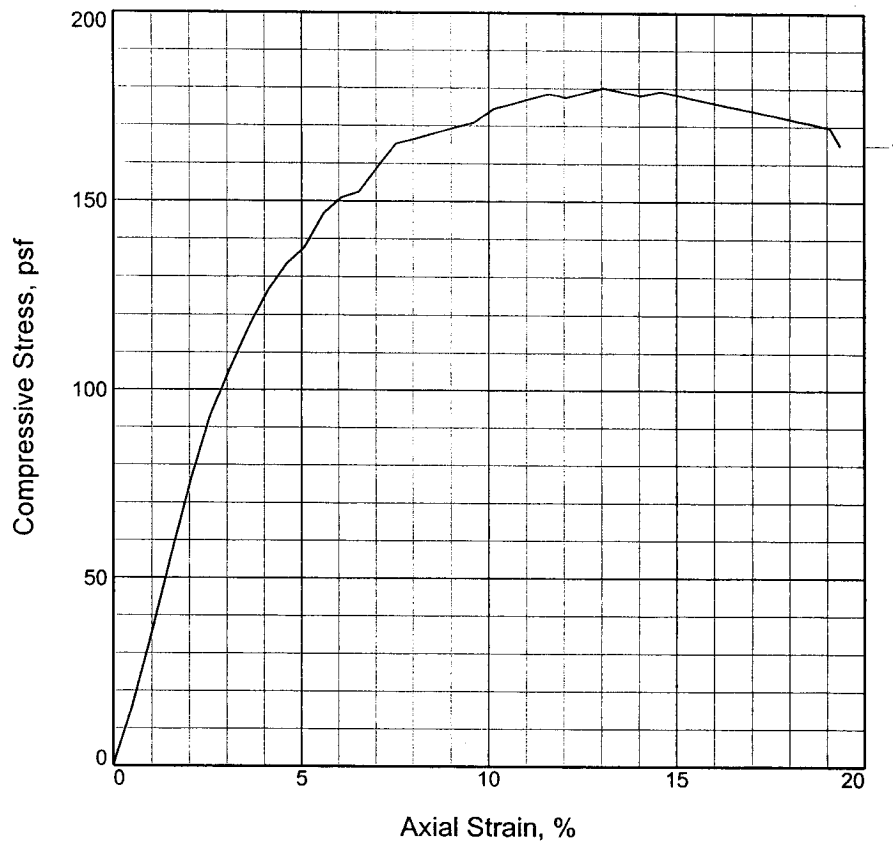


UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	180.1			
Undrained shear strength, psf	90.0			
Failure strain, %	13.1			
Strain rate, in./min.	0.058			
Water content, %	70.2			
Wet density, pcf	92.7			
Dry density, pcf	54.5			
Saturation, %	89.8			
Void ratio	2.1412			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: VSO GR & DGR CH3 W/ TR-WD, LNS ML

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

Project No.: 19082
Date: 10-20-05
Remarks:
 TORVANE = 0.140 TSF

Client: URS Corporation
Project: U.S. Army Corps of Engineers
 Inner Harbor Navigational Canal
Source of Sample: B-3G **Depth:** 5.0
Sample Number: 3

UNCONFINED COMPRESSION TEST

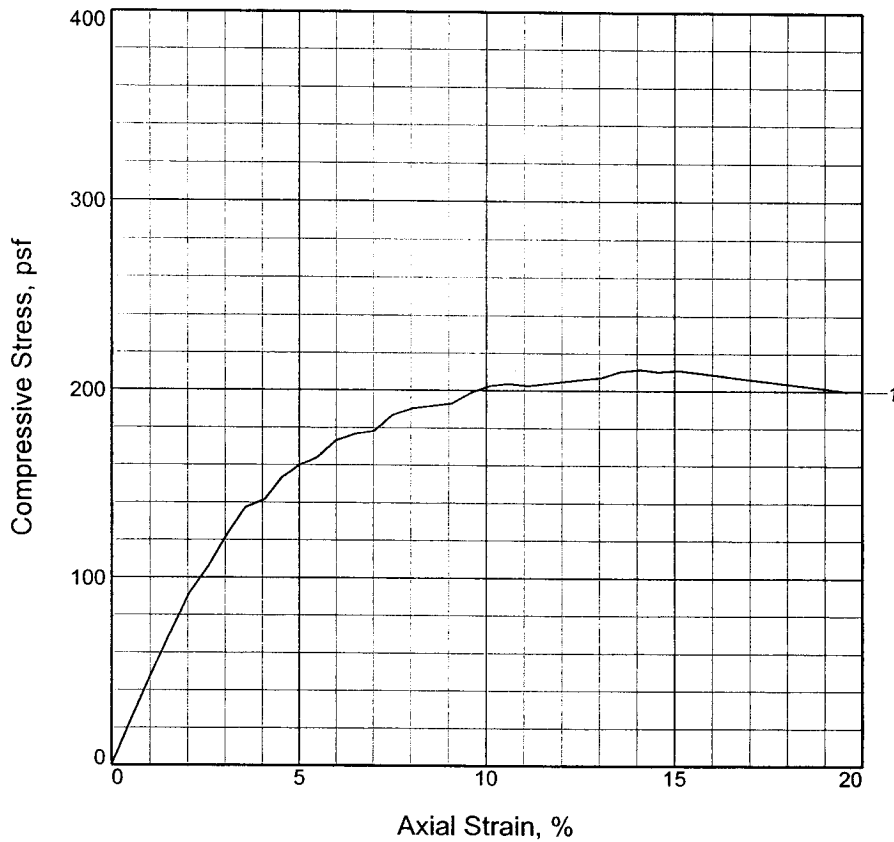
EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: LWR

Checked By: JS

UNCONFINED COMPRESSION TEST



Specimen No.	1		
Unconfined strength, psf	203.7		
Undrained shear strength, psf	101.9		
Failure strain, %	10.6		
Strain rate, in./min.	0.057		
Water content, %	90.9		
Wet density, pcf	83.9		
Dry density, pcf	43.9		
Saturation, %	86.5		
Void ratio	2.8372		
Specimen diameter, in.	1.388		
Specimen height, in.	2.930		
Height/diameter ratio	2.11		

Description: VSO GR & DGR CHOA W/ WD, ARS ML

LL =	PL =	PI =	Assumed GS= 2.7	Type: UNDISTURBED
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Project No.: 19082

Date: 10-20-05

Remarks:

Client: URS Corporation

Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal

Source of Sample: B-3G **Depth:** 10.0

Sample Number: 5

UNCONFINED COMPRESSION TEST

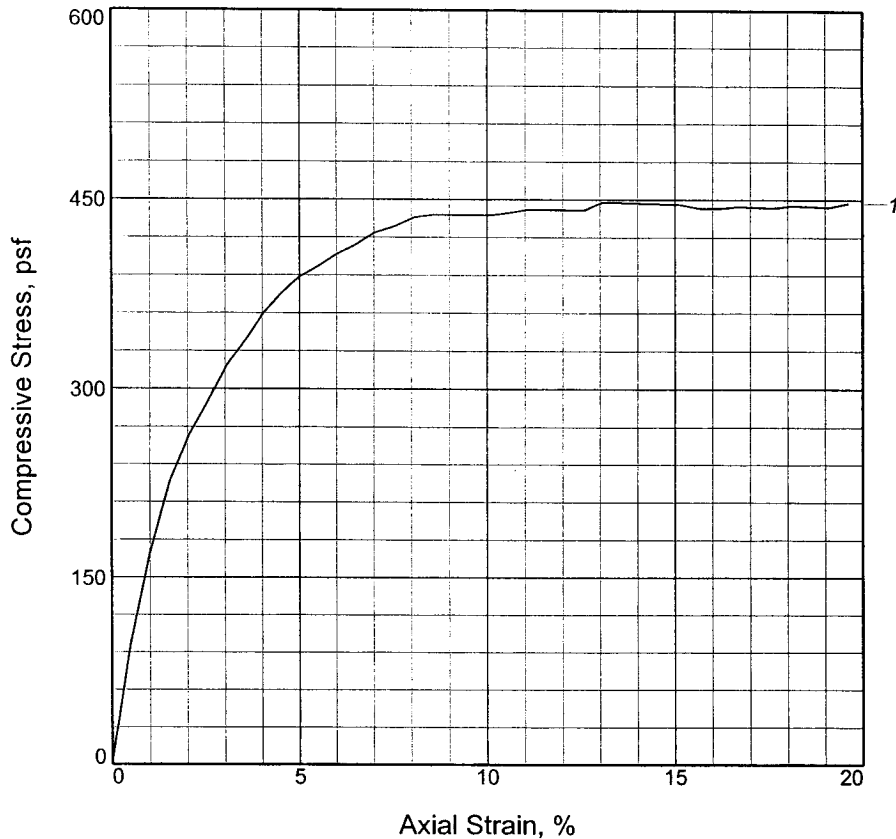
EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: LWR

Checked By: JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	437.7			
Undrained shear strength, psf	218.9			
Failure strain, %	8.6			
Strain rate, in./min.	0.058			
Water content, %	58.7			
Wet density, pcf	100.0			
Dry density, pcf	63.0			
Saturation, %	93.8			
Void ratio	1.7154			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: VSO GR CH4 W/ LNS SM

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

Project No.: 19082
Date: 10-20-05
Remarks:
 TORVANE = 0.200 TSF

Client: URS Corporation
Project: U.S. Army Corps of Engineers
 Inner Harbor Navigational Canal
Source of Sample: B-3G **Depth:** 16.5
Sample Number: 8

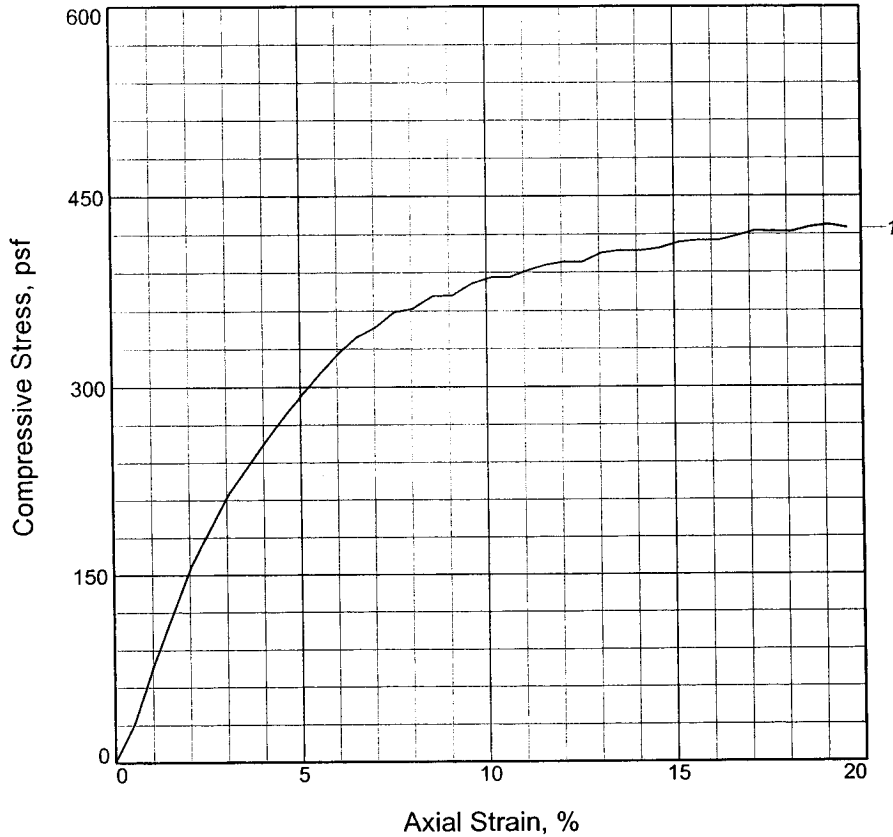
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: LWR Checked By: JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	427.0			
Undrained shear strength, psf	213.5			
Failure strain, %	19.1			
Strain rate, in./min.	0.058			
Water content, %	50.6			
Wet density, pcf	104.1			
Dry density, pcf	69.1			
Saturation, %	94.1			
Void ratio	1.4744			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: VSO GR CH4 W/ LYS CL

LL =	PL =	PI =	Assumed GS= 2.74	Type: UNDISTURBED
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Project No.: 19082
Date: 10-20-05
Remarks:

Figure 1

Client: URS Corporation

Project: U.S. Army Corps of Engineers
 Inner Harbor Navigational Canal

Source of Sample: B-3G **Depth:** 17.5

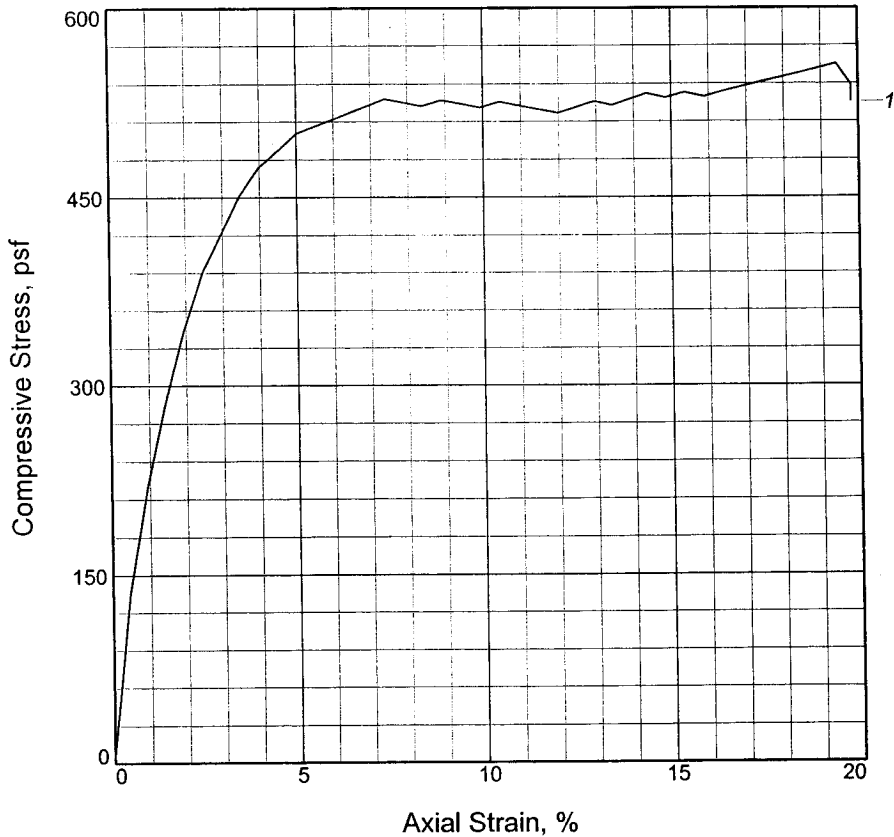
Sample Number: 9

UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

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

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	527.8			
Undrained shear strength, psf	263.9			
Failure strain, %	7.4			
Strain rate, in./min.	0.057			
Water content, %	44.5			
Wet density, pcf	106.9			
Dry density, pcf	74.0			
Saturation, %	93.0			
Void ratio	1.3124			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: SO GR CH4 W/ LNS ML

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

Project No.: 19082
Date: 10-20-05
Remarks:
 TORVANE = 0.300 TSF

Client: URS Corporation
Project: U.S. Army Corps of Engineers
 Inner Harbor Navigational Canal
Source of Sample: B-3G **Depth:** 22.5
Sample Number: 11

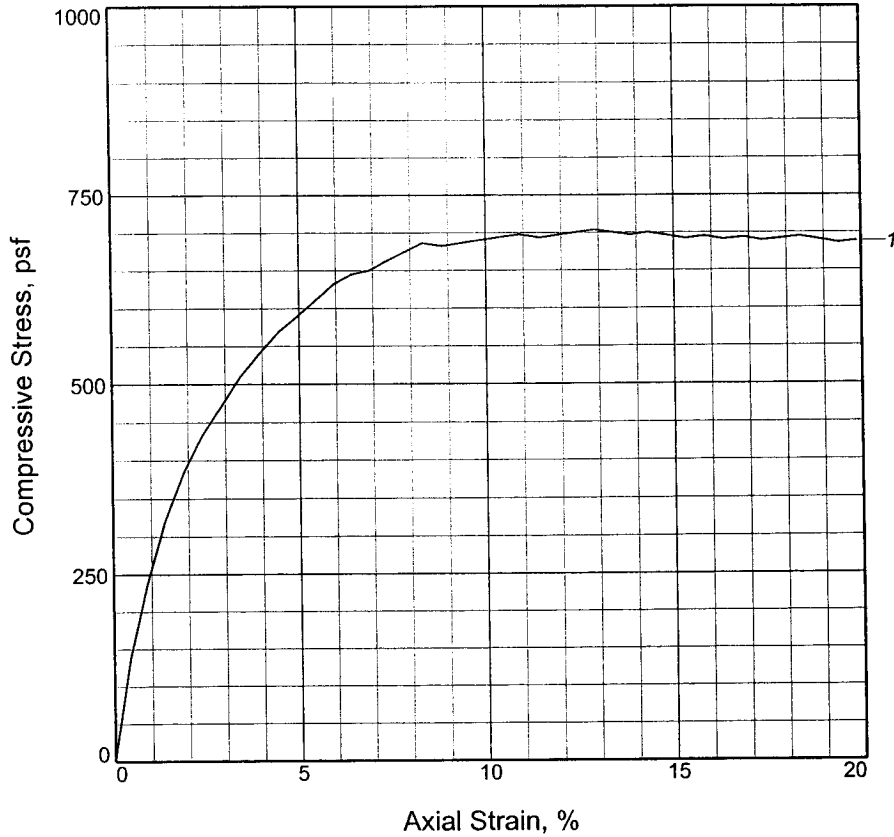
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: LWR Checked By: JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	686.3			
Undrained shear strength, psf	343.2			
Failure strain, %	8.3			
Strain rate, in./min.	0.056			
Water content, %	50.5			
Wet density, pcf	103.8			
Dry density, pcf	68.9			
Saturation, %	93.5			
Void ratio	1.4818			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: SO GR CH4 W/ LNS SM

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

Project No.: 19082
Date: 10-20-05
Remarks:
 TORVANE = 0.270 TSF

Client: URS Corporation
Project: U.S. Army Corps of Engineers
 Inner Harbor Navigational Canal
Source of Sample: B-3G **Depth:** 27.5
Sample Number: 13

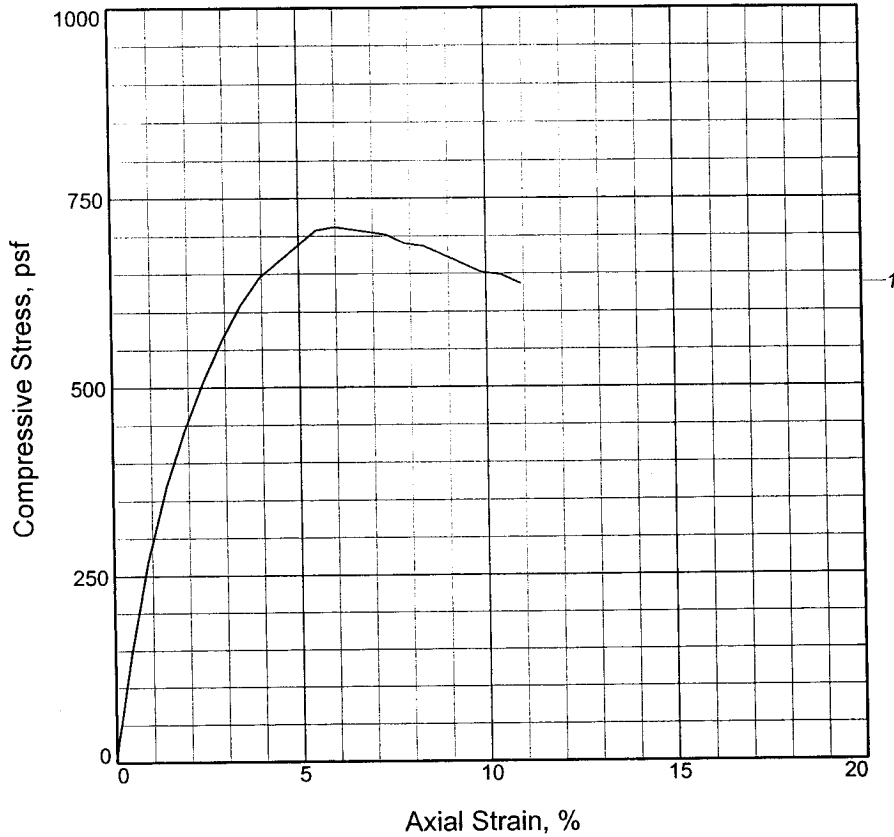
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: LWR Checked By: JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	711.9			
Undrained shear strength, psf	355.9			
Failure strain, %	6.0			
Strain rate, in./min.	0.057			
Water content, %	66.6			
Wet density, pcf	96.0			
Dry density, pcf	57.7			
Saturation, %	92.7			
Void ratio	1.9669			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: SO GR CH4 W/ SL

LL =	PL =	PI =	Assumed GS= 2.74	Type: UNDISTURBED
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Project No.: 19082
Date: 10-20-05
Remarks:
 TORVANE = 0.220 TSF

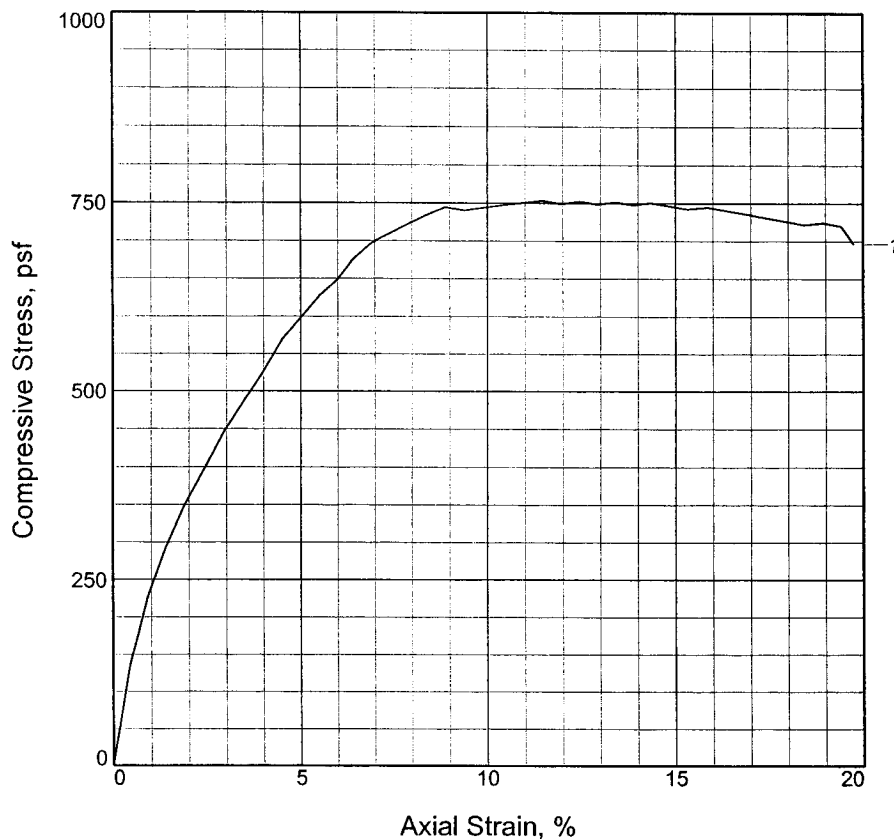
Figure 1

Client: URS Corporation
Project: U.S. Army Corps of Engineers
 Inner Harbor Navigational Canal
Source of Sample: B-3G **Depth:** 32.5
Sample Number: 15

UNCONFINED COMPRESSION TEST
EUSTIS ENGINEERING COMPANY, INC.

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

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	744.2			
Undrained shear strength, psf	372.1			
Failure strain, %	8.9			
Strain rate, in./min.	0.058			
Water content, %	63.2			
Wet density, pcf	97.3			
Dry density, pcf	59.6			
Saturation, %	92.7			
Void ratio	1.8687			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: SO GR CH4 W/ SL

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

Project No.: 19082

Date: 10-20-05

Remarks:

TORVANE = 0.250 TSF

Client: URS Corporation

Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal

Source of Sample: B-3G **Depth:** 37.5

Sample Number: 17

UNCONFINED COMPRESSION TEST

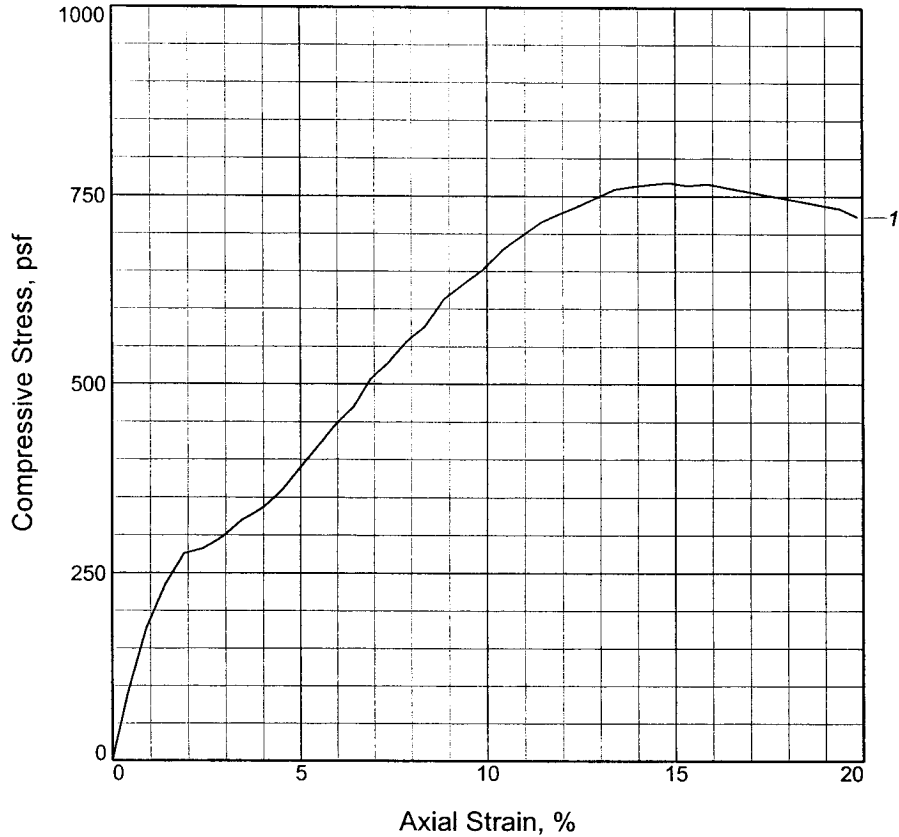
EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: LWR

Checked By: JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	768.1			
Undrained shear strength, psf	384.1			
Failure strain, %	14.8			
Strain rate, in./min.	0.057			
Water content, %	67.9			
Wet density, pcf	95.8			
Dry density, pcf	57.1			
Saturation, %	93.2			
Void ratio	1.9962			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: SO GR CH4 W/ LYS SM, SL

LL =	PL =	PI =	Assumed GS= 2.74	Type: UNDISTURBED
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Project No.: 19082
Date: 10-20-05
Remarks:
 TORVANE = 0.200 TSF

Figure 1

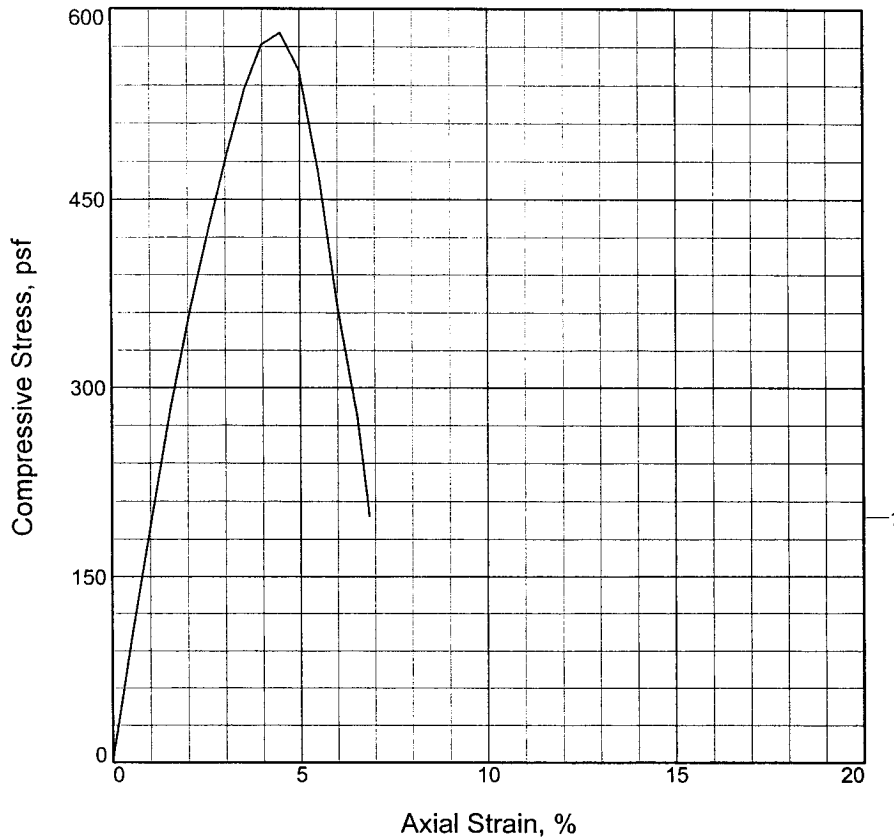
Client: URS Corporation
Project: U.S. Army Corps of Engineers
 Inner Harbor Navigational Canal
Source of Sample: B-3G **Depth:** 42.5
Sample Number: 19

UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

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

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	581.0			
Undrained shear strength, psf	290.5			
Failure strain, %	4.5			
Strain rate, in./min.	0.056			
Water content, %	42.9			
Wet density, pcf	104.1			
Dry density, pcf	72.8			
Saturation, %	87.1			
Void ratio	1.3492			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: SO GR CH3 W/ LYS SM, SIF

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

Project No.: 19082

Date: 10-20-05

Remarks:

Client: URS Corporation

Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal

Source of Sample: B-3G **Depth:** 47.5

Sample Number: 21

UNCONFINED COMPRESSION TEST

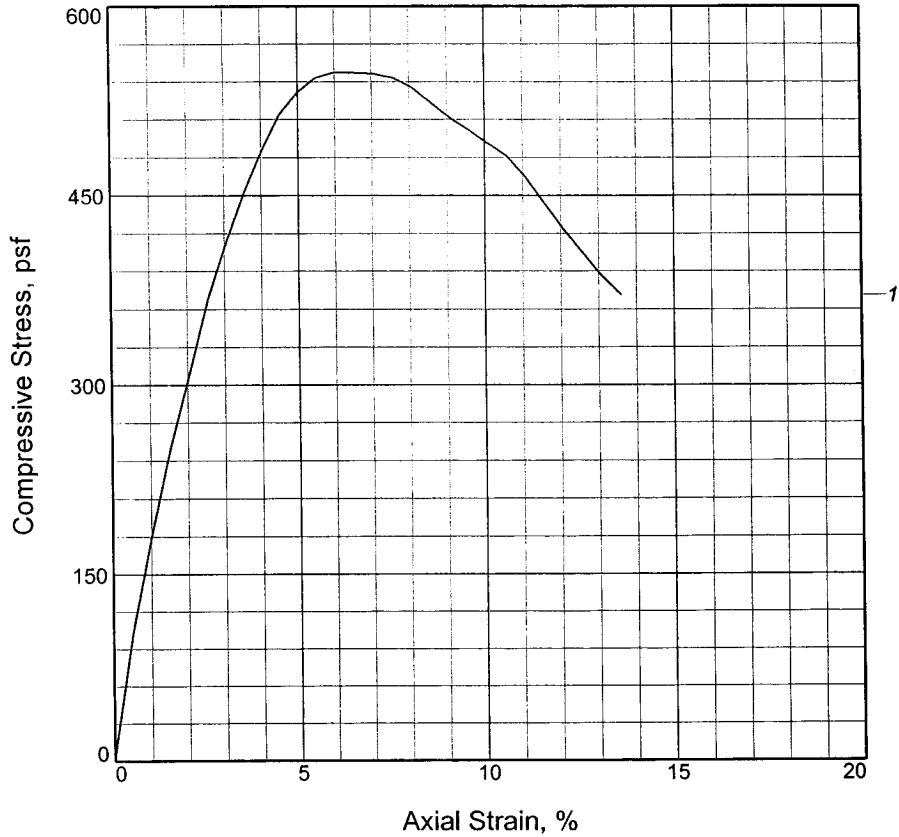
EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: LWR

Checked By: JS

UNCONFINED COMPRESSION TEST



Specimen No.	1		
Unconfined strength, psf	547.4		
Undrained shear strength, psf	273.7		
Failure strain, %	6.0		
Strain rate, in./min.	0.058		
Water content, %	28.2		
Wet density, pcf	115.4		
Dry density, pcf	90.0		
Saturation, %	87.2		
Void ratio	0.8731		
Specimen diameter, in.	1.388		
Specimen height, in.	2.930		
Height/diameter ratio	2.11		

Description: SO GR CL5 W/ SIF

LL = PL = PI = Assumed GS= 2.7 Type: UNDISTURBED

Project No.: 19082

Date: 10-20-05

Remarks:

TORVANE = 0.300 TSF

Client: URS Corporation

Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal

Source of Sample: B-3G **Depth:** 52.5

Sample Number: 23

UNCONFINED COMPRESSION TEST

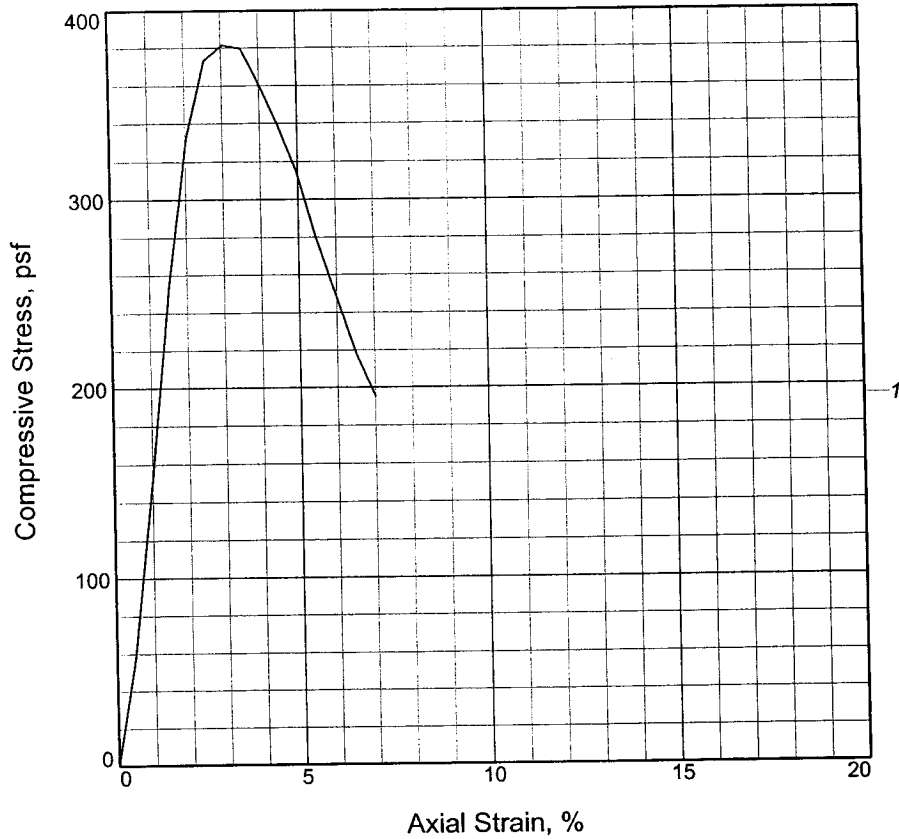
EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: LWR

Checked By: JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	381.5			
Undrained shear strength, psf	190.7			
Failure strain, %	3.1			
Strain rate, in./min.	0.057			
Water content, %	23.4			
Wet density, pcf	119.6			
Dry density, pcf	97.0			
Saturation, %	85.5			
Void ratio	0.7385			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

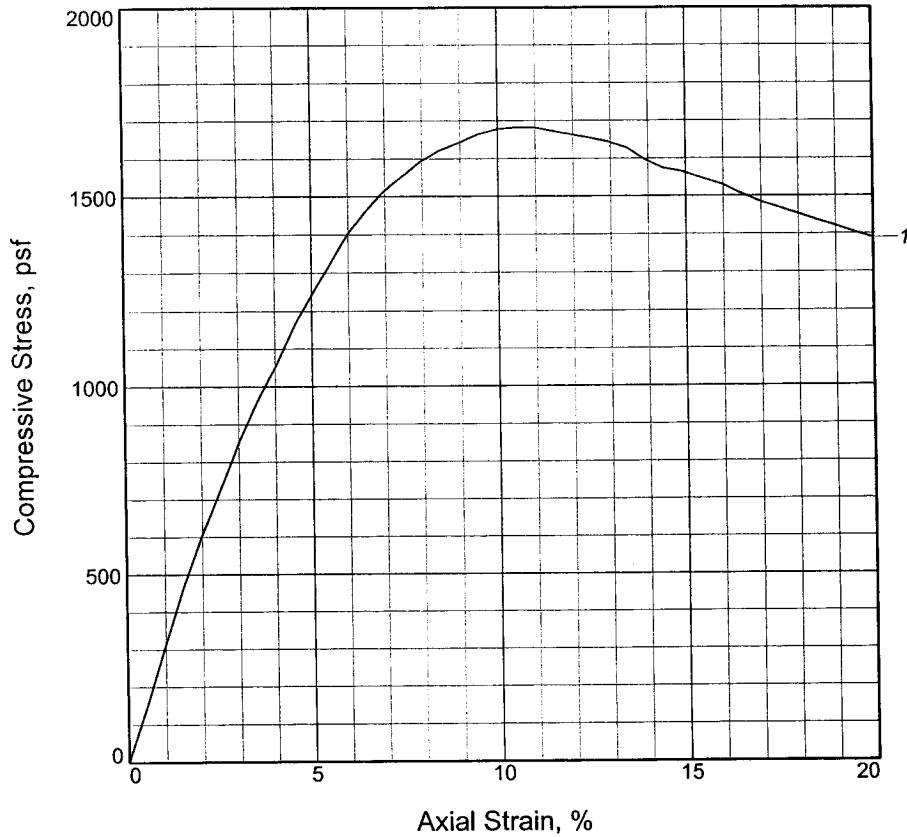
Description: VSO GR CL3 W/ LYS CH
LL = **PL =** **PI =** **Assumed GS= 2.7** **Type: UNDISTURBED**

<p>Project No.: 19082 Date: 10-20-05 Remarks:</p>	<p>Client: URS Corporation Project: U.S. Army Corps of Engineers Inner Harbor Navigational Canal Source of Sample: B-3G Depth: 55.0 Sample Number: 24</p>
<p>UNCONFINED COMPRESSION TEST</p> <p>EUSTIS ENGINEERING COMPANY, INC.</p>	

Figure 1

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

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	1682.5			
Undrained shear strength, psf	841.3			
Failure strain, %	10.5			
Strain rate, in./min.	0.057			
Water content, %	22.7			
Wet density, pcf	124.1			
Dry density, pcf	101.1			
Saturation, %	92.0			
Void ratio	0.6668			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: M LGR CL6 W/ RT

LL = PL = PI = Assumed GS= 2.7 Type: UNDISTURBED

Project No.: 19082
Date: 10-20-05
Remarks:
 TORVANE = 0.520 TSF

Client: URS Corporation
Project: U.S. Army Corps of Engineers
 Inner Harbor Navigational Canal
Source of Sample: B-3G **Depth:** 65.0
Sample Number: 28

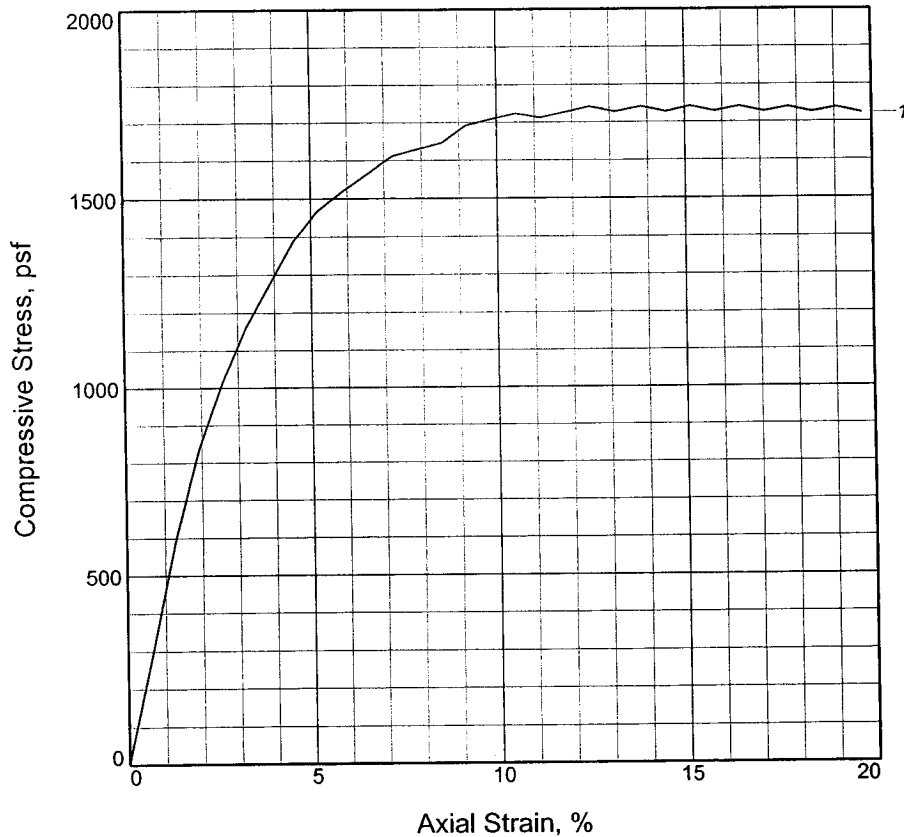
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: LWR Checked By: JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	1723.6			
Undrained shear strength, psf	861.8			
Failure strain, %	10.5			
Strain rate, in./min.	0.057			
Water content, %	20.9			
Wet density, pcf	127.0			
Dry density, pcf	105.0			
Saturation, %	93.4			
Void ratio	0.6047			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: M LGR CL6

LL =	PL =	PI =	Assumed GS= 2.7	Type: UNDISTURBED
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Project No.: 19082

Date: 10-20-05

Remarks:

TORVANE = 0.925 TSF

Client: URS Corporation

Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal

Source of Sample: B-3G **Depth:** 67.5

Sample Number: 29

UNCONFINED COMPRESSION TEST

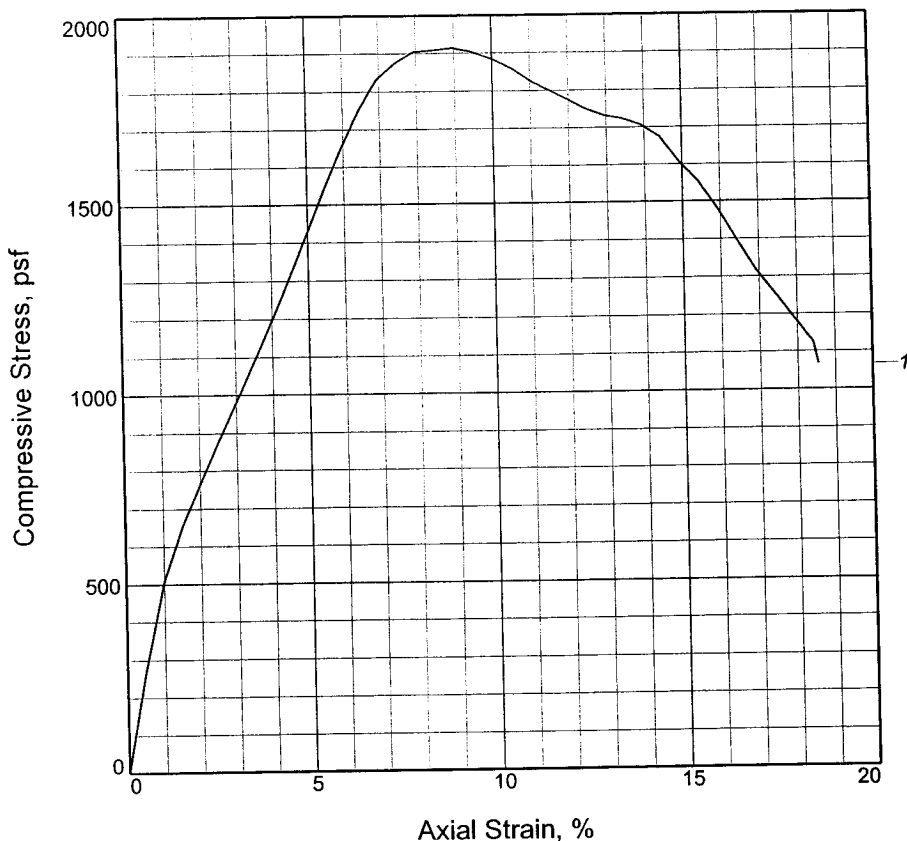
EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: LWR

Checked By: JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	1913.2			
Undrained shear strength, psf	956.6			
Failure strain, %	9.0			
Strain rate, in./min.	0.058			
Water content, %	39.2			
Wet density, pcf	111.5			
Dry density, pcf	80.1			
Saturation, %	94.5			
Void ratio	1.1354			
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.: 19082
Date: 10-20-05
Remarks:
 TORVANE = 0.430 TSF

Client: URS Corporation
Project: U.S. Army Corps of Engineers
 Inner Harbor Navigational Canal
Source of Sample: B-3G **Depth:** 76.5
Sample Number: 33

UNCONFINED COMPRESSION TEST

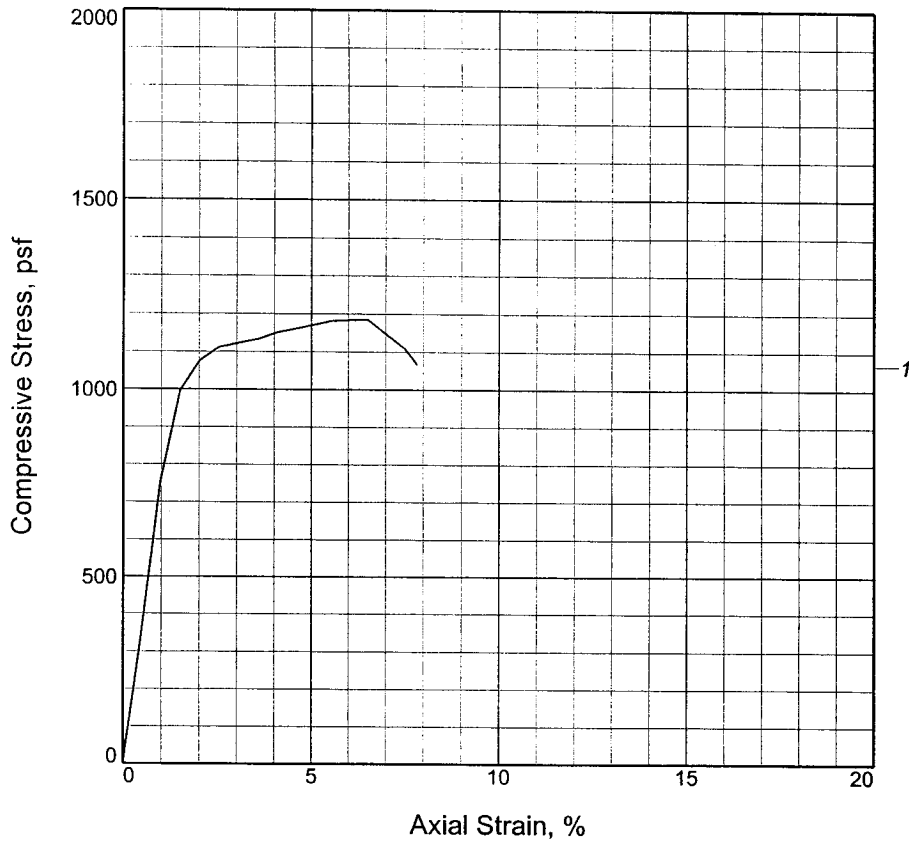
EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: LWR

Checked By: JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	1185.1			
Undrained shear strength, psf	592.5			
Failure strain, %	6.5			
Strain rate, in./min.	0.057			
Water content, %	56.5			
Wet density, pcf	103.5			
Dry density, pcf	66.1			
Saturation, %	98.5			
Void ratio	1.5493			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: M GR CH4 W/ LNS & LYS ML, SL

LL = PL = PI = Assumed GS= 2.7 Type: UNDISTURBED

Project No.: 19082
Date: 10-20-05
Remarks:
 TORVANE = 0.370 TSF

Client: URS Corporation
Project: U.S. Army Corps of Engineers
 Inner Harbor Navigational Canal
Source of Sample: B-3G **Depth:** 82.5
Sample Number: 36

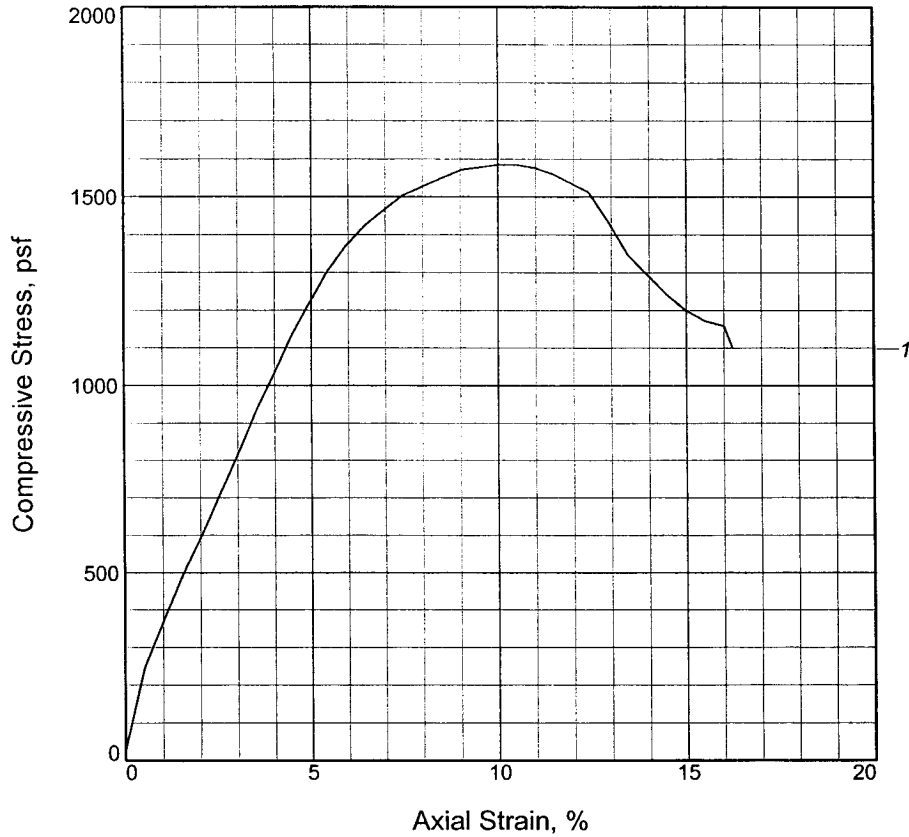
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: LWR Checked By: JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	1584.3			
Undrained shear strength, psf	792.1			
Failure strain, %	10.0			
Strain rate, in./min.	0.057			
Water content, %	26.4			
Wet density, pcf	119.7			
Dry density, pcf	94.7			
Saturation, %	92.8			
Void ratio	0.7604			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: M GR CL4 W/ LNS CH

LL = PL = PI = Assumed GS= 2.67 Type: UNDISTURBED

Project No.: 19082
Date: 10-20-05
Remarks:
 TORVANE = 0.350 TSF

Client: URS Corporation
Project: U.S. Army Corps of Engineers
 Inner Harbor Navigational Canal
Source of Sample: B-3G **Depth:** 87.5
Sample Number: 38

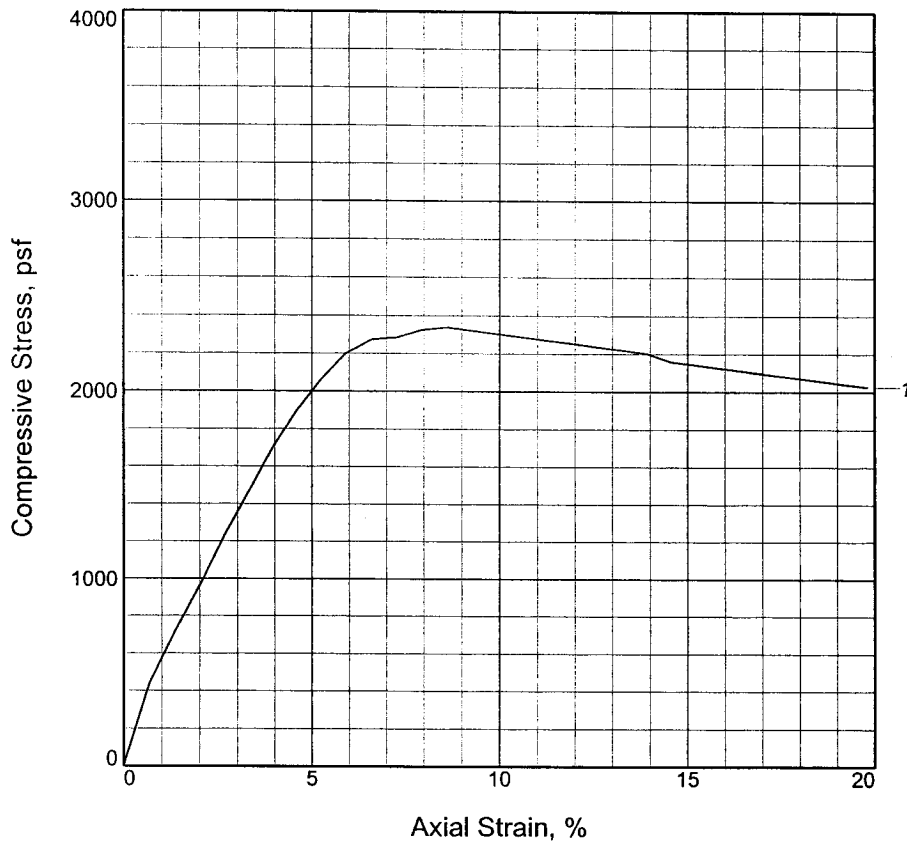
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: LWR Checked By: JS

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	2337.3			
Undrained shear strength, psf	1168.7			
Failure strain, %	8.6			
Strain rate, in./min.	0.056			
Water content, %	36.5			
Wet density, pcf	113.9			
Dry density, pcf	83.4			
Saturation, %	95.2			
Void ratio	1.0508			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: ST GR CH4 W/ SL, LNS ML

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

Project No.: 19082
Date: 10-20-05
Remarks:
 TORVANE = 0.460 TSF

Client: URS Corporation
Project: U.S. Army Corps of Engineers
 Inner Harbor Navigational Canal
Source of Sample: B-3G **Depth:** 95.0
Sample Number: 41

UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: LWR Checked By: JS