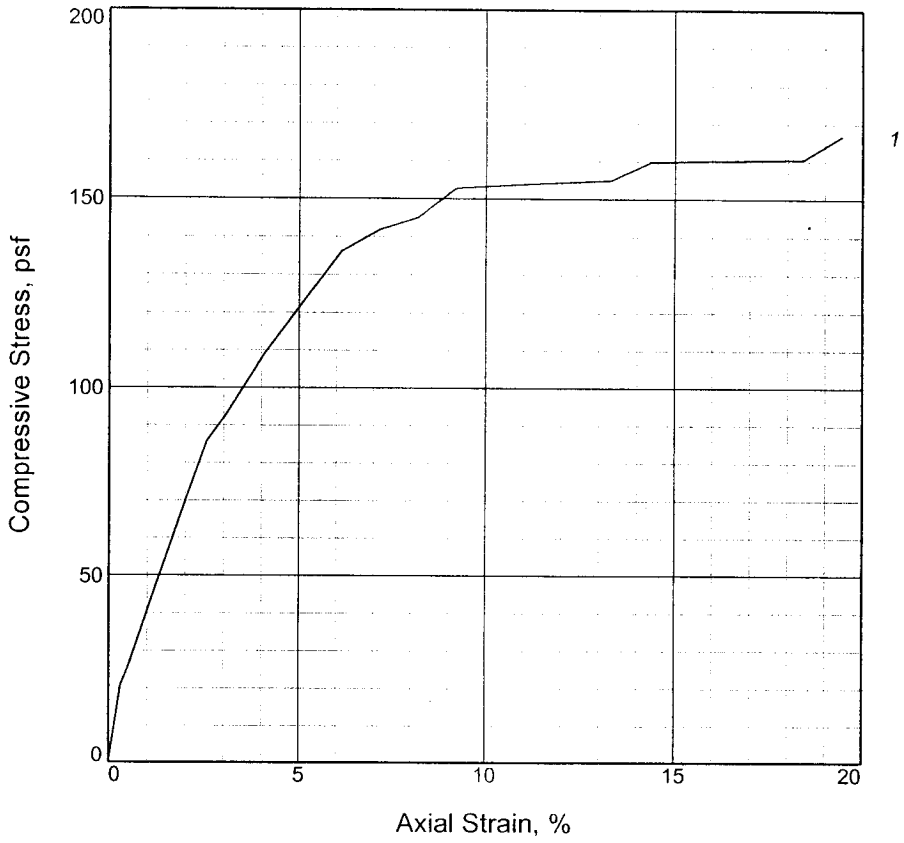
UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	166.8			
Undrained shear strength, psf	83.4			
Failure strain, %	19.5			
Strain rate, in./min.	0.059			
Water content, %	76.8			
Wet density, pcf	94.2			
Dry density, pcf	53.3			
Saturation, %	95.2			
Void ratio	2.2089			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: vSo Gr CH4 w/ Tr-wd

LL =	PL =	PI =	**Assumed GS=** 2.74	**Type:** Undisturbed

Project No.: 19080
Date: 11-10-05

Remarks:
Torvane = 0.030 tsf

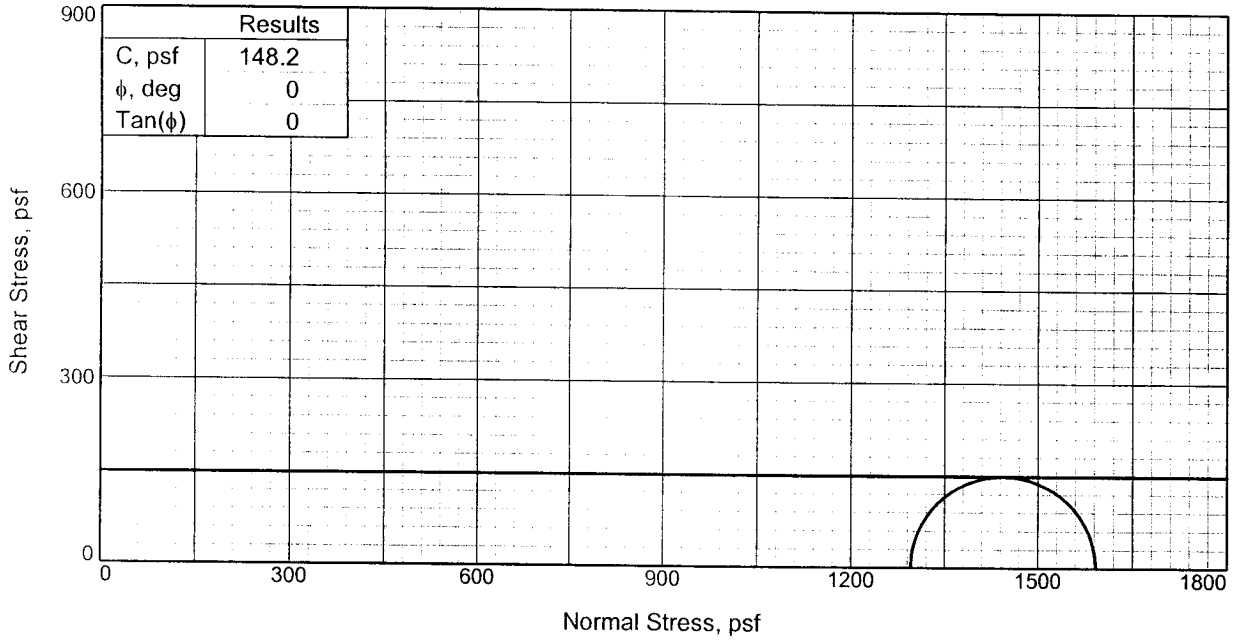
Figure 1

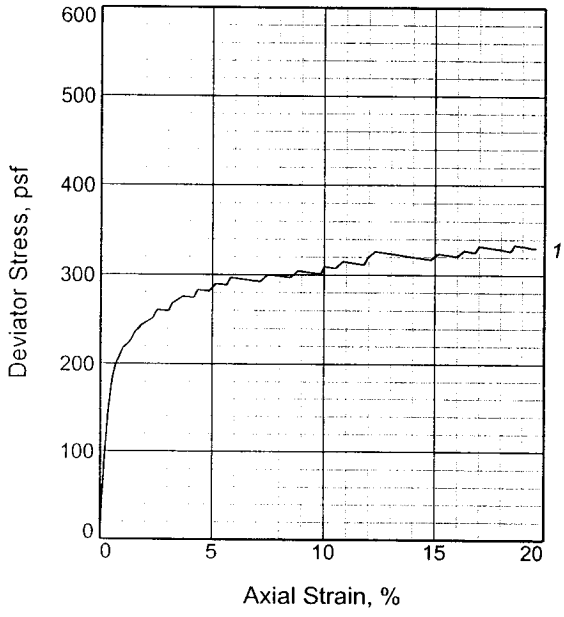
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 21.0
Sample Number: 1

UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH **Checked By:** JS





Specimen No.		1
Initial	Water Content,	92.6
	Dry Density, pcf	46.6
	Saturation,	95.0
	Void Ratio	2.6693
	Diameter, in.	1.388
	Height, in.	2.930
At Test	Water Content,	97.0
	Dry Density, pcf	46.8
	Saturation,	100.0
	Void Ratio	2.6585
	Diameter, in.	1.387
	Height, in.	2.927
Strain rate, in./min.		0.029
Back Pressure, psf		0.0
Cell Pressure, psf		1296.0
Fail. Stress, psf		296.4
Ult. Stress, psf		329.6
σ_1 Failure, psf		1592.4
σ_3 Failure, psf		1296.0

Type of Test:
Unconsolidated Undrained
Sample Type: Undisturbed
Description: vSo Gr CH4 w/ lns ML

LL= 87 **PL=** 25 **PI=** 62
Assumed Specific Gravity= 2.74
Remarks: Torvane = 0.050 tsf

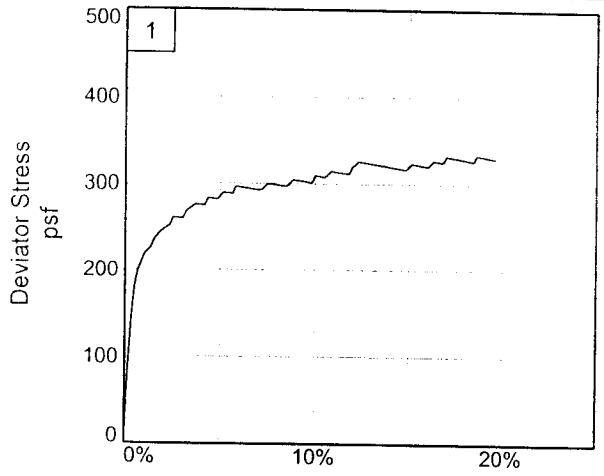
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 23.5
Sample Number: 2
Proj. No.: 19080 **Date:** 11-10-05

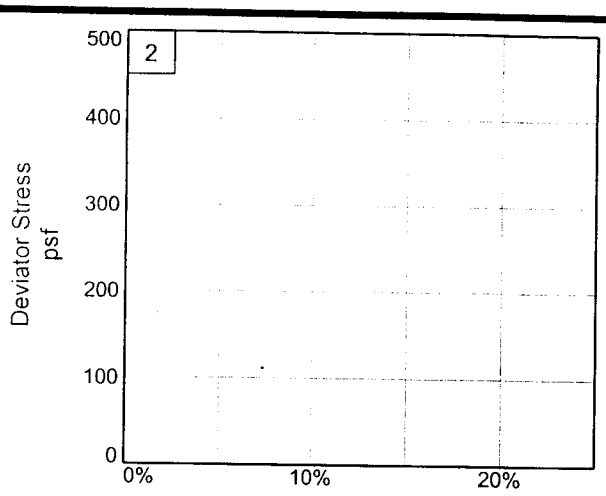
TRIAXIAL SHEAR TEST REPORT

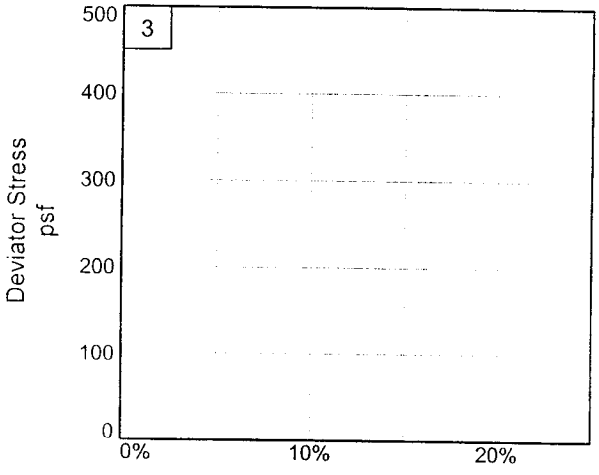
EUSTIS ENGINEERING COMPANY, INC.

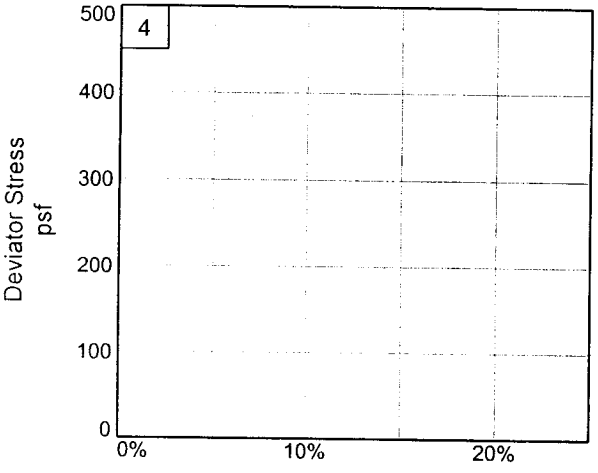
Figure 1

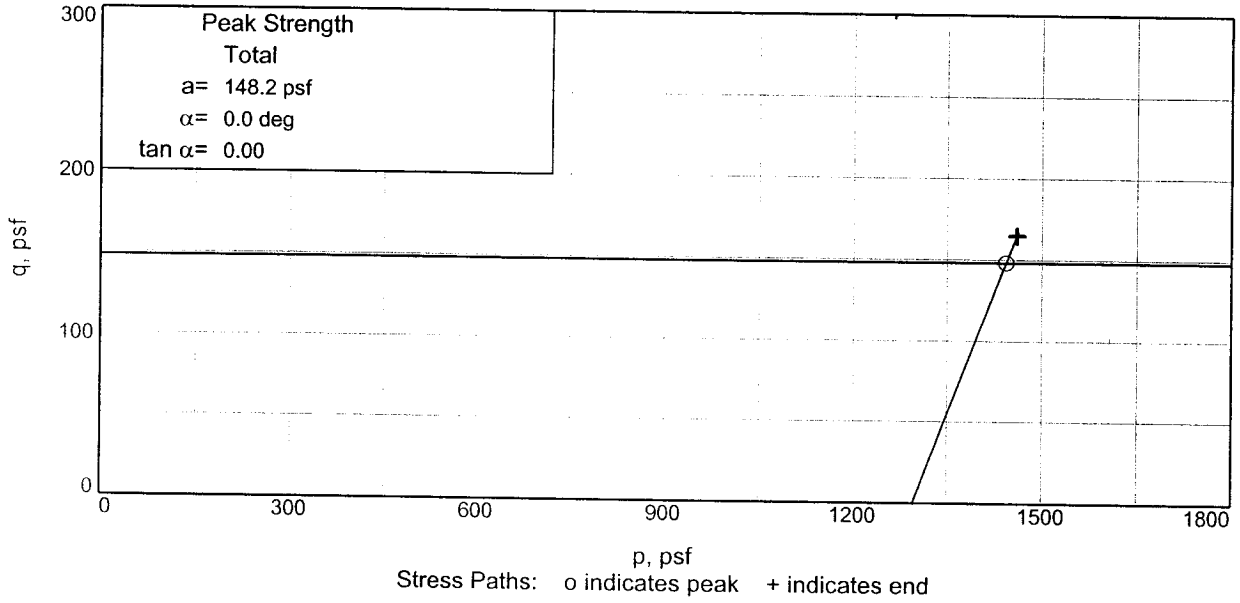
Tested By: ZH **Checked By:** JS











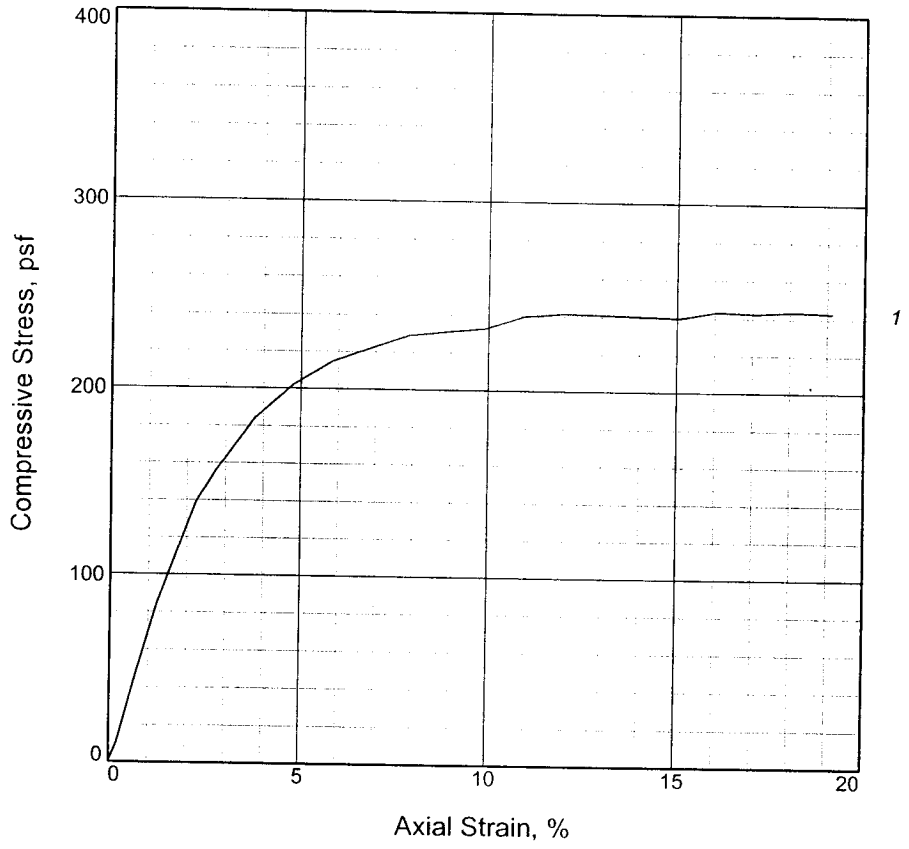
Stress Paths: o indicates peak + indicates end

Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 23.5 **Sample Number:** 2
Project No.: 19080 **Figure** _____

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH **Checked By:** JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	241.5			
Undrained shear strength, psf	120.8			
Failure strain, %	12.0			
Strain rate, in./min.	0.059			
Water content, %	92.0			
Wet density, pcf	89.2			
Dry density, pcf	46.4			
Saturation, %	94.0			
Void ratio	2.6829			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: vSo Gr CH4

LL =	PL =	PI =	**Assumed GS=** 2.74	**Type:** Undisturbed

Project No.: 19080
Date: 11-10-05

Remarks:
Torvane = 0.060 tsf

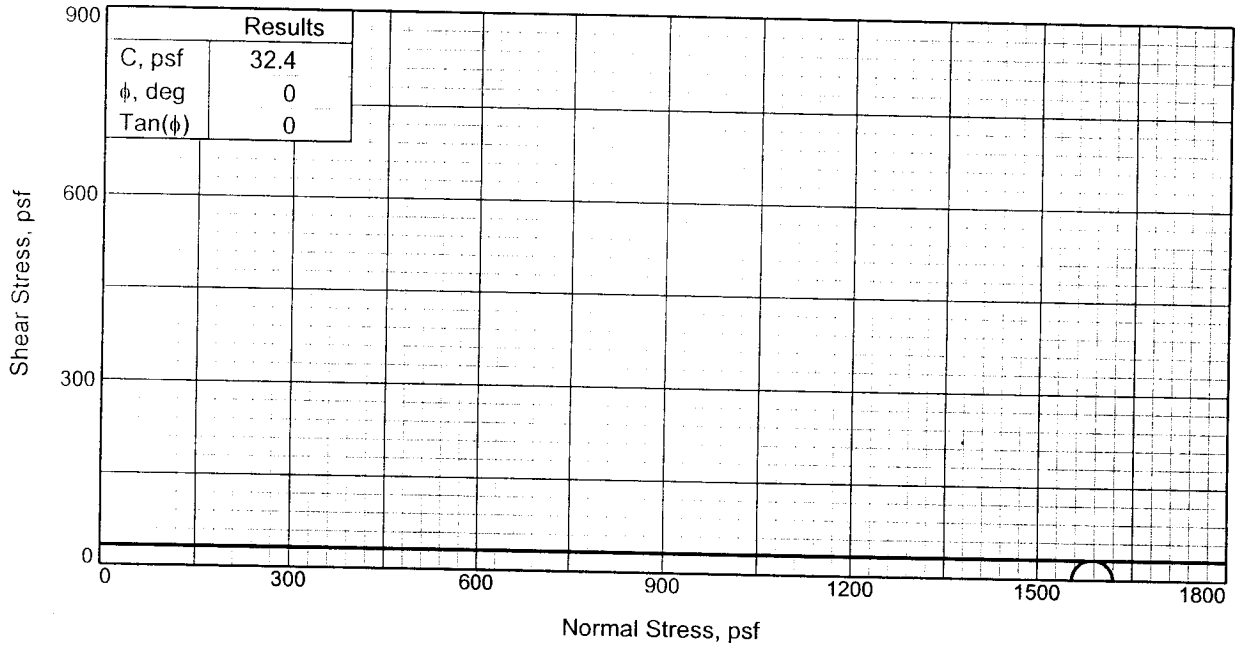
Figure 1

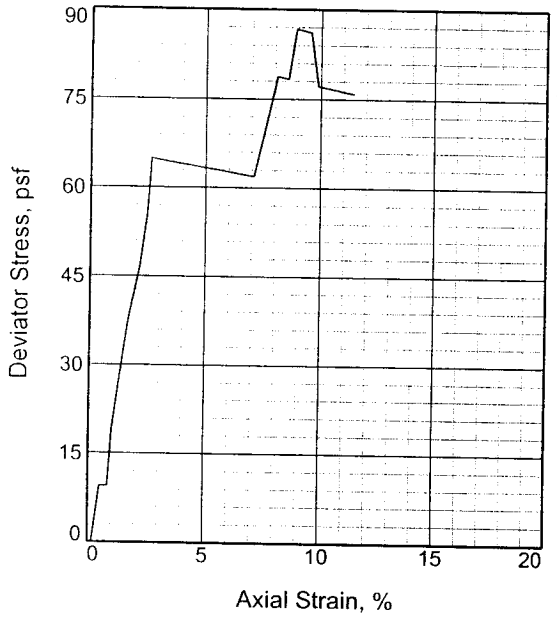
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 26.0
Sample Number: 3

UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH **Checked By:** JS





Specimen No.		1
Initial	Water Content,	67.8
	Dry Density, pcf	56.6
	Saturation,	91.8
	Void Ratio	2.0235
	Diameter, in.	1.388
	Height, in.	2.930
At Test	Water Content,	73.9
	Dry Density, pcf	56.6
	Saturation,	100.0
	Void Ratio	2.0235
	Diameter, in.	1.388
	Height, in.	2.930
Strain rate, in./min.		.030
Back Pressure, psf		0.0
Cell Pressure, psf		1555.2
Fail. Stress, psf		64.9
Ult. Stress, psf		75.8
σ_1 Failure, psf		1620.1
σ_3 Failure, psf		1555.2

Type of Test:
Unconsolidated Undrained
Sample Type: Undisturbed
Description: vSo Gr CH4 w/ lns ML

LL= 99 **PL=** 28 **PI=** 71
Assumed Specific Gravity= 2.74
Remarks: Torvane = 0.060 tsf

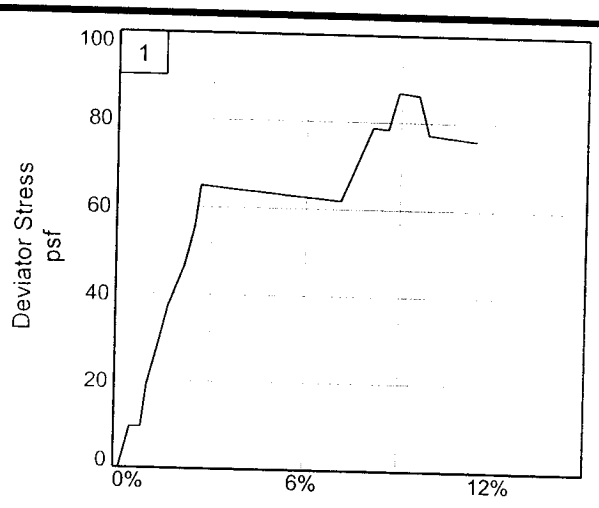
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 28.5
Sample Number: 4
Proj. No.: 19080 **Date:** 11-10-05

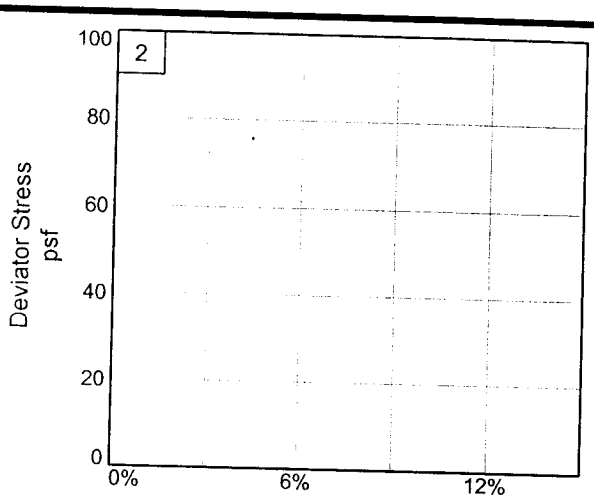
TRIAXIAL SHEAR TEST REPORT

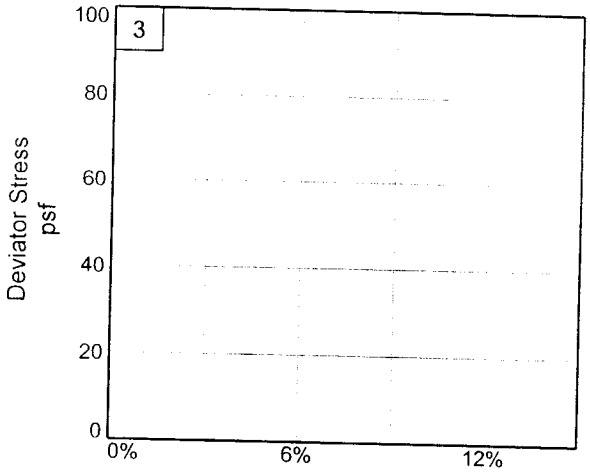
EUSTIS ENGINEERING COMPANY, INC.

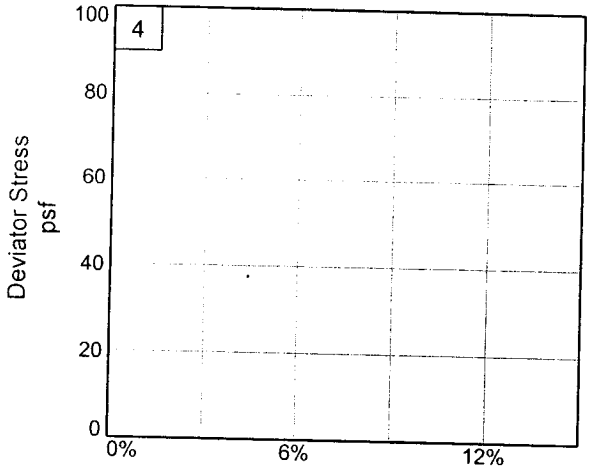
Figure 1

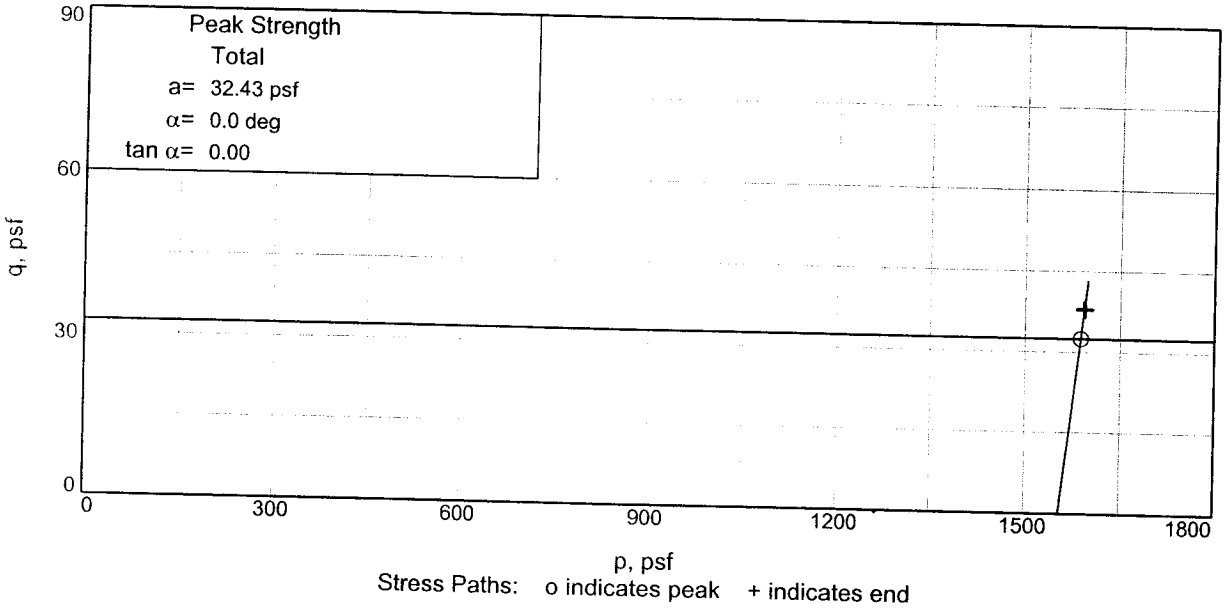
Tested By: ZH **Checked By:** JS











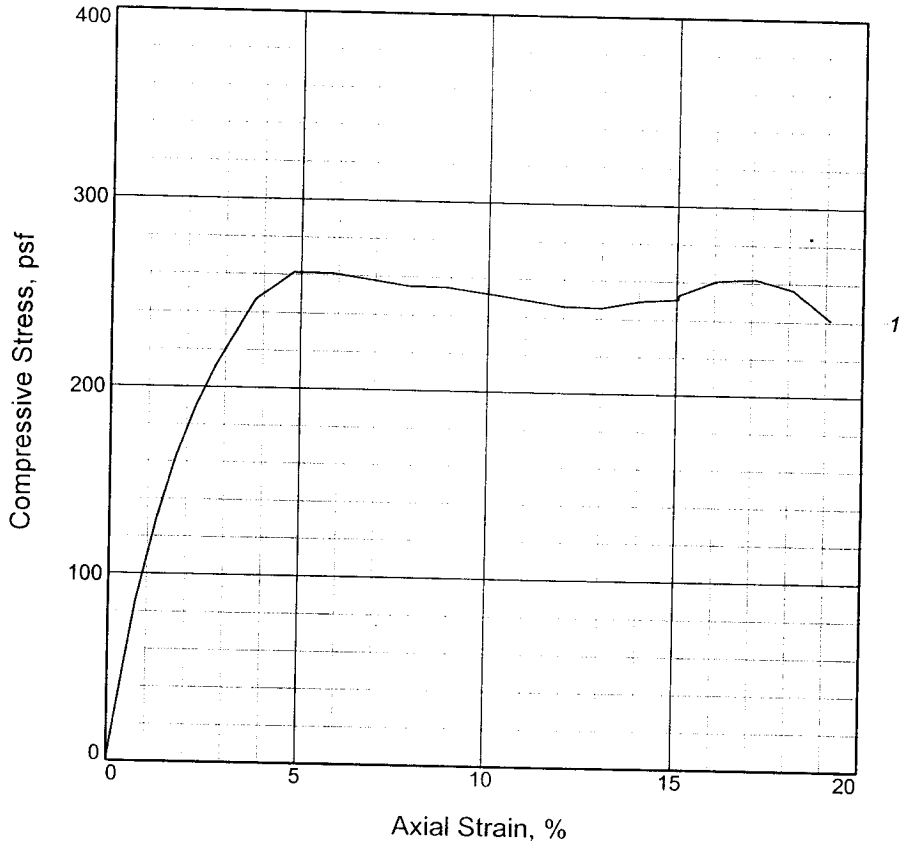
Stress Paths: o indicates peak + indicates end

Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 28.5 **Sample Number:** 4
Project No.: 19080 **Figure** _____

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH **Checked By:** JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	261.2			
Undrained shear strength, psf	130.6			
Failure strain, %	4.8			
Strain rate, in./min.	0.059			
Water content, %	94.7			
Wet density, pcf	89.2			
Dry density, pcf	45.8			
Saturation, %	95.0			
Void ratio	2.7322			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: vSo Gr CH4

LL =	PL =	PI =	**Assumed GS=** 2.74	**Type:** Undisturbed

Project No.: 19080
Date: 11-10-05

Remarks:
Torvane = 0.050 tsf

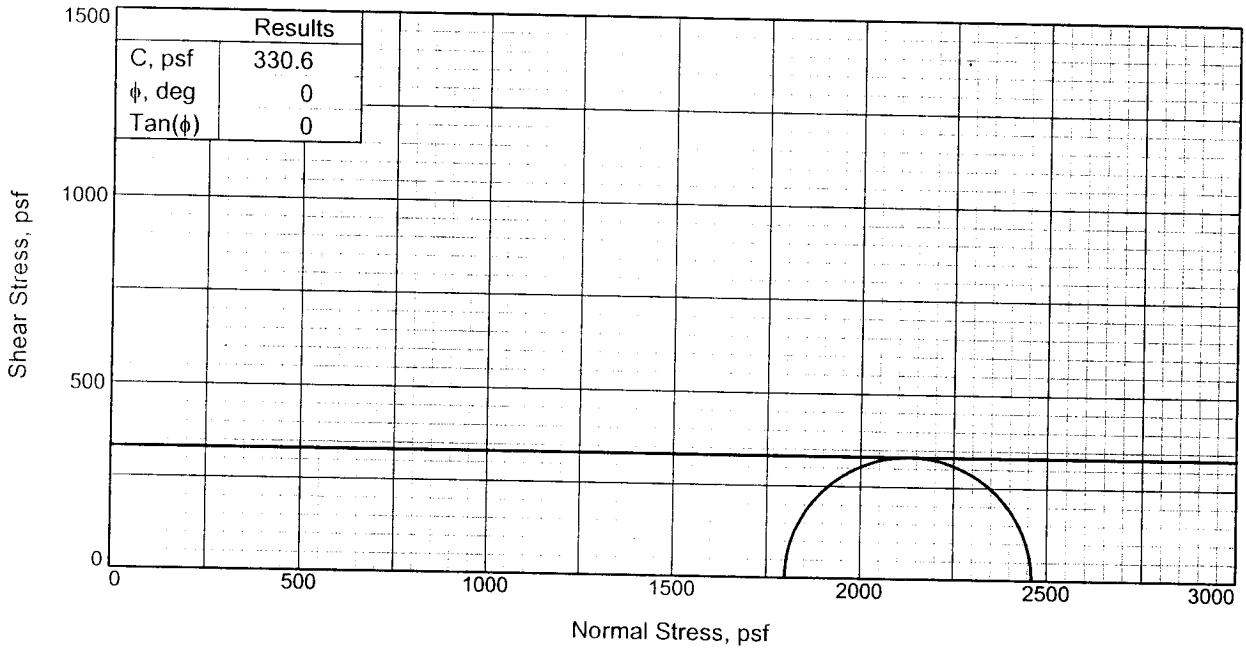
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 31.0
Sample Number: 5

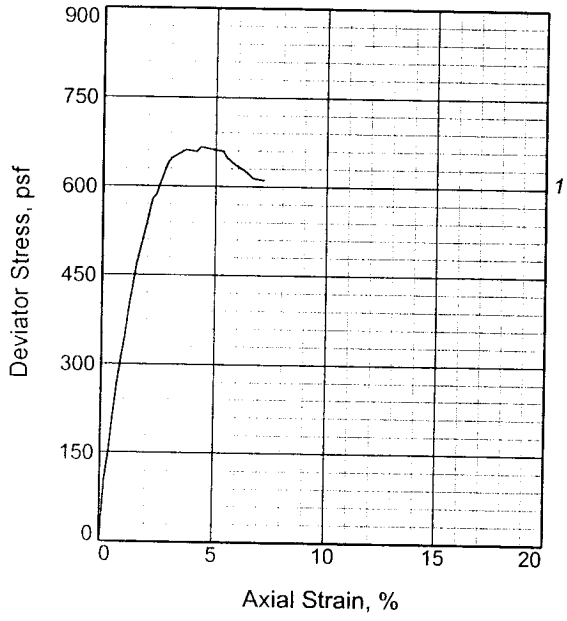
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: ZH **Checked By:** JS





Specimen No.		1
Initial	Water Content,	78.0
	Dry Density, pcf	52.2
	Saturation,	94.3
	Void Ratio	2.2508
	Diameter, in.	1.388
	Height, in.	2.930
At Test	Water Content,	82.4
	Dry Density, pcf	52.4
	Saturation,	100.0
	Void Ratio	2.2415
	Diameter, in.	1.387
	Height, in.	2.927
Strain rate, in./min.		0.029
Back Pressure, psf		0.0
Cell Pressure, psf		1800.0
Fail. Stress, psf		661.1
Ult. Stress, psf		610.7
σ_1 Failure, psf		2461.1
σ_3 Failure, psf		1800.0

Type of Test:
Unconsolidated Undrained
Sample Type: Undisturbed
Description: So Gr CH3 w/ ars & lns SM, SIF

LL= 85 **PL=** 22 **PI=** 63
Assumed Specific Gravity= 2.72
Remarks: Torvane = 0.160 tsf

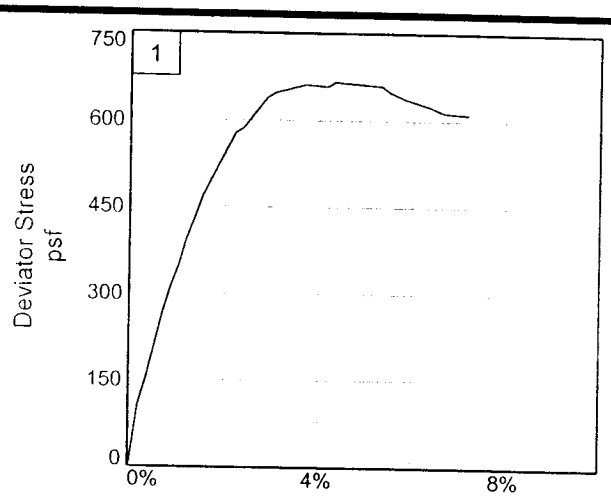
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 33.5
Sample Number: 6
Proj. No.: 19080 **Date:** 11-10-05

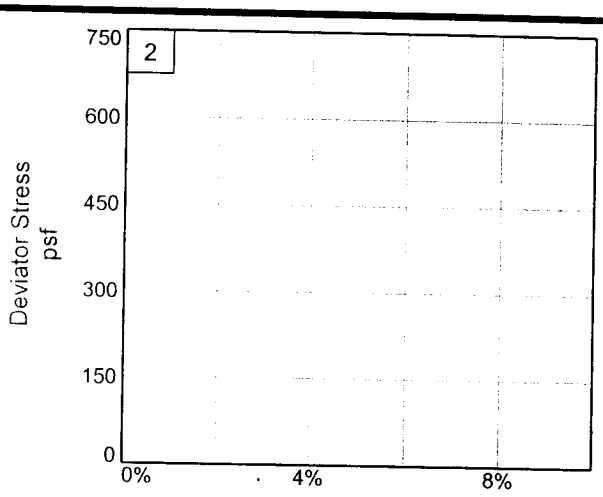
TRIAXIAL SHEAR TEST REPORT

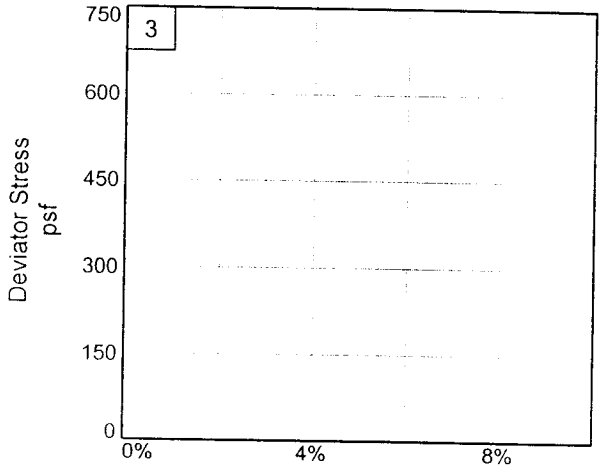
EUSTIS ENGINEERING COMPANY, INC.

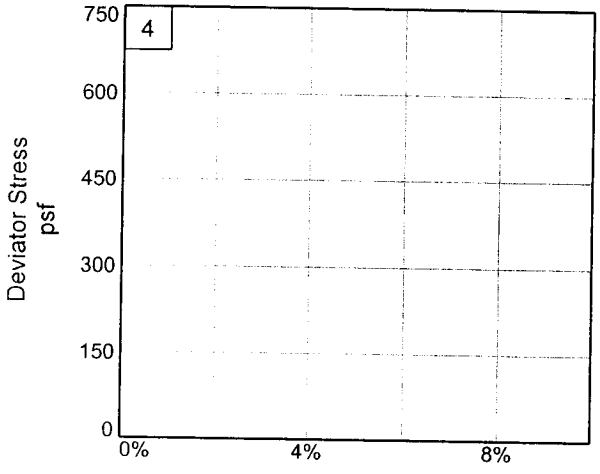
Figure 1

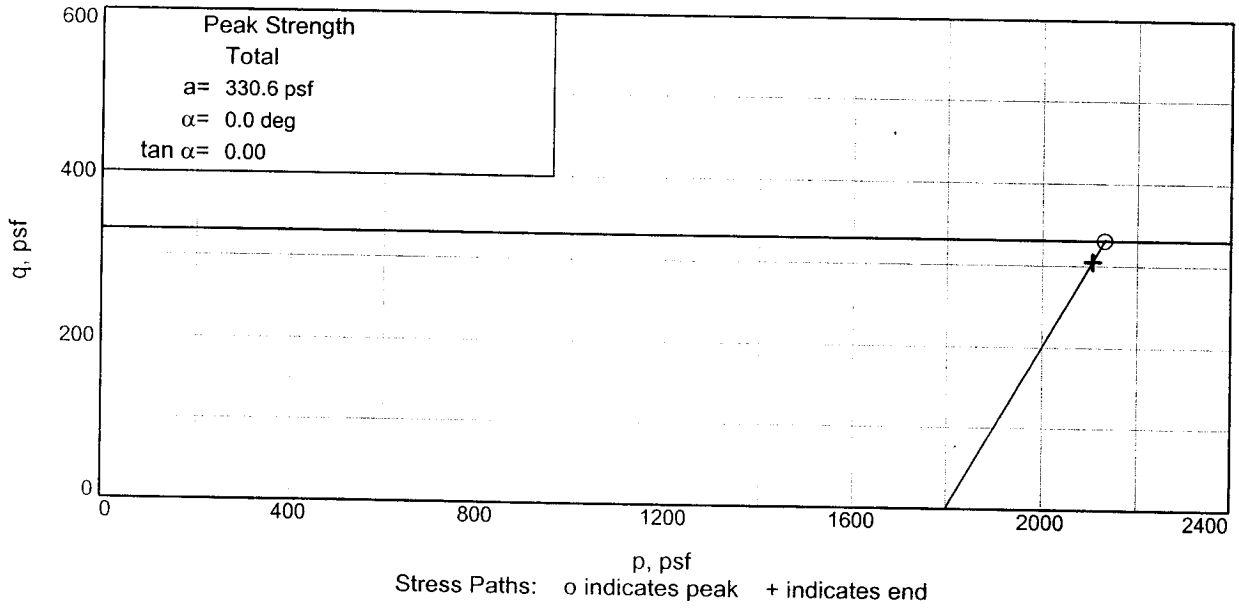
Tested By: ZH **Checked By:** JS











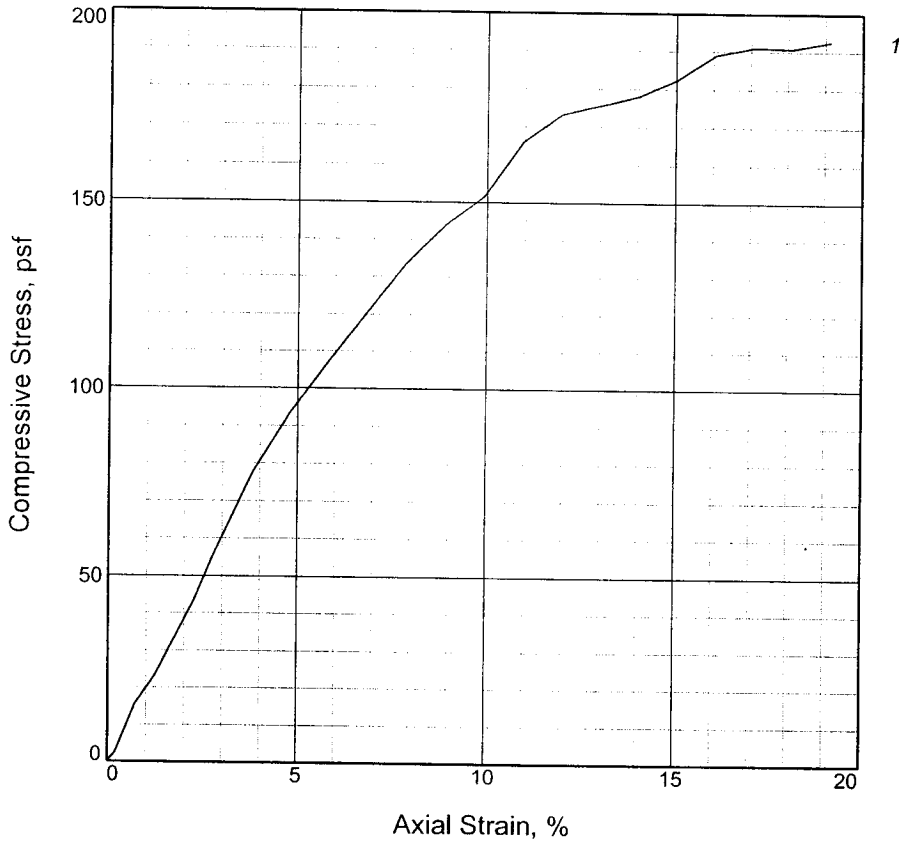
Stress Paths: o indicates peak + indicates end

Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 33.5 **Sample Number:** 6
Project No.: 19080 **Figure** _____

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH **Checked By:** JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	191.0			
Undrained shear strength, psf	95.5			
Failure strain, %	17.1			
Strain rate, in./min.	0.059			
Water content, %	41.7			
Wet density, pcf	106.7			
Dry density, pcf	75.3			
Saturation, %	90.8			
Void ratio	1.2385			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: vSo Gr CL5 w/ SIF

LL =	PL =	PI =	**Assumed GS=** 2.70	**Type:** Undisturbed

Project No.: 19080
Date: 11-10-05

Remarks:
Torvane = 0.100 tsf

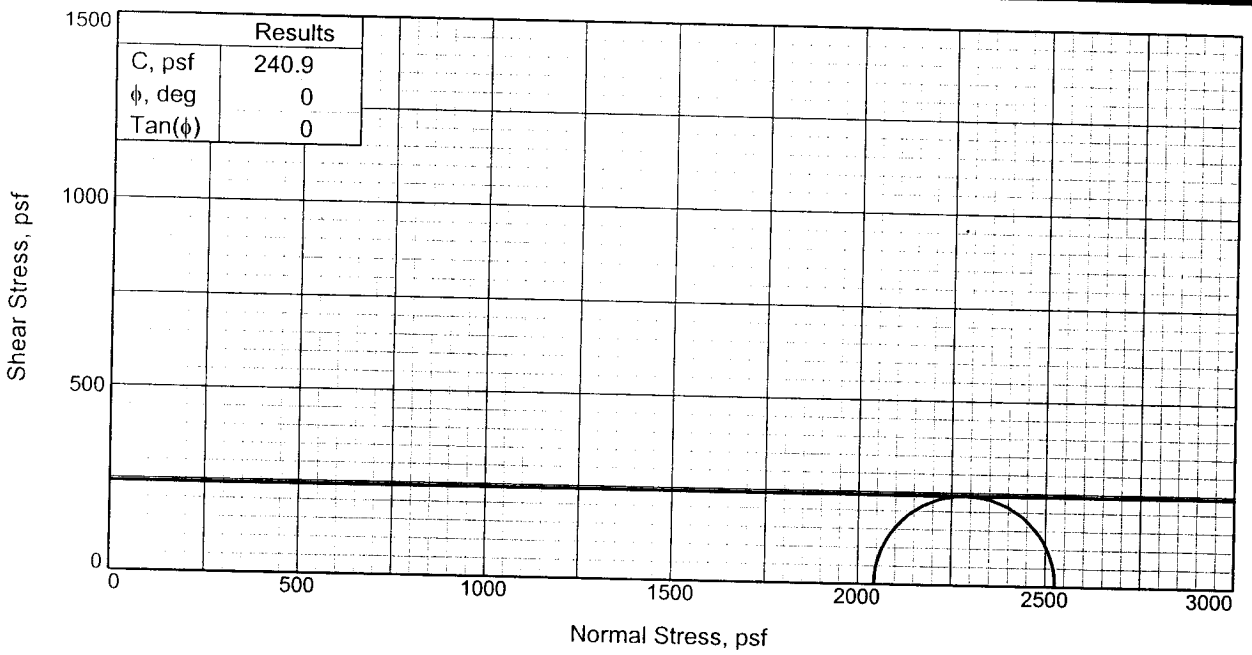
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 36.0
Sample Number: 7

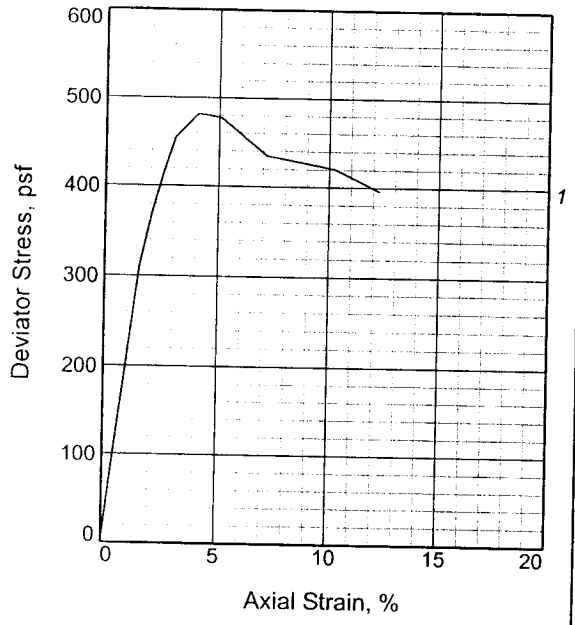
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: ZH **Checked By:** JS





Specimen No.		1
Initial	Water Content,	32.1
	Dry Density, pcf	85.4
	Saturation,	89.0
	Void Ratio	0.9743
	Diameter, in.	1.388
	Height, in.	2.930
At Test	Water Content,	36.0
	Dry Density, pcf	85.5
	Saturation,	100.0
	Void Ratio	0.9723
	Diameter, in.	1.388
	Height, in.	2.929
Strain rate, in./min.		0.006
Back Pressure, psf		0.0
Cell Pressure, psf		2044.8
Fail. Stress, psf		481.7
Ult. Stress, psf		395.8
σ_1 Failure, psf		2526.5
σ_3 Failure, psf		2044.8

Type of Test: Unconsolidated Undrained
Sample Type: Undisturbed
Description: vSo Gr CL3 w/ SIF

LL= 25 **PL=** 22 **PI=** 3
Assumed Specific Gravity= 2.70
Remarks: Torvane = 0.070 tsf

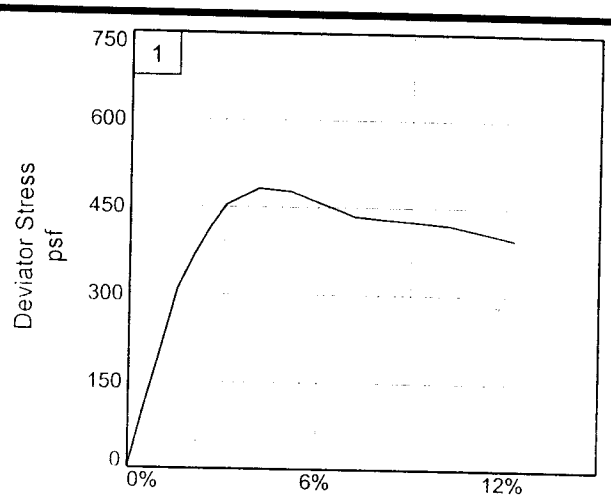
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 38.5
Sample Number: 8
Proj. No.: 19080 **Date:** 11-14-05

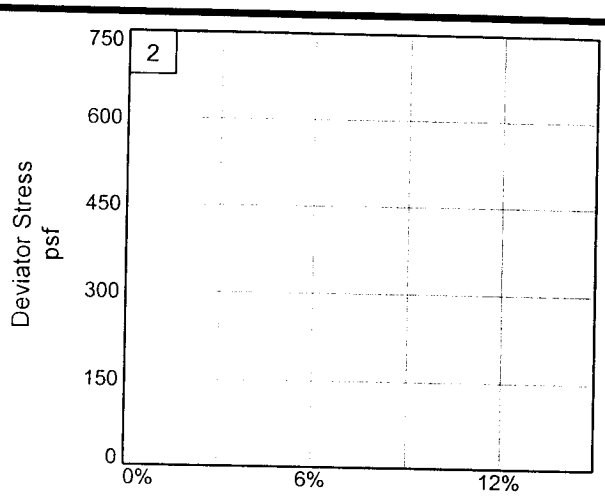
TRIAXIAL SHEAR TEST REPORT

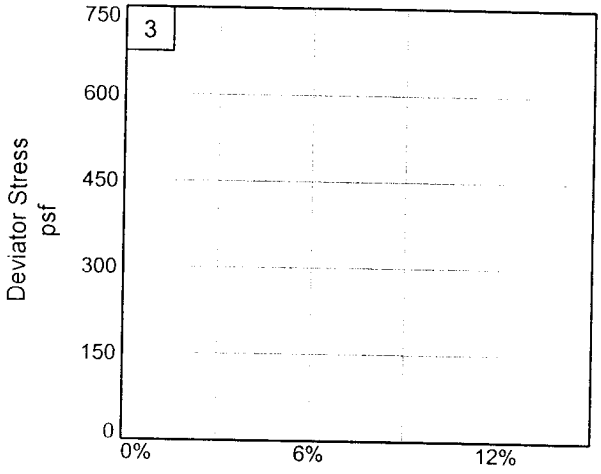
EUSTIS ENGINEERING COMPANY, INC.

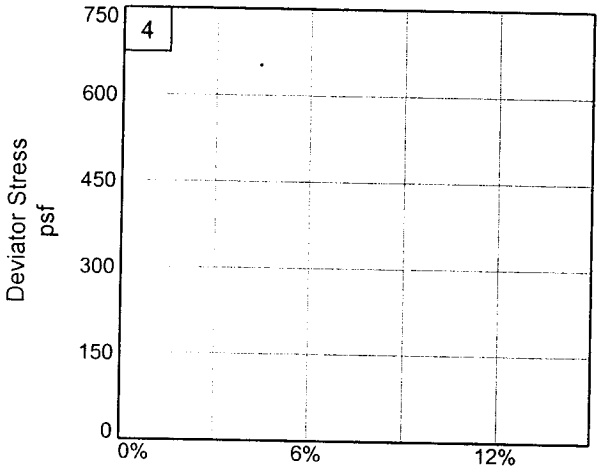
Figure 1

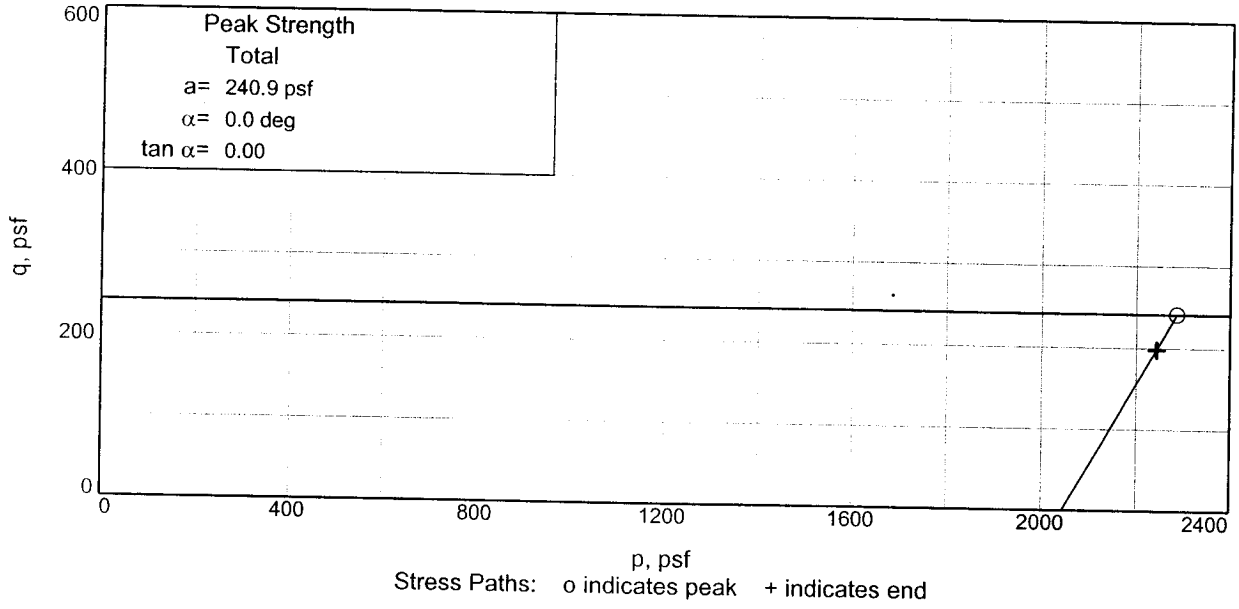
Tested By: LWR **Checked By:** JS











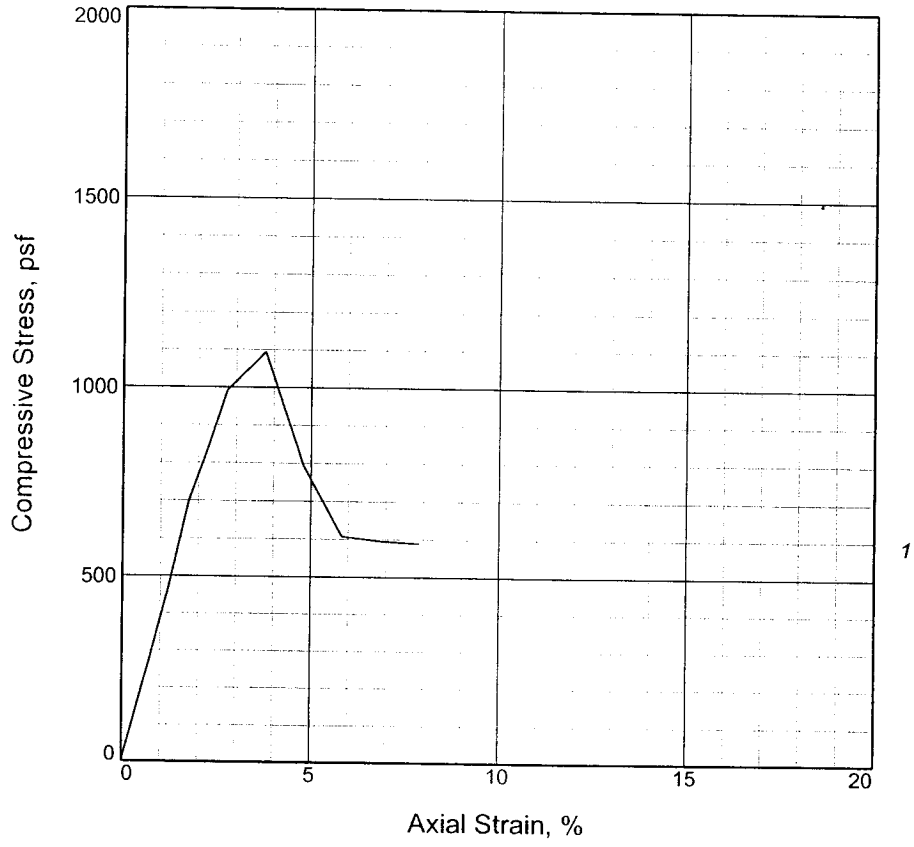
Stress Paths: o indicates peak + indicates end

Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 38.5 **Sample Number:** 8
Project No.: 19080 **Figure** _____

EUSTIS ENGINEERING COMPANY, INC.

Tested By: LWR **Checked By:** JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	1093.3			
Undrained shear strength, psf	546.7			
Failure strain, %	3.8			
Strain rate, in./min.	0.059			
Water content, %	79.2			
Wet density, pcf	92.8			
Dry density, pcf	51.7			
Saturation, %	94.2			
Void ratio	2.3056			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: M Gr CH4 w/ lns SM

LL =	PL =	PI =	**Assumed GS=** 2.74	**Type:** Undisturbed

Project No.: 19080
Date: 11-10-05

Remarks:
Torvane = 0.230 tsf

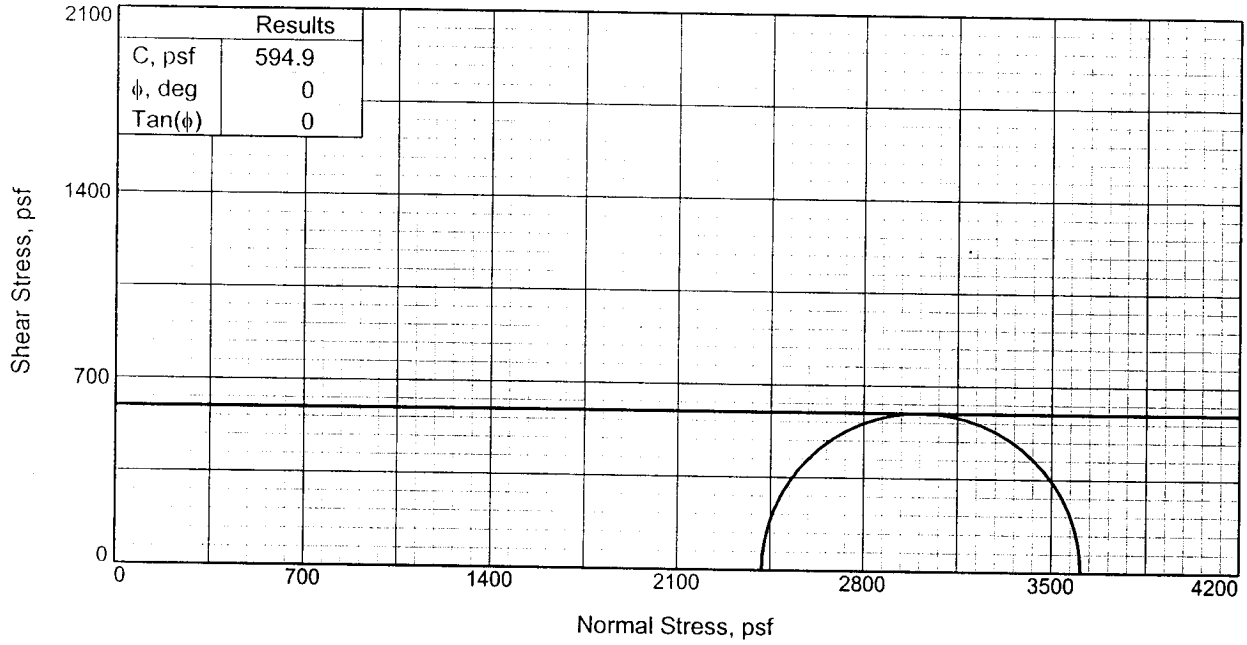
Figure 1

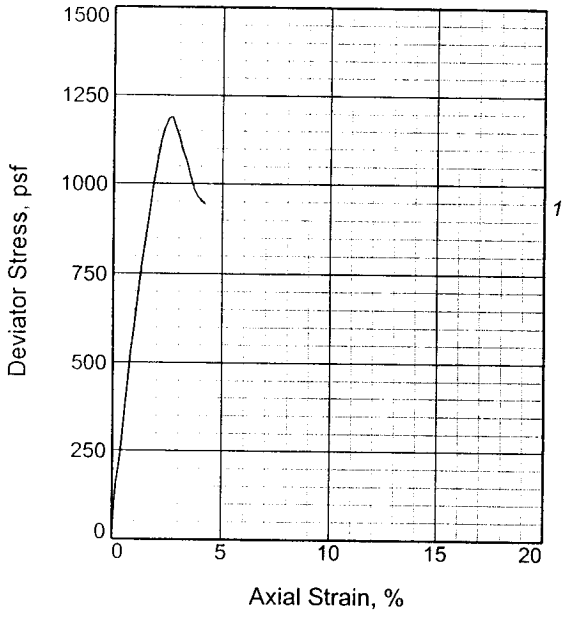
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 43.5
Sample Number: 10

UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH **Checked By:** JS





Specimen No.		1
Initial	Water Content,	71.9
	Dry Density, pcf	55.5
	Saturation,	94.9
	Void Ratio	2.0620
	Diameter, in.	1.388
	Height, in.	2.930
At Test	Water Content,	75.2
	Dry Density, pcf	55.8
	Saturation,	100.0
	Void Ratio	2.0454
	Diameter, in.	1.385
	Height, in.	2.925
Strain rate, in./min.		0.030
Back Pressure, psf		0.0
Cell Pressure, psf		2419.2
Fail. Stress, psf		1189.8
Ult. Stress, psf		942.4
σ_1 Failure, psf		3609.0
σ_3 Failure, psf		2419.2

Type of Test:
Unconsolidated Undrained
Sample Type: Undisturbed
Description: M Gr CH4 w/ ars SM

LL= 86 **PL=** 23 **PI=** 63
Assumed Specific Gravity= 2.72
Remarks: Torvane = 0.270 tsf

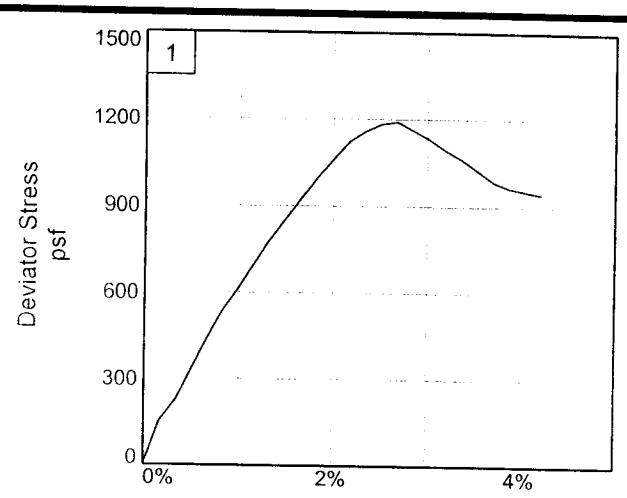
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 46.0
Sample Number: 11
Proj. No.: 19080 **Date:** 11-10-05

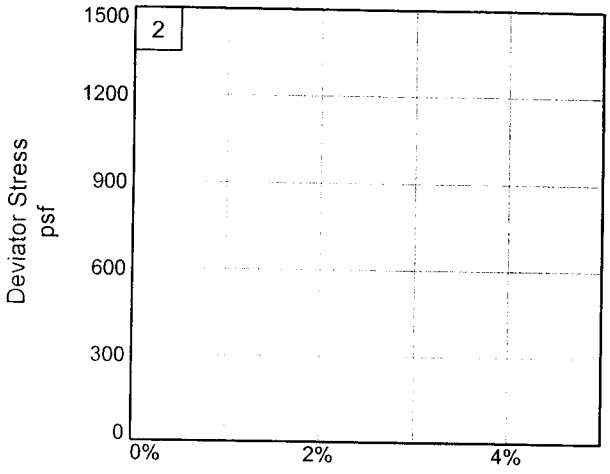
TRIAXIAL SHEAR TEST REPORT

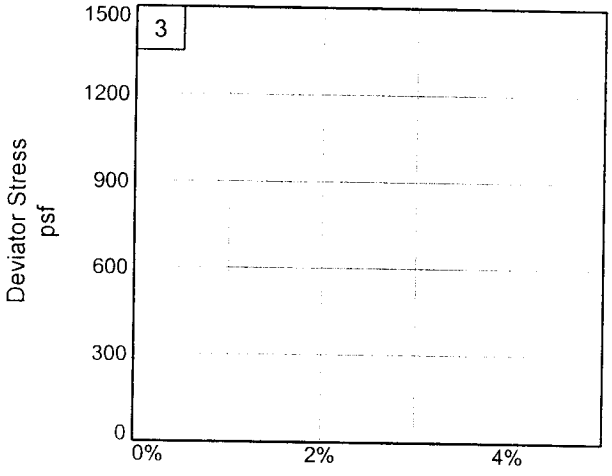
EUSTIS ENGINEERING COMPANY, INC.

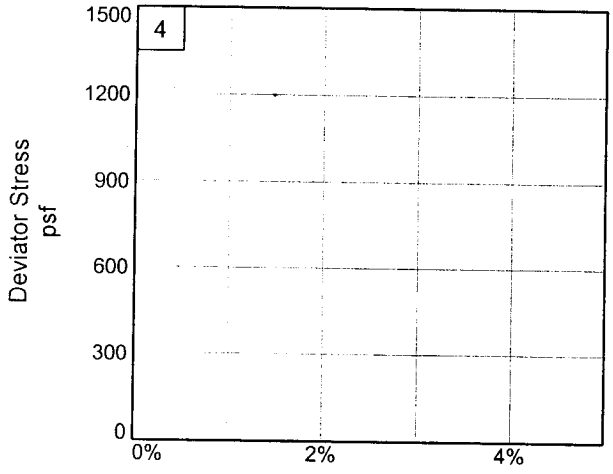
Figure 1

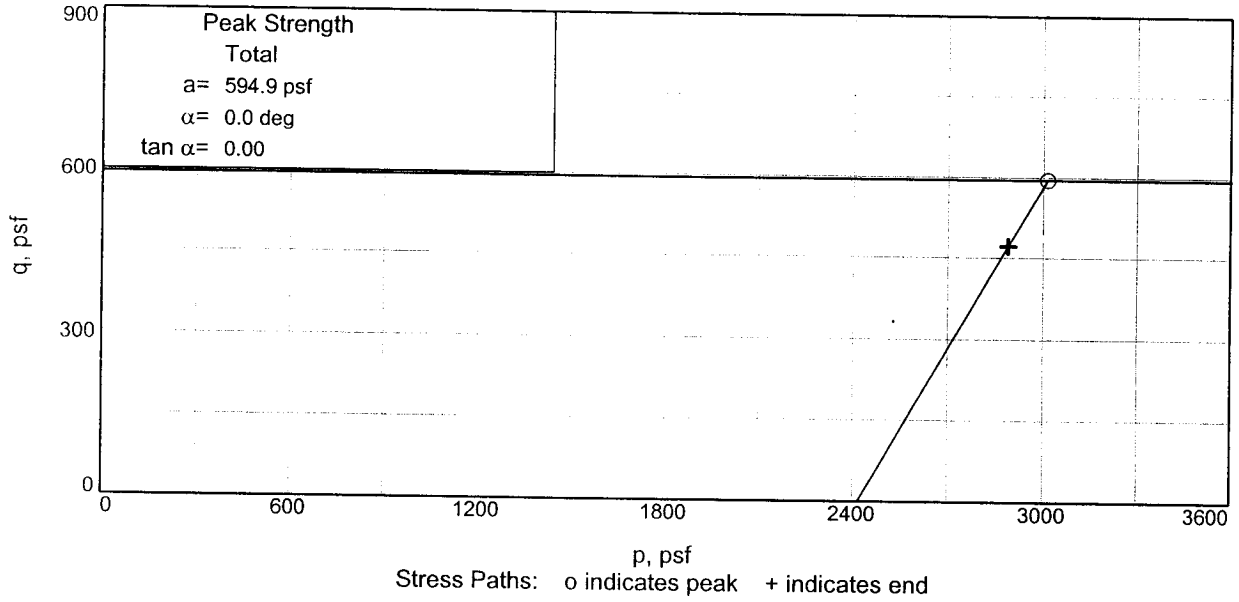
Tested By: ZH **Checked By:** JS











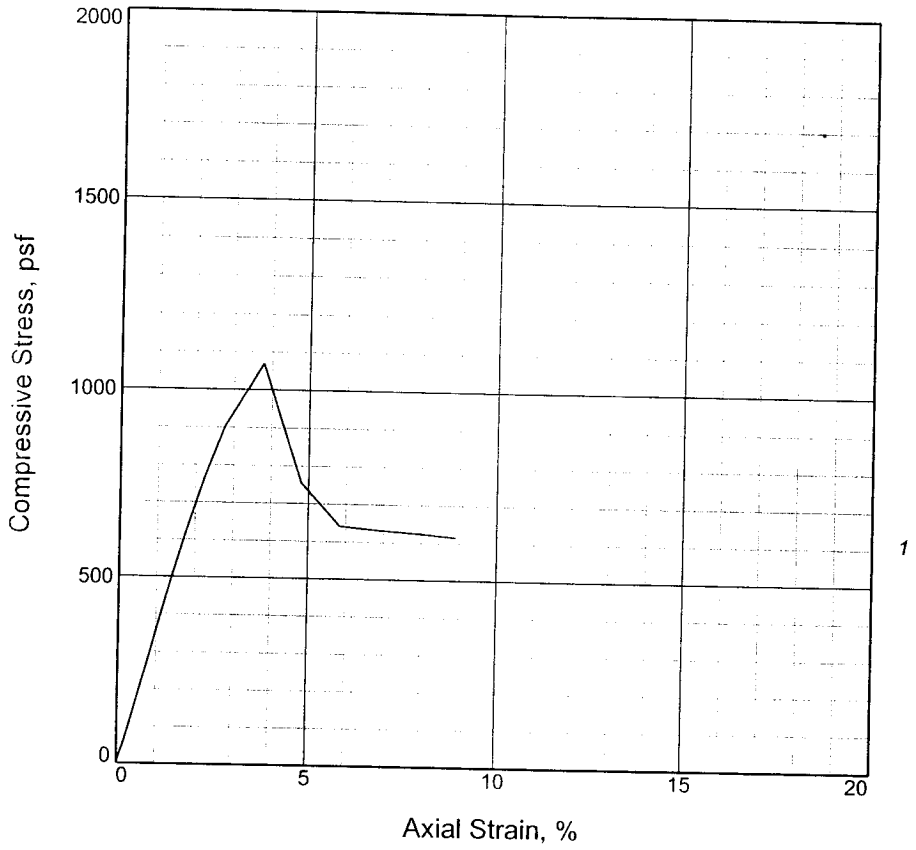
Stress Paths: o indicates peak + indicates end

Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 46.0 **Sample Number:** 11
Project No.: 19080 **Figure** _____

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH **Checked By:** JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	1068.4			
Undrained shear strength, psf	534.2			
Failure strain, %	3.8			
Strain rate, in./min.	0.059			
Water content, %	61.7			
Wet density, pcf	97.2			
Dry density, pcf	60.1			
Saturation, %	91.9			
Void ratio	1.8251			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: M Gr CH4 w/ ars SM, SIF

LL =	PL =	PI =	Assumed GS= 2.72	Type: Undisturbed

Project No.: 19080
Date: 11-10-05

Remarks:
Torvane = 0.250 tsf

Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 48.5
Sample Number: 12

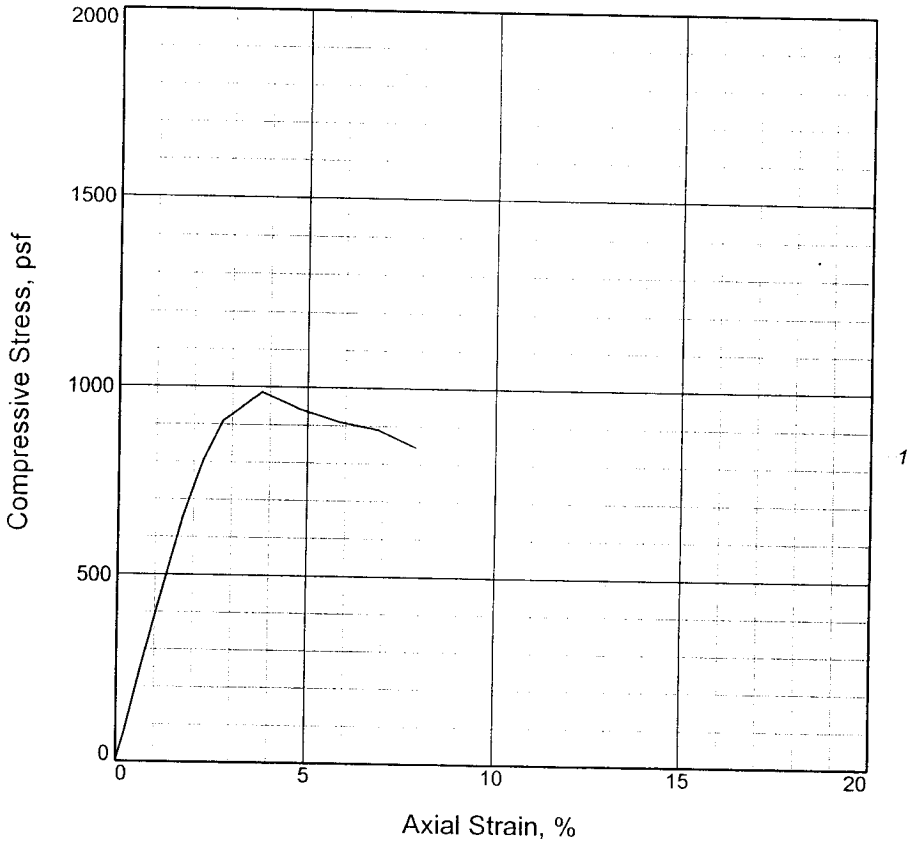
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: ZH **Checked By:** JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	986.2			
Undrained shear strength, psf	493.1			
Failure strain, %	3.8			
Strain rate, in./min.	0.059			
Water content, %	59.5			
Wet density, pcf	99.9			
Dry density, pcf	62.7			
Saturation, %	94.2			
Void ratio	1.7300			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: So Gr CH4 w/ SIF

LL =	PL =	PI =	**Assumed GS=** 2.74	**Type:** Undisturbed

Project No.: 19080
Date: 11-10-05
Remarks:
Torvane = 0.250 tsf

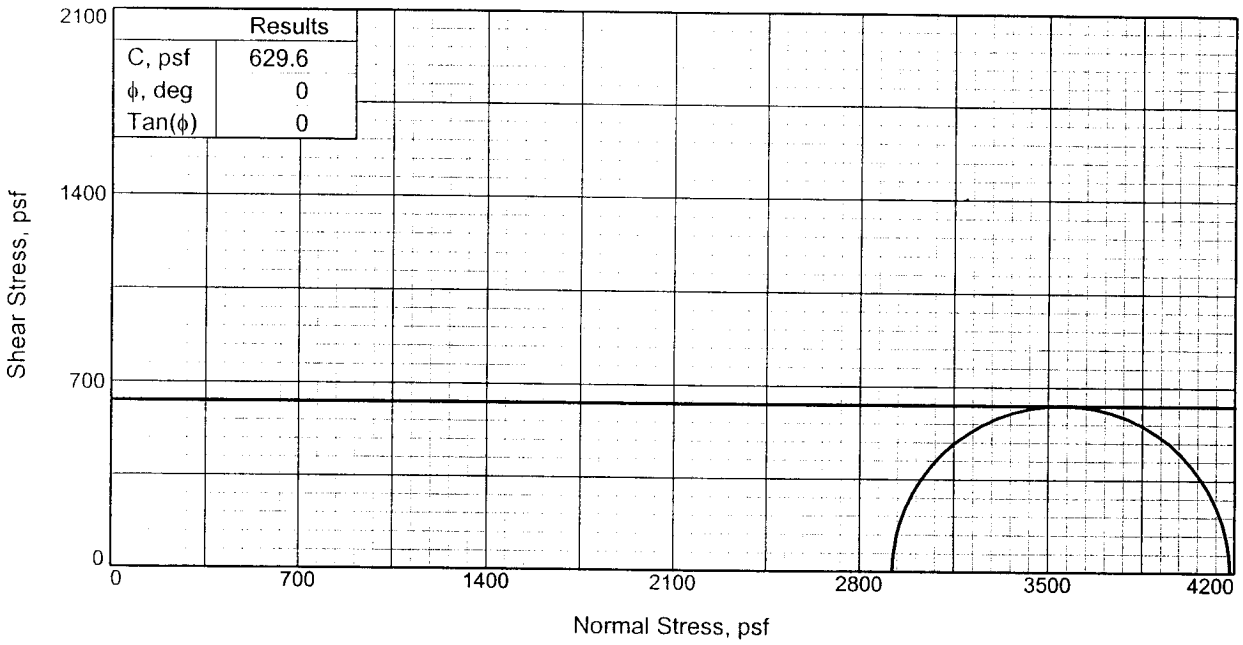
Figure 1

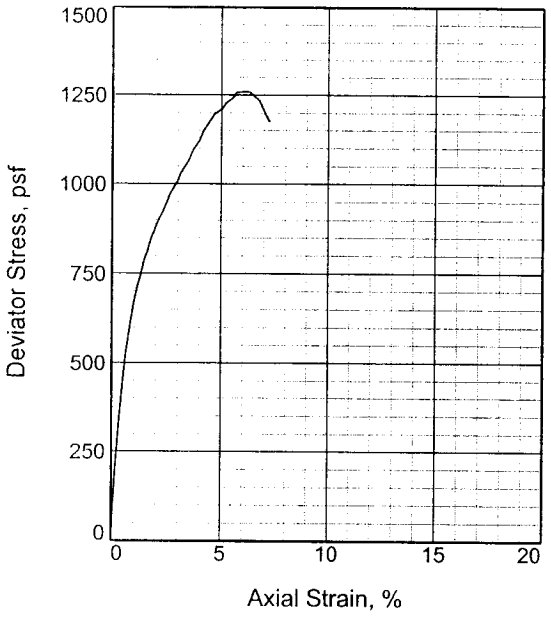
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 53.5
Sample Number: 14

UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH **Checked By:** JS





Specimen No.		1
Initial	Water Content,	56.4
	Dry Density, pcf	65.6
	Saturation,	96.2
	Void Ratio	1.6063
	Diameter, in.	1.388
	Height, in.	2.930
At Test	Water Content,	58.6
	Dry Density, pcf	65.6
	Saturation,	100.0
	Void Ratio	1.6063
	Diameter, in.	1.388
	Height, in.	2.930
Strain rate, in./min.		0.029
Back Pressure, psf		0.0
Cell Pressure, psf		2923.2
Fail. Stress, psf		1259.1
Ult. Stress, psf		1173.9
σ_1 Failure, psf		4182.3
σ_3 Failure, psf		2923.2

Type of Test:
Unconsolidated Undrained
Sample Type: Undisturbed
Description: M Gr CH4 w/ SL

LL= 77 **PL=** 17 **PI=** 60
Assumed Specific Gravity= 2.74
Remarks: Torvane = 0.300 tsf

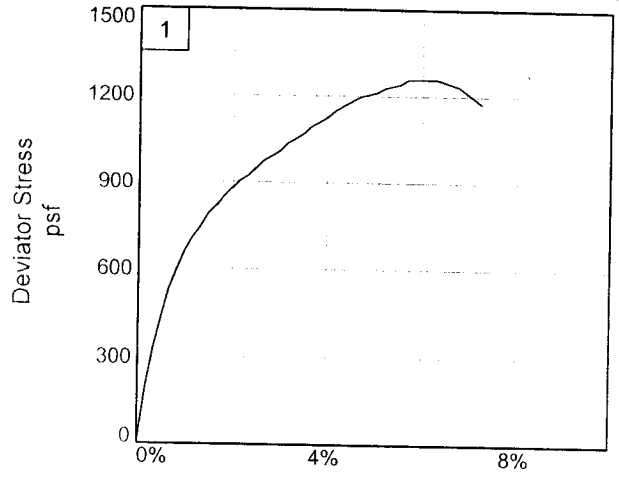
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 56.0
Sample Number: 15
Proj. No.: 19080 **Date:** 11-10-05

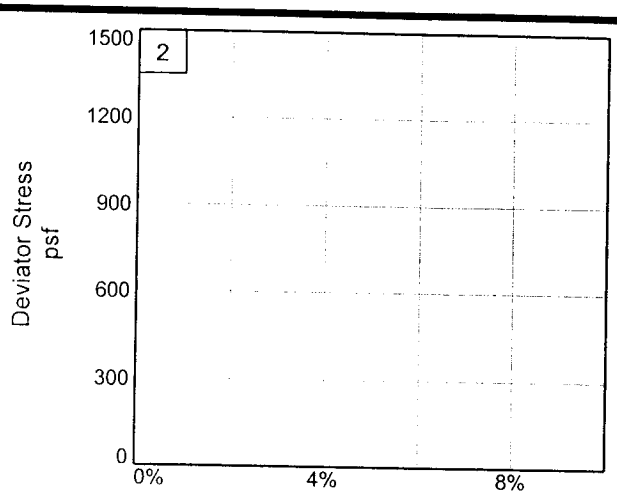
TRIAXIAL SHEAR TEST REPORT

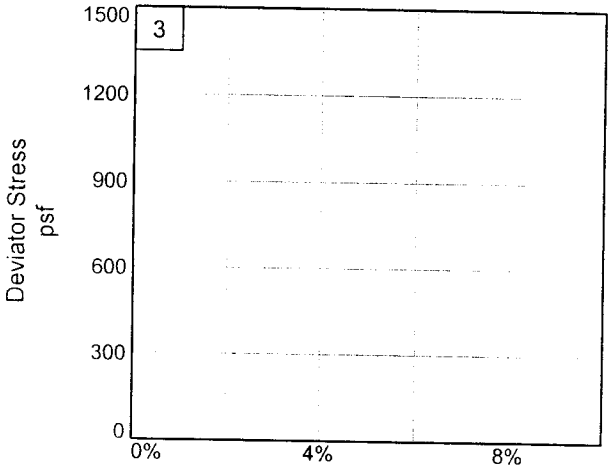
EUSTIS ENGINEERING COMPANY, INC.

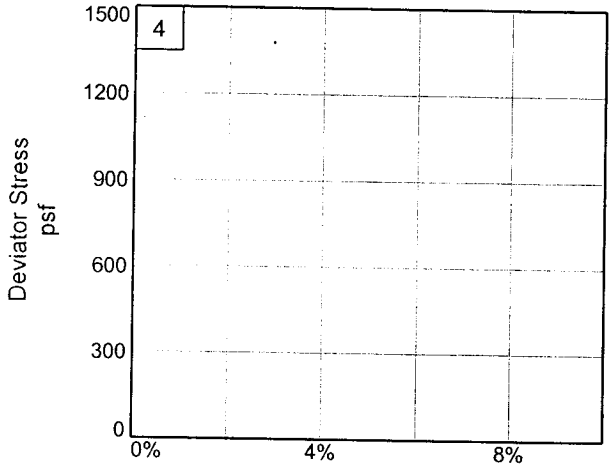
Figure 1

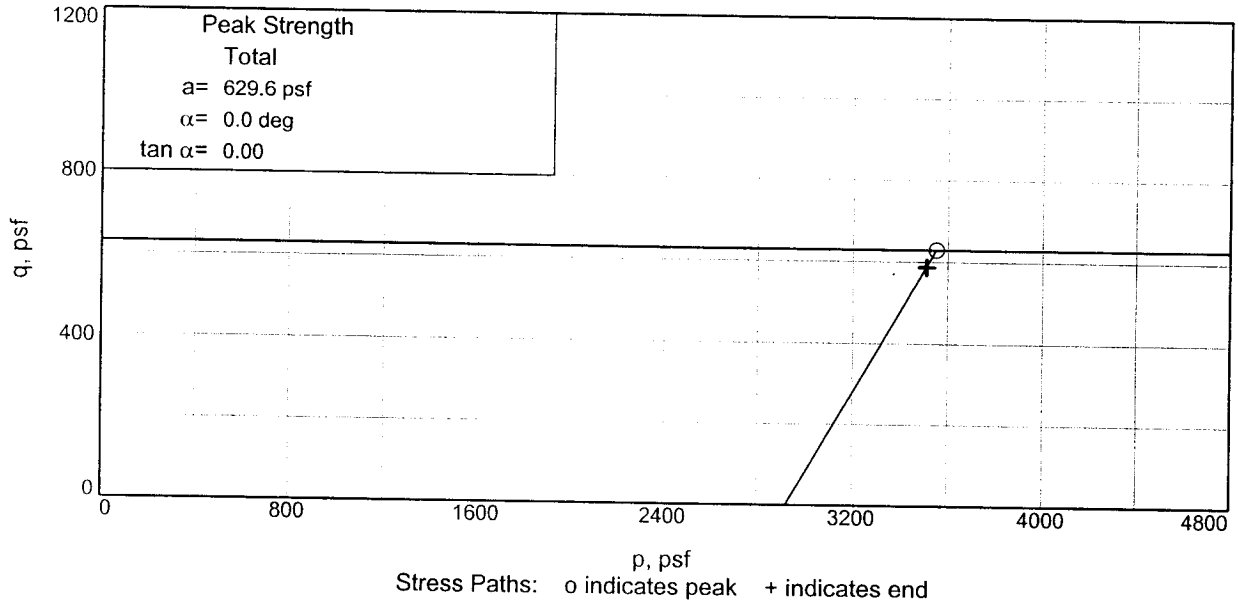
Tested By: ZH & RR **Checked By:** JS











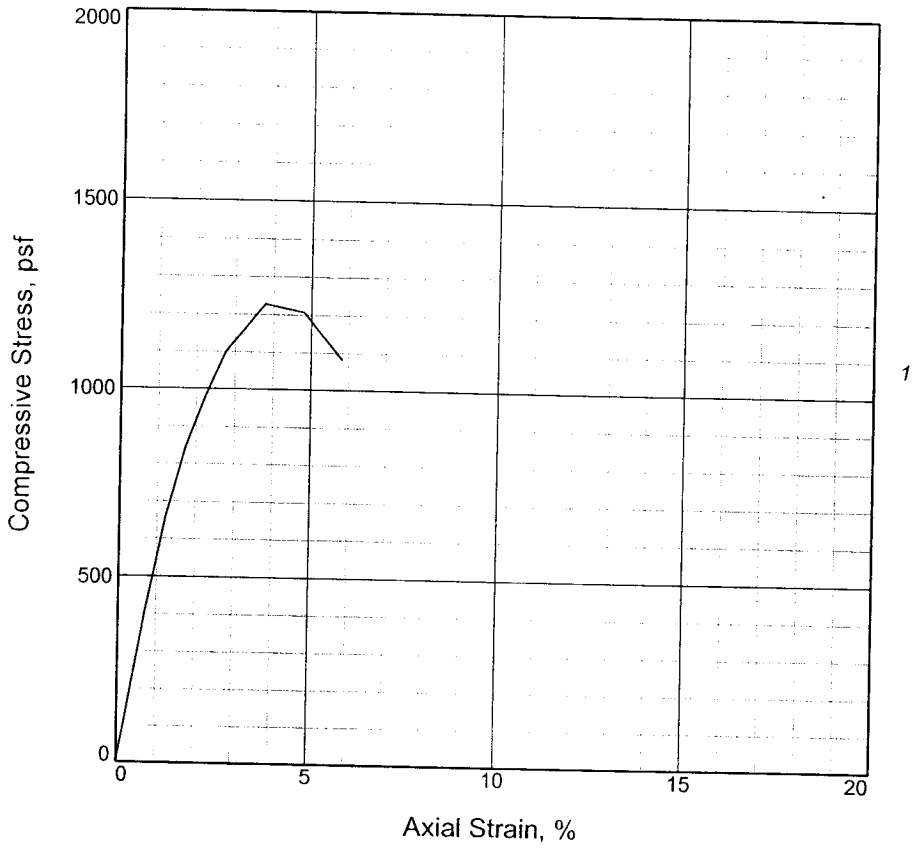
Stress Paths: o indicates peak + indicates end

Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 56.0 **Sample Number:** 15
Project No.: 19080 **Figure** _____

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH & RR **Checked By:** JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	1227.9			
Undrained shear strength, psf	613.9			
Failure strain, %	3.8			
Strain rate, in./min.	0.055			
Water content, %	42.8			
Wet density, pcf	106.2			
Dry density, pcf	74.4			
Saturation, %	90.2			
Void ratio	1.3003			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: M Gr CH4 w/ SL

LL =	PL =	PI =	Assumed GS= 2.74	Type: Undisturbed

Project No.: 19080

Date: 11-10-05

Remarks:
Torvane = 0.300 tsf

Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA

Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL

Source of Sample: B-8 **Depth:** 58.5

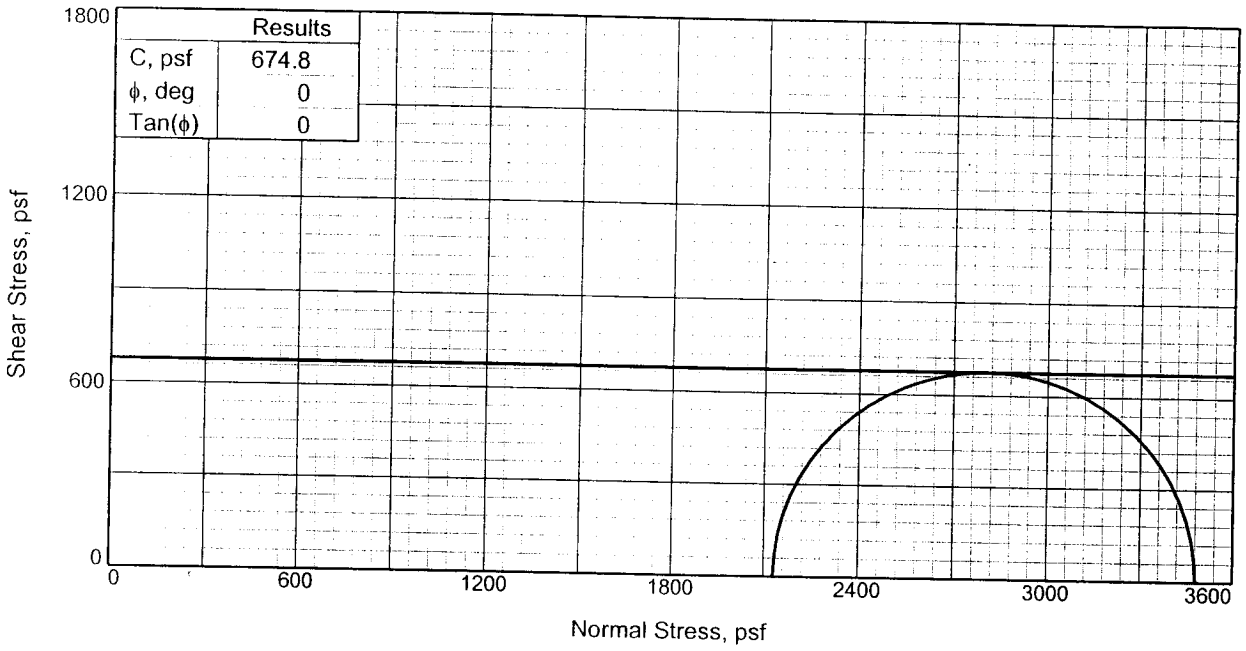
Sample Number: 16

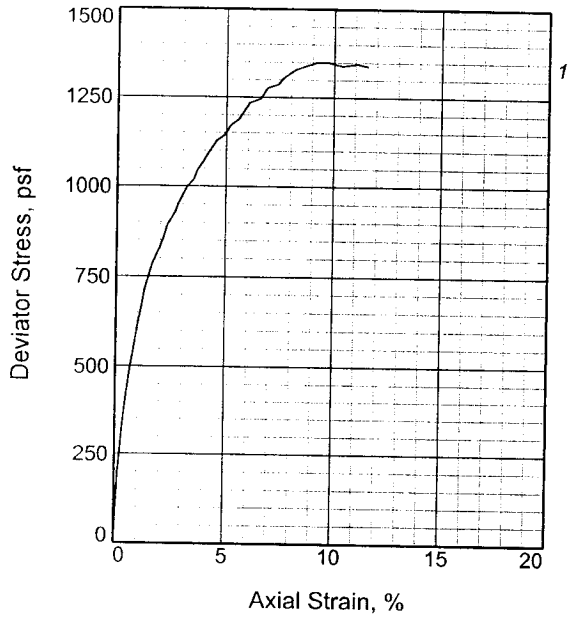
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: RR **Checked By:** JS





Specimen No.		1
Initial	Water Content,	31.2
	Dry Density, pcf	86.8
	Saturation,	89.5
	Void Ratio	0.9421
	Diameter, in.	1.388
	Height, in.	2.930
At Test	Water Content,	34.8
	Dry Density, pcf	86.8
	Saturation,	100.0
	Void Ratio	0.9409
	Diameter, in.	1.388
	Height, in.	2.929
Strain rate, in./min.		0.029
Back Pressure, psf		0.0
Cell Pressure, psf		2131.2
Fail. Stress, psf		1349.6
Ult. Stress, psf		1338.2
σ_1 Failure, psf		3480.8
σ_3 Failure, psf		2131.2

Type of Test:
Unconsolidated Undrained
Sample Type: Undisturbed
Description: M Gr & T CH2

Assumed Specific Gravity= 2.70
Remarks: Torvane = 0.500 tsf

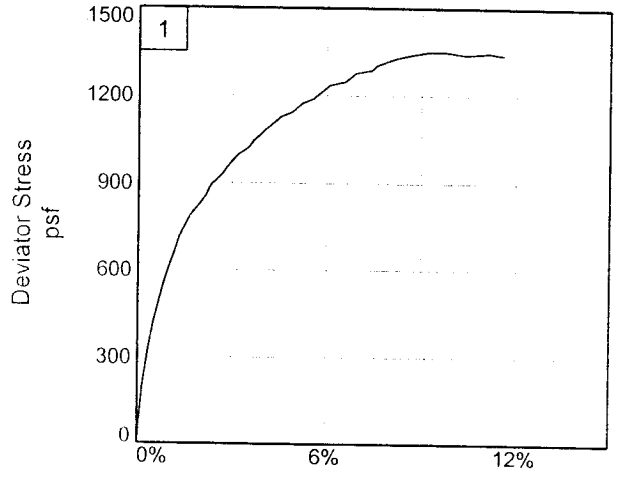
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 61.0
Sample Number: 17
Proj. No.: 19080 **Date:** 11-10-05

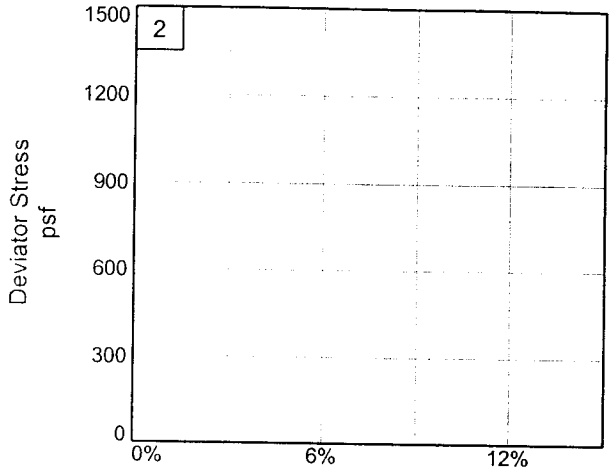
TRIAXIAL SHEAR TEST REPORT

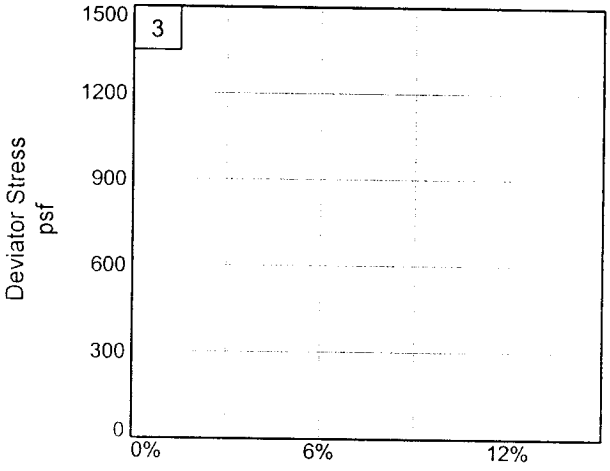
EUSTIS ENGINEERING COMPANY, INC.

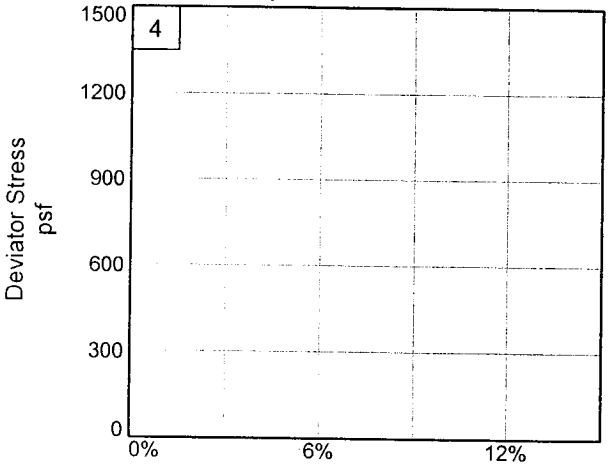
Figure 1

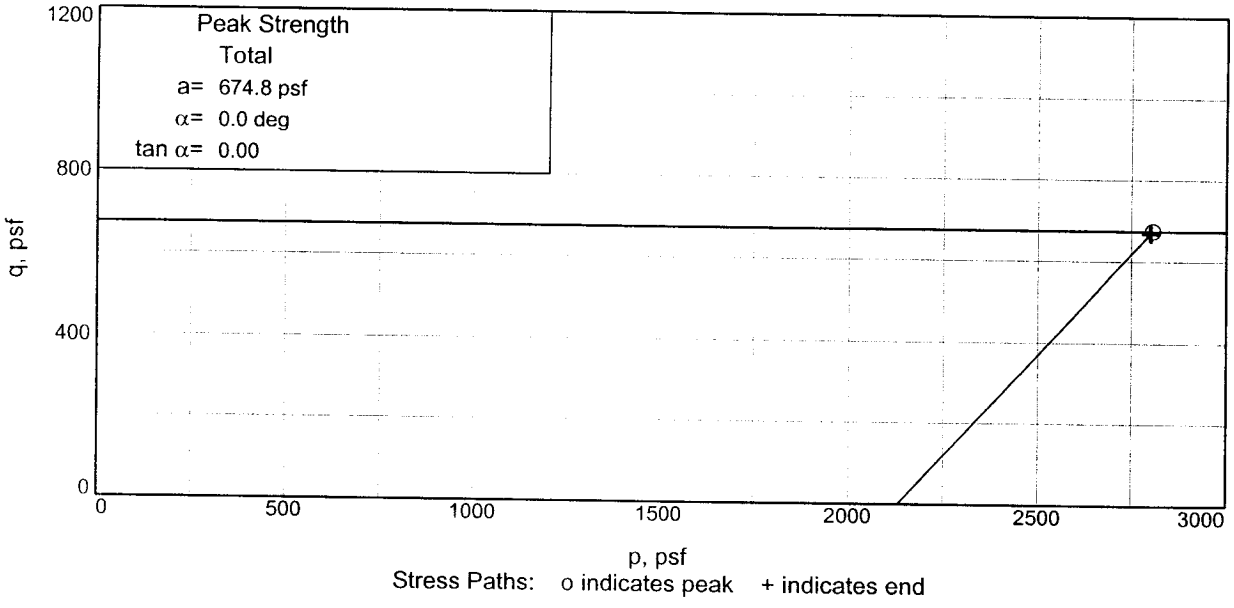
Tested By: RR **Checked By:** JS











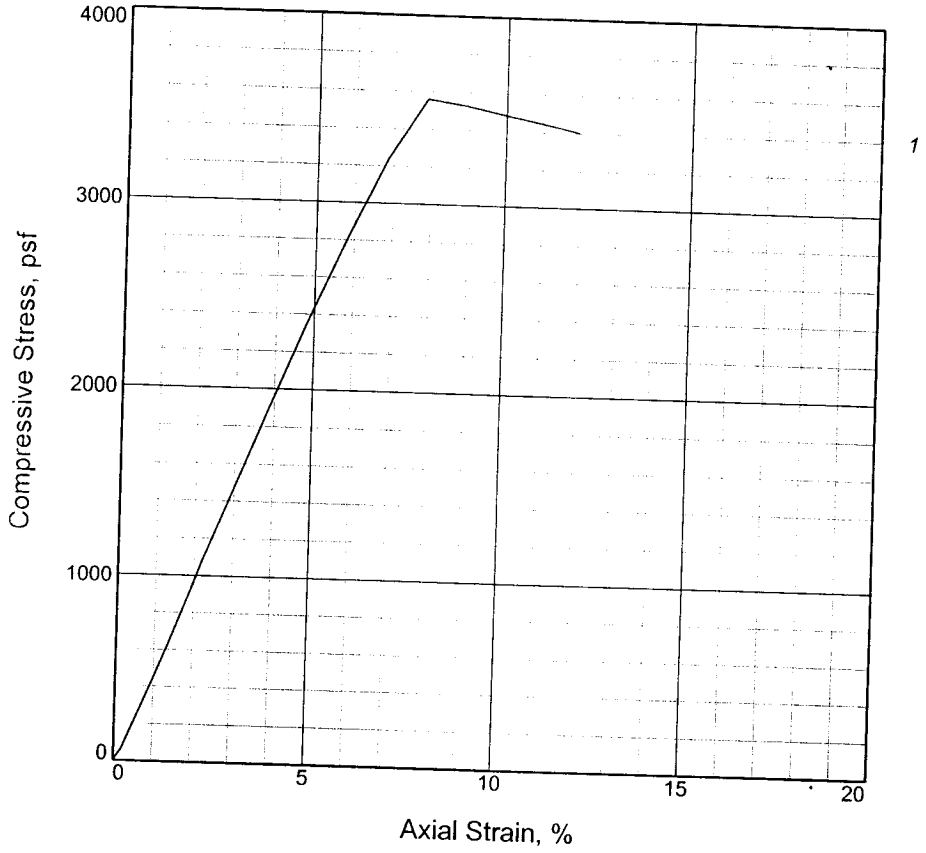
Stress Paths: o indicates peak + indicates end

Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 61.0 **Sample Number:** 17
Project No.: 19080 **Figure** _____

EUSTIS ENGINEERING COMPANY, INC.

Tested By: RR **Checked By:** JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	3557.7			
Undrained shear strength, psf	1778.8			
Failure strain, %	7.9			
Strain rate, in./min.	0.059			
Water content, %	18.9			
Wet density, pcf	129.8			
Dry density, pcf	109.2			
Saturation, %	92.5			
Void ratio	0.5546			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: St lGr CH4

LL =	PL =	PI =	**Assumed GS=** 2.72	**Type:** Undisturbed

Project No.: 19080

Date: 11-10-05

Remarks:
Torvane = 0.900 tsf

Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA

Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL

Source of Sample: B-8 **Depth:** 63.5

Sample Number: 18

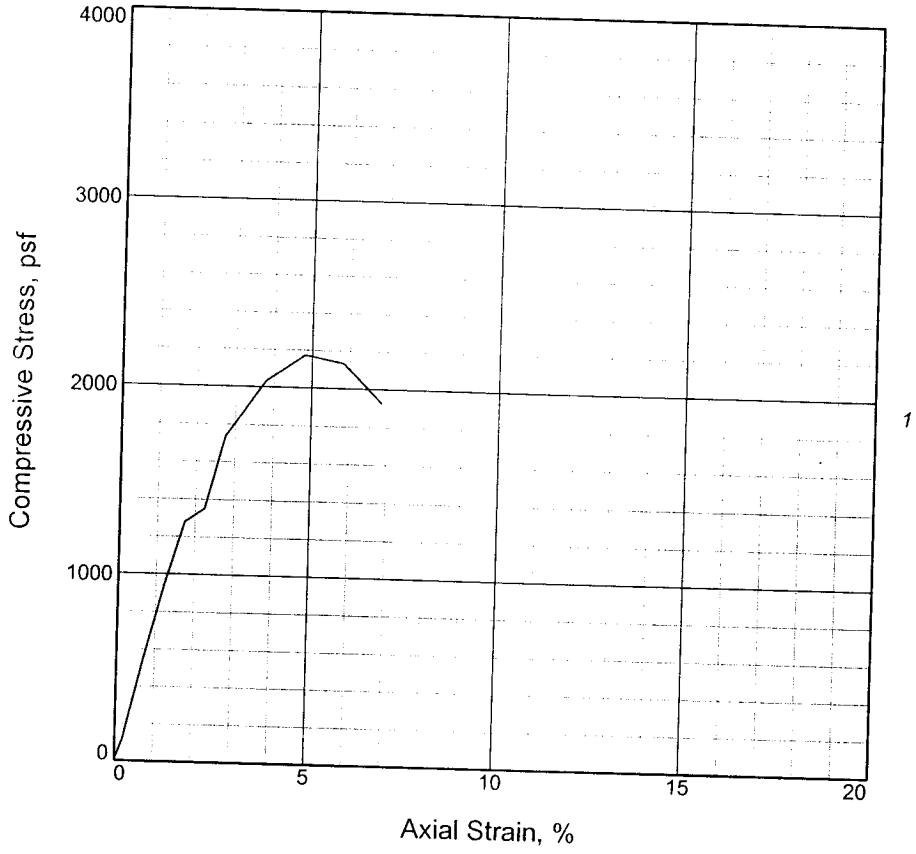
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: RR **Checked By:** JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	2170.4			
Undrained shear strength, psf	1085.2			
Failure strain, %	4.8			
Strain rate, in./min.	0.055			
Water content, %	37.6			
Wet density, pcf	111.3			
Dry density, pcf	80.8			
Saturation, %	92.4			
Void ratio	1.1164			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: vSt T & Gr CH4 W/ lns SM, SL

LL =	PL =	PI =	Assumed GS= 2.74	Type: Undisturbed

Project No.: 19080

Date: 11-10-05

Remarks:
Torvane = 0.625

Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA

Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL

Source of Sample: B-8 **Depth:** 88.5

Sample Number: 28

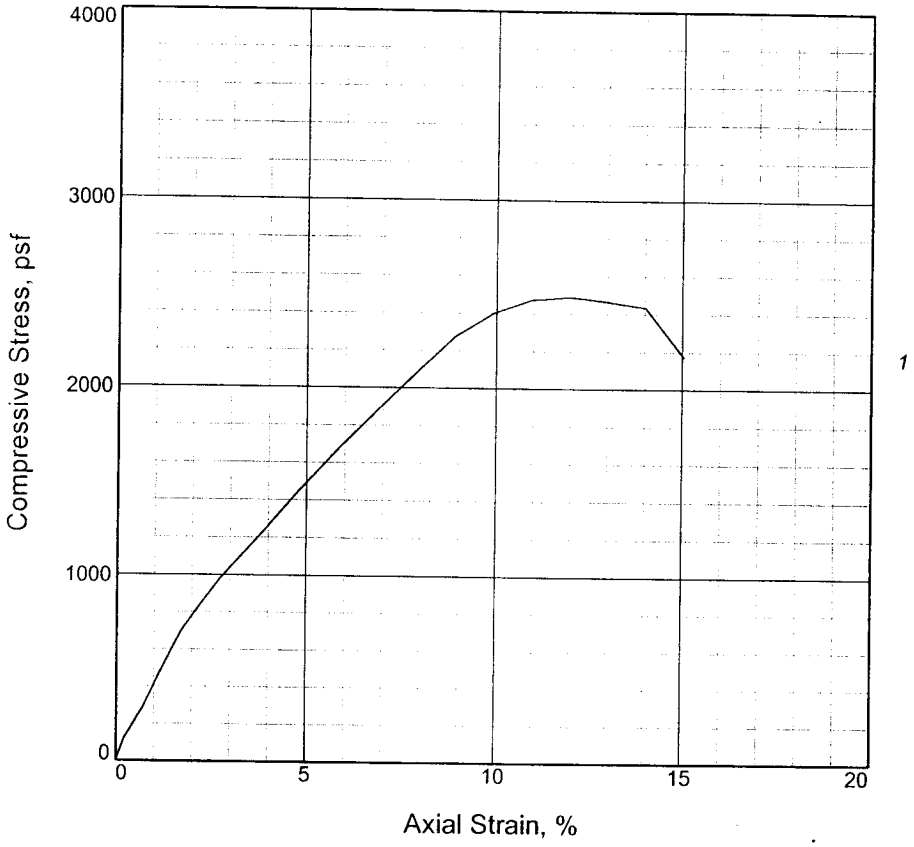
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: RR **Checked By:** JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	2488.1			
Undrained shear strength, psf	1244.1			
Failure strain, %	12.0			
Strain rate, in./min.	0.059			
Water content, %	45.9			
Wet density, pcf	106.2			
Dry density, pcf	72.8			
Saturation, %	93.2			
Void ratio	1.3489			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: St Gr CH4 w/ lns SM

LL =	PL =	PI =	**Assumed GS=** 2.74	**Type:** Undisturbed

Project No.: 19080
Date: 11-10-05

Remarks:
Torvane = 0.425

Figure 1

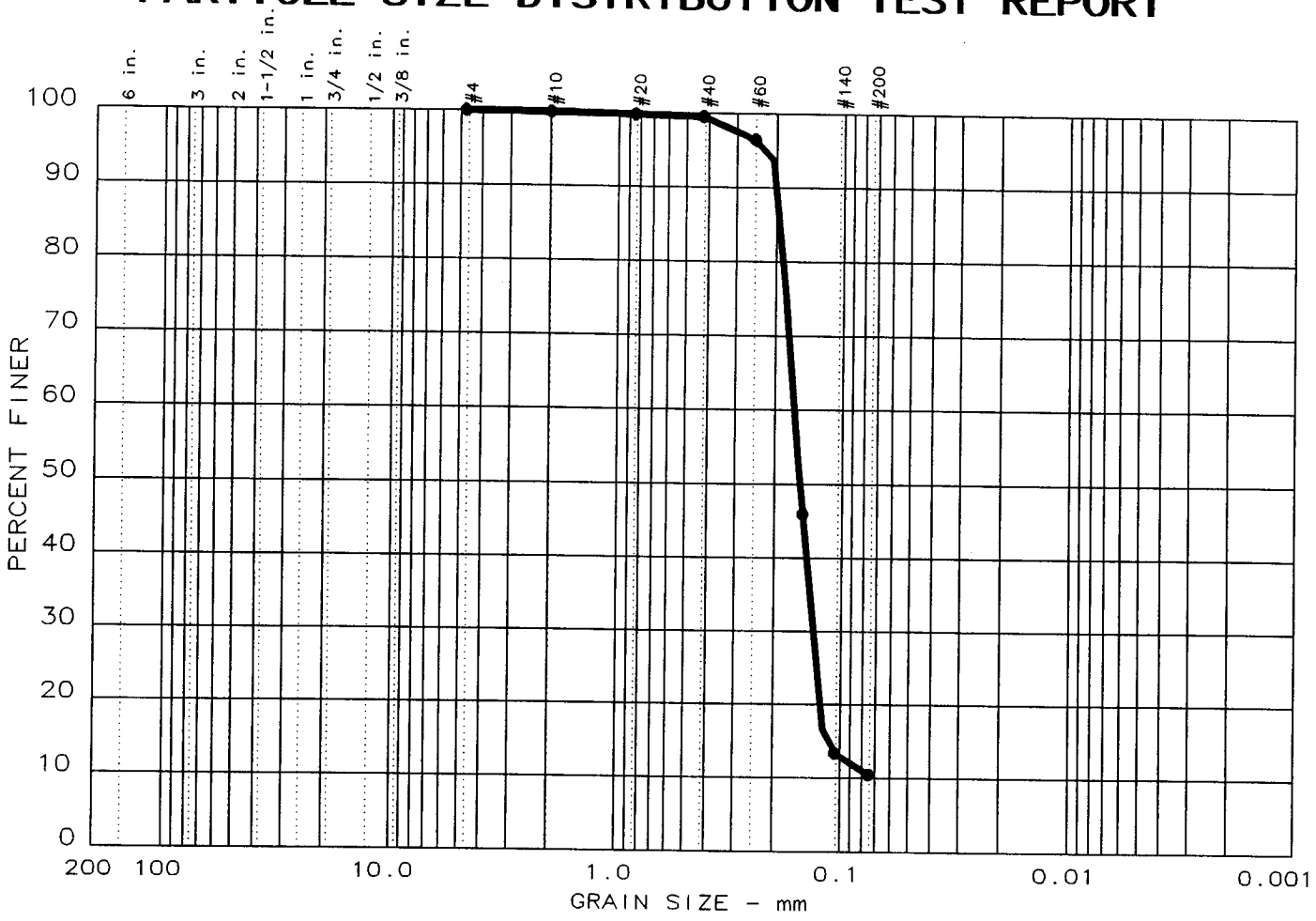
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-8 **Depth:** 98.5
Sample Number: 32

UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH **Checked By:** JS

PARTICLE SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
●	0.0	0.0	89.5	10.5		SM1-s		

SIEVE inches size	PERCENT FINER ●		
	GRAIN SIZE		
D_{60} D_{30} D_{10}	0.16 0.13		
	COEFFICIENTS		
C_c C_u			

SIEVE number size	PERCENT FINER ●		
4	100.0		
10	99.9		
20	99.7		
40	99.5		
60	96.5		
100	46.0		
140	13.4		
200	10.5		

Sample information:
● Boring 8, Sample 9
Gr SM1-s

Remarks:
Sample depth 41.0'

Eustis Engineering Company, Inc.

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

Date: 11-17-05 Data Sheet No. ——