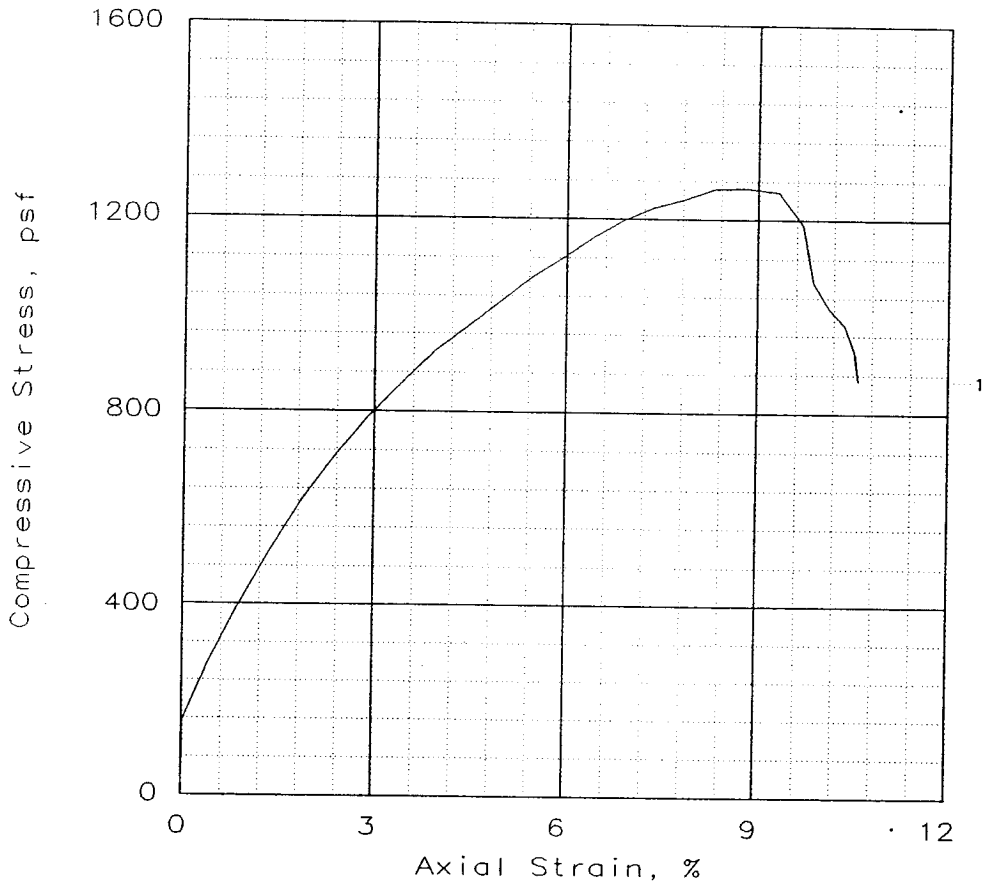
UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	1265			
Undrained shear strength, psf	632			
Failure strain, %	8.8			
Strain rate, in/min	0.0395			
Water content, %	24.4			
Wet density, pcf	117.1			
Dry density, pcf	94.1			
Saturation, %	83.3			
Void ratio	0.7916			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: M Gr & T CL6 w/ rt

GS= 2.7 | Type: Undisturbed

Project No.: 19080
Date: 10/20/05

Remarks:
Torvane = 0.875 tsf

Fig. No.: ——

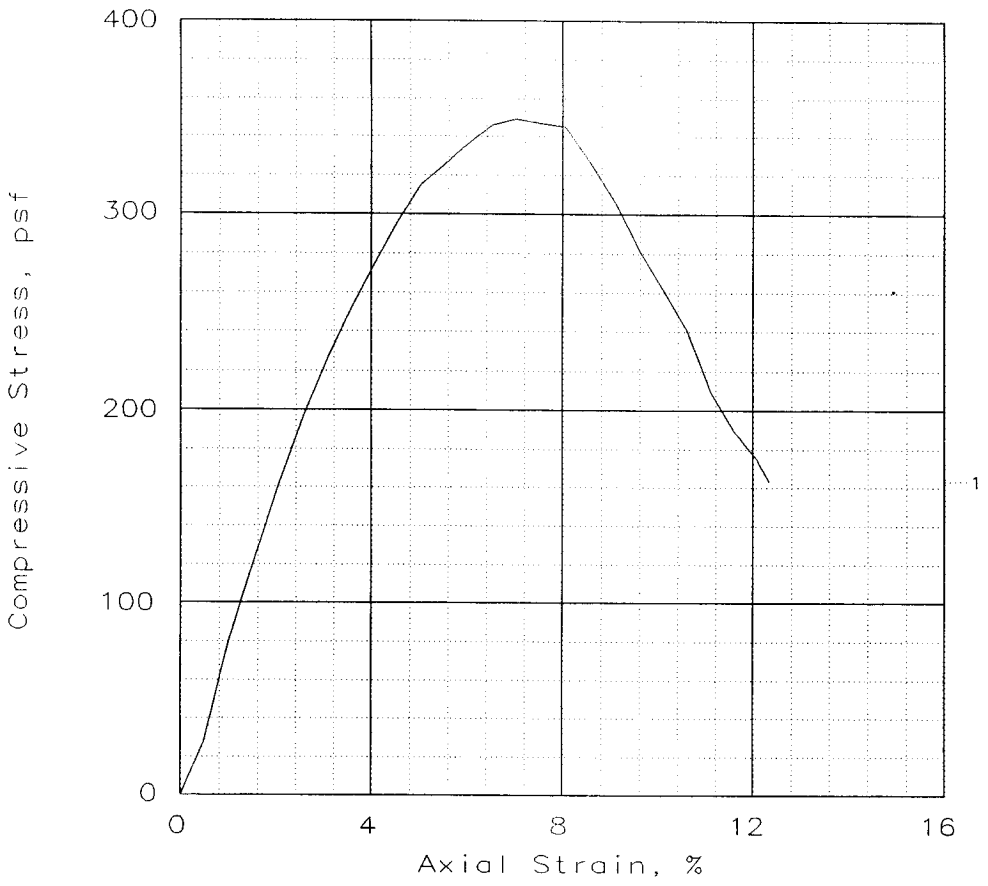
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls
at the 17th Street Canal
Location: Boring 7,
Sample 2-A, Depth 0.8', Elev -4.2

UNCONFINED COMPRESSION TEST

Eustis Engineering Company, Inc.

UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	349			
Undrained shear strength, psf	174			
Failure strain, %	7.0			
Strain rate, in/min	0.0574			
Water content, %	186.0			
Wet density, pcf	72.4			
Dry density, pcf	25.3			
Saturation, %	89.0			
Void ratio	5.5392			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: vSo dGr CHOB w/ wd

LL = 223	PL = 65	PI = 158	GS= 2.65	Type: Undisturbed

Project No.: 19080
Date: 10/20/05
Remarks:
Torvane = 0.270 tsf

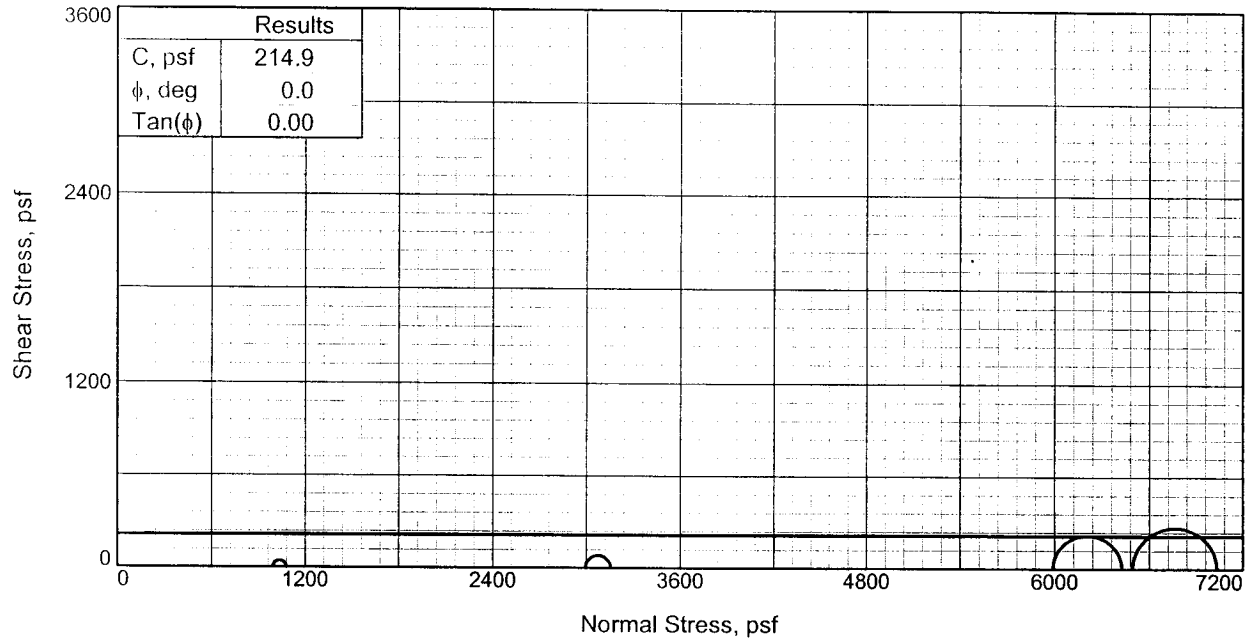
Fig. No.: ———

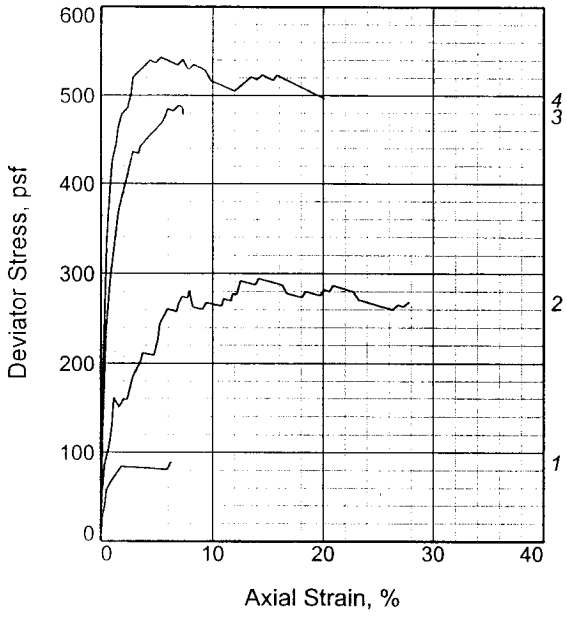
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls
at the 17th Street Canal
Location: Boring 7,
Sample 3-B, Depth 4.1', Elev -7.5

UNCONFINED COMPRESSION TEST

Eustis Engineering Company, Inc.





Specimen No.		1	2	3	4
Initial	Water Content,	75.8	81.7	83.0	51.1
	Dry Density, pcf	54.4	52.0	50.4	69.2
	Saturation,	97.2	98.1	95.2	95.5
	Void Ratio	2.1202	2.2661	2.3707	1.4546
	Diameter, in.	1.388	1.388	1.388	1.388
	Height, in.	2.930	2.930	2.930	2.930
At Test	Water Content,	77.7	83.1	86.7	52.9
	Dry Density, pcf	54.5	52.1	50.6	69.6
	Saturation,	100.0	100.0	100.0	100.0
	Void Ratio	2.1145	2.2594	2.3587	1.4390
	Diameter, in.	1.387	1.387	1.386	1.385
	Height, in.	2.928	2.928	2.927	2.924
Strain rate, in./min.		0.030	0.030	0.029	0.029
Back Pressure, psf		0.0	0.0	0.0	0.0
Cell Pressure, psf		993.6	2995.2	5990.4	6494.4
Fail. Stress, psf		84.2	160.2	435.6	539.2
Ult. Stress, psf		89.3	268.3	477.3	496.1
σ_1 Failure, psf		1077.8	3155.4	6426.0	7033.6
σ_3 Failure, psf		993.6	2995.2	5990.4	6494.4

Type of Test:
Unconsolidated Undrained
Sample Type: Undisturbed
Description: vSo Gr CH4 w/ Tr-wd, ars SM

LL= 82 **PL=** 22 **PI=** 60
Assumed Specific Gravity= 2.72
Remarks: Torvane = 0.060 tsf

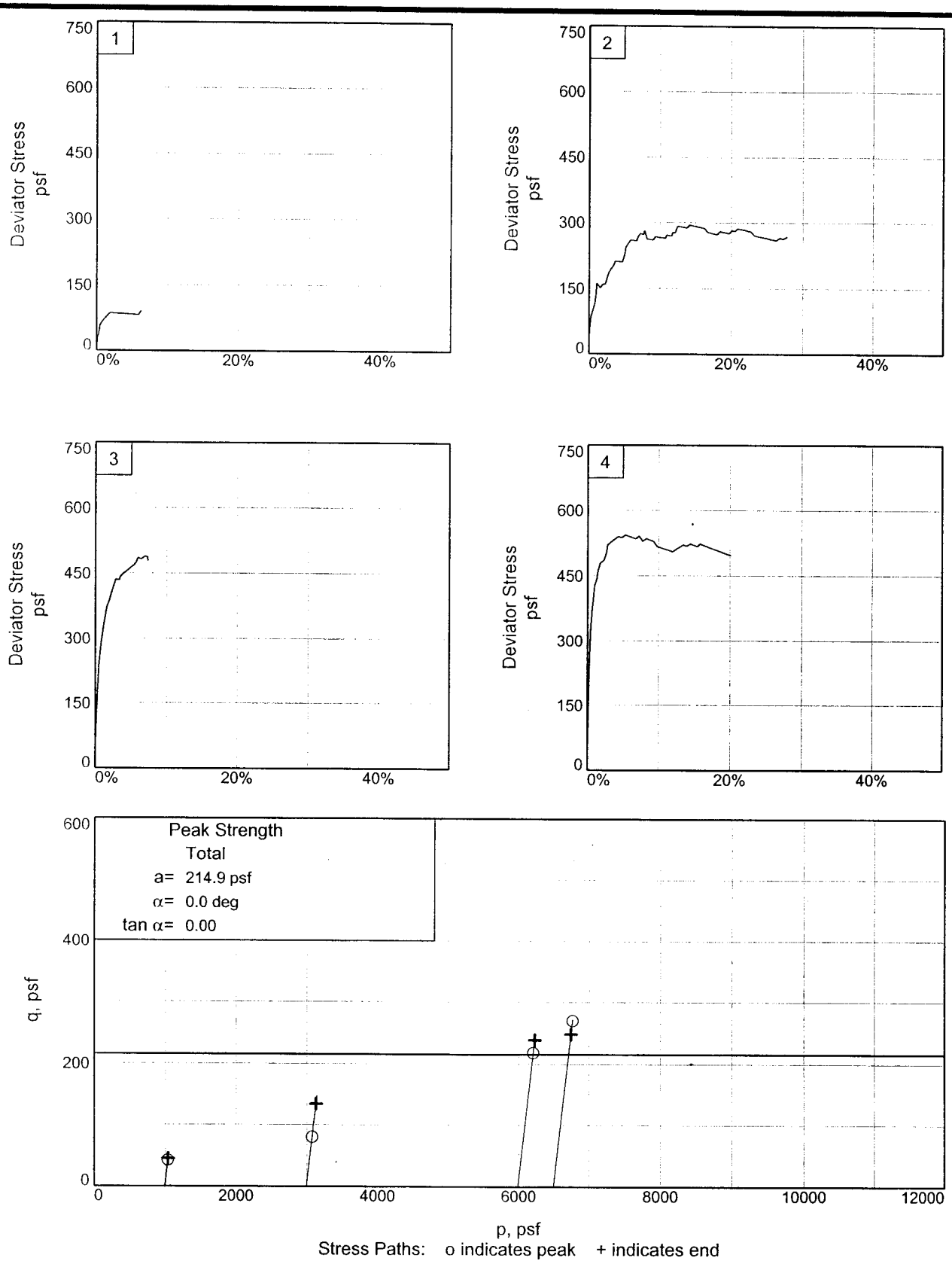
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-7 **Depth:** 7.8
Sample Number: 4B
Proj. No.: 19080 **Date:** 11-11-05

TRIAXIAL SHEAR TEST REPORT

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

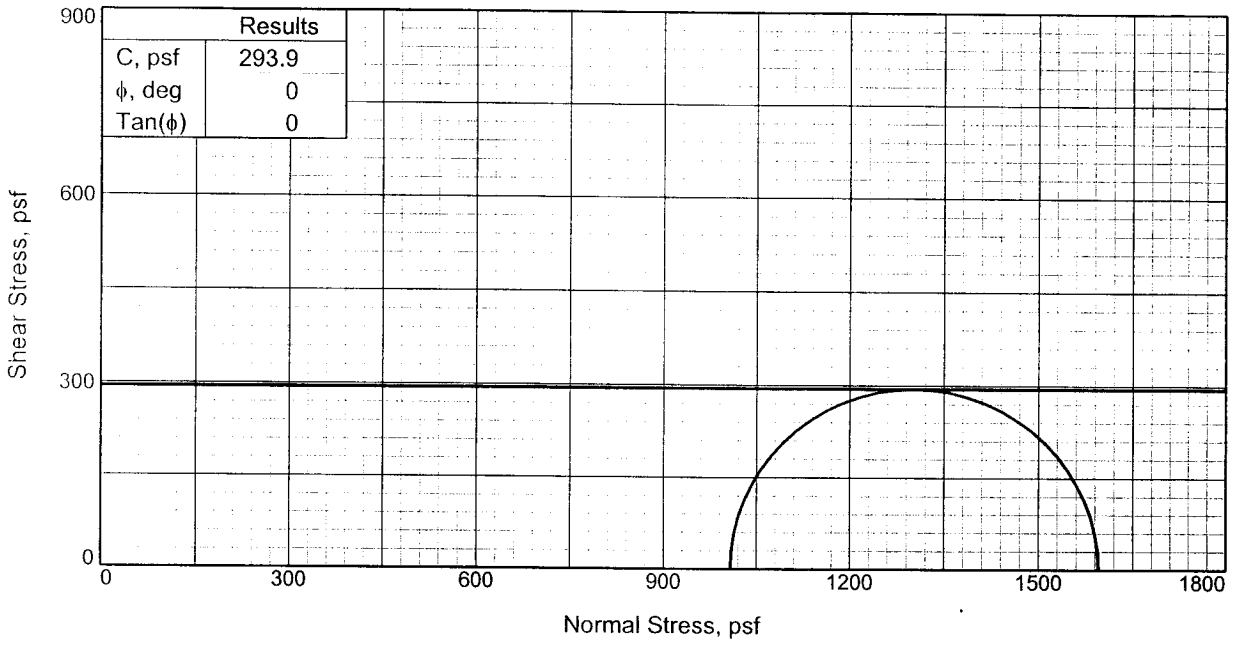
Tested By: RR **Checked By:** JS

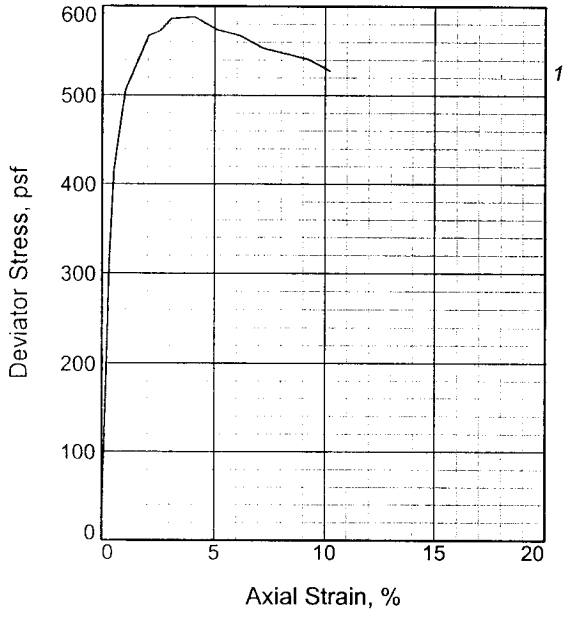


Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-7 **Depth:** 7.8 **Sample Number:** 4B
Project No.: 19080 **Figure** 2

EUSTIS ENGINEERING COMPANY, INC.

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





Specimen No.		1
Initial	Water Content,	82.3
	Dry Density, pcf	50.5
	Saturation,	94.5
	Void Ratio	2.3852
	Diameter, in.	1.388
	Height, in.	2.930
At Test	Water Content,	87.0
	Dry Density, pcf	50.6
	Saturation,	100.0
	Void Ratio	2.3832
	Diameter, in.	1.388
	Height, in.	2.929
Strain rate, in./min.		0.029
Back Pressure, psf		0.0
Cell Pressure, psf		1008.0
Fail. Stress, psf		587.7
Ult. Stress, psf		527.2
σ_1 Failure, psf		1595.7
σ_3 Failure, psf		1008.0

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

Assumed Specific Gravity= 2.74
Remarks: Torvane = 0.050 tsf

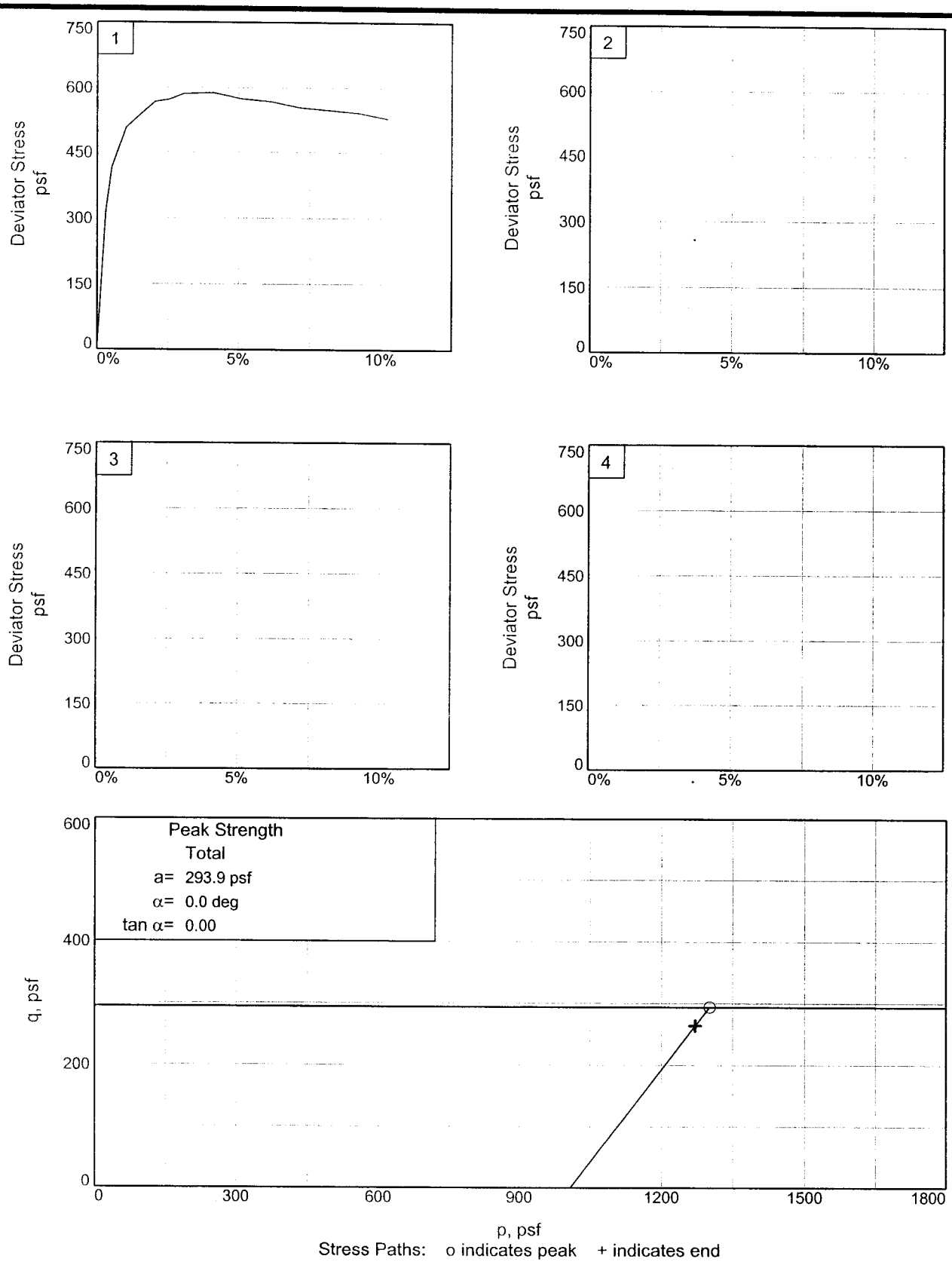
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-7 **Depth:** 12.7
Sample Number: 5C
Proj. No.: 19080 **Date:** 11-14-05

TRIAXIAL SHEAR TEST REPORT

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

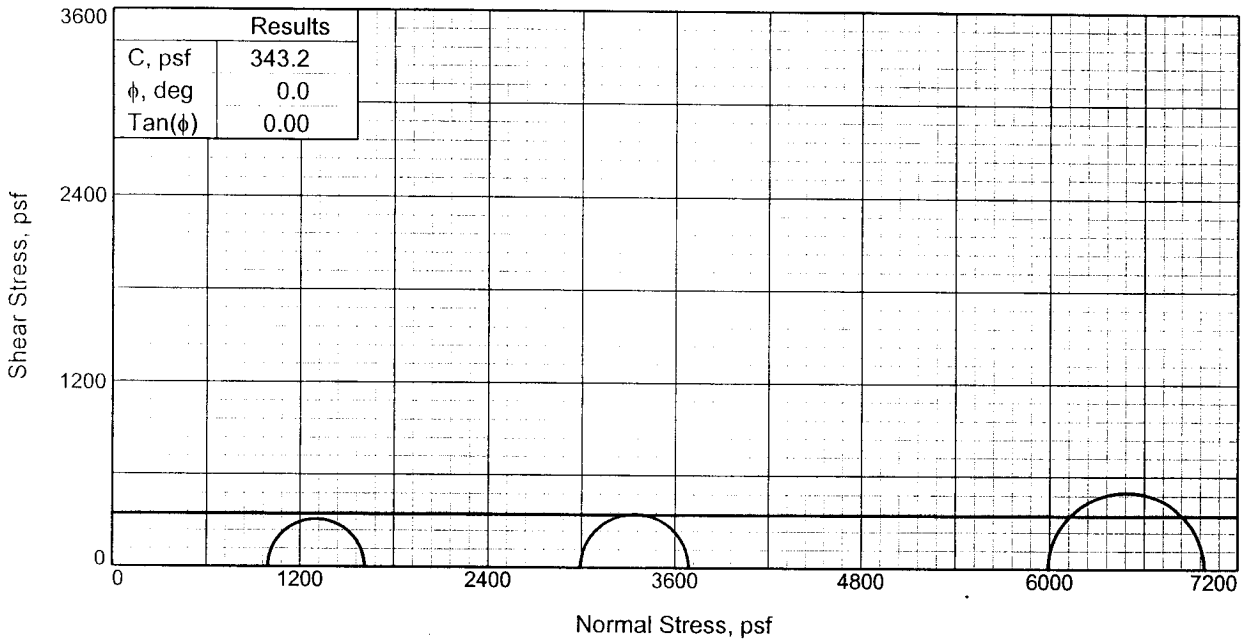
Tested By: LWR **Checked By:** JS

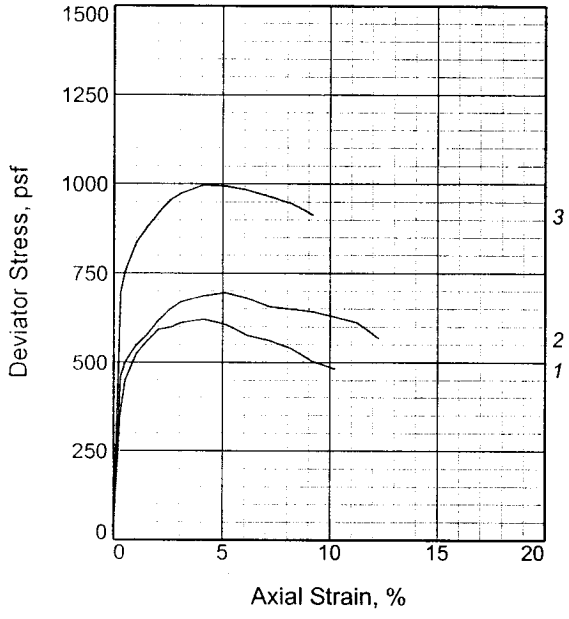


Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-7 **Depth:** 12.7 **Sample Number:** 5C
Project No.: 19080 **Figure** 2

EUSTIS ENGINEERING COMPANY, INC.

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





Specimen No.		1	2	3
Initial	Water Content,	82.4	83.0	77.8
	Dry Density, pcf	49.0	50.0	52.9
	Saturation,	91.0	94.4	95.7
	Void Ratio	2.4644	2.3933	2.2126
	Diameter, in.	1.388	1.388	1.388
	Height, in.	2.930	2.930	2.930
At Test	Water Content,	90.6	87.9	81.2
	Dry Density, pcf	49.0	50.1	52.9
	Saturation,	100.0	100.0	100.0
	Void Ratio	2.4630	2.3912	2.2097
	Diameter, in.	1.388	1.388	1.388
	Height, in.	2.930	2.929	2.929
Strain rate, in./min.		0.058	0.058	0.058
Back Pressure, psf		0.0	0.0	0.0
Cell Pressure, psf		993.6	2995.2	5990.4
Fail. Stress, psf		620.3	694.5	996.1
Ult. Stress, psf		481.3	567.4	912.0
σ_1 Failure, psf		1613.9	3689.7	6986.5
σ_3 Failure, psf		993.6	2995.2	5990.4

Type of Test:
Unconsolidated Undrained
Sample Type: Undisturbed
Description: So Gr CH4 w/ lns & ars ML

LL= 79 **PL=** 24 **PI=** 55
Assumed Specific Gravity= 2.72
Remarks: Torvane = 0.090 tsf

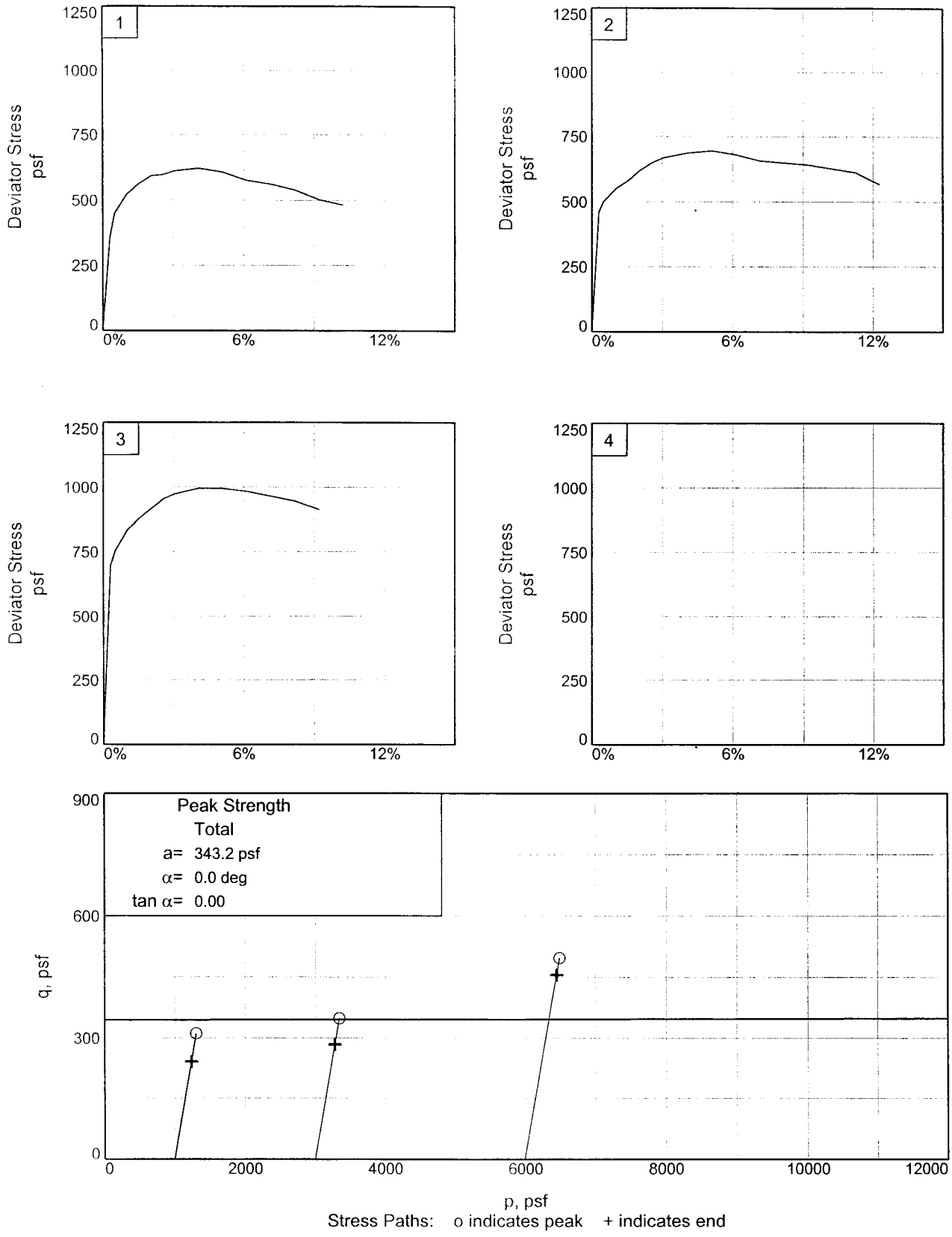
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-7 **Depth:** 15.8
Sample Number: 6B
Proj. No.: 19080 **Date:** 11-14-05

TRIAXIAL SHEAR TEST REPORT

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

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

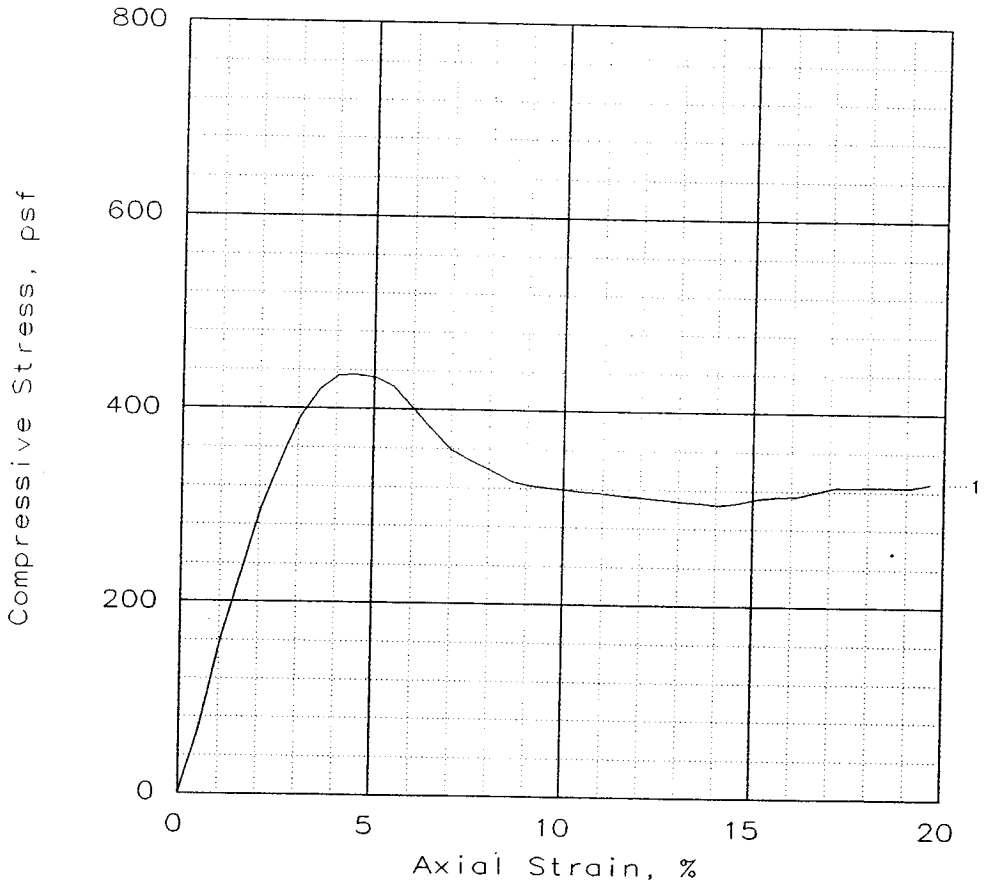


Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-7 **Depth:** 15.8 **Sample Number:** 6B
Project No.: 19080 **Figure** 2

EUSTIS ENGINEERING COMPANY, INC.

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

UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	435			
Undrained shear strength, psf	217			
Failure strain, %	4.1			
Strain rate, in/min	0.0514			
Water content, %	75.9			
Wet density, pcf	94.0			
Dry density, pcf	53.4			
Saturation, %	94.6			
Void ratio	2.2003			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: vSo Gr CH4 w/ Ins SM, SL

GS= 2.74 | Type: Undisturbed

Project No.: 19080
Date: 10/20/05

Remarks:
Torvane = 0.100 tsf

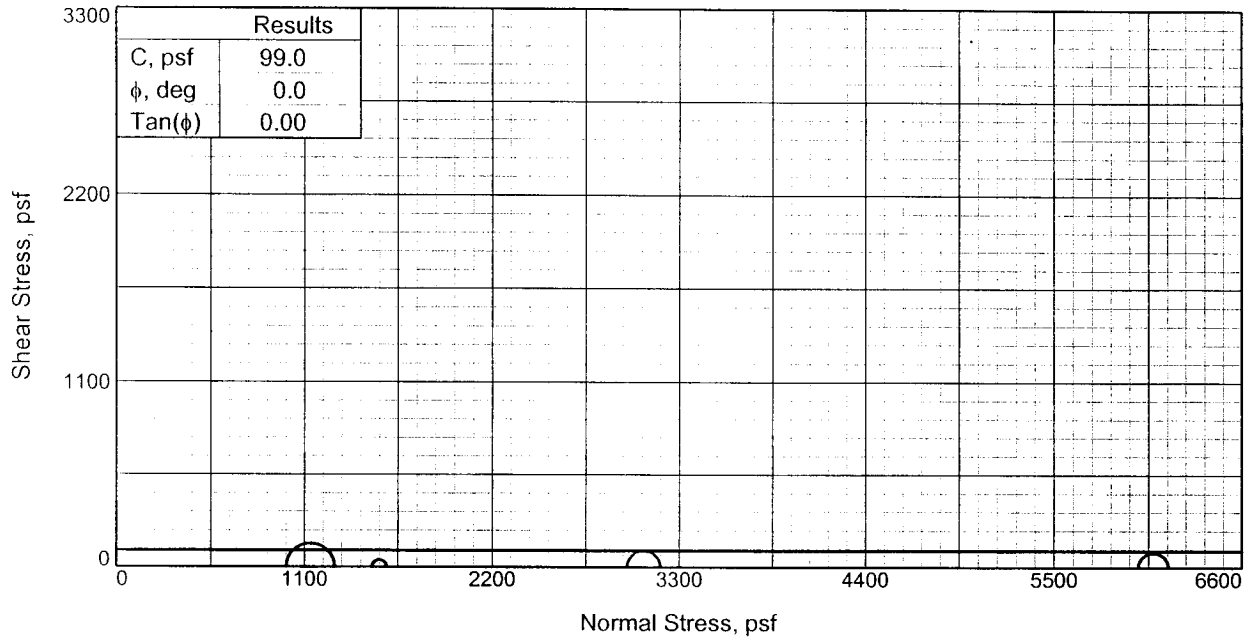
Fig. No.: ———

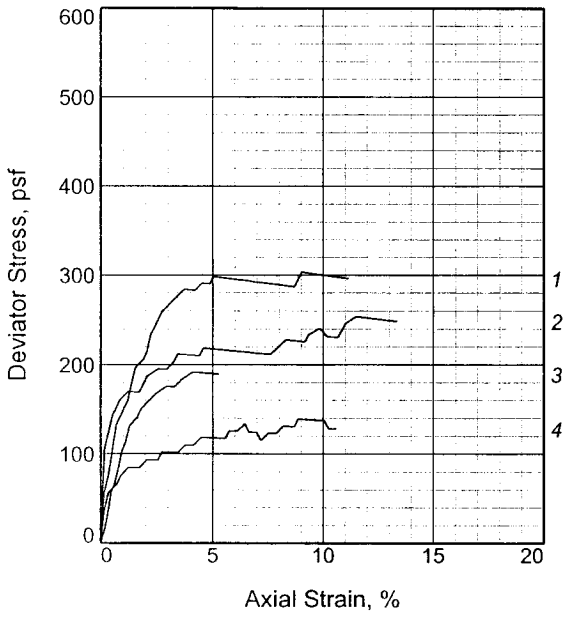
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls
at the 17th Street Canal
Location: Boring 7,
Sample 7-B, Depth 20.1', Elev -23.5

UNCONFINED COMPRESSION TEST

Eustis Engineering Company, Inc.





Specimen No.		1	2	3	4
Initial	Water Content,	89.8	93.2	92.8	90.1
	Dry Density, pcf	48.6	47.1	48.4	48.5
	Saturation,	97.8	97.3	100.6	97.9
	Void Ratio	2.4957	2.6039	2.5088	2.5042
	Diameter, in.	1.388	1.388	1.388	1.388
	Height, in.	2.930	2.930	2.930	2.930
At Test	Water Content,	91.8	95.3	92.2	92.0
	Dry Density, pcf	48.6	47.3	48.4	48.5
	Saturation,	100.0	100.0	100.0	100.0
	Void Ratio	2.4957	2.5910	2.5088	2.5024
	Diameter, in.	1.388	1.386	1.388	1.388
	Height, in.	2.930	2.927	2.930	2.929
Strain rate, in./min.		0.029	0.030	0.029	0.031
Back Pressure, psf		0.0	0.0	0.0	0.0
Cell Pressure, psf		993.6	2995.2	5990.4	1497.6
Fail. Stress, psf		284.0	195.2	175.5	84.6
Ult. Stress, psf		295.9	248.0	189.3	127.7
σ_1 Failure, psf		1277.6	3190.4	6165.9	1582.2
σ_3 Failure, psf		993.6	2995.2	5990.4	1497.6

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

LL= 94 **PL=** 22 **PI=** 72
Assumed Specific Gravity= 2.72
Remarks: Torvane = 0.050 tsf

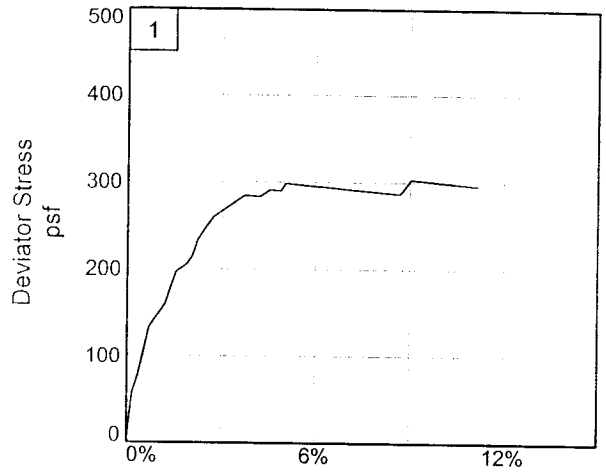
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-7 **Depth:** 23.8
Sample Number: 8B
Proj. No.: 19080 **Date:** 11-11-05

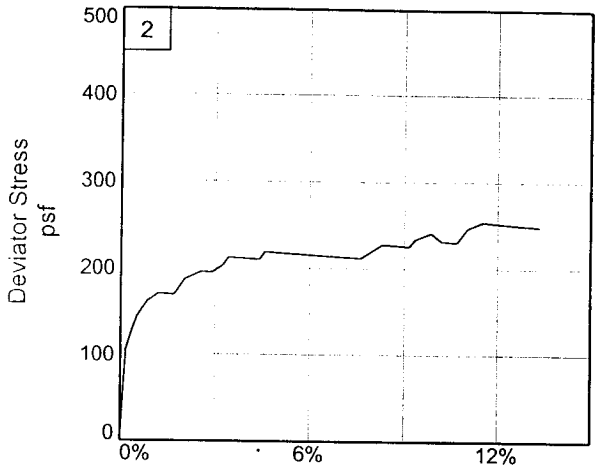
TRIAXIAL SHEAR TEST REPORT

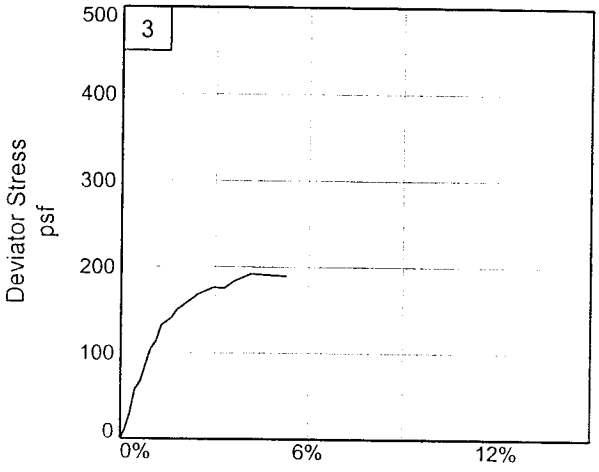
EUSTIS ENGINEERING COMPANY, INC.

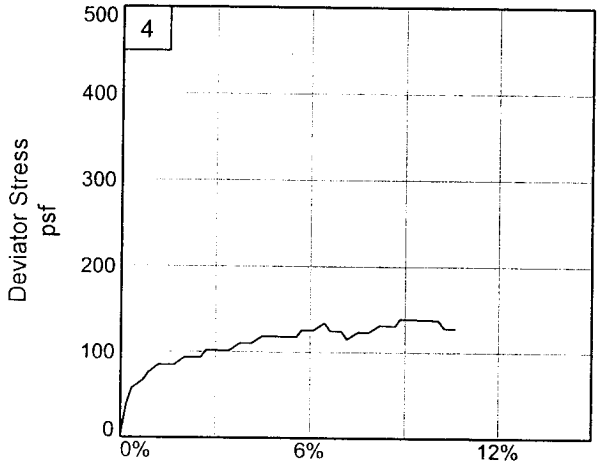
Figure 1

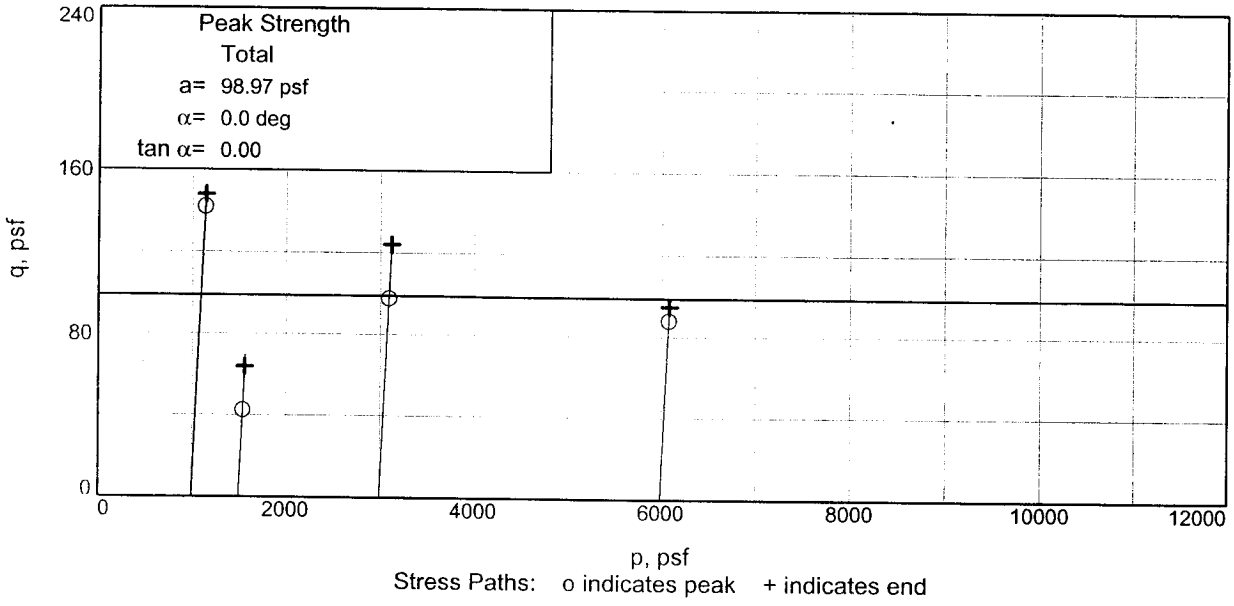
Tested By: RR **Checked By:** JS









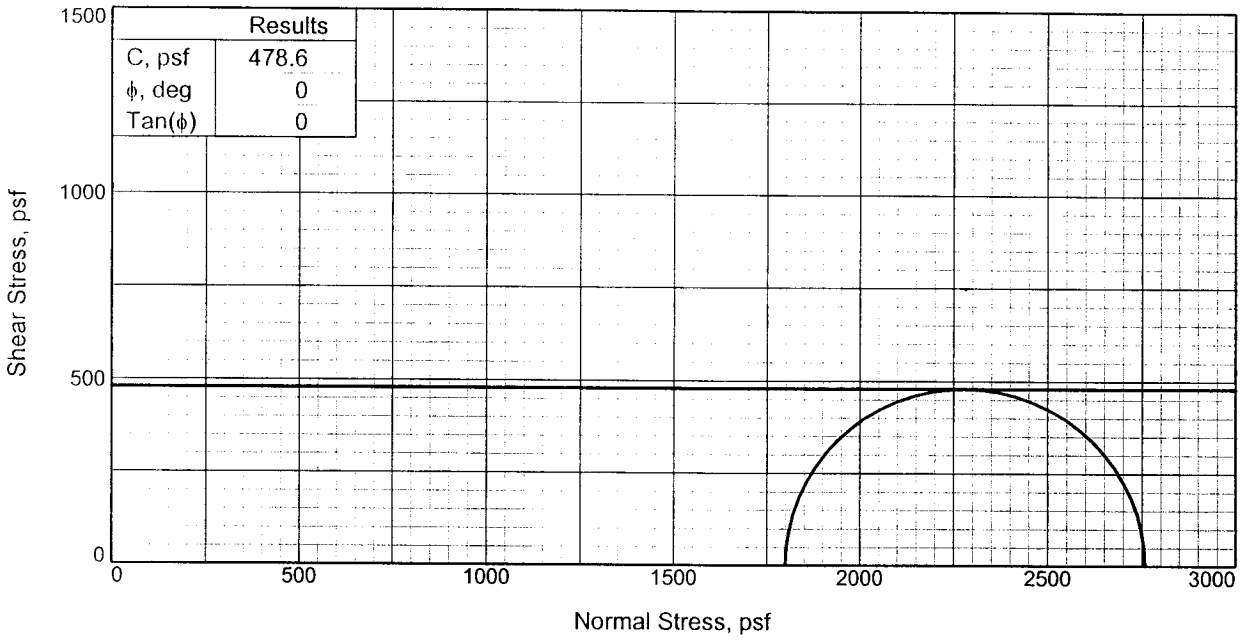


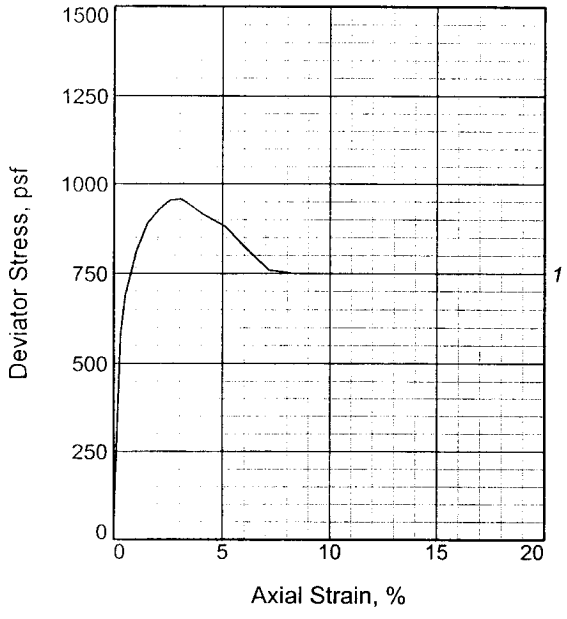
Stress Paths: o indicates peak + indicates end

Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-7 **Depth:** 23.8 **Sample Number:** 8B
Project No.: 19080 **Figure** 2

EUSTIS ENGINEERING COMPANY, INC.

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





Specimen No.		1
Initial	Water Content,	76.2
	Dry Density, pcf	53.5
	Saturation,	95.0
	Void Ratio	2.1985
	Diameter, in.	1.388
	Height, in.	2.930
At Test	Water Content,	80.1
	Dry Density, pcf	53.5
	Saturation,	100.0
	Void Ratio	2.1955
	Diameter, in.	1.388
	Height, in.	2.929
Strain rate, in./min.		0.058
Back Pressure, psf		0.0
Cell Pressure, psf		1800.0
Fail. Stress, psf		957.2
Ult. Stress, psf		750.3
σ_1 Failure, psf		2757.2
σ_3 Failure, psf		1800.0

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

Assumed Specific Gravity= 2.74
Remarks: Torvane = 0.090 tsf

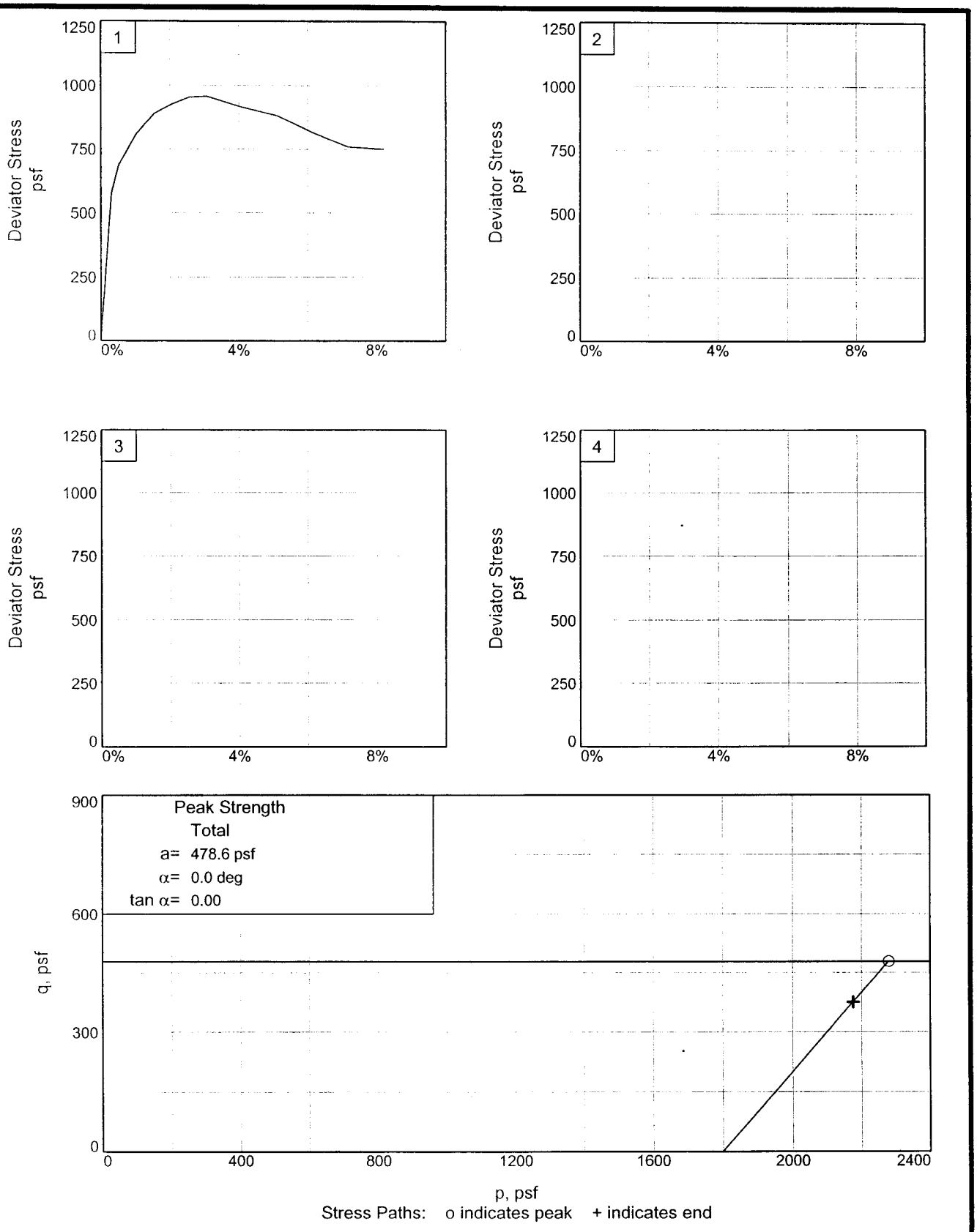
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-7 **Depth:** 28.7
Sample Number: 9C
Proj. No.: 19080 **Date:** 11-14-05

TRIAXIAL SHEAR TEST REPORT

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

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

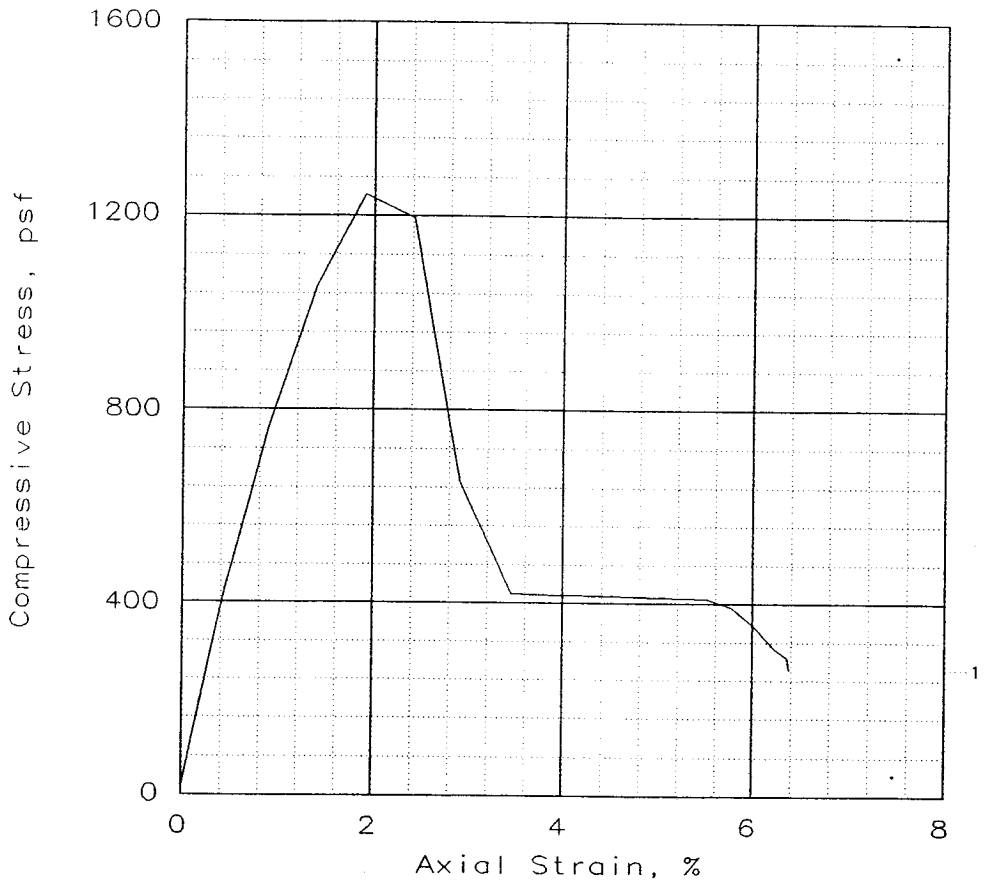


Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-7 **Depth:** 28.7 **Sample Number:** 9C
Project No.: 19080 **Figure** 2

EUSTIS ENGINEERING COMPANY, INC.

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

UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	1244			
Undrained shear strength, psf	622			
Failure strain, %	1.9			
Strain rate, in/min	0.0306			
Water content, %	52.5			
Wet density, pcf	103.2			
Dry density, pcf	67.6			
Saturation, %	95.0			
Void ratio	1.4919			
Specimen diameter, in	1.39			
Specimen height, in	2.93			
Height/diameter ratio	2.11			

Description: M Gr CH2 w/ SL

GS= 2.7 | Type: Undisturbed

Project No.: 19080
Date: 10/20/05
Remarks:
Torvane = 0.270 tsf

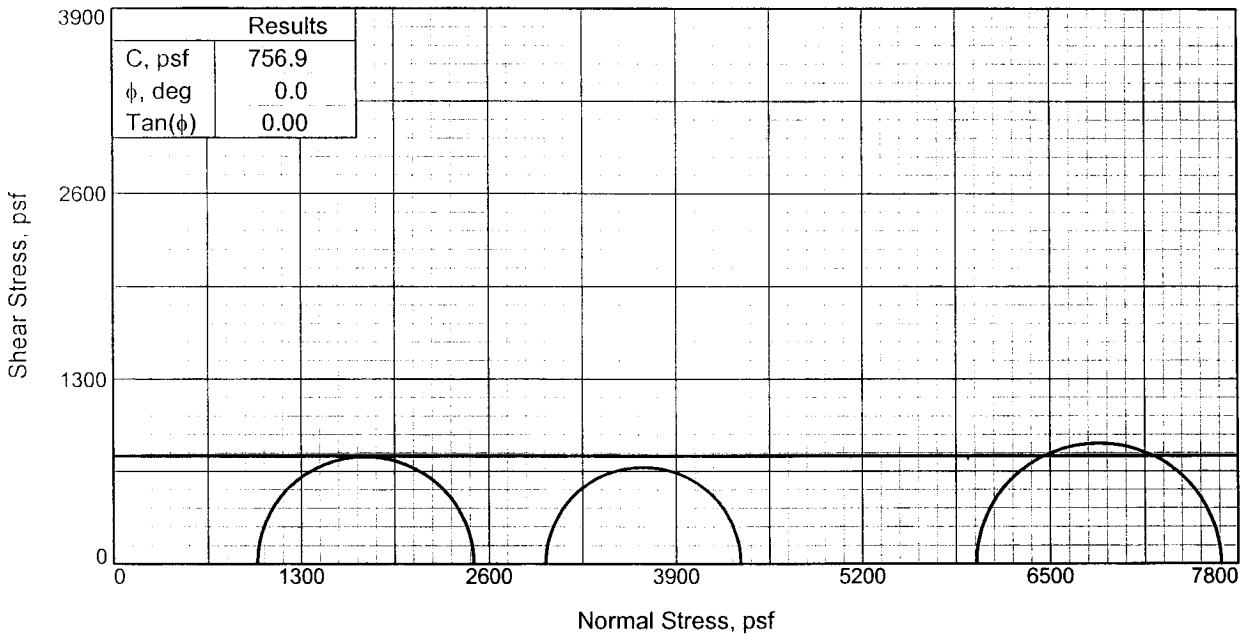
Fig. No.: ——

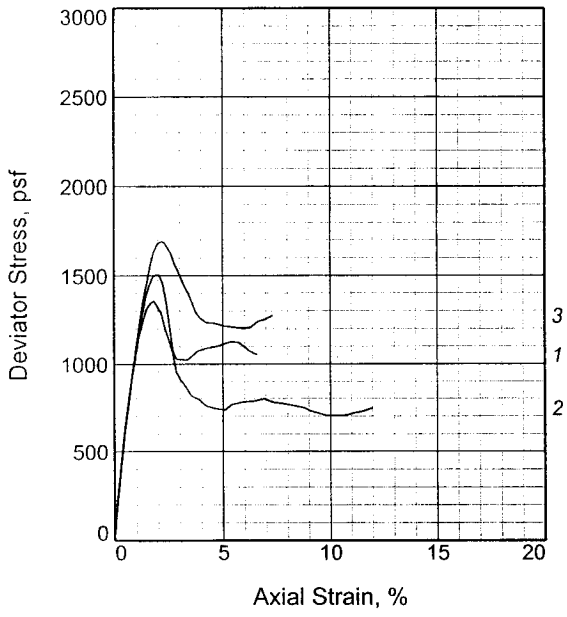
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls
at the 17th Street Canal
Location: Boring 7,
Sample 13-A, Depth 38.3', Elev -41.7

UNCONFINED COMPRESSION TEST

Eustis Engineering Company, Inc.





Specimen No.		1	2	3
Initial	Water Content,	76.4	75.7	69.0
	Dry Density, pcf	53.8	53.5	57.6
	Saturation,	96.4	94.7	96.3
	Void Ratio	2.1563	2.1737	1.9491
	Diameter, in.	1.388	1.388	1.388
	Height, in.	2.930	2.930	2.930
At Test	Water Content,	79.2	79.9	71.2
	Dry Density, pcf	53.8	53.5	57.8
	Saturation,	100.0	100.0	100.0
	Void Ratio	2.1544	2.1728	1.9359
	Diameter, in.	1.388	1.388	1.386
	Height, in.	2.929	2.930	2.926
Strain rate, in./min.		0.029	0.030	0.029
Back Pressure, psf		0.0	0.0	0.0
Cell Pressure, psf		993.6	2995.2	5990.4
Fail. Stress, psf		1503.4	1355.1	1690.8
Ult. Stress, psf		1049.5	745.4	1274.0
σ_1 Failure, psf		2497.0	4350.3	7681.2
σ_3 Failure, psf		993.6	2995.2	5990.4

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

LL= 80 **PL=** 22 **PI=** 58
Assumed Specific Gravity= 2.72
Remarks:

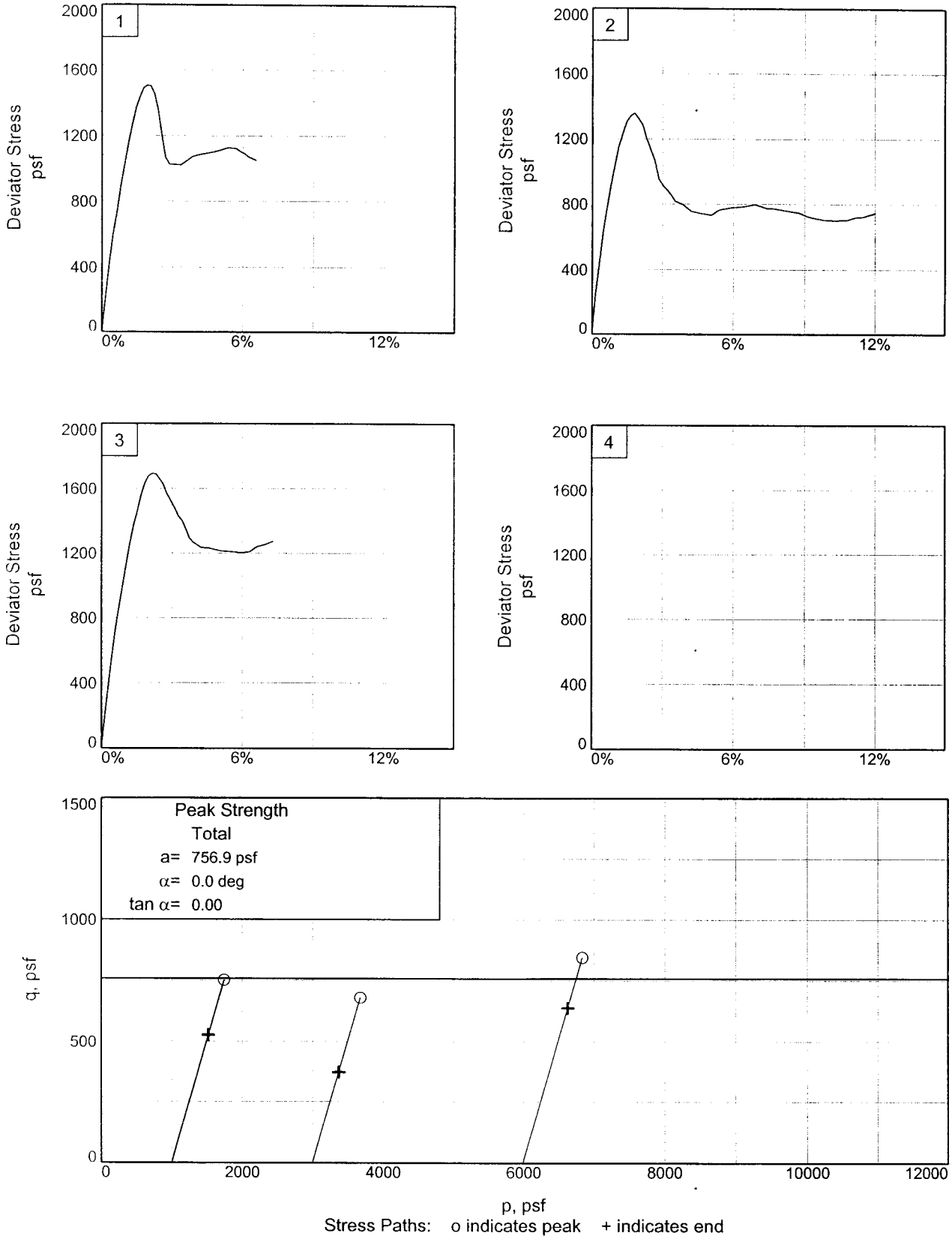
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-7 **Depth:** 42.8
Sample Number: 14B
Proj. No.: 19080 **Date:** 11-11-05

TRIAXIAL SHEAR TEST REPORT

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

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

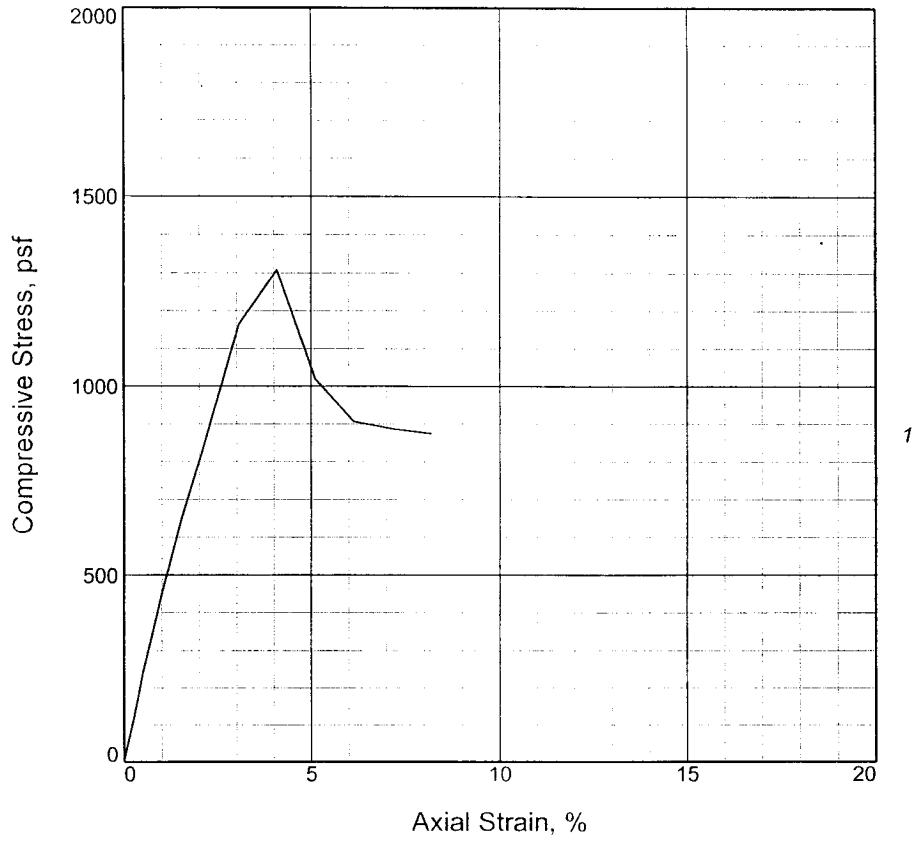


Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-7 **Depth:** 42.8 **Sample Number:** 14B
Project No.: 19080 **Figure** 2

EUSTIS ENGINEERING COMPANY, INC.

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

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	1307.9			
Undrained shear strength, psf	654.0			
Failure strain, %	4.1			
Strain rate, in./min.	0.059			
Water content, %	68.3			
Wet density, pcf	96.7			
Dry density, pcf	57.5			
Saturation, %	95.1			
Void ratio	1.9544			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

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

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

Project No.: 19080

Date: 11-14-05

Remarks:
Torvane = 0.130 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-7 **Depth:** 46.8

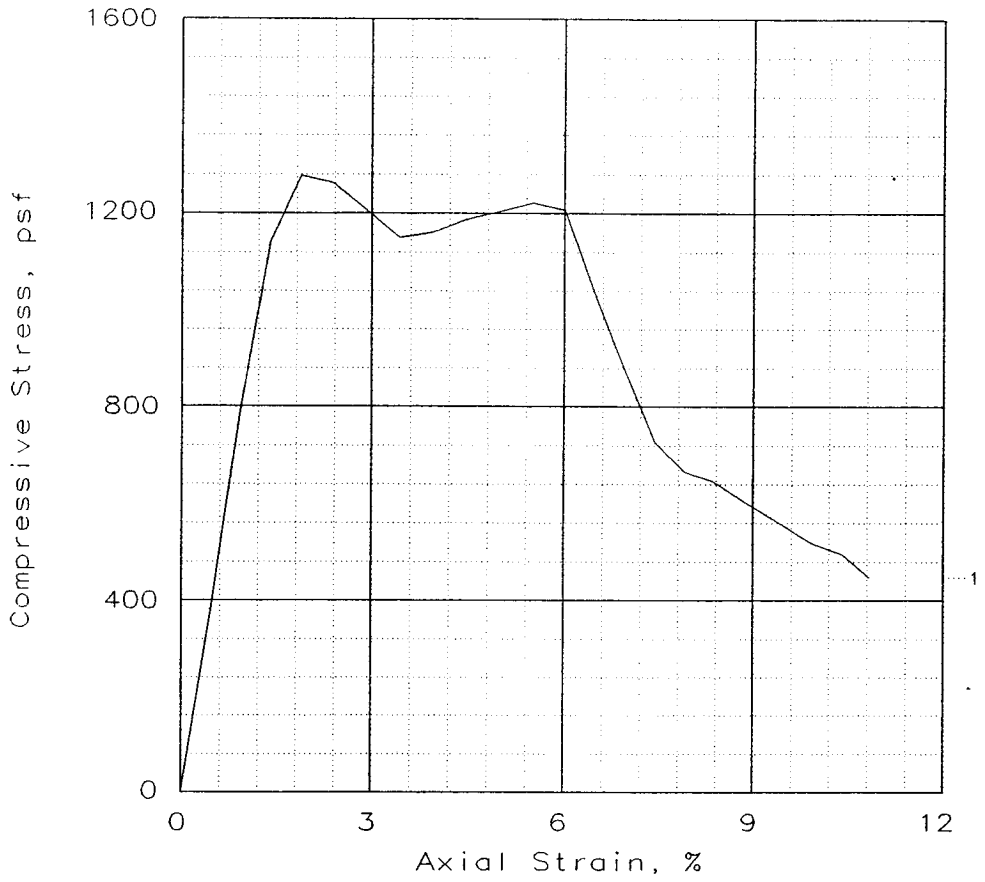
Sample Number: 15B

UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

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

UNCONFINED COMPRESSION TEST



SPECIMEN NO.:	1			
Unconfined strength, psf	1277			
Undrained shear strength, psf	639			
Failure strain, %	1.9			
Strain rate, in/min	0.0562			
Water content, %	64.3			
Wet density, pcf	99.1			
Dry density, pcf	60.4			
Saturation, %	96.0			
Void ratio	1.8340			
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: 10/20/05
Remarks:
Torvane = 0.350 tsf

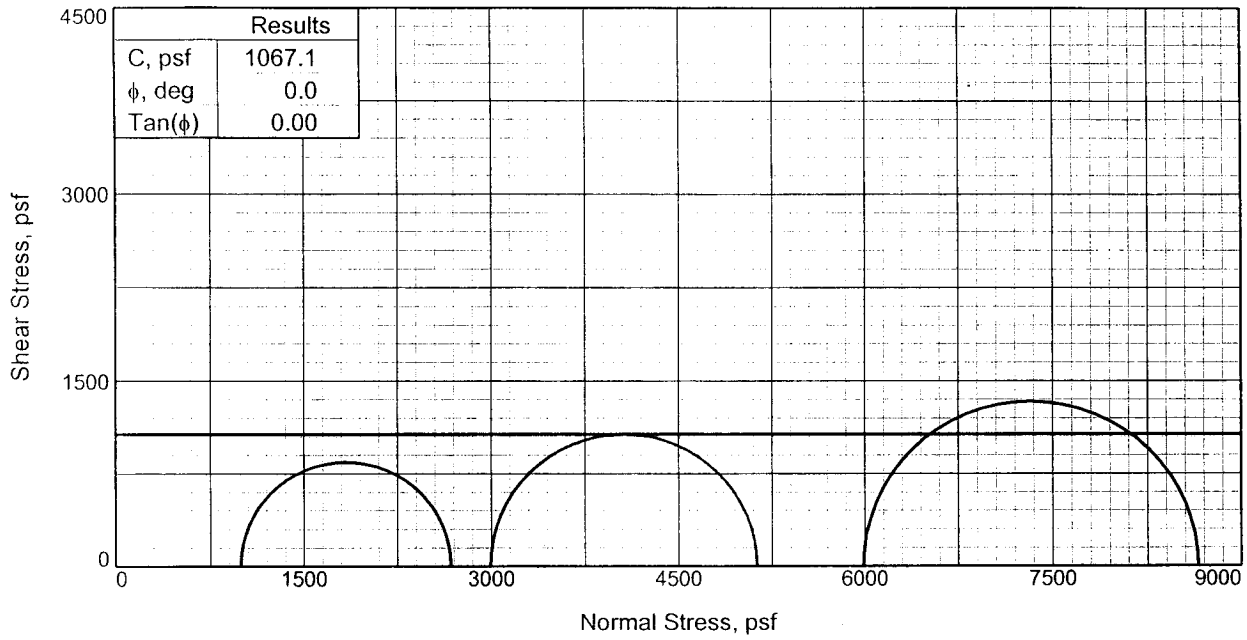
Fig. No.: ———

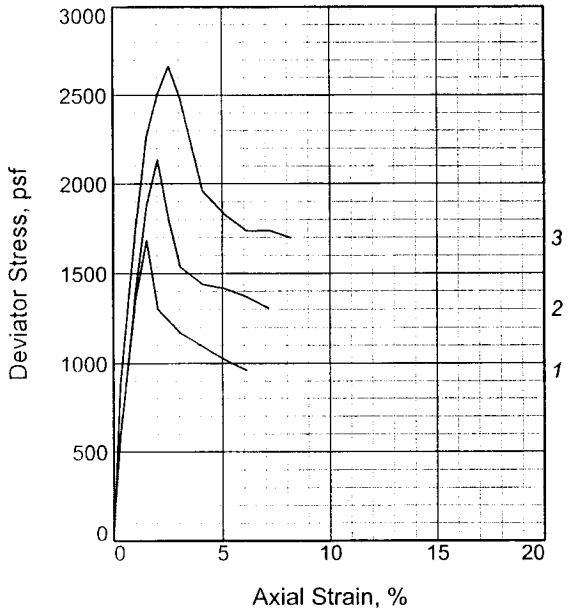
Client: U.S. Army Corps of Engineers

Project: Repairs to Levees and Floodwalls
at the 17th Street Canal
Location: Boring 7,
Sample 16-C, Depth 52.0', Elev -55.4

UNCONFINED COMPRESSION TEST

Eustis Engineering Company, Inc.





Specimen No.		1	2	3
Initial	Water Content,	54.2	56.5	51.7
	Dry Density, pcf	67.1	65.2	69.3
	Saturation,	96.2	95.8	96.8
	Void Ratio	1.5324	1.6049	1.4517
	Diameter, in.	1.388	1.388	1.388
	Height, in.	2.930	2.930	2.930
At Test	Water Content,	56.3	58.9	53.3
	Dry Density, pcf	67.1	65.2	69.3
	Saturation,	100.0	100.0	100.0
	Void Ratio	1.5311	1.6025	1.4487
	Diameter, in.	1.388	1.388	1.387
	Height, in.	2.929	2.929	2.929
Strain rate, in./min.		0.058	0.058	0.058
Back Pressure, psf		0.0	0.0	0.0
Cell Pressure, psf		993.6	2995.2	5990.4
Fail. Stress, psf		1684.4	2134.8	2663.3
Ult. Stress, psf		958.6	1304.0	1696.4
σ_1 Failure, psf		2678.0	5130.0	8653.7
σ_3 Failure, psf		993.6	2995.2	5990.4

Type of Test:
Unconsolidated Undrained
Sample Type: Undisturbed
Description: St Gr CH4 w/ ars SM, SL

LL= 70 **PL=** 24 **PI=** 46
Assumed Specific Gravity= 2.72
Remarks: Torvane = 0.350 tsf

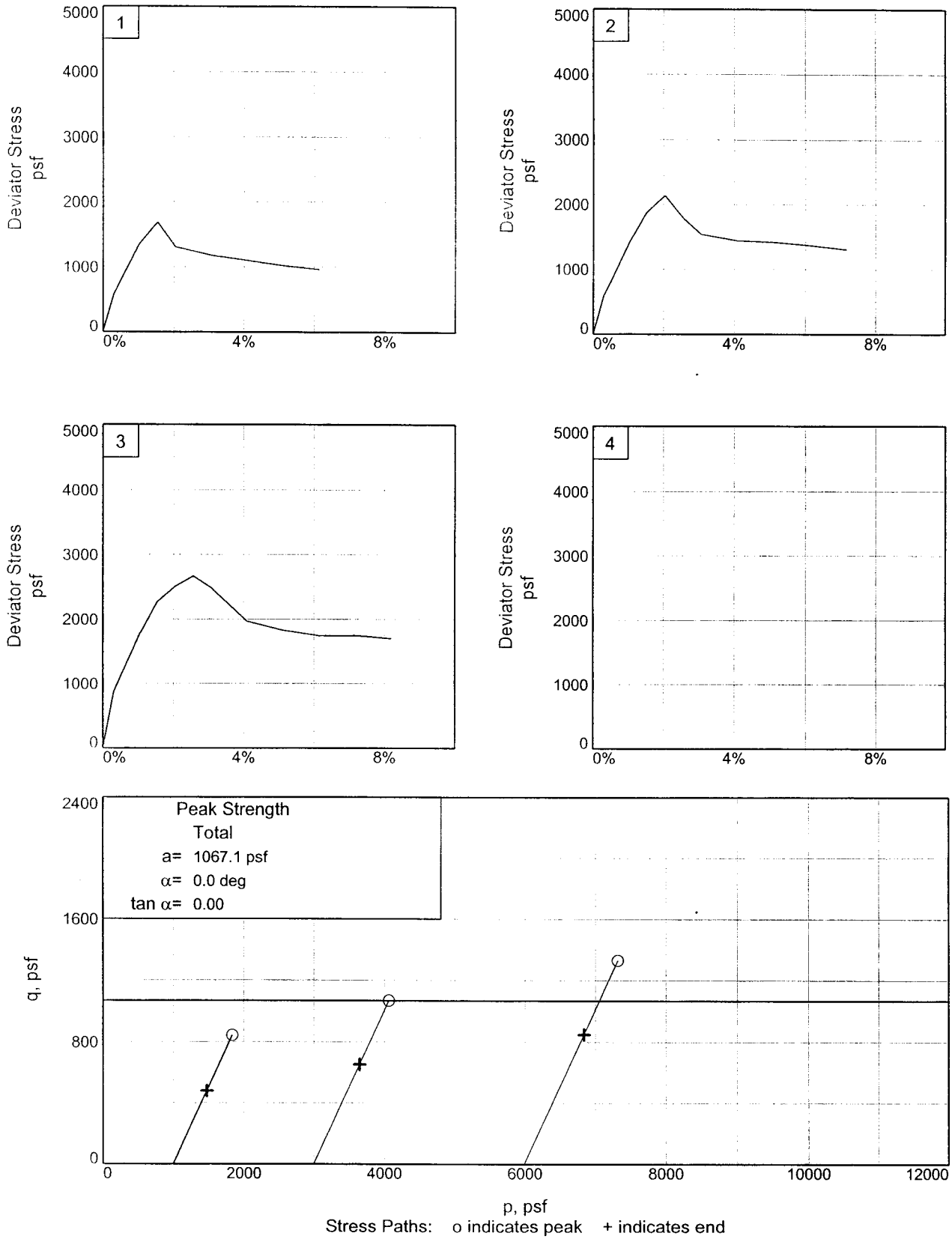
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-7 **Depth:** 54.8
Sample Number: 17B
Proj. No.: 19080 **Date:** 11-14-05

TRIAXIAL SHEAR TEST REPORT

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

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

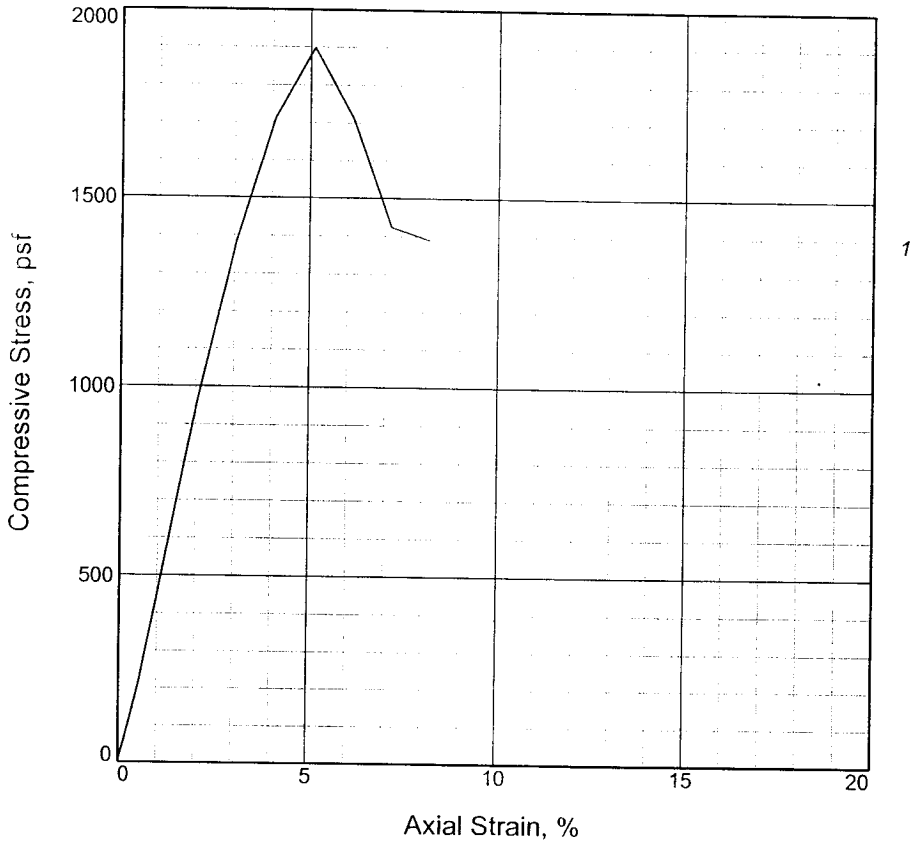


Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-7 **Depth:** 54.8 **Sample Number:** 17B
Project No.: 19080 **Figure** 2

EUSTIS ENGINEERING COMPANY, INC.

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

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	1897.7			
Undrained shear strength, psf	948.8			
Failure strain, %	5.1			
Strain rate, in./min.	0.059			
Water content, %	49.5			
Wet density, pcf	105.0			
Dry density, pcf	70.2			
Saturation, %	94.5			
Void ratio	1.4352			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: M Gr CH4 w/ SIF, SL

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

Project No.: 19080
Date: 11-14-05

Remarks:
Torvane = 0.280 tsf

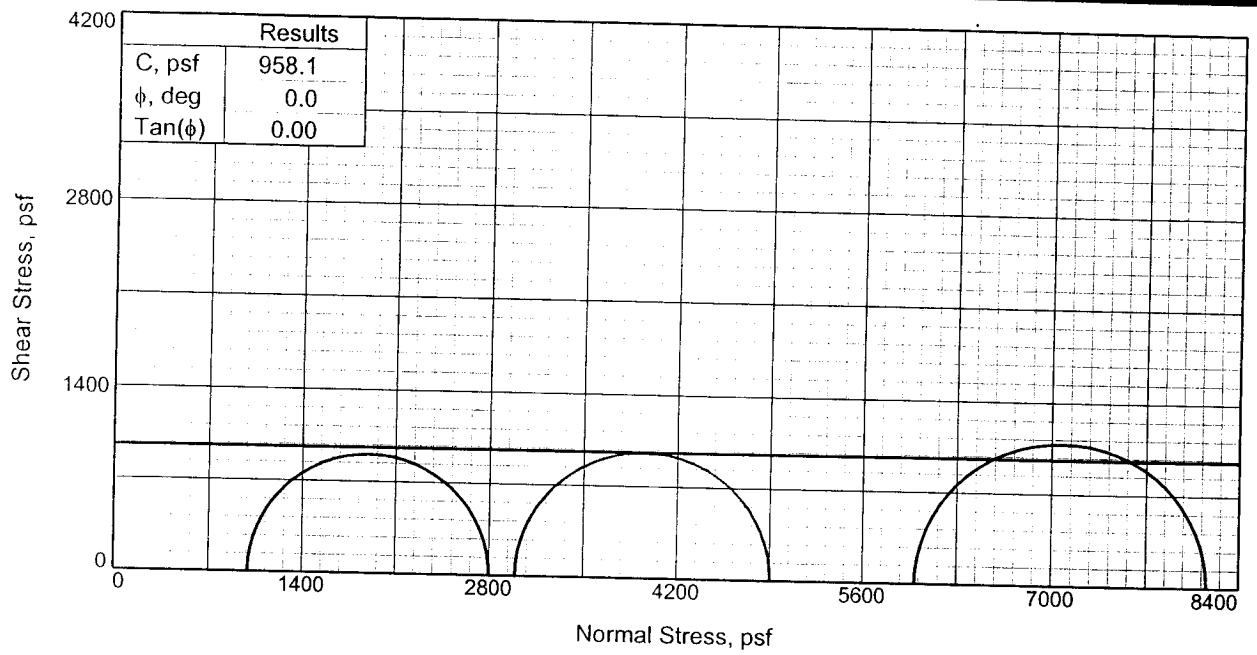
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-7 **Depth:** 58.8
Sample Number: 18B

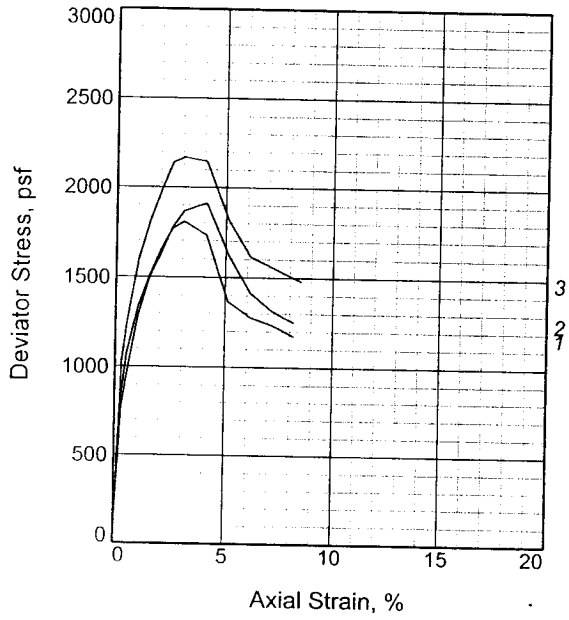
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

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





Specimen No.		1	2	3
Initial	Water Content,	62.2	58.2	64.7
	Dry Density, pcf	60.4	63.0	59.2
	Saturation,	93.1	93.0	93.9
	Void Ratio	1.8303	1.7146	1.8874
	Diameter, in.	1.388	1.388	1.388
	Height, in.	2.930	2.930	2.930
At Test	Water Content,	66.7	62.5	68.9
	Dry Density, pcf	60.5	63.1	59.2
	Saturation,	100.0	100.0	100.0
	Void Ratio	1.8269	1.7116	1.8874
	Diameter, in.	1.387	1.387	1.388
	Height, in.	2.929	2.929	2.930
Strain rate, in./min.		0.058	0.058	0.058
Back Pressure, psf		0.0	0.0	0.0
Cell Pressure, psf		993.6	2995.2	5990.4
Fail. Stress, psf		1807.5	1910.8	2168.9
Ult. Stress, psf		1172.6	1250.7	1478.6
σ_1 Failure, psf		2801.1	4906.0	8159.3
σ_3 Failure, psf		993.6	2995.2	5990.4

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

LL= 83 **PL=** 19 **PI=** 64
Assumed Specific Gravity= 2.74
Remarks: Torvane = 0.300 tsf

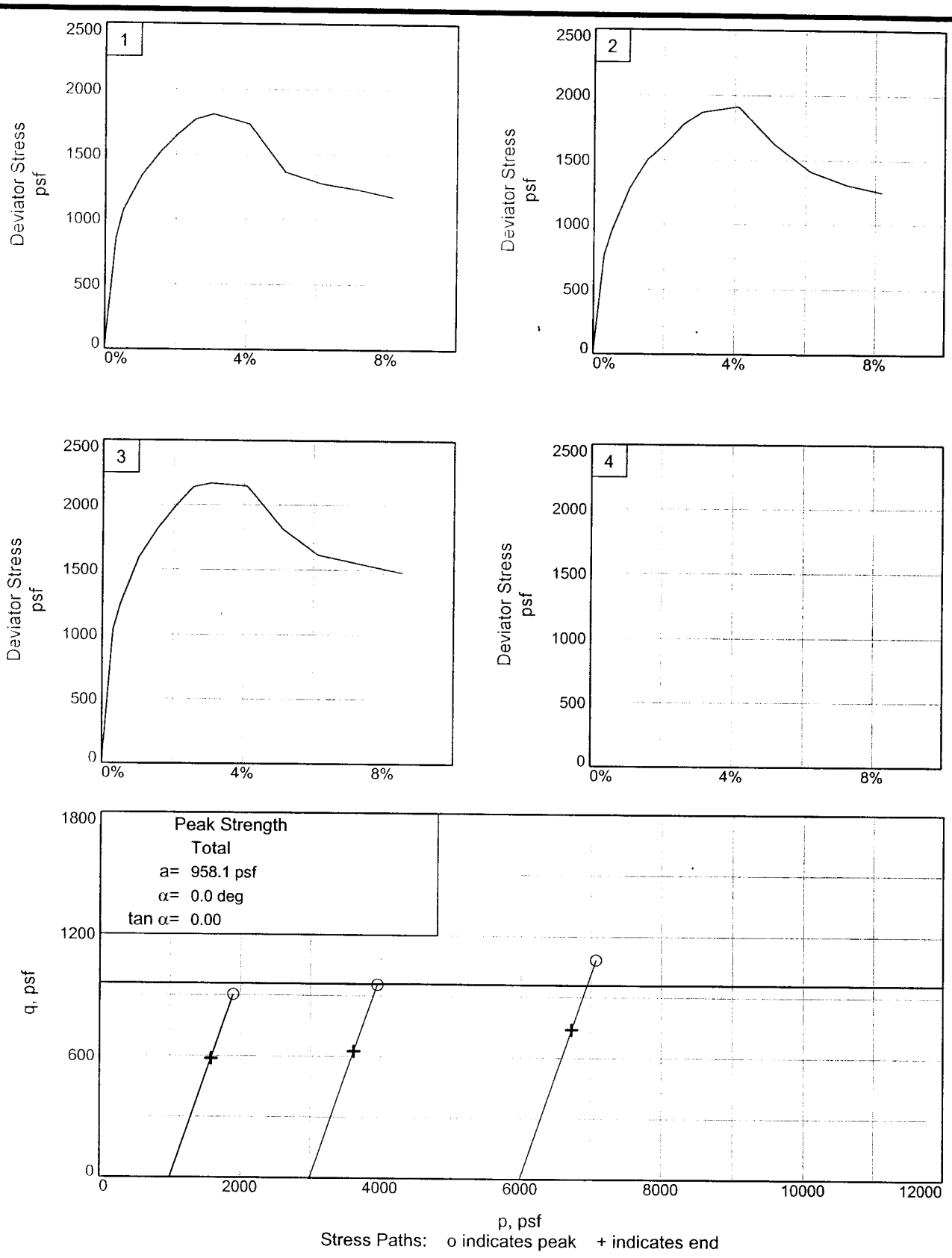
Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-7 **Depth:** 62.8
Sample Number: 19B
Proj. No.: 19080 **Date:** 11-14-05

TRIAXIAL SHEAR TEST REPORT

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

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

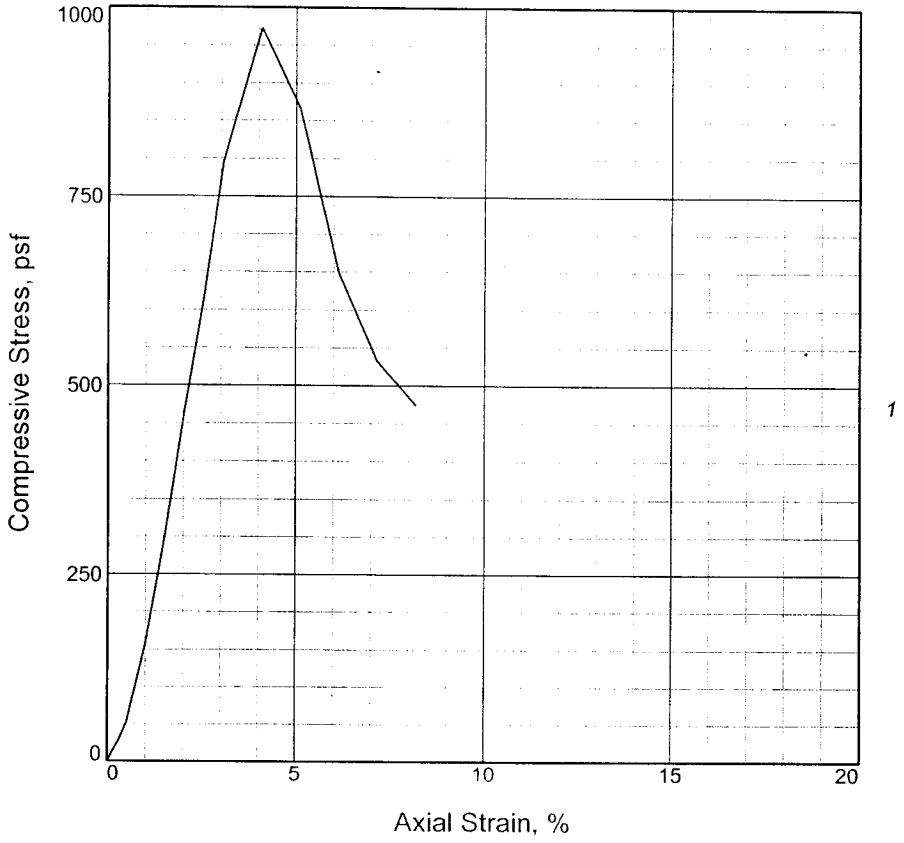


Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-7 **Depth:** 62.8 **Sample Number:** 19B
Project No.: 19080 **Figure** 2

EUSTIS ENGINEERING COMPANY, INC.

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

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	972.8			
Undrained shear strength, psf	486.4			
Failure strain, %	4.1			
Strain rate, in./min.	0.059			
Water content, %	29.8			
Wet density, pcf	117.0			
Dry density, pcf	90.2			
Saturation, %	93.7			
Void ratio	0.8480			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: So Gr & T CL4

LL =	PL =	PI =	**Assumed GS=** 2.67	**Type:** Undisturbed

Project No.: 19080
Date: 11-14-05
Remarks:

Client: LINFIELD, HUNTER & JUNIUS, INC., METAIRIE, LOUISIANA
Project: USACE - REPAIRS TO LEVEES AND FLOODWALLS AT THE 17TH STREET CANAL
Source of Sample: B-7 **Depth:** 66.8
Sample Number: 20B

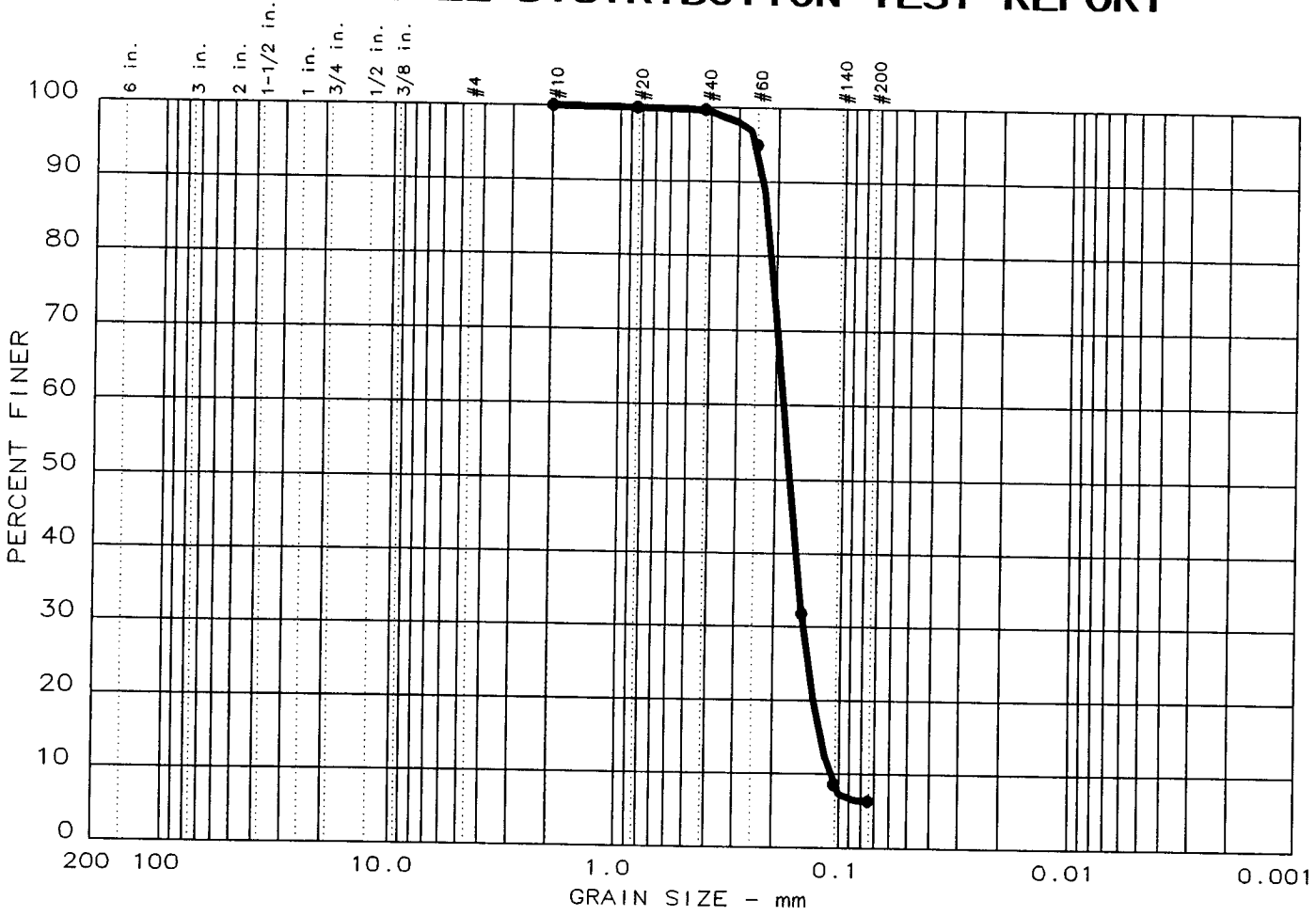
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

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

PARTICLE SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
●	0.0	0.0	93.7	6.3		SP		

SIEVE inches size	PERCENT FINER ●		
GRAIN SIZE			
D_{60}	0.18		
D_{30}	0.15		
D_{10}	0.11		
COEFFICIENTS			
C_c	1.08		
C_u	1.7		

SIEVE number size	PERCENT FINER ●
10	100.0
20	99.8
40	99.7
60	95.0
100	31.7
140	8.6
200	6.3

Sample information:
● Boring 7, Sample 10
GR SP W/ ARS CH

Remarks:
Sample depth 31.0'

Eustis Engineering Company, Inc.

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

Date: 11-16-05 Data Sheet No. ____