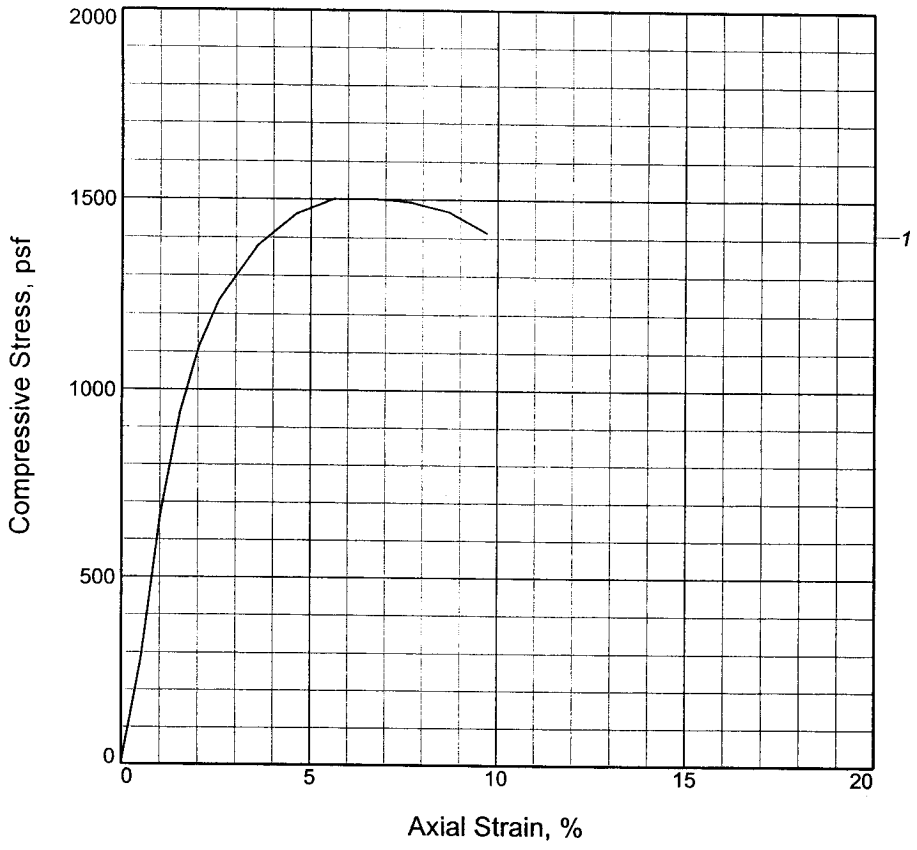
UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	1501.4			
Undrained shear strength, psf	750.7			
Failure strain, %	5.6			
Strain rate, in./min.	0.057			
Water content, %	49.4			
Wet density, pcf	104.3			
Dry density, pcf	69.8			
Saturation, %	93.8			
Void ratio	1.4317			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: M GR & T CH4 W/ ARS SM, CC

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

Project No.: 19082
Date: 10-29-05

Remarks:
TORVANE = 0.550 TSF

Client: URS Corporation

Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 2.5
Sample Number: 2

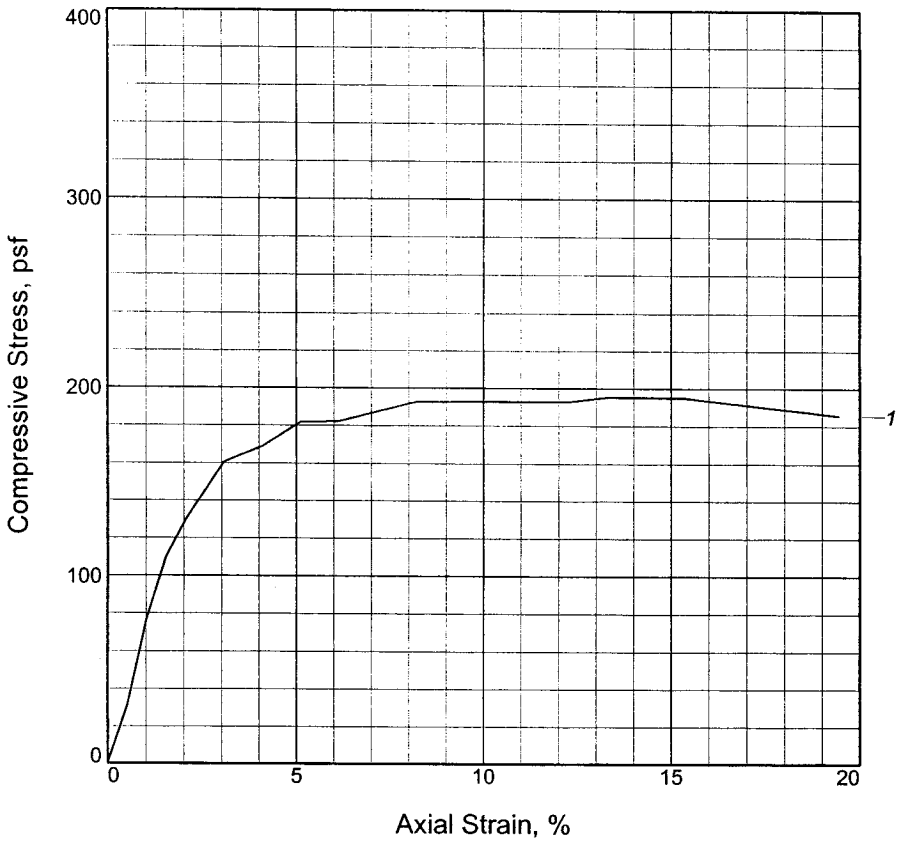
UNCONFINED COMPRESSION TEST

Figure 1

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH **Checked By:** RNE

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	193.0			
Undrained shear strength, psf	96.5			
Failure strain, %	11.3			
Strain rate, in./min.	0.572			
Water content, %	125.5			
Wet density, pcf	82.5			
Dry density, pcf	36.6			
Saturation, %	95.5			
Void ratio	3.3489			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: VSO DGR & GR CHOA W/ RT

LL =	PL =	PI =	**Assumed GS=** 2.55	**Type:** UNDISTURBED

Project No.: 19082
Date: 10-29-05

Remarks:
TORVANE = 0.110 TSF

Client: URS Corporation

Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 7.5
Sample Number: 4

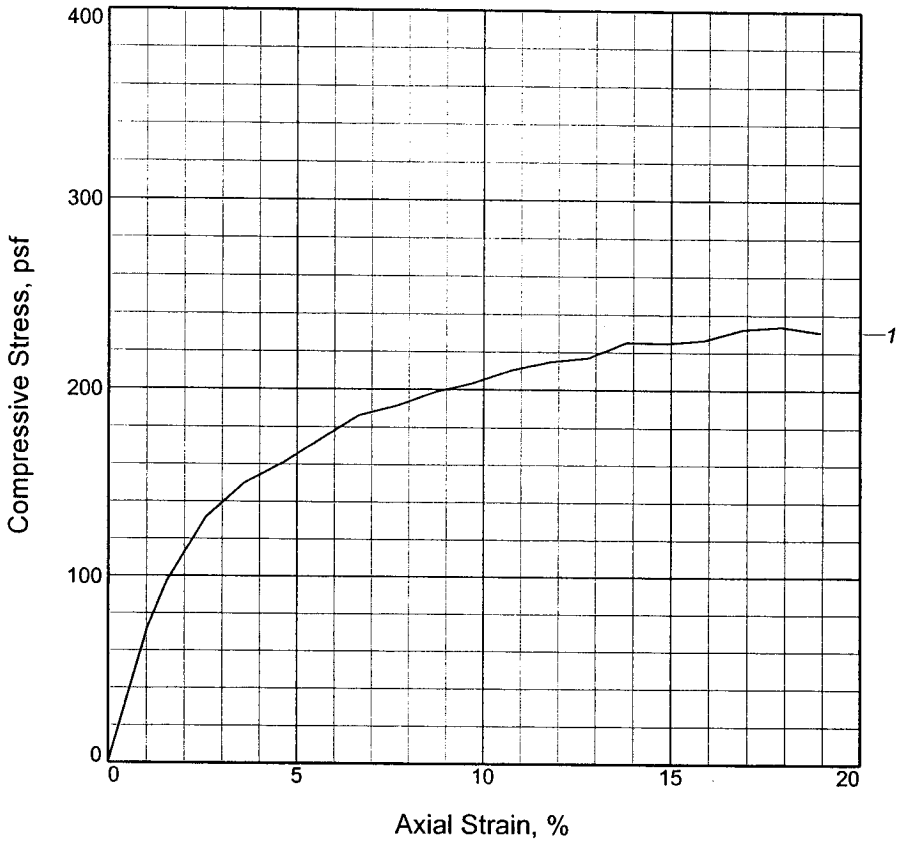
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: ZH **Checked By:** RNE

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	225.3			
Undrained shear strength, psf	112.7			
Failure strain, %	13.8			
Strain rate, in./min.	0.572			
Water content, %	129.0			
Wet density, pcf	81.7			
Dry density, pcf	35.7			
Saturation, %	95.1			
Void ratio	3.4609			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: VSO BR CHOA W/ WD, RT

LL =	PL =	PI =	**Assumed GS=** 2.55	**Type:** UNDISTURBED

Project No.: 19082
Date: 10-29-05

Remarks:
TORVANE = 0.150 TSF

Figure 1

Client: URS Corporation

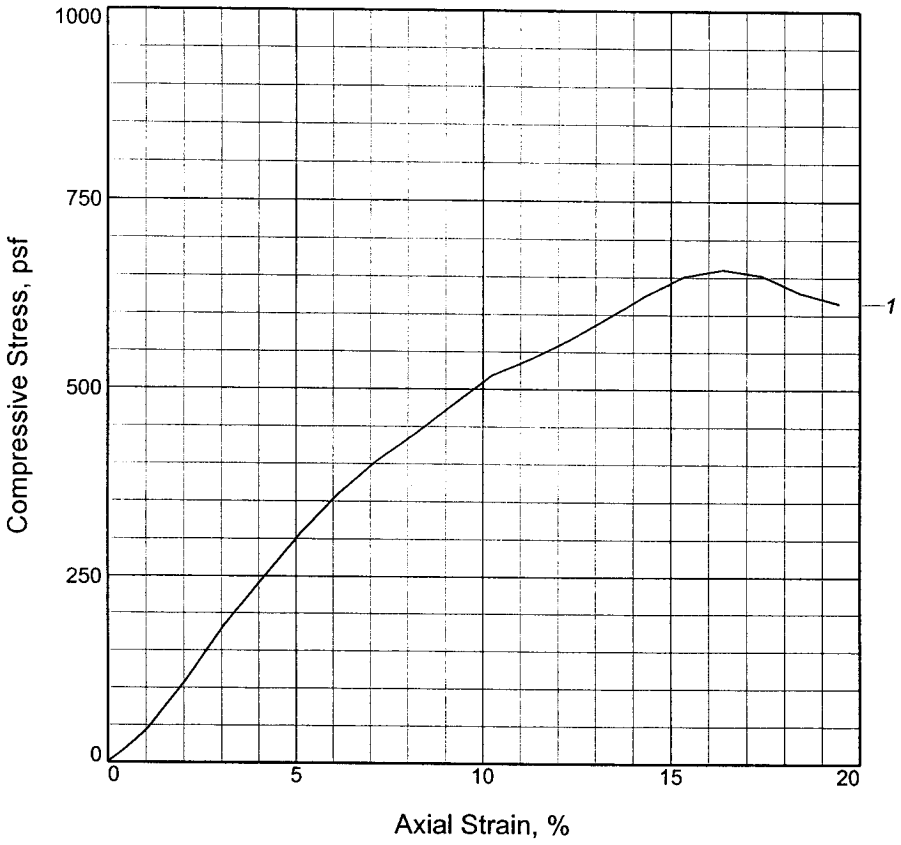
Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 10.0
Sample Number: 5

UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH **Checked By:** RNE

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	660.2			
Undrained shear strength, psf	330.1			
Failure strain, %	16.4			
Strain rate, in./min.	0.057			
Water content, %	32.4			
Wet density, pcf	114.3			
Dry density, pcf	86.3			
Saturation, %	92.2			
Void ratio	0.9452			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: SO GR CL4 W/ LYS CH

LL =	PL =	PI =	Assumed GS= 2.69	Type: UNDISTURBED

Project No.: 19082
Date: 10-29-05
Remarks:

Client: URS Corporation

Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 15.0
Sample Number: 7

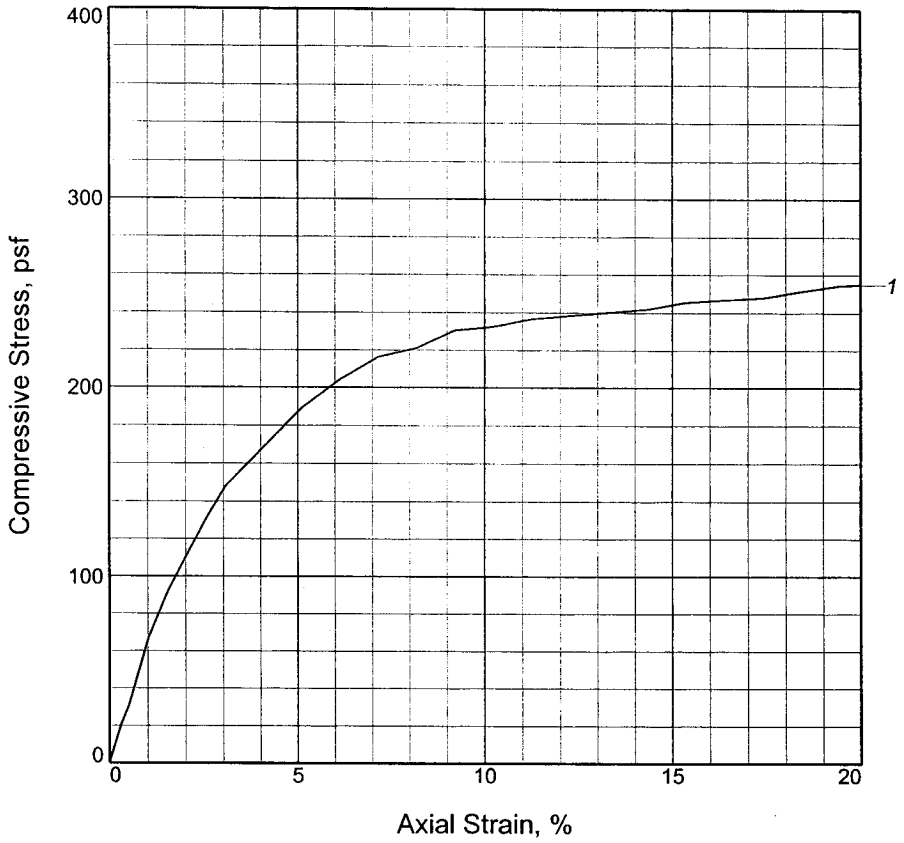
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: ZH **Checked By:** RNE

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	254.8			
Undrained shear strength, psf	127.4			
Failure strain, %	20.0			
Strain rate, in./min.	0.057			
Water content, %	61.5			
Wet density, pcf	100.9			
Dry density, pcf	62.5			
Saturation, %	97.0			
Void ratio	1.7375			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: VSO GR CH4 W/ LNS ML, TR-WD

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

Project No.: 19082
Date: 10-29-05

Remarks:
TORVANE = 0.130 TSF

Figure 1

Client: URS Corporation

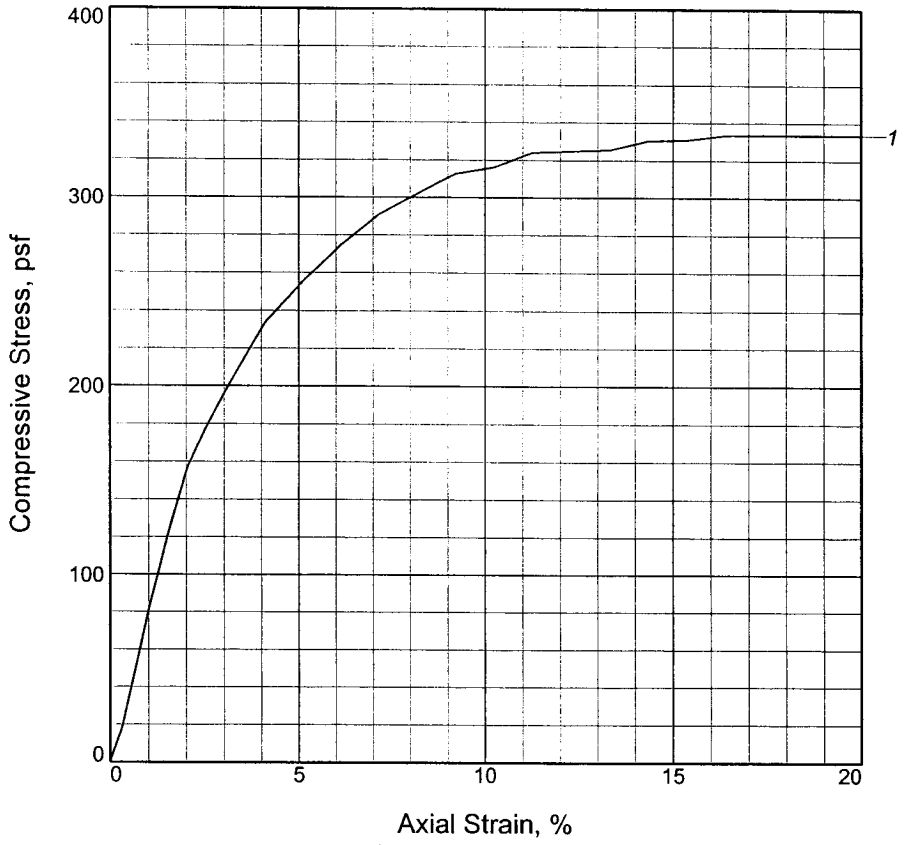
Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 20.0
Sample Number: 9

UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH **Checked By:** RNE

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	333.6			
Undrained shear strength, psf	166.8			
Failure strain, %	20.0			
Strain rate, in./min.	0.057			
Water content, %	57.5			
Wet density, pcf	102.1			
Dry density, pcf	64.8			
Saturation, %	96.1			
Void ratio	1.6394			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: VSO GR CH4 W/ SL

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

Project No.: 19082
Date: 10-29-05

Remarks:
TORVANE = 0.130 TSF

Client: URS Corporation

Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 25.0
Sample Number: 11

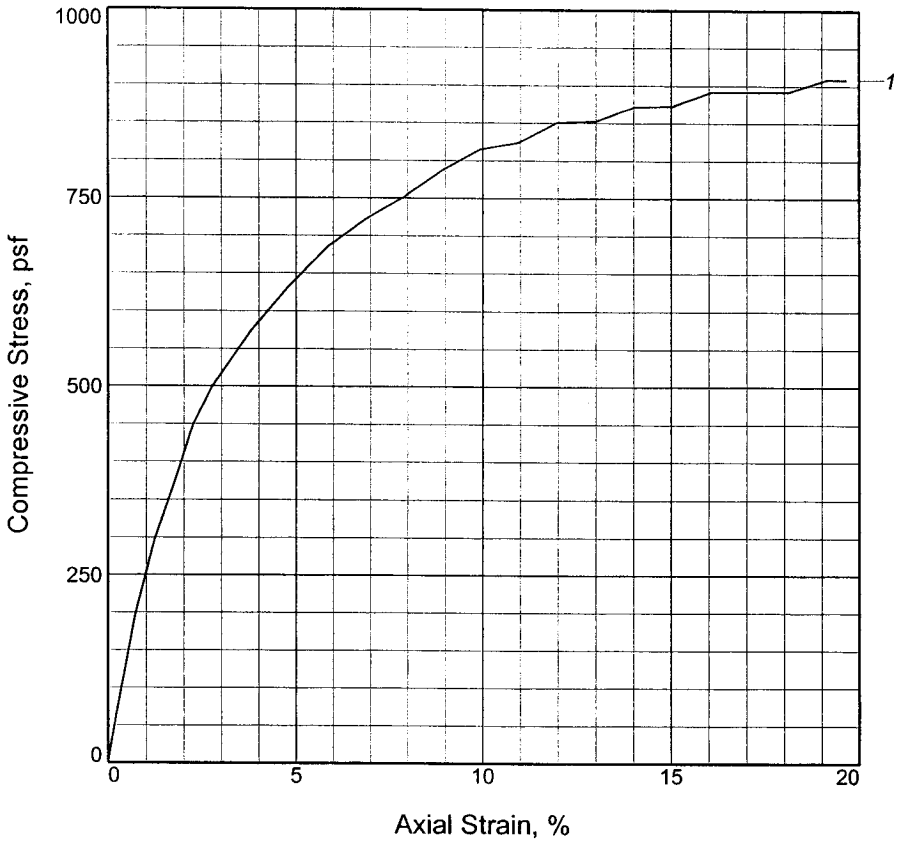
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: ZH **Checked By:** RNE

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	891.4			
Undrained shear strength, psf	445.7			
Failure strain, %	16.1			
Strain rate, in./min.	0.057			
Water content, %	57.0			
Wet density, pcf	102.0			
Dry density, pcf	65.0			
Saturation, %	95.7			
Void ratio	1.6309			
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: 10-29-05

Remarks:
TORVANE = 0.150 TSF

Figure _____

Client: URS Corporation

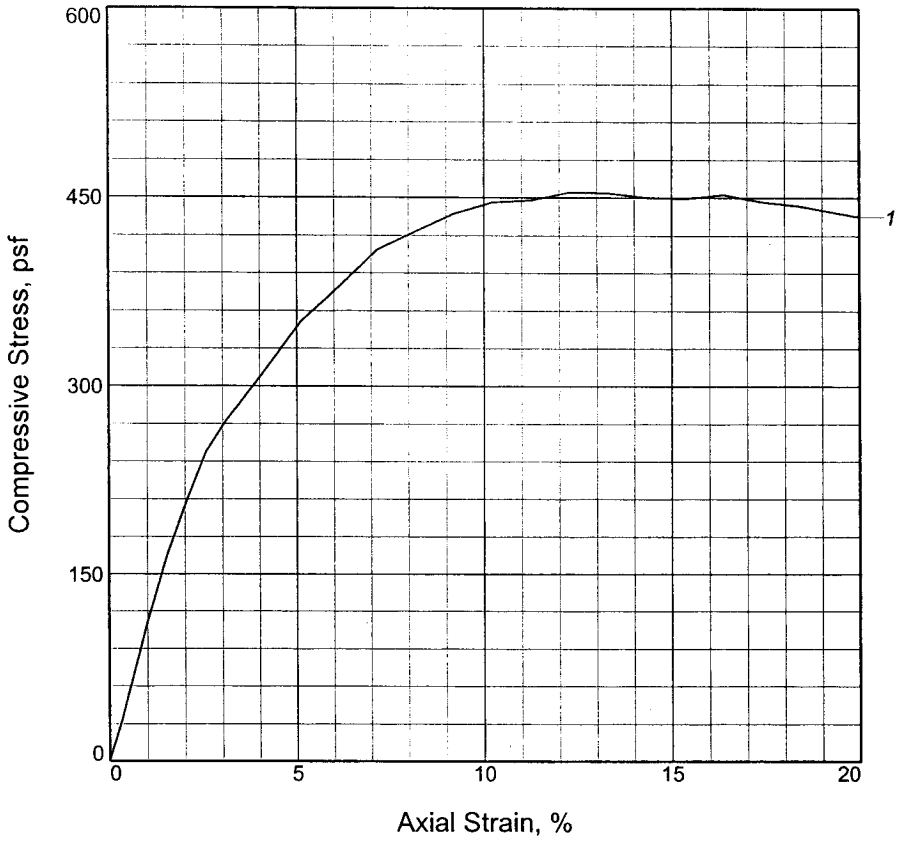
Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 30.0
Sample Number: 13

UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH **Checked By:** RNE

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	454.1			
Undrained shear strength, psf	227.1			
Failure strain, %	12.3			
Strain rate, in./min.	0.057			
Water content, %	68.7			
Wet density, pcf	97.3			
Dry density, pcf	57.7			
Saturation, %	95.8			
Void ratio	1.9639			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: VSO GR CH4 W/ SL

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

Project No.: 19082
Date: 10-29-05

Remarks:
TORVANE = 0.200 TSF

Client: URS Corporation

Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 35.0
Sample Number: 15

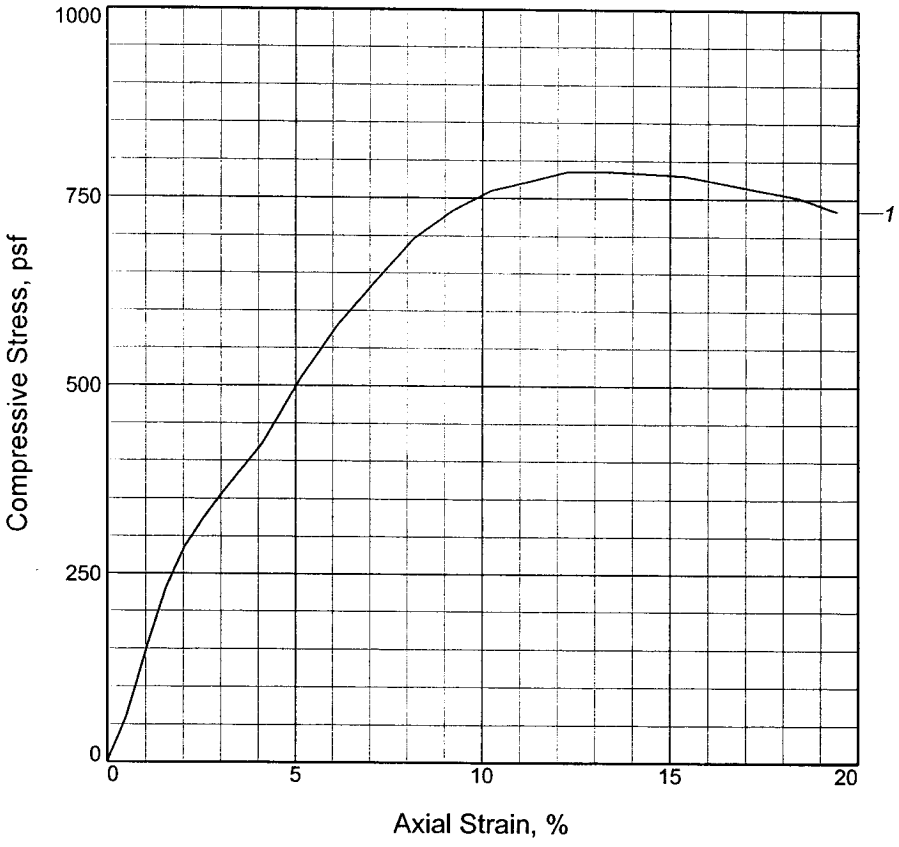
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: ZH **Checked By:** RNE

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	785.6			
Undrained shear strength, psf	392.8			
Failure strain, %	12.3			
Strain rate, in./min.	0.057			
Water content, %	69.6			
Wet density, pcf	97.1			
Dry density, pcf	57.2			
Saturation, %	95.9			
Void ratio	1.9891			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: SO GR CH4 W/ LNS ML, SL

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

Project No.: 19082
Date: 10-29-05

Remarks:
TORVANE = 0.250 TSF

Figure 1

Client: URS Corporation

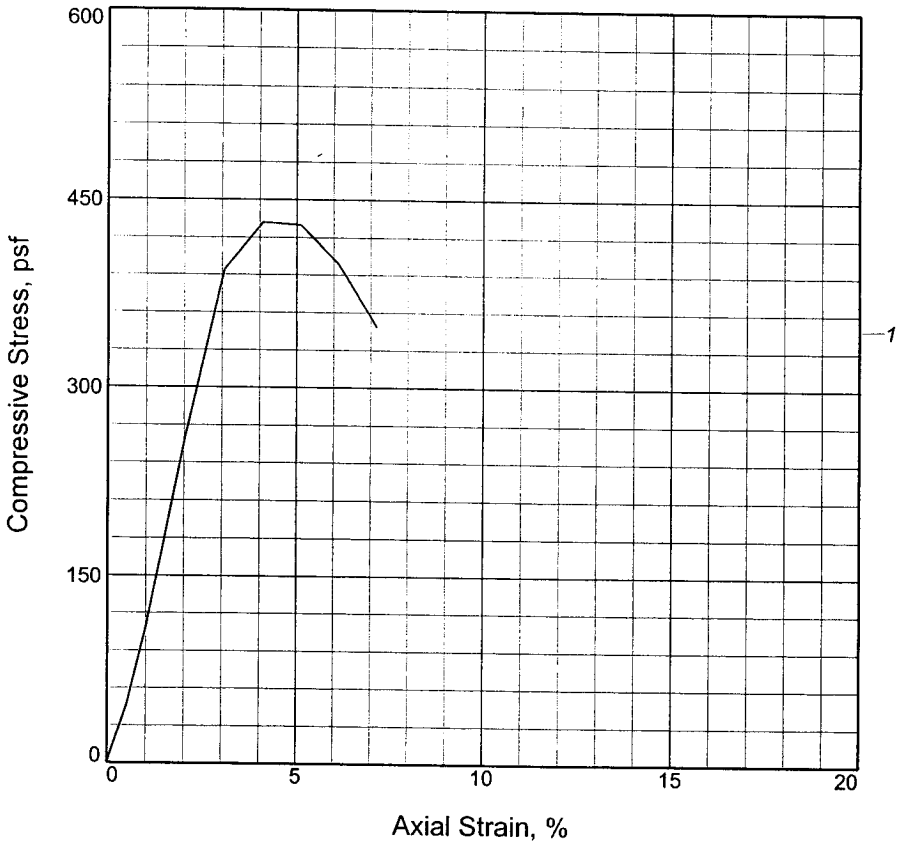
Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 40.0
Sample Number: 17

UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH **Checked By:** RNE

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	432.0			
Undrained shear strength, psf	216.0			
Failure strain, %	4.1			
Strain rate, in./min.	0.057			
Water content, %	23.0			
Wet density, pcf	125.1			
Dry density, pcf	101.7			
Saturation, %	95.2			
Void ratio	0.6511			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: VSO GR CL3 W/ SIF

LL =	PL =	PI =	**Assumed GS=** 2.69	**Type:** UNDISTURBED

Project No.: 19082
Date: 10-29-05
Remarks:

Client: URS Corporation

Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 45.0
Sample Number: 19

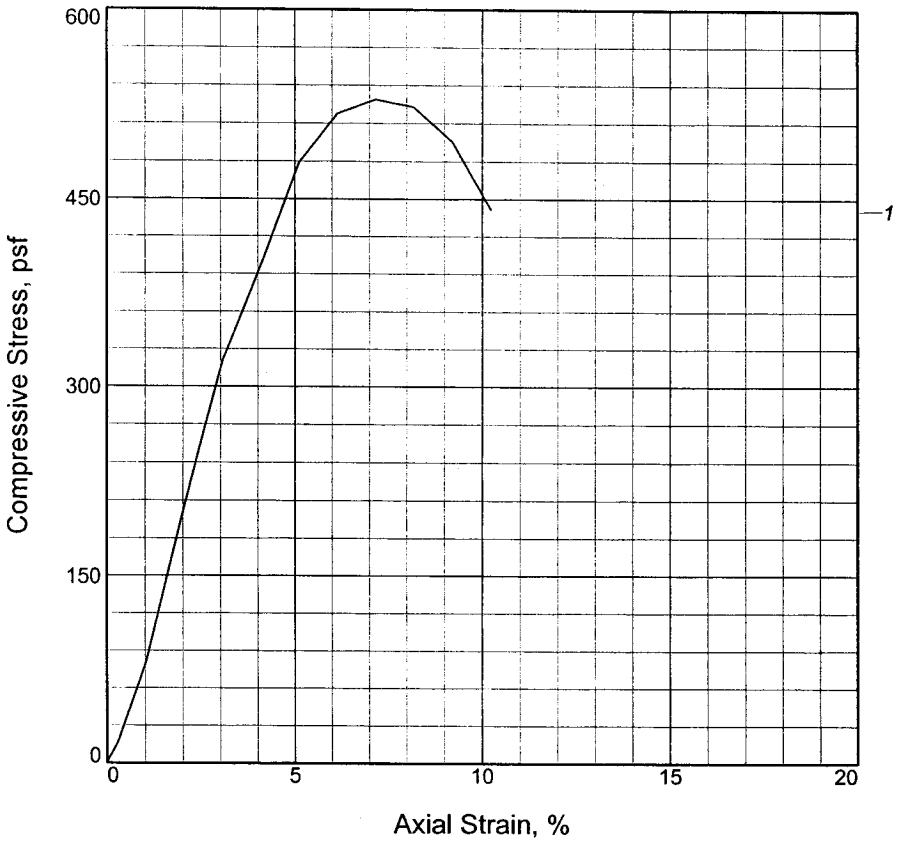
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: ZH **Checked By:** RNE

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	528.7			
Undrained shear strength, psf	264.3			
Failure strain, %	7.2			
Strain rate, in./min.	0.057			
Water content, %	30.1			
Wet density, pcf	114.9			
Dry density, pcf	88.3			
Saturation, %	89.9			
Void ratio	0.9009			
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=** 2.69	**Type:** UNDISTURBED

Project No.: 19082
Date: 10-29-05

Remarks:
TORVANE = 0.320 TSF

Figure 1

Client: URS Corporation

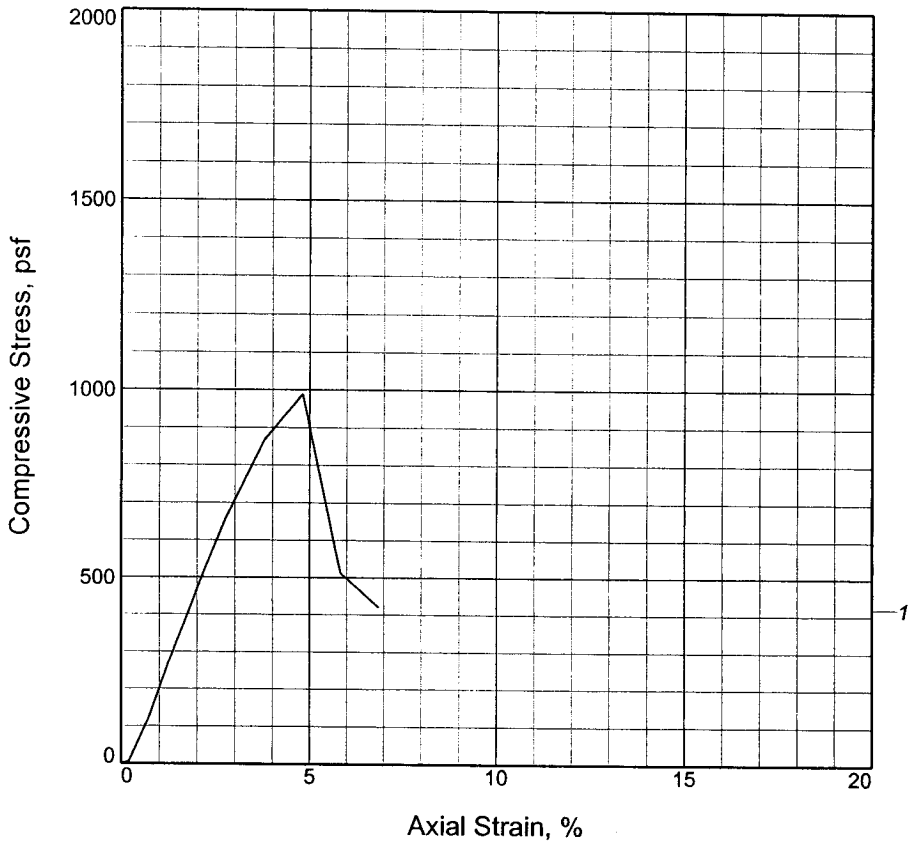
Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 50.
Sample Number: 21

UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH **Checked By:** RNE

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	988.1			
Undrained shear strength, psf	494.0			
Failure strain, %	4.8			
Strain rate, in./min.	0.075			
Water content, %	59.8			
Wet density, pcf	100.2			
Dry density, pcf	62.7			
Saturation, %	95.2			
Void ratio	1.7091			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: SO GR CH3 W/ ARS & LNS SP

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

Project No.: 19082
Date: 10-29-05

Remarks:
TORVANE = 0.220 TSF

Client: URS Corporation

Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 55.0
Sample Number: 23

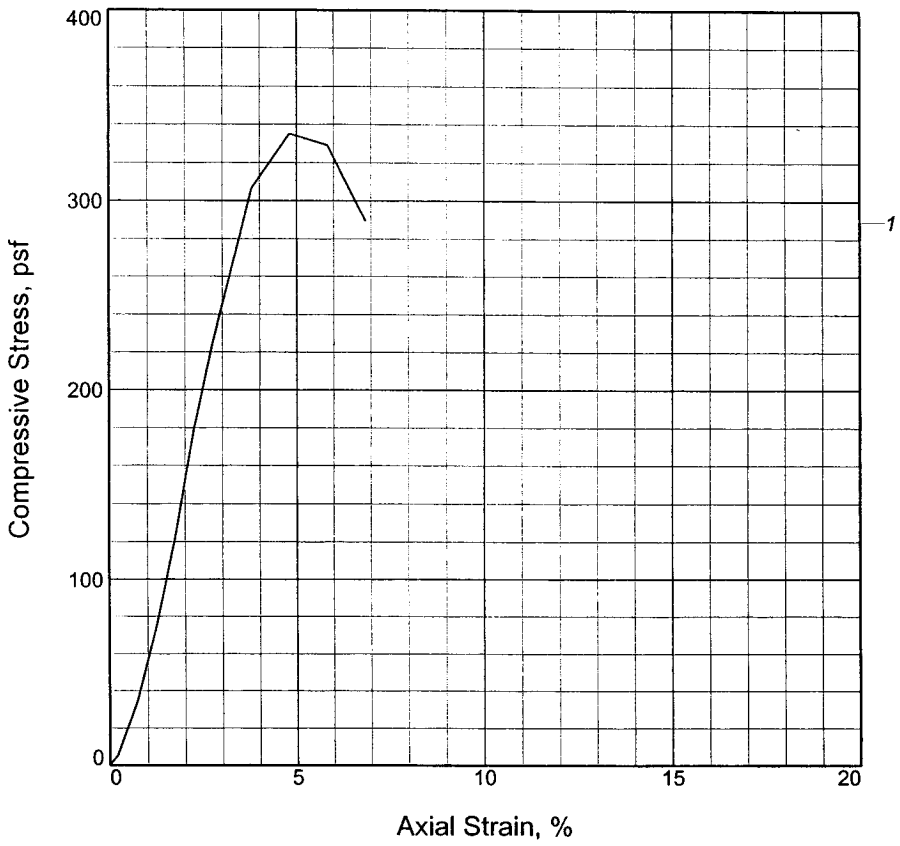
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: ZH **Checked By:** RNE

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	335.1			
Undrained shear strength, psf	167.6			
Failure strain, %	4.8			
Strain rate, in./min.	0.057			
Water content, %	25.9			
Wet density, pcf	118.0			
Dry density, pcf	93.7			
Saturation, %	88.0			
Void ratio	0.7920			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: VSO GR CL3

LL =	**PL =**	**PI =**	**Assumed GS=** 2.69	**Type:** UNDISTURBED

Project No.: 19082
Date: 10-29-05
Remarks:

Client: URS Corporation

Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 57.5
Sample Number: 24

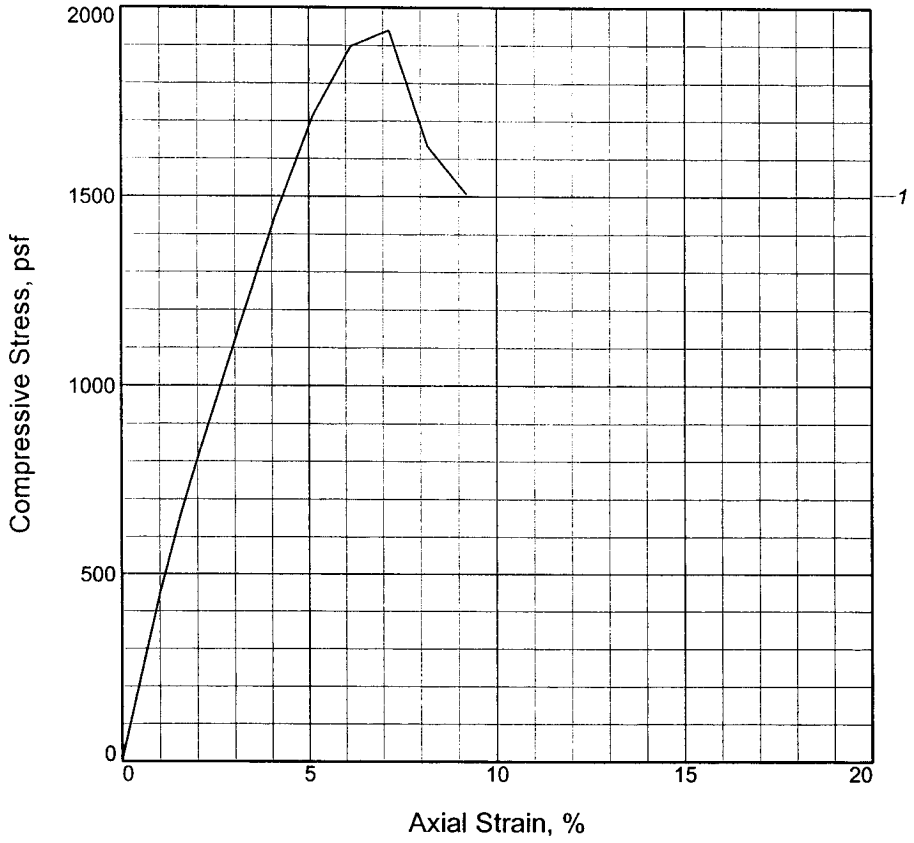
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: ZH **Checked By:** RNE

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	1939.3			
Undrained shear strength, psf	969.6			
Failure strain, %	7.2			
Strain rate, in./min.	0.057			
Water content, %	59.4			
Wet density, pcf	100.1			
Dry density, pcf	62.8			
Saturation, %	94.4			
Void ratio	1.7240			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: ST DGR & GR CH4

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

Project No.: 19082
Date: 10-29-05

Remarks:
TORVANE = 0.350 TSF

Client: URS Corporation

Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 65
Sample Number: 27

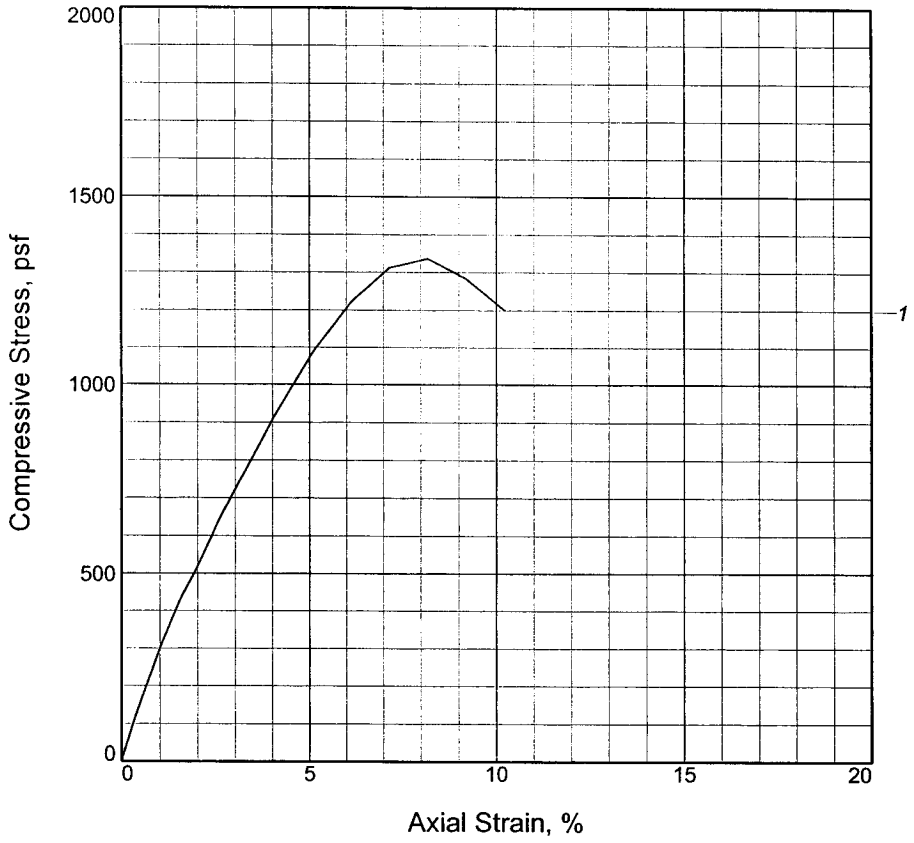
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: ZH **Checked By:** RNE

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	1335.7			
Undrained shear strength, psf	667.9			
Failure strain, %	8.2			
Strain rate, in./min.	0.057			
Water content, %	23.4			
Wet density, pcf	123.2			
Dry density, pcf	99.8			
Saturation, %	91.9			
Void ratio	0.6883			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: M LGR CL6

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

Project No.: 19082
Date: 10-29-05

Remarks:
TORVANE = 0.400 TSF

Figure 1

Client: URS Corporation

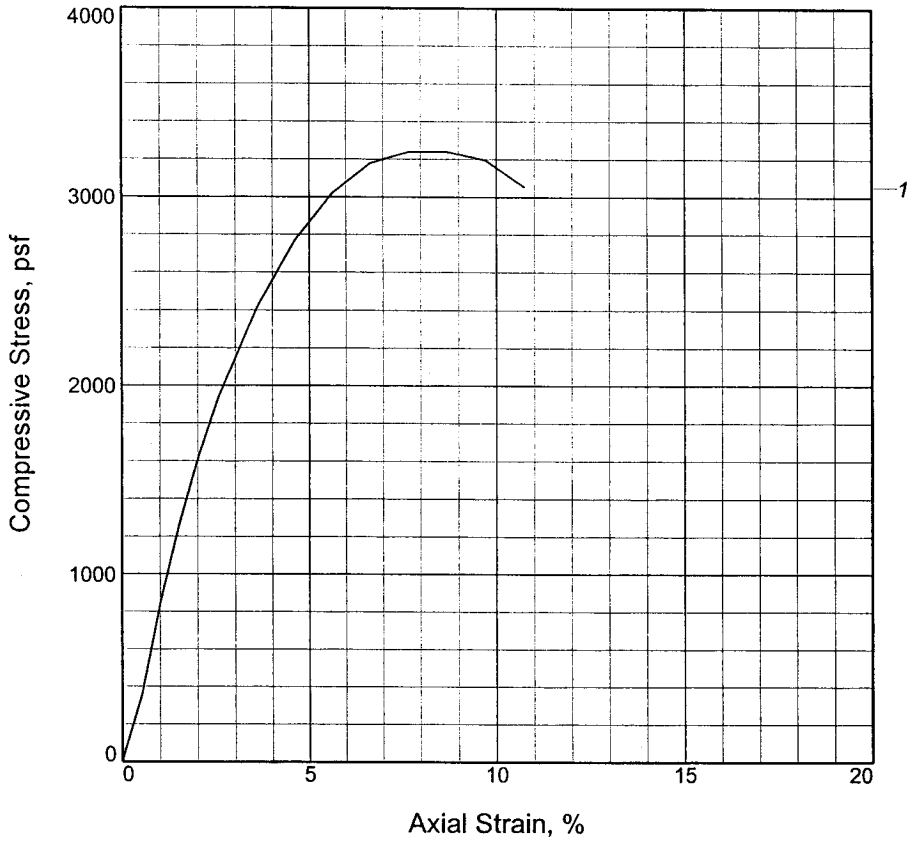
Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 70.0
Sample Number: 29

UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH **Checked By:** RNE

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	3239.1			
Undrained shear strength, psf	1619.5			
Failure strain, %	8.7			
Strain rate, in./min.	0.057			
Water content, %	36.5			
Wet density, pcf	115.5			
Dry density, pcf	84.6			
Saturation, %	97.9			
Void ratio	1.0208			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: ST LGR & T CH4 W/ LNS SM, SL

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

Project No.: 19082
Date: 10-29-05

Remarks:
TORVANE = 0.420 TSF

Figure 1

Client: URS Corporation

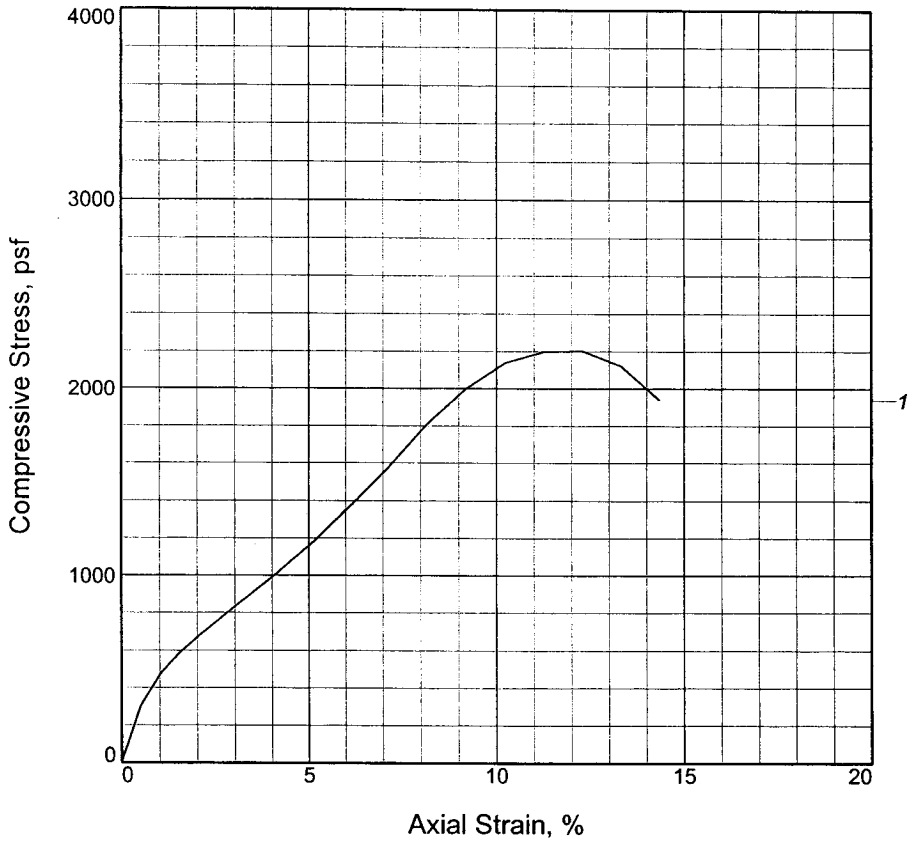
Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 75.0
Sample Number: 31

UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH **Checked By:** RNE

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	2201.5			
Undrained shear strength, psf	1100.8			
Failure strain, %	12.3			
Strain rate, in./min.	0.057			
Water content, %	51.6			
Wet density, pcf	104.3			
Dry density, pcf	68.8			
Saturation, %	95.1			
Void ratio	1.4871			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: ST GR CH4 W/ LNS SM, SL

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

Project No.: 19082
Date: 10-29-05

Remarks:
TORVANE = 0.550 TSF

Client: URS Corporation

Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 80.0
Sample Number: 33

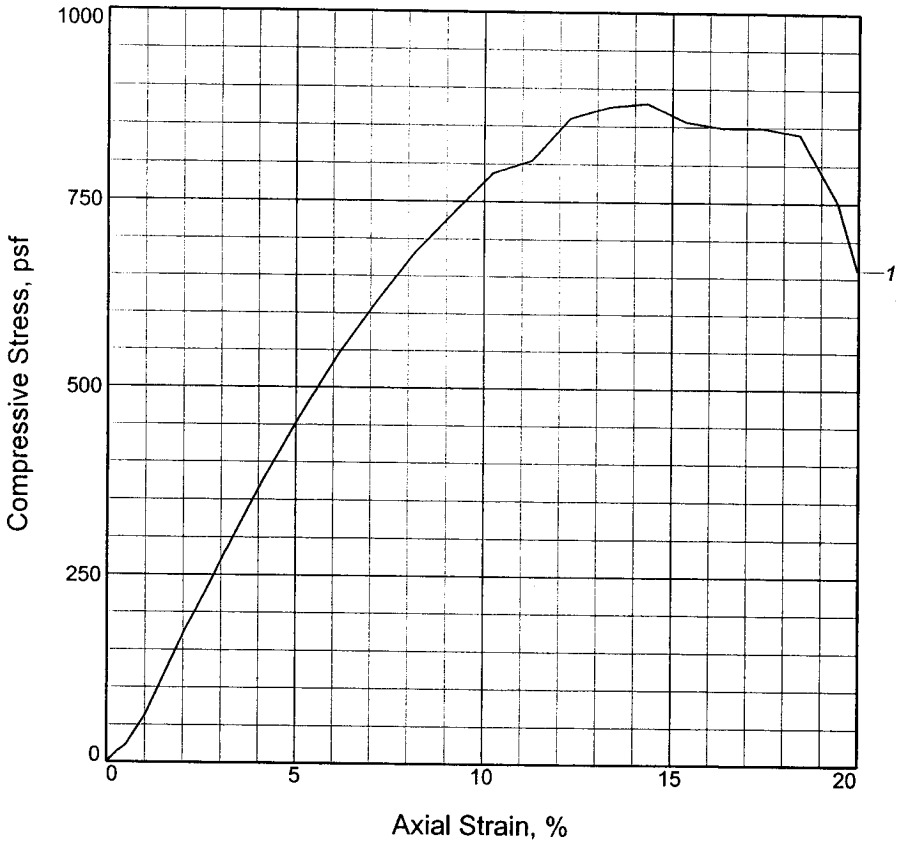
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: ZH **Checked By:** RNE

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	880.4			
Undrained shear strength, psf	440.2			
Failure strain, %	14.3			
Strain rate, in./min.	0.057			
Water content, %	29.6			
Wet density, pcf	118.1			
Dry density, pcf	91.1			
Saturation, %	94.4			
Void ratio	0.8433			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: SO GR CL4

LL =	PL =	PI =	**Assumed GS=** 2.69	**Type:** UNDISTURBED

Project No.: 19082
Date: 10-29-05

Remarks:
TORVANE = 0.150 TSF

Client: URS Corporation

Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 85.0
Sample Number: 35

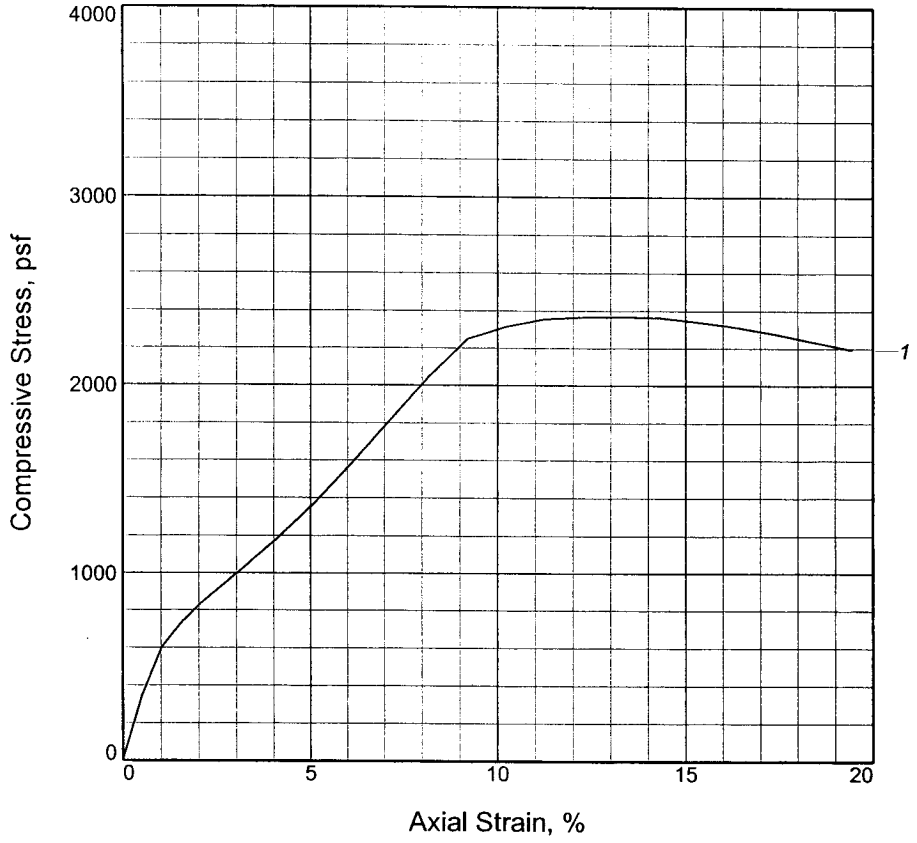
UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Figure 1

Tested By: ZH **Checked By:** RNE

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	2365.7			
Undrained shear strength, psf	1182.8			
Failure strain, %	12.3			
Strain rate, in./min.	0.057			
Water content, %	43.3			
Wet density, pcf	109.5			
Dry density, pcf	76.5			
Saturation, %	95.8			
Void ratio	1.2374			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: ST GR CH4 W/ SL

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

Project No.: 19082
Date: 10-29-05

Remarks:
TORVANE = 0.470 TSF

Figure 1

Client: URS Corporation

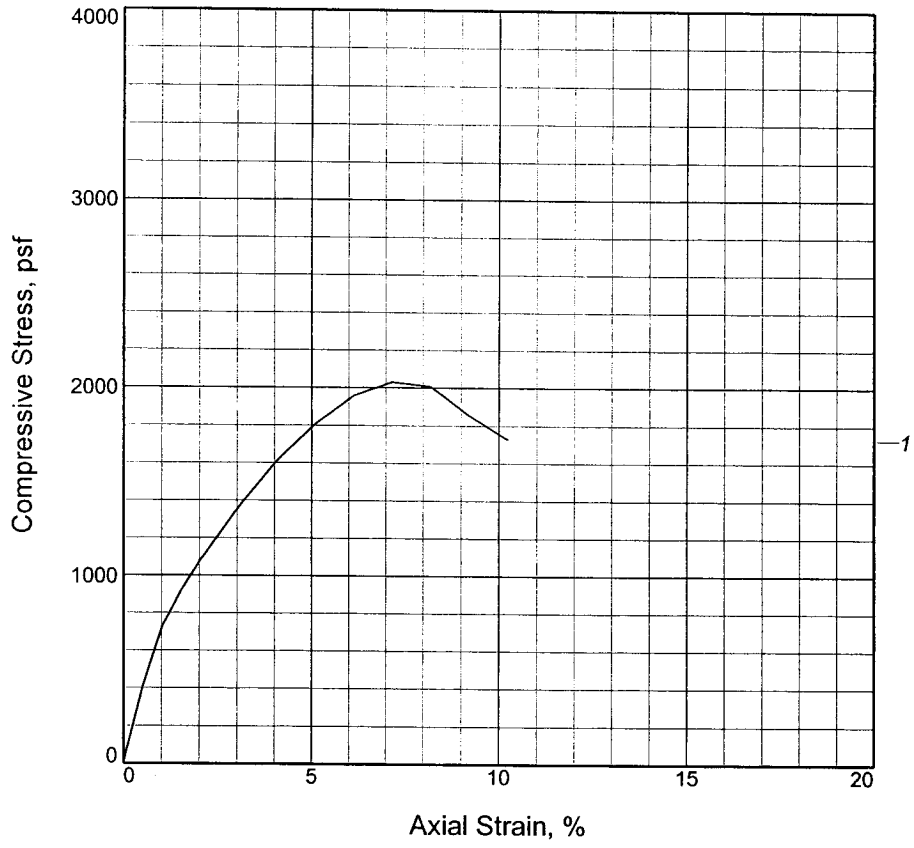
Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 90.0
Sample Number: 37

UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH **Checked By:** RNE

UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	2029.9			
Undrained shear strength, psf	1014.9			
Failure strain, %	7.2			
Strain rate, in./min.	0.057			
Water content, %	44.6			
Wet density, pcf	108.6			
Dry density, pcf	75.1			
Saturation, %	95.6			
Void ratio	1.2776			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

Description: ST GR CH4 W/ SL, LNS SM

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

Project No.: 19082
Date: 10-29-05

Remarks:
TORVANE = 0.480 TSF

Figure 1

Client: URS Corporation

Project: U.S. Army Corps of Engineers
Inner Harbor Navigational Canal
Source of Sample: B-2G **Depth:** 95.0
Sample Number: 39

UNCONFINED COMPRESSION TEST

EUSTIS ENGINEERING COMPANY, INC.

Tested By: ZH **Checked By:** RNE