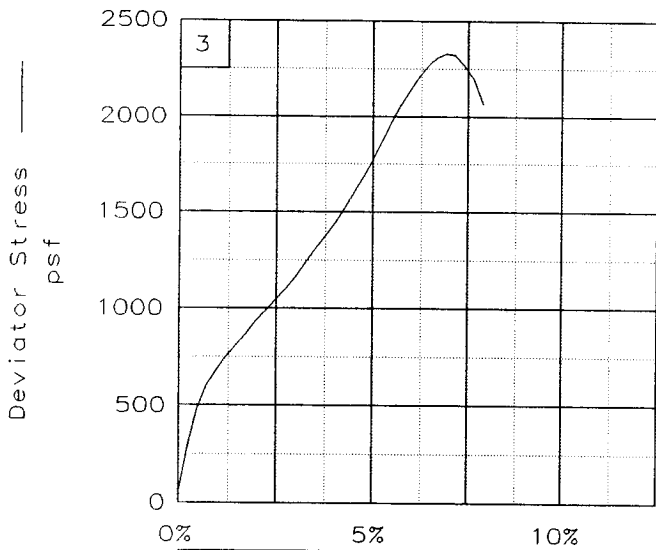
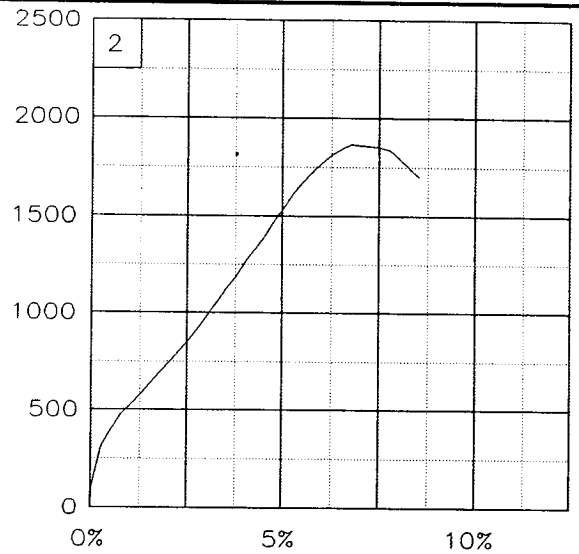
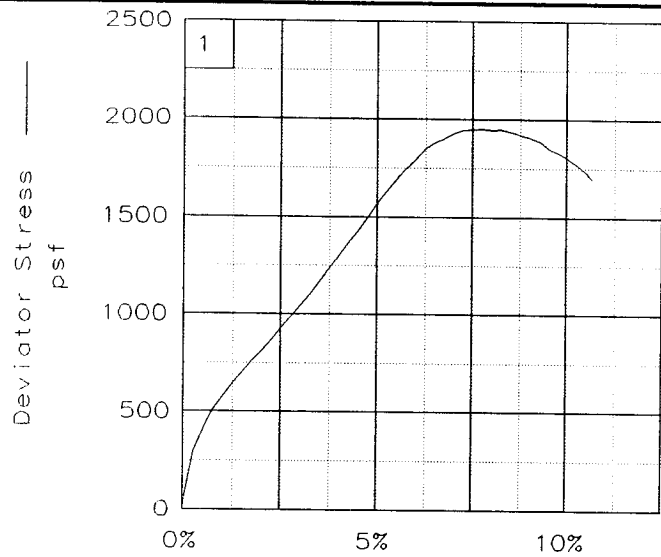
SAMPLE LOCATION: Boring 12,
 Sample 9-B, Depth 27.1', Elev. -30.4

PROJ. NO.: 19080 DATE: 10/21/05

TRIAxIAL SHEAR TEST REPORT

Eustis Engineering Company, Inc.

Fig. No.: _____



Client: U.S. Army Corps of Engineers

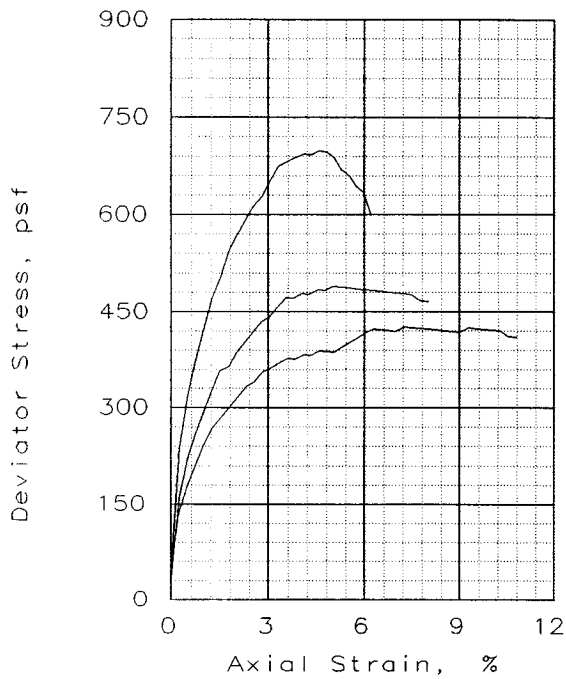
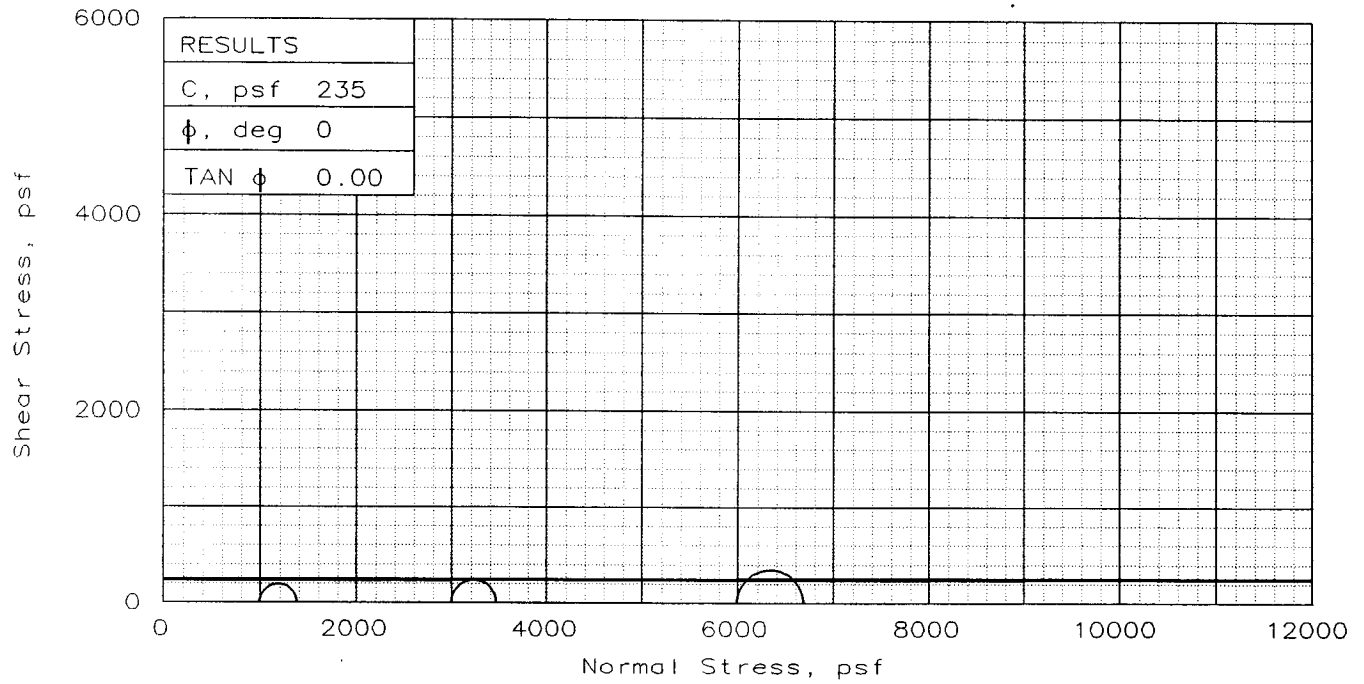
Project: Repairs to Levees and Floodwalls at the 17th Street Canal

Location: Boring 12, Sample 9-B, Depth 27.1', Elev. -30.4

File: UU-25132

Project No.: 19080

Fig. No.: _____



SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	33.2	30.4	28.8
	DRY DENSITY, pcf	85.3	86.0	91.3
	SATURATION, %	91.8	85.4	91.7
	VOID RATIO	0.976	0.961	0.847
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
AT TEST	WATER CONTENT, %	36.1	35.6	31.3
	DRY DENSITY, pcf	85.3	86.0	91.3
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	0.975	0.961	0.846
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
Strain rate, in/min		0.0289	0.0284	0.0284
BACK PRESSURE, psf		0	0	0
CELL PRESSURE, psf		994	2995	5990
FAIL. STRESS, psf		384	472	694
ULT. STRESS, psf		410	466	599
σ_1 FAILURE, psf		1377	3468	6684
σ_3 FAILURE, psf		994	2995	5990

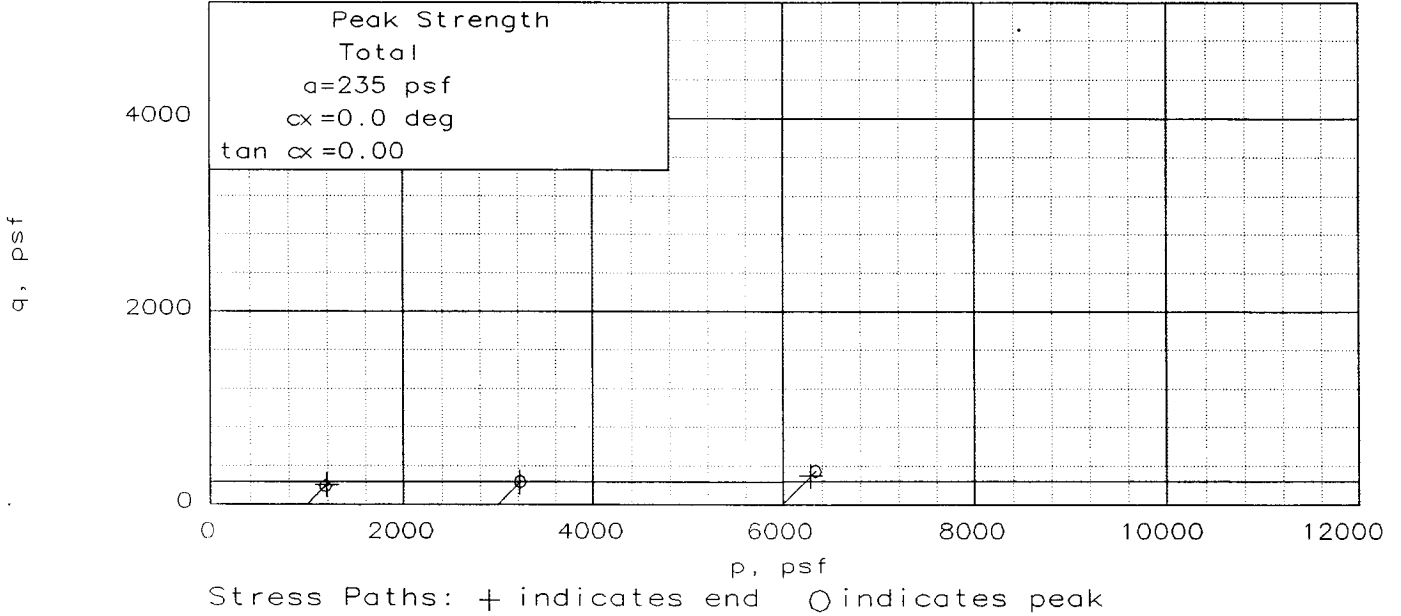
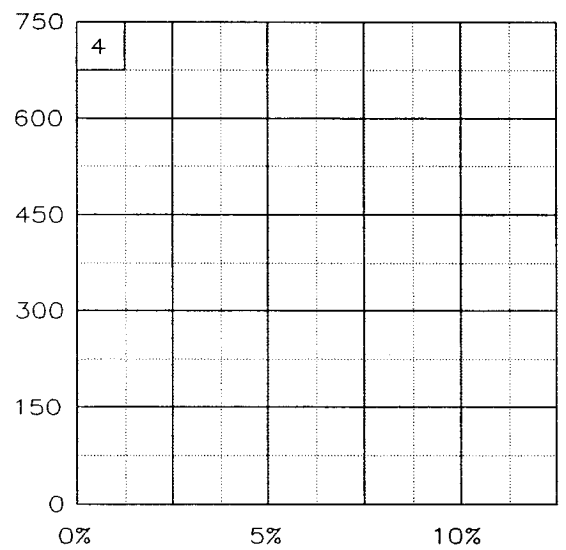
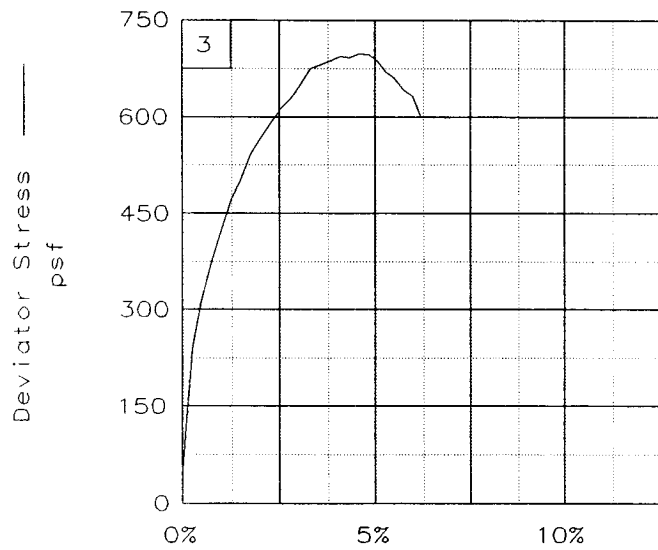
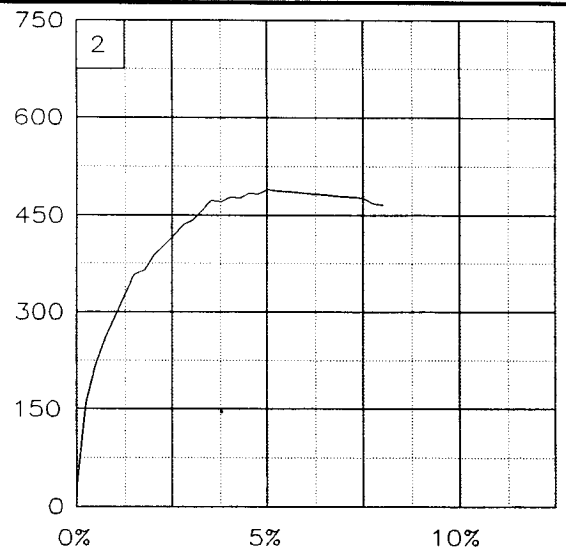
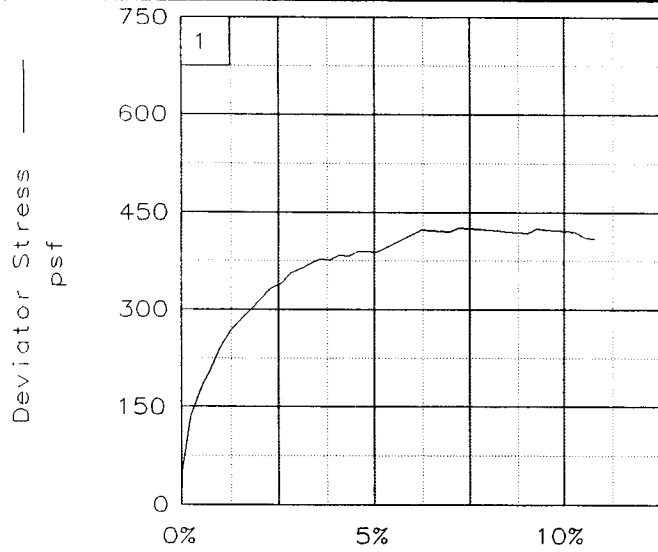
TYPE OF TEST:
Unconsolidated Undrained
SAMPLE TYPE: Undisturbed
DESCRIPTION: vSo Gr CL3
w/ SIF
SPECIFIC GRAVITY= 2.7
REMARKS: Torvane = 0.100 tsf

CLIENT: U.S. Army Corps of Engineers
PROJECT: Repairs to Levees and Floodwalls
at the 17th Street Canal
SAMPLE LOCATION: Boring 12,
Sample 10-B, Depth 31.1', Elev. -34.4
PROJ. NO.: 19080 DATE: 10/21/05

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

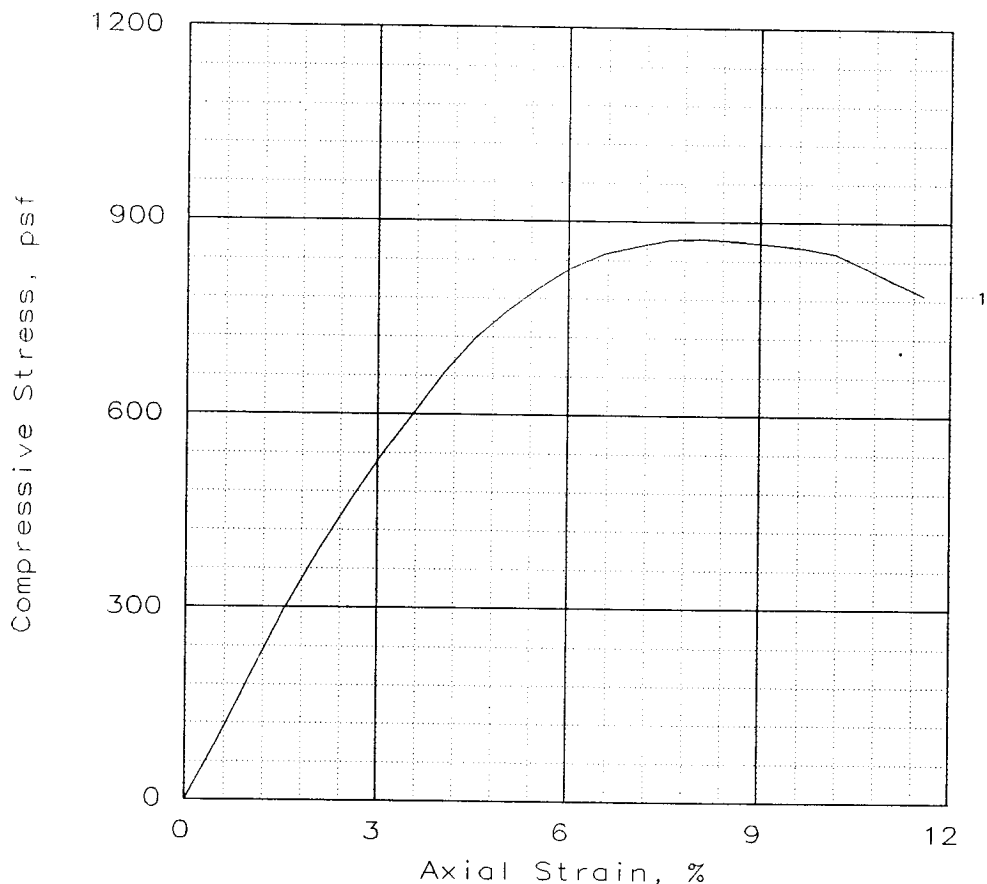
Location: Boring 12, Sample 10-B, Depth 31.1', Elev. -34.4

File: UU-25133

Project No.: 19080

Fig. No.: _____

UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	873			
Undrained shear strength, psf	437			
Failure strain, %	8.1			
Strain rate, in/min	0.0573			
Water content, %	55.8			
Wet density, pcf	101.4			
Dry density, pcf	65.1			
Saturation, %	93.9			
Void ratio	1.6288			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

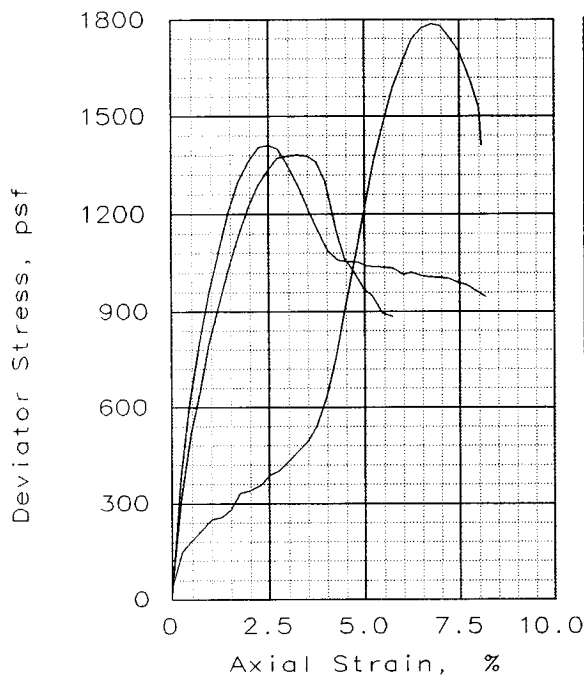
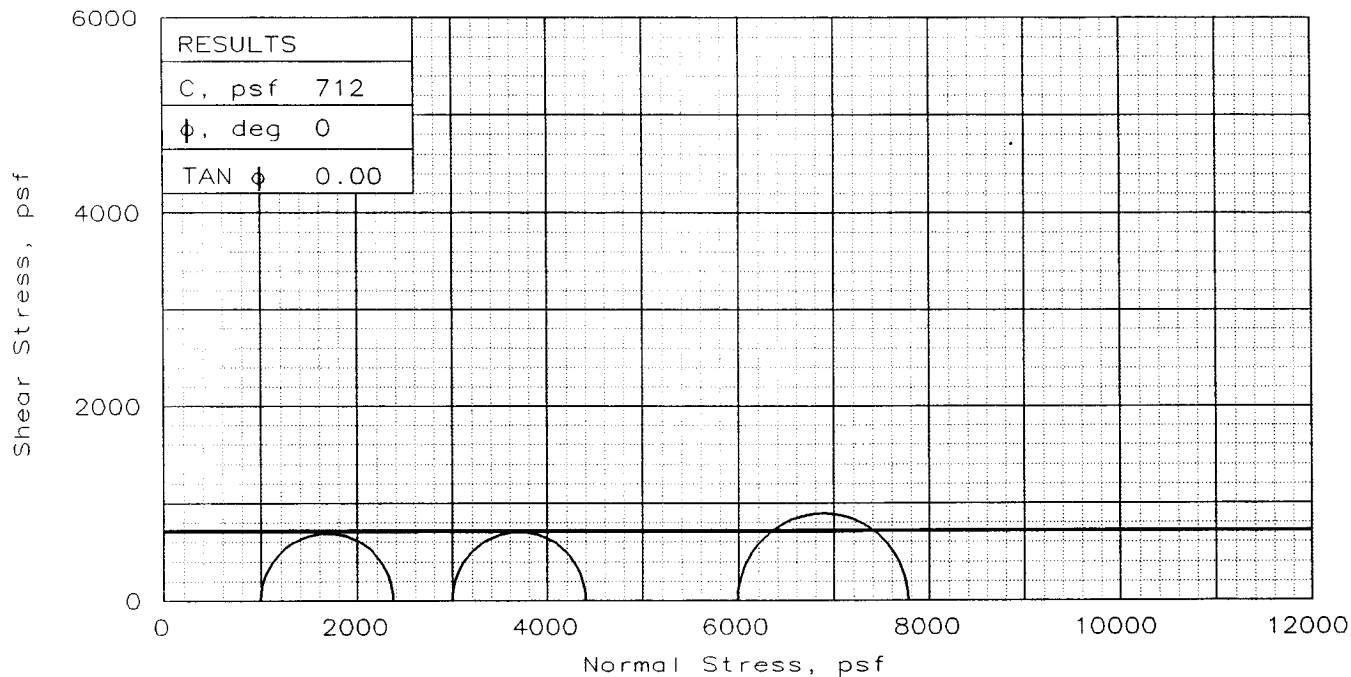
Description: So Gr CH4 w/ Ins SM

	GS= 2.74	Type: Undisturbed
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Project No.: 19080
 Date: 10/21/05
 Remarks:
 Torvane = 0.250 tsf
 Fig. No.: _____

Client: U.S. Army Corps of Engineers
 Project: Repairs to Levees and Floodwalls at the 17th Street Canal
 Location: Boring 12,
 Sample 14-C, Depth 41.1', Elev. -44.4

UNCONFINED COMPRESSION TEST
Eustis Engineering Company, Inc.



SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	56.3	56.0	54.0
	DRY DENSITY, pcf	65.0	65.2	66.6
	SATURATION, %	94.6	94.6	94.3
	VOID RATIO	1.630	1.622	1.568
	DIAMETER, in	1.39	1.39	1.39
AT TEST	HEIGHT, in	2.93	2.93	2.93
	WATER CONTENT, %	59.5	59.2	57.3
	DRY DENSITY, pcf	65.1	65.2	66.6
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	1.629	1.623	1.570
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
Strain rate, in/min		0.0283	0.0287	0.0287
BACK PRESSURE, psf		0	0	0
CELL PRESSURE, psf		994	2995	5990
FAIL. STRESS, psf		1381	1410	1786
ULT. STRESS, psf		884	945	1411
σ_1 FAILURE, psf		2375	4405	7776
σ_3 FAILURE, psf		994	2995	5990

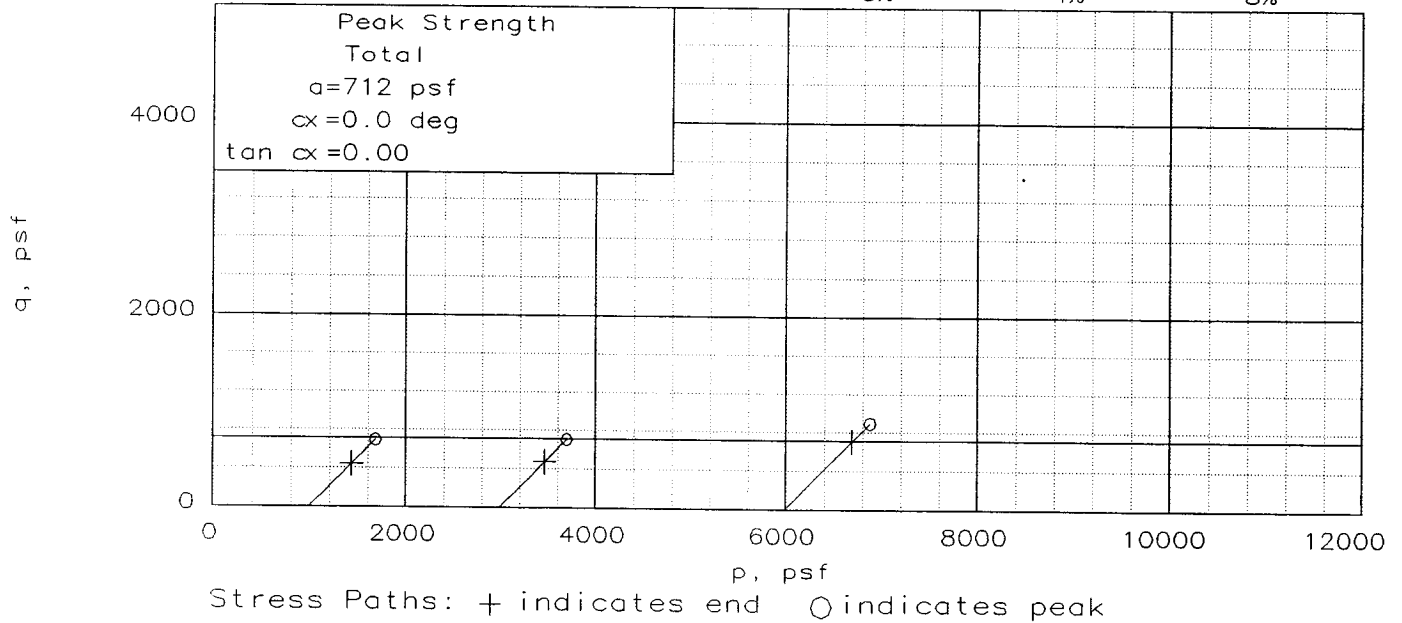
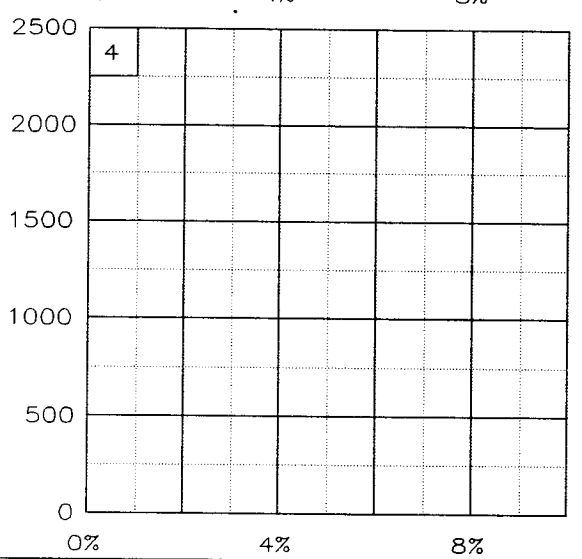
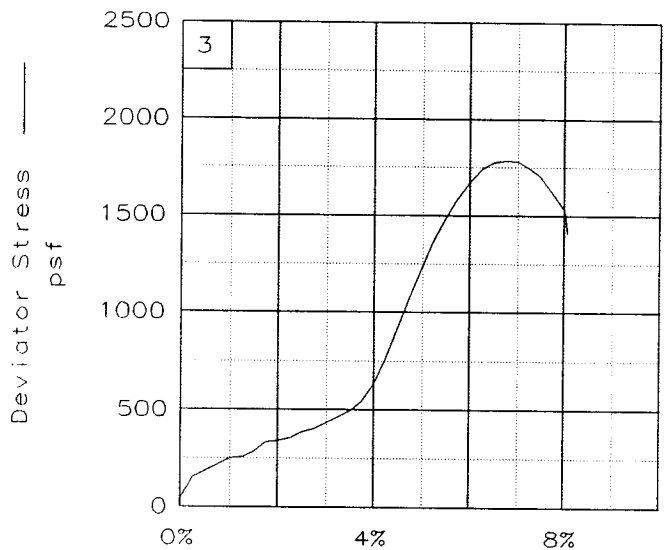
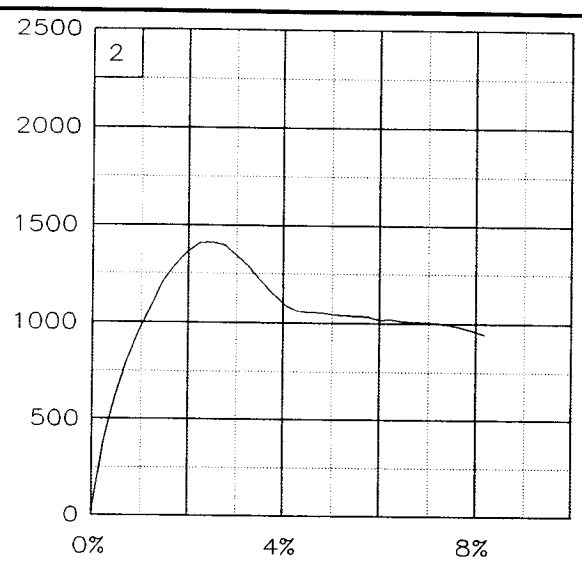
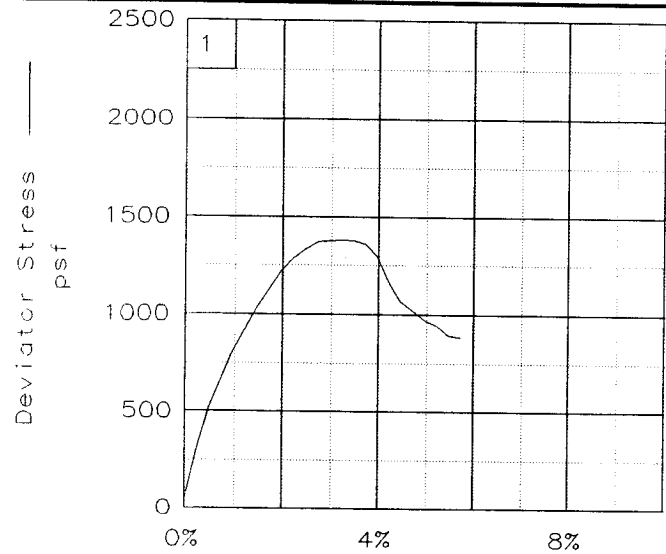
TYPE OF TEST:
Unconsolidated Undrained
SAMPLE TYPE: Undisturbed
DESCRIPTION: M Gr CH3
w/ SIF, Ins SP
LL= 68 PL= 24 PI= 44
SPECIFIC GRAVITY= 2.74
REMARKS: Torvane = 0.270 tsf

CLIENT: U.S. Army Corps of Engineers
PROJECT: Repairs to Levees and Floodwalls
at the 17th Street Canal
SAMPLE LOCATION: Boring 12,
Sample 15-C, Depth 45.0', Elev. -48.3
PROJ. NO.: 19080 DATE: 10/21/05

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

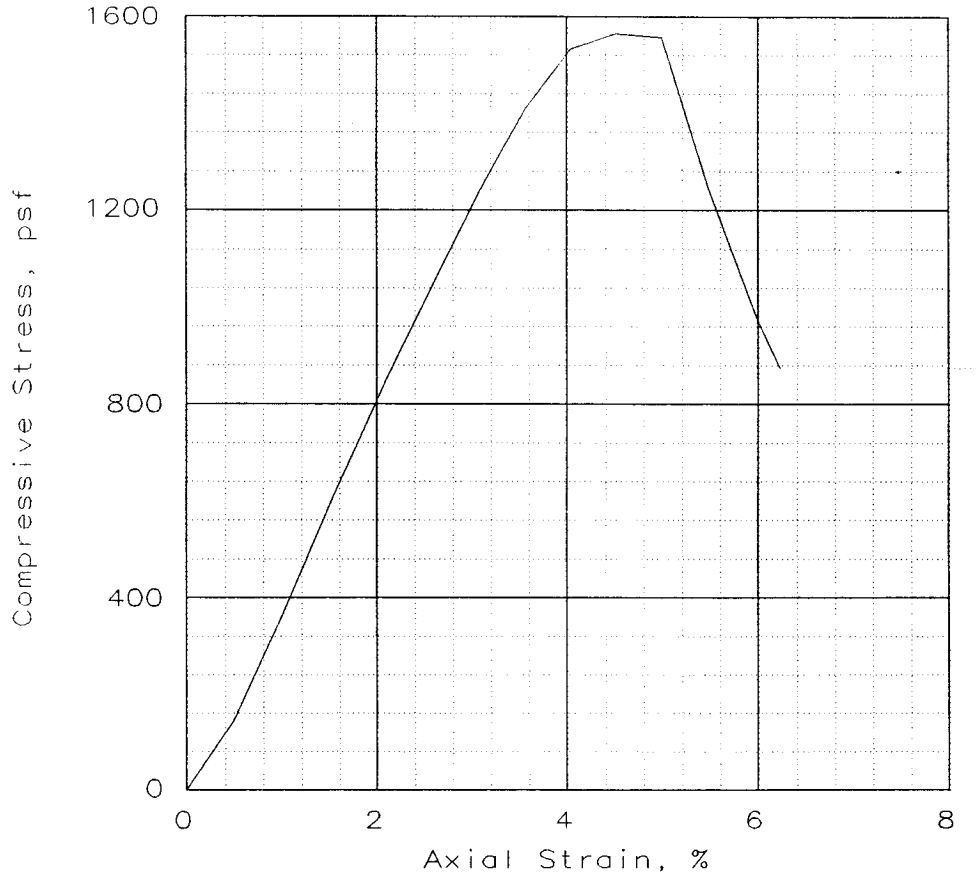
Location: Boring 12, Sample 15-C, Depth 45.0', Elev. -48.3

File: UU-25134

Project No.: 19080

Fig. No.: _____

UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	1565			
Undrained shear strength, psf	782			
Failure strain, %	4.5			
Strain rate, in/min	0.0540			
Water content, %	62.1			
Wet density, pcf	99.1			
Dry density, pcf	61.1			
Saturation, %	95.0			
Void ratio	1.7776			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

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

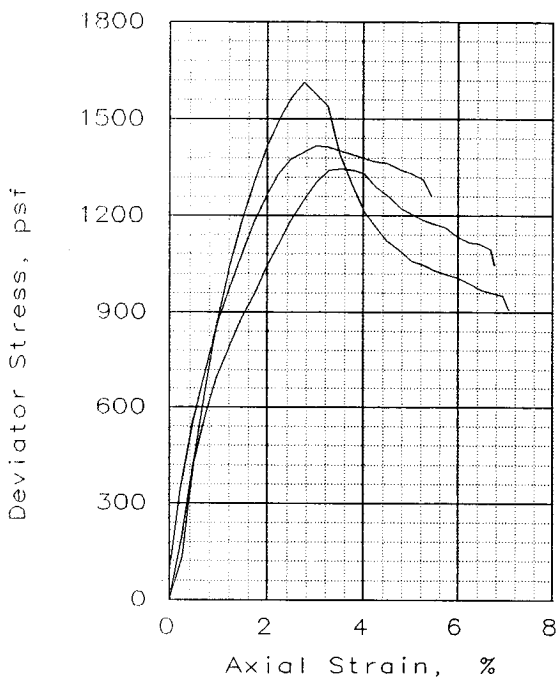
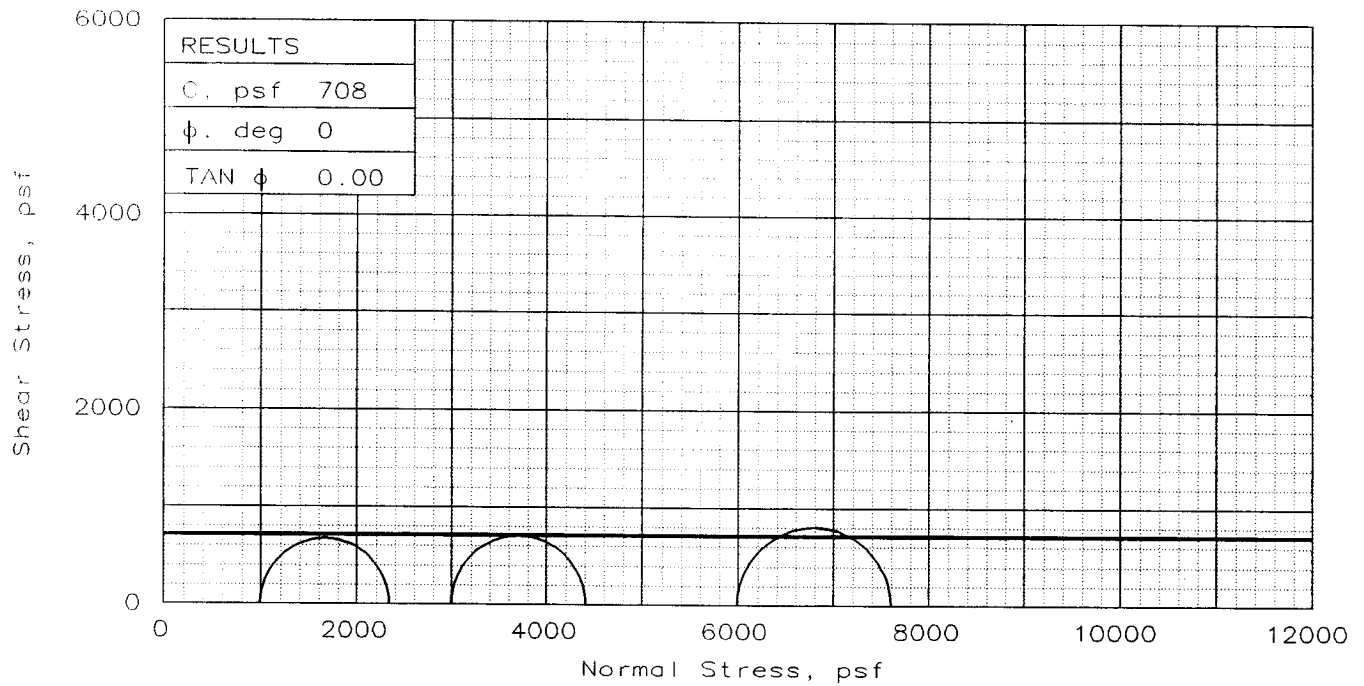
GS= 2.72 Type: Undisturbed

Project No.: 19080
 Date: 10/21/05
 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
 Location: Boring 12,
 Sample 16-B, Depth 48.1', Elev. -51.4

UNCONFINED COMPRESSION TEST
Eustis Engineering Company, Inc.



SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	60.3	54.2	53.4
	DRY DENSITY, pcf	62.5	66.8	67.0
	SATURATION, %	95.2	95.3	94.4
	VOID RATIO	1.735	1.560	1.552
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
AT TEST	WATER CONTENT, %	63.4	56.8	56.7
	DRY DENSITY, pcf	62.5	66.9	67.0
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	1.738	1.557	1.553
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
Time to failure, min	0	0	0	
BACK PRESSURE, psf	0	0	0	
CELL PRESSURE, psf	994	2995	5990	
FAIL. STRESS, psf	1345	1418	1613	
ULT. STRESS, psf	1046	1262	909	
σ_1 FAILURE, psf	2339	4413	7603	
σ_3 FAILURE, psf	994	2995	5990	

TYPE OF TEST:
Unconsolidated Undrained

SAMPLE TYPE: Undisturbed

DESCRIPTION: M Gr CH4
w/ SIF, SL

LL= 78 PL= 23 PI= 55

SPECIFIC GRAVITY= 2.74

REMARKS: Torvane = 0.430 tsf

CLIENT: U.S. Army Corps of Engineers

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

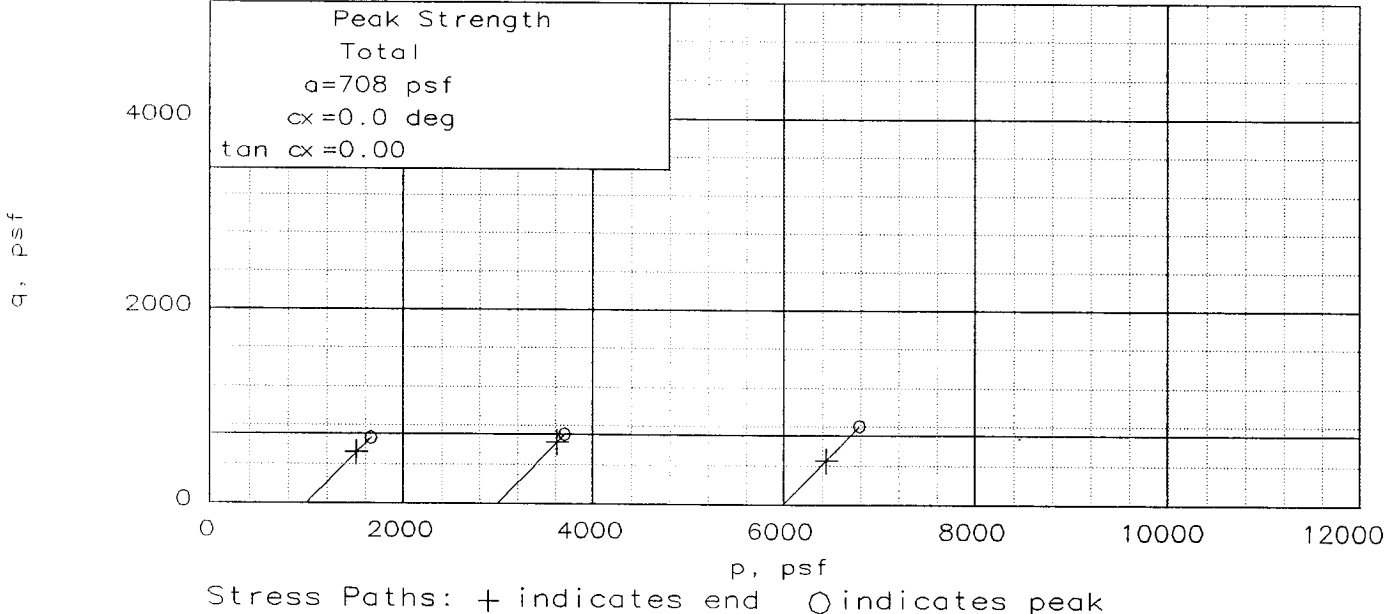
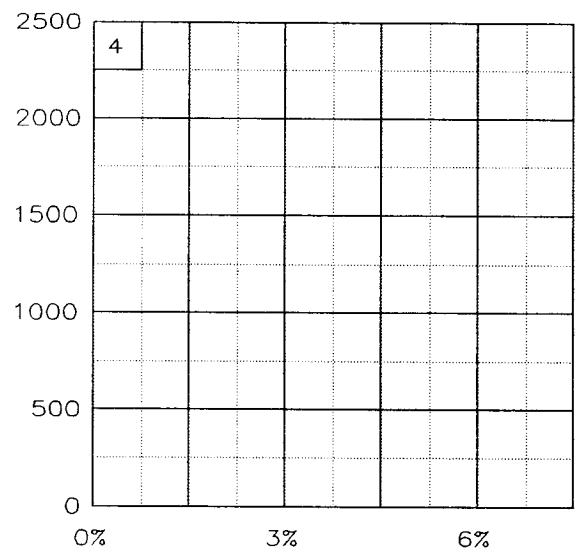
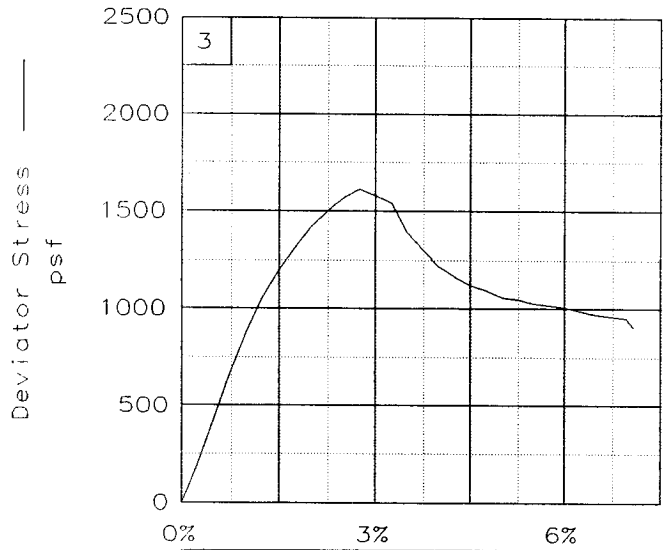
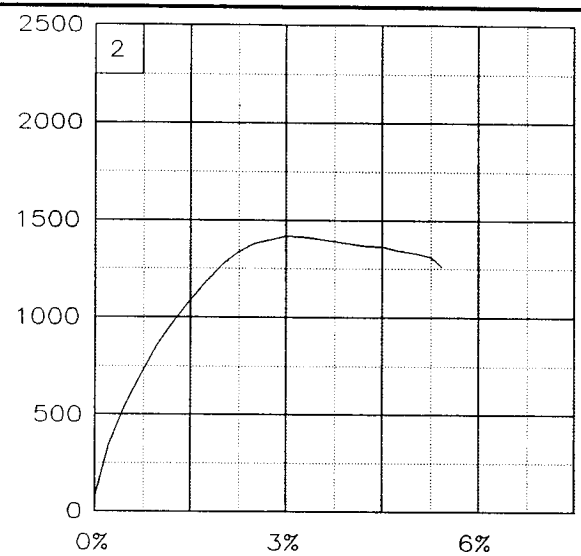
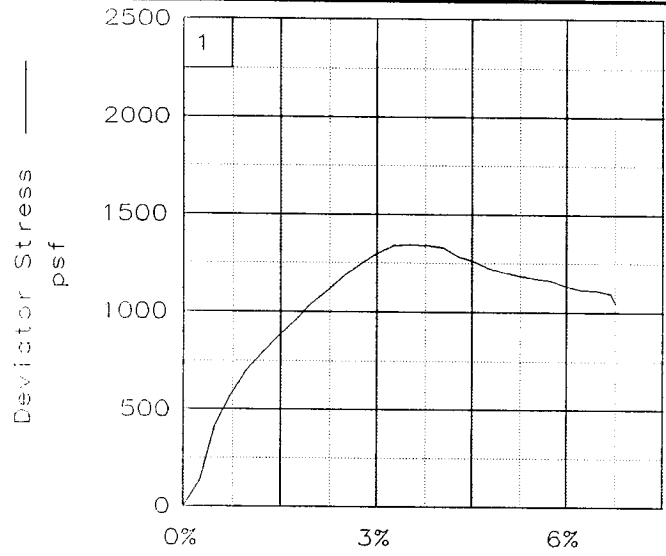
SAMPLE LOCATION: Boring 12,
Sample 17-B, Depth 52.1', Elev. -55.4

PROJ. NO.: 19080 DATE: 10/21/05

TRIAXIAL SHEAR TEST REPORT

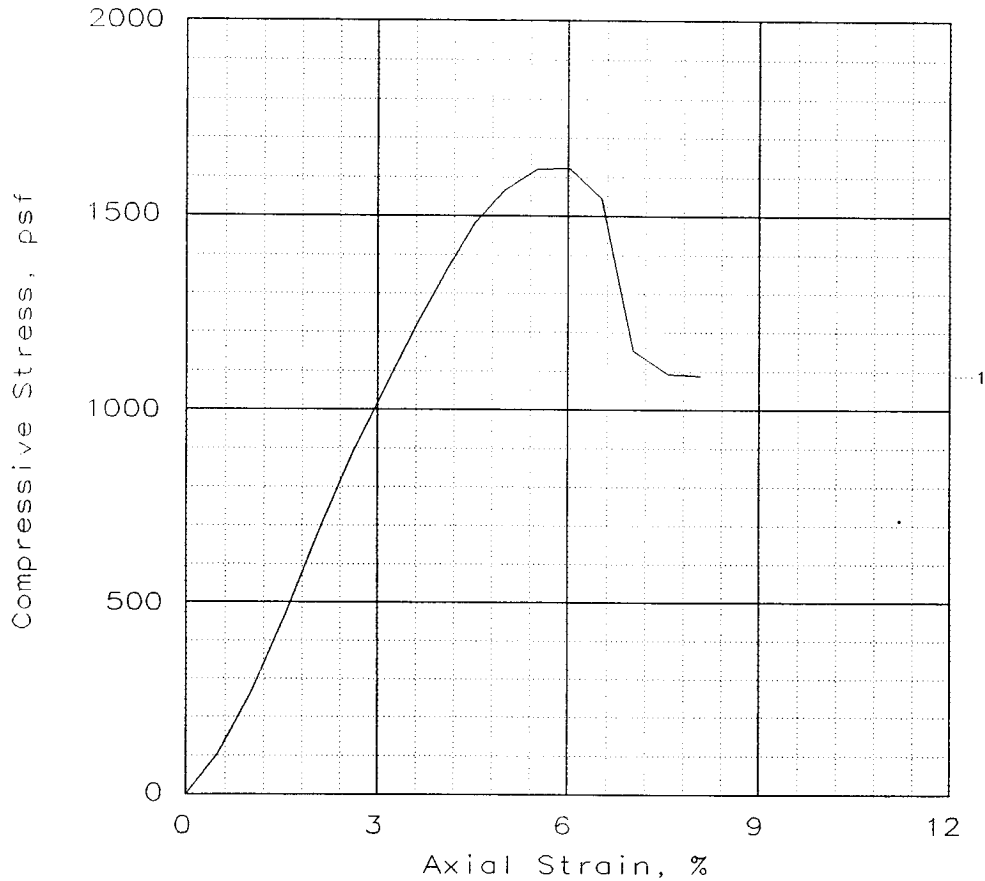
Eustis Engineering Company, Inc.

Fig. No.: _____



Client: U.S. Army Corps of Engineers
 Project: Repairs to Levees and Floodwalls at the 17th Street Canal
 Location: Boring 12, Sample 17-B, Depth 52.1', Elev. -55.4
 File: UU-25135 Project No.: 19080 Fig. No.: _____

UNCONFINED COMPRESSION TEST



SPECIMEN NO. :	1		
Unconfined strength, psf	1623		
Undrained shear strength, psf	811		
Failure strain, %	6.0		
Strain rate, in/min	0.0570		
Water content, %	48.7		
Wet density, pcf	105.7		
Dry density, pcf	71.1		
Saturation, %	94.9		
Void ratio	1.4060		
Specimen diameter, in	1.39		
Specimen height, in	2.93		
Height/diameter ratio	2.11		

Description: M Gr CH4 w/ SL, SIF

GS= 2.74

Type: Undisturbed

Project No.: 19080

Date: 10/21/05

Remarks:

Torvane = 0.340 tsf

Client: U.S. Army Corps of Engineers

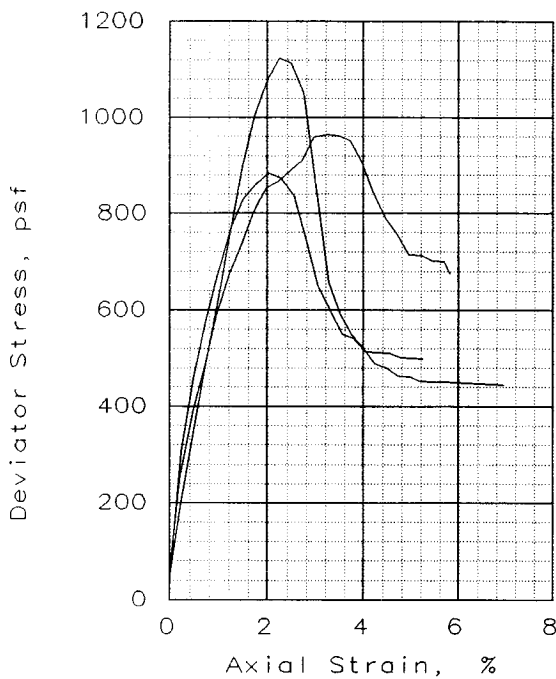
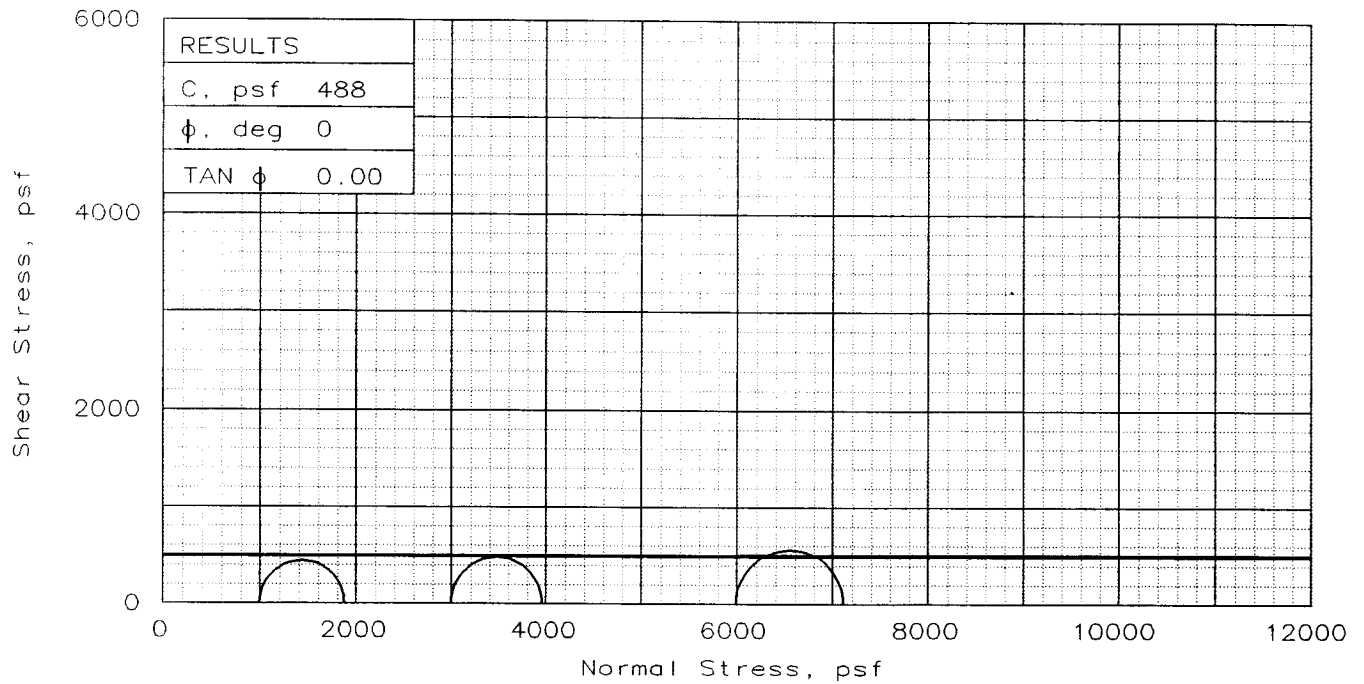
Project: Repairs to Levees and Floodwalls
at the 17th Street Canal

Location: Boring 12,
Sample 18-B, Depth 56.1', Elev. -59.4

UNCONFINED COMPRESSION TEST

Eustis Engineering Company, Inc.

Fig. No.: _____



SPECIMEN NO.:		1	2	3
INITIAL	WATER CONTENT, %	25.4	23.8	25.1
	DRY DENSITY, pcf	93.9	98.6	96.0
	SATURATION, %	86.1	90.6	89.7
	VOID RATIO	0.796	0.710	0.756
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
AT TEST	WATER CONTENT, %	29.5	26.3	27.9
	DRY DENSITY, pcf	93.9	98.6	96.1
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	0.796	0.709	0.754
	DIAMETER, in	1.39	1.39	1.39
	HEIGHT, in	2.93	2.93	2.93
Strain rate, in/min		0.0285	0.0283	0.0286
BACK PRESSURE, psf		0	0	0
CELL PRESSURE, psf		994	2995	5990
FAIL. STRESS, psf		883	964	1124
ULT. STRESS, psf		500	676	444
σ_1 FAILURE, psf		1877	3959	7114
σ_3 FAILURE, psf		994	2995	5990

TYPE OF TEST:
Unconsolidated Undrained

SAMPLE TYPE: Undisturbed
DESCRIPTION: So 1Gr CL3

LL= 26 PL= 14 PI= 12

SPECIFIC GRAVITY= 2.7

REMARKS: Torvane = 0.180 tsf

CLIENT: U.S. Army Corps of Engineers

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

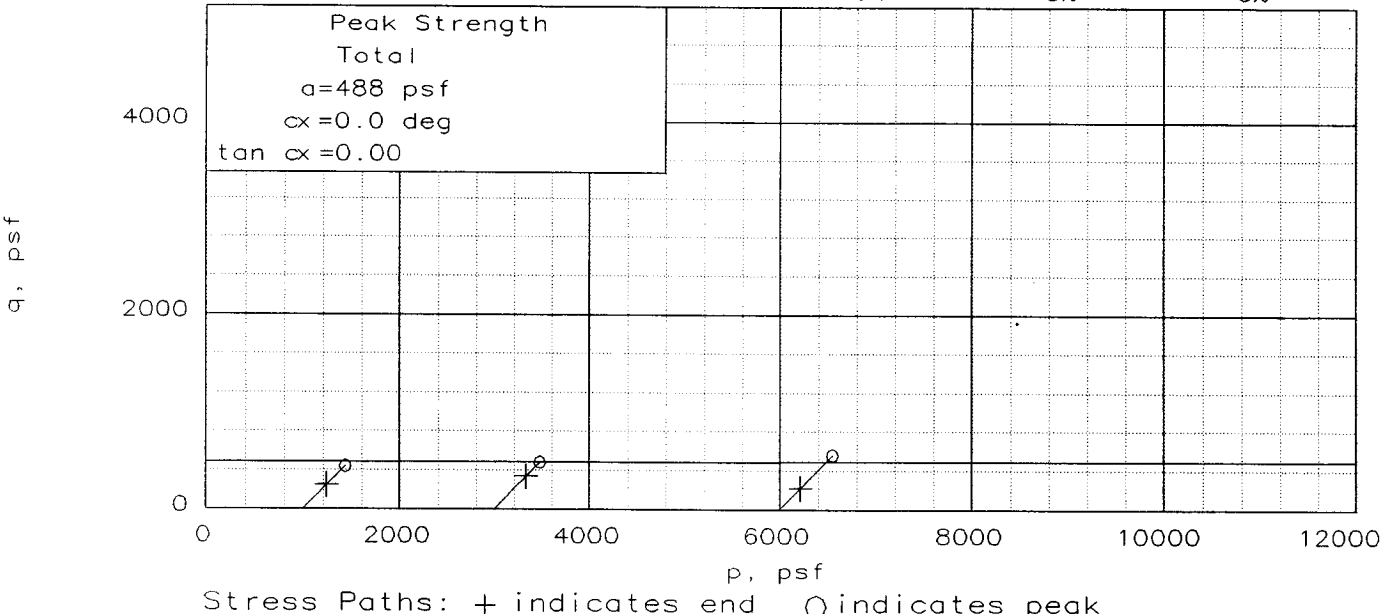
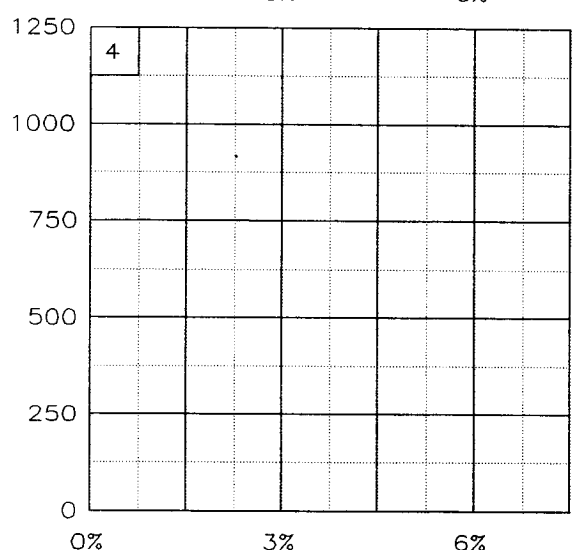
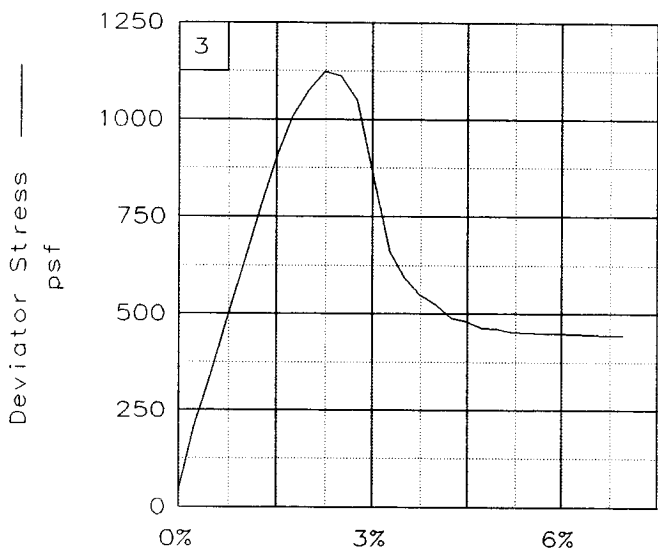
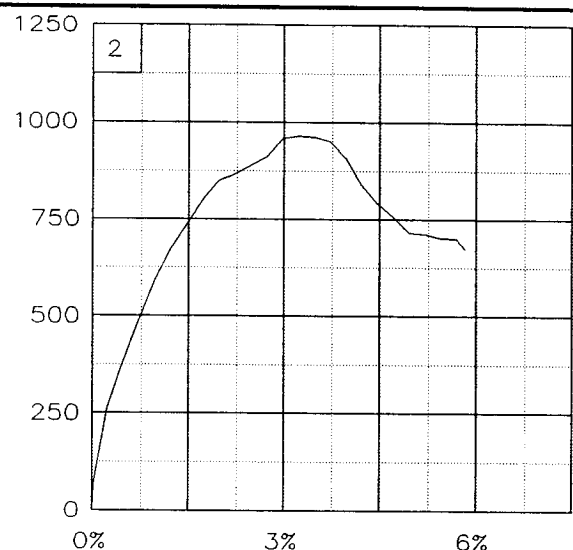
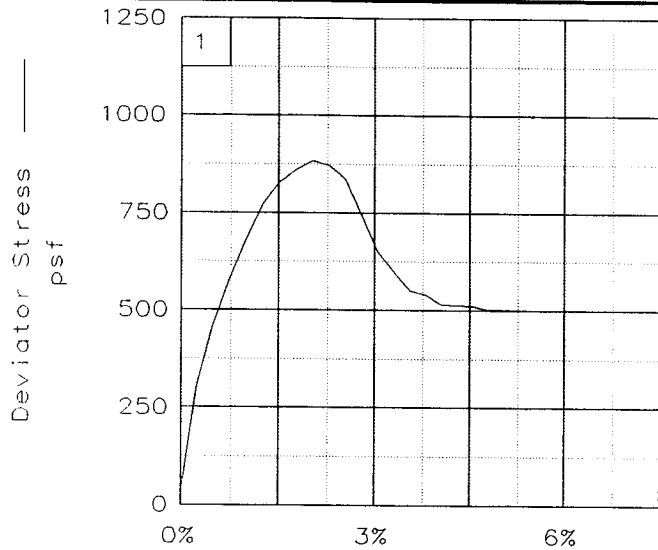
SAMPLE LOCATION: Boring 12,
Sample 19-B, Depth 60.1', Elev. -63.4

PROJ. NO.: 19080 DATE: 10/21/05

TRIAXIAL SHEAR TEST REPORT

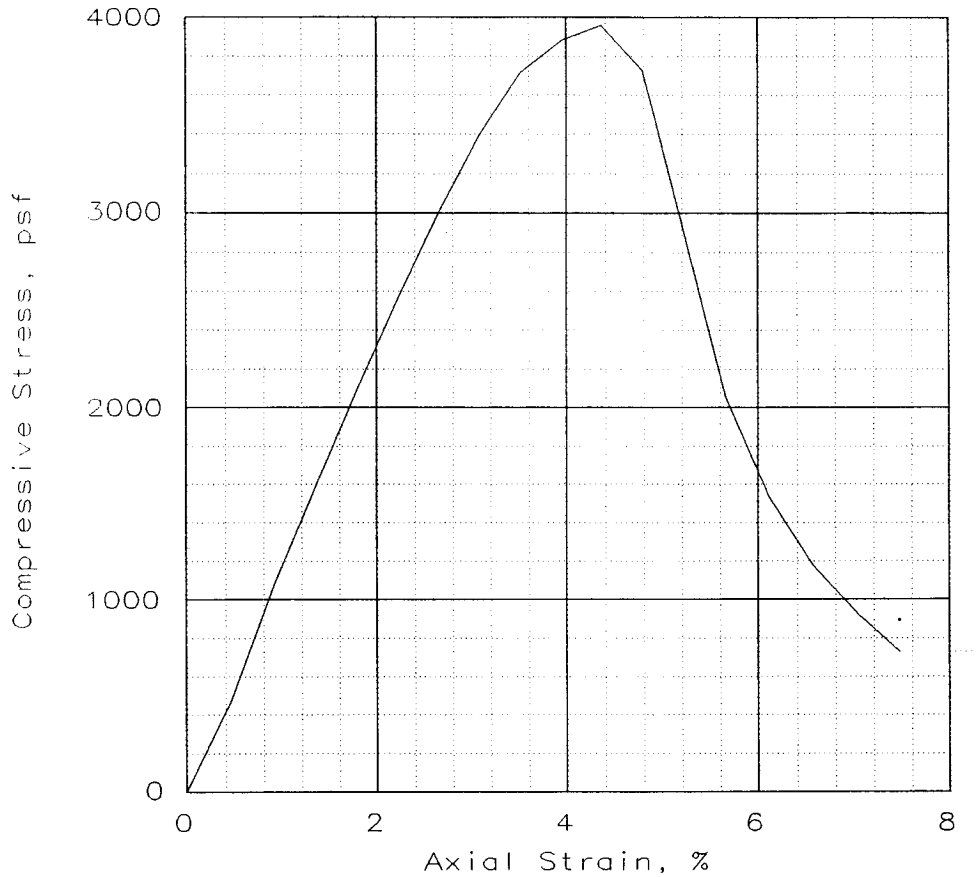
Eustis Engineering Company, Inc.

Fig. No.: _____



Client: U.S. Army Corps of Engineers
 Project: Repairs to Levees and Floodwalls at the 17th Street Canal
 Location: Boring 12, Sample 19-B, Depth 60.1', Elev. -63.4
 File: UU-25136 Project No.: 19080 Fig. No.: _____

UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	3956			
Undrained shear strength, psf	1978			
Failure strain, %	4.4			
Strain rate, in/min	0.0384			
Water content, %	32.7			
Wet density, pcf	114.3			
Dry density, pcf	86.1			
Saturation, %	90.9			
Void ratio	0.9862			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

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

GS= 2.74

Type: Undisturbed

Project No.: 19080

Date: 10/21/05

Remarks:

Torvane = 1.050 tsf

Client: U.S. Army Corps of Engineers

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

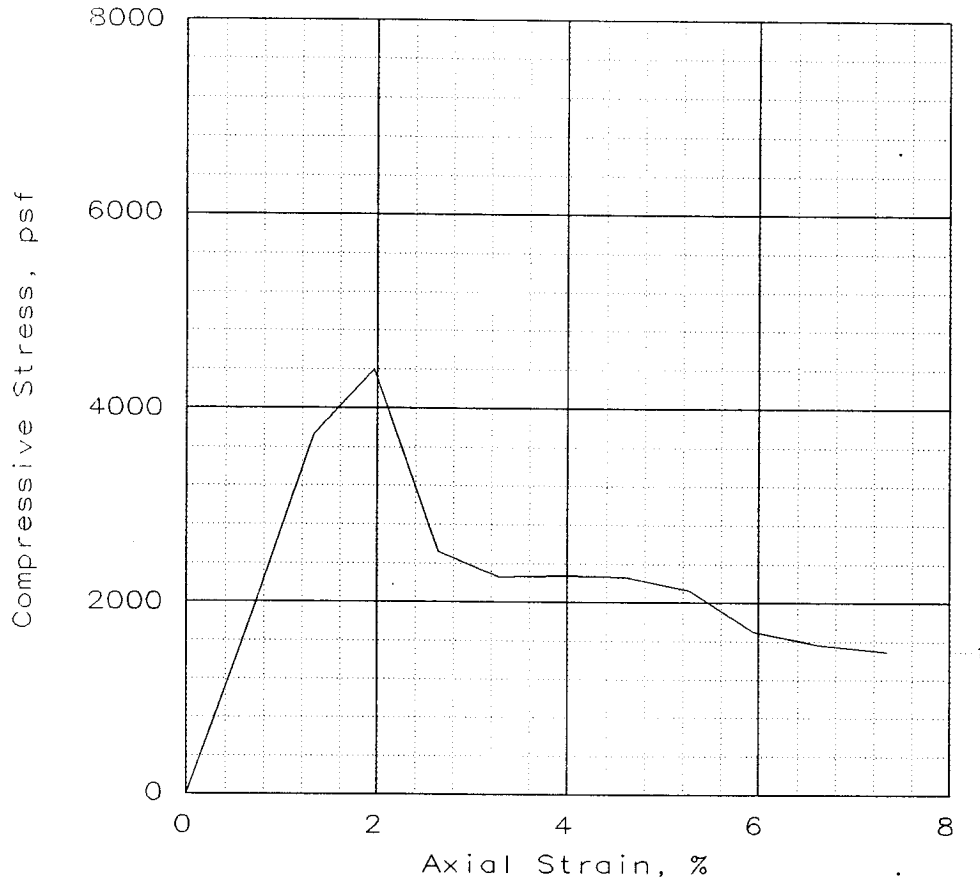
Location: Boring 12,
Sample 23-B, Depth 73.1', Elev. -76.4

UNCONFINED COMPRESSION TEST

Eustis Engineering Company, Inc.

Fig. No.: _____

UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1		
Unconfined strength, psf	4396		
Undrained shear strength, psf	2198		
Failure strain, %	2.0		
Strain rate, in/min	0.0574		
Water content, %	23.3		
Wet density, pcf	122.7		
Dry density, pcf	99.5		
Saturation, %	90.7		
Void ratio	0.6932		
Specimen diameter, in	1.39		
Specimen height, in	2.93		
Height/diameter ratio	2.11		

Description: vSt T CL6

GS= 2.7

Type: Undisturbed

Project No.: 19080

Date: 10/21/05

Remarks:

Torvane = 1.000 tsf

Client: U.S. Army Corps of Engineers

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

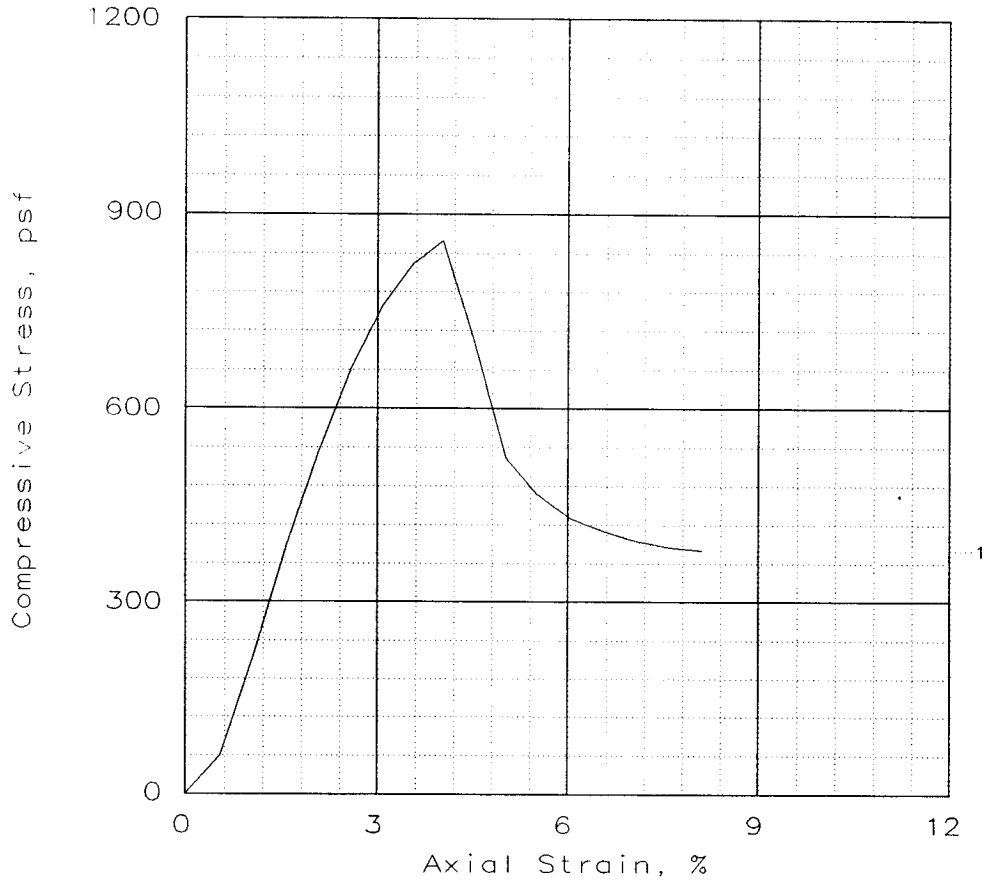
Location: Boring 12,
Sample 25-B, Depth 81.1', Elev. -84.4

UNCONFINED COMPRESSION TEST

Eustis Engineering Company, Inc.

Fig. No.: _____

UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1		
Unconfined strength, psf	860		
Undrained shear strength, psf	430		
Failure strain, %	4.0		
Strain rate, in/min	0.0578		
Water content, %	83.7		
Wet density, pcf	91.9		
Dry density, pcf	50.0		
Saturation, %	94.8		
Void ratio	2.4209		
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: 10/21/05

Remarks:

Torvane = 0.250 tsf

Client: U.S. Army Corps of Engineers

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

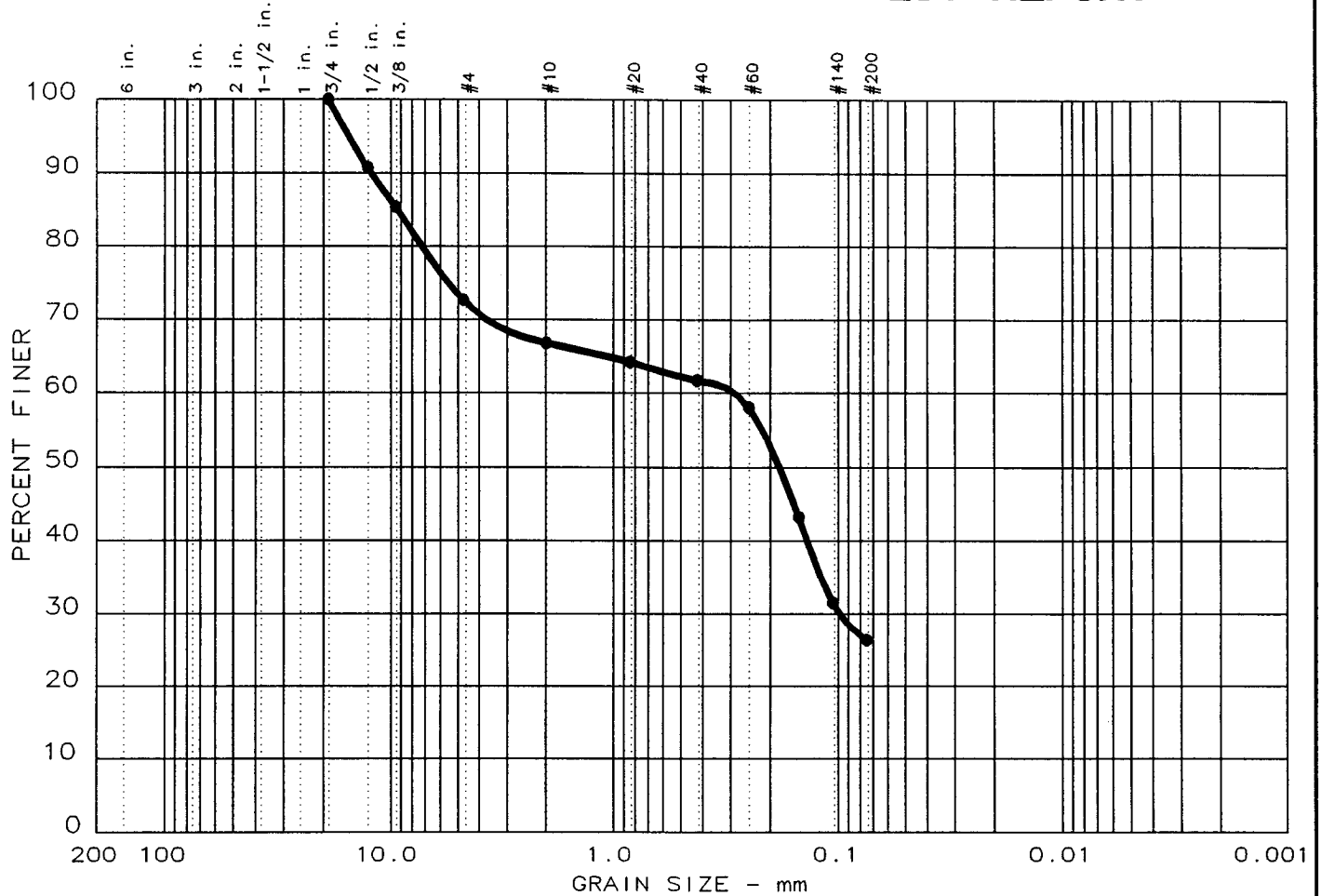
Location: Boring 12,
Sample 27-B, Depth 89.1', Elev. -92.4

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	27.3	46.4	26.3		SM1		

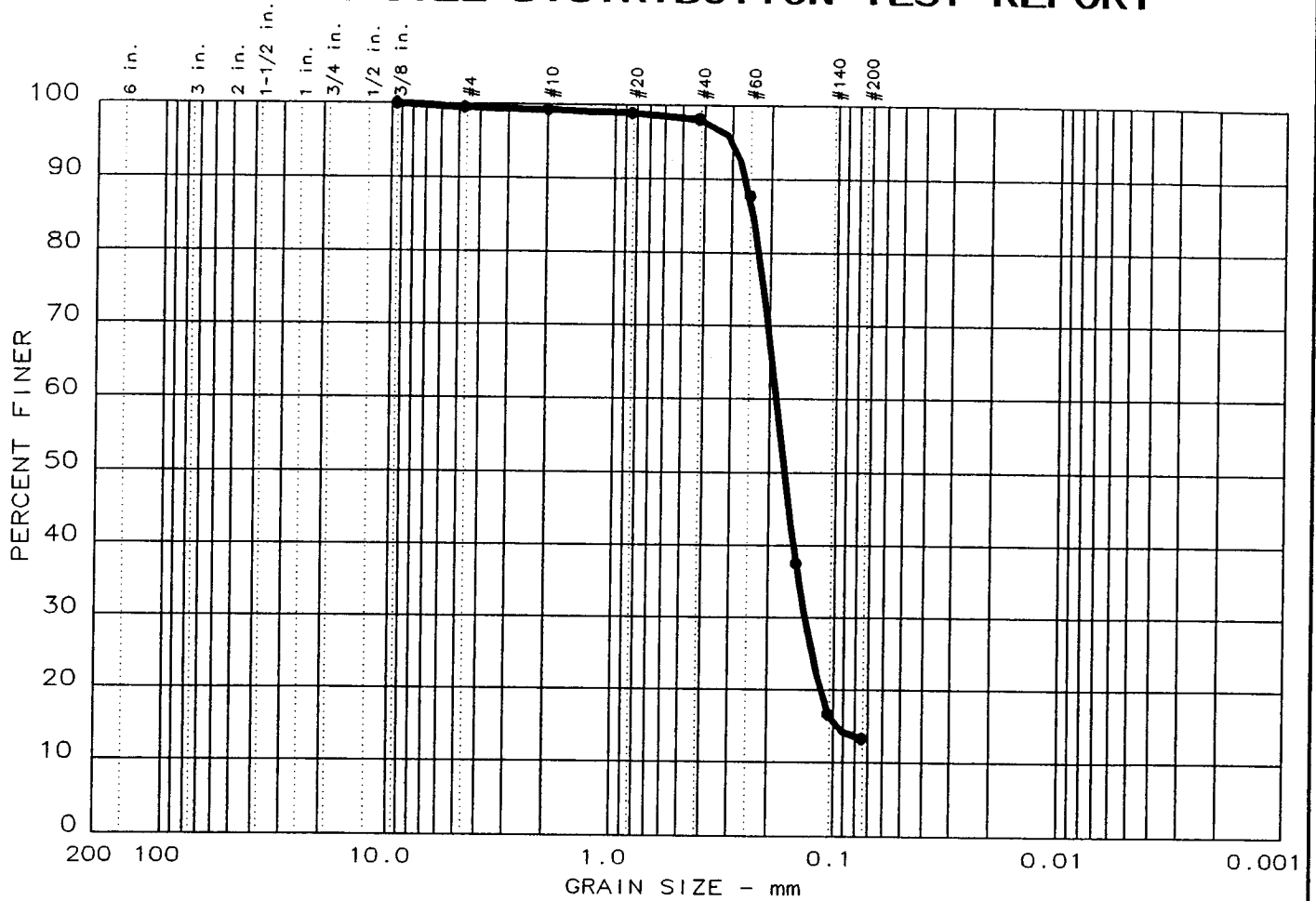
SIEVE inches size	PERCENT FINER		
	●		
0.75	100.0		
0.5	90.8		
0.375	85.4		
X	GRAIN SIZE		
D ₆₀	0.29		
D ₃₀	0.10		
D ₁₀			
X	COEFFICIENTS		
C _c			
C _u			

SIEVE number size	PERCENT FINER		
	●		
4	72.7		
10	66.8		
20	64.2		
40	61.7		
60	58.1		
100	43.3		
140	31.5		
200	26.4		

Sample information:
 ● Boring 12, Sample 1
 T SM1 W/ G, RT

Remarks:
 Sample depth 0.0'-0.5'

PARTICLE SIZE DISTRIBUTION TEST REPORT



Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
● 8	0.0	0.5	86.2	13.3		SM1		

SIEVE inches size	PERCENT FINER		
	●		
0.375	100.0		
X GRAIN SIZE			
D ₆₀	0.19		
D ₃₀	0.14		
D ₁₀			
X COEFFICIENTS			
C _c			
C _u			

SIEVE number size	PERCENT FINER		
	●		
4	99.5		
10	99.2		
20	98.9		
40	98.1		
60	87.7		
100	37.5		
140	16.7		
200	13.3		

Sample information:
 ● Boring 12, Sample 12
 GR SM1 W/ TR-SIF

Remarks:
 Sample depth 34.5'-37.0'