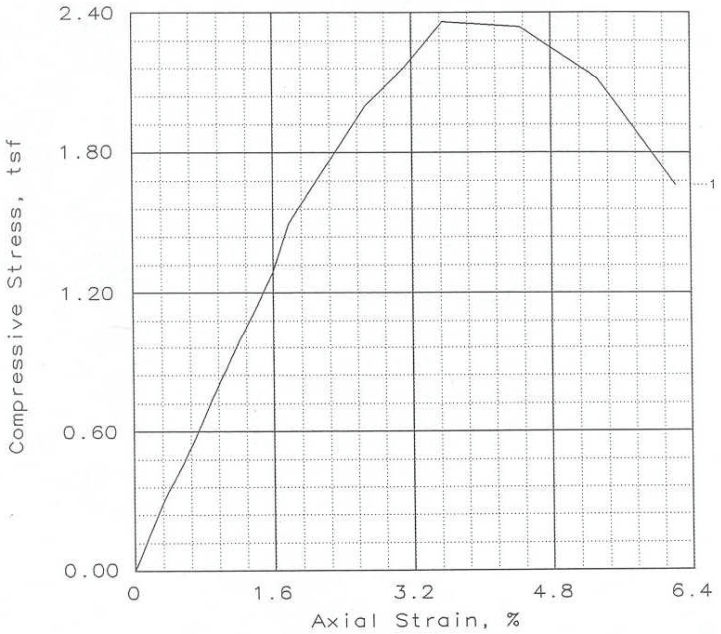
UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	2.36			
Undrained shear strength, tsf	1.18			
Failure strain, %	3.6			
Strain rate, %/min	2.00			
Water content, %	18.0			
Wet density, pcf	128.7			
Dry density, pcf	109.1			
Saturation, %	92.3			
Void ratio	0.5166			
Specimen diameter, in	2.85			
Specimen height, in	5.62			
Height/diameter ratio	1.97			

Description: Clay Sl Silty Reddish Brown W/rock Frags.

GS= 2.65 | Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 17 May 2003

Remarks:

Testing Sample @3.2ft

Client: RSP Architects

Project: Ft. Knox Housing

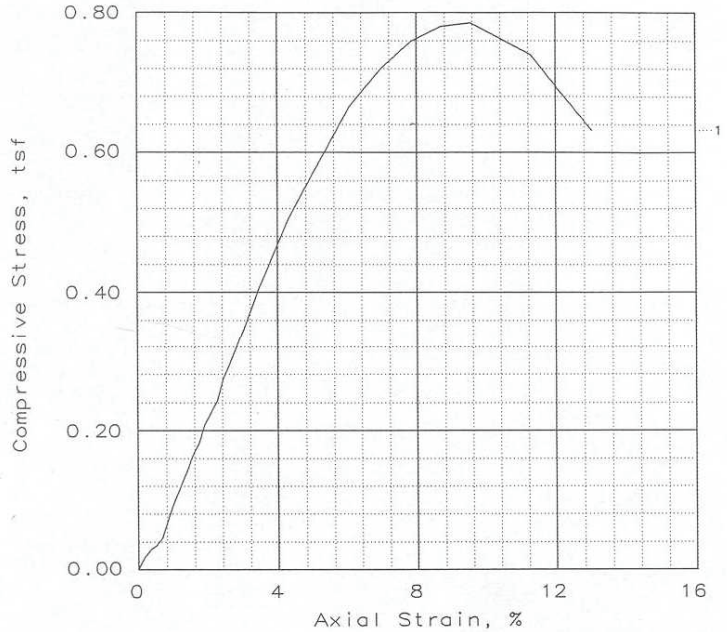
Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

Fig. No.: 26 UC

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	0.79			
Undrained shear strength, tsf	0.39			
Failure strain, %	9.6			
Strain rate, %/min	2.00			
Water content, %	31.8			
Wet density, pcf	118.9			
Dry density, pcf	90.2			
Saturation, %	101.1			
Void ratio	0.8343			
Specimen diameter, in	2.85			
Specimen height, in	5.75			
Height/diameter ratio	2.02			

Description: Silt Sl Clayey Dk Gray Soft Moist

			GS= 2.65	Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 20 May 2003

Remarks:

Testing Sample @6.5ft

Client: RSP Architects

Project: Ft. Knox Housing

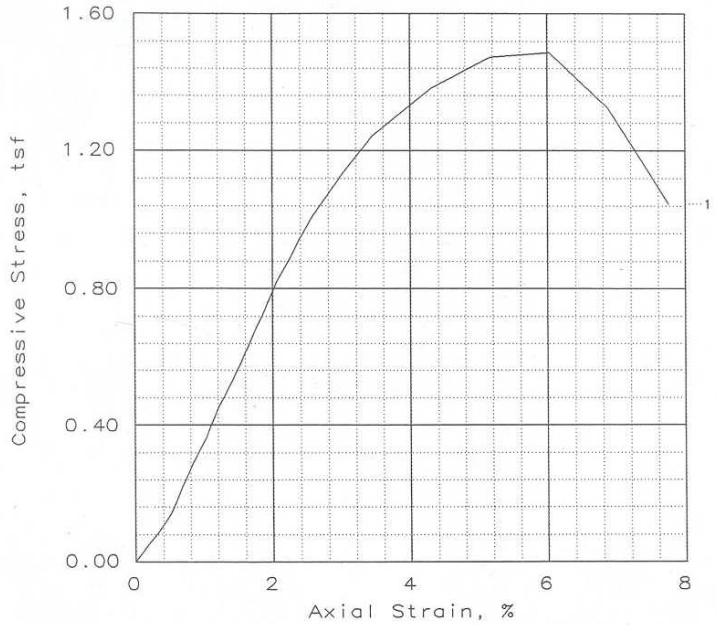
Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

Fig. No.: 27 UC

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	1.49			
Undrained shear strength, tsf	0.74			
Failure strain, %	6.0			
Strain rate, %/min	2.00			
Water content, %	30.1			
Wet density, pcf	119.8			
Dry density, pcf	92.0			
Saturation, %	100.1			
Void ratio	0.7975			
Specimen diameter, in	2.85			
Specimen height, in	5.80			
Height/diameter ratio	2.04			

Description: Clay, Sl Silty Reddish Brown Mottled Tan

			GS= 2.65	Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 10 May 2003

Remarks:

Testing Sample @3.3ft

Client: RSP Architects

Project: Ft. Knox Housing

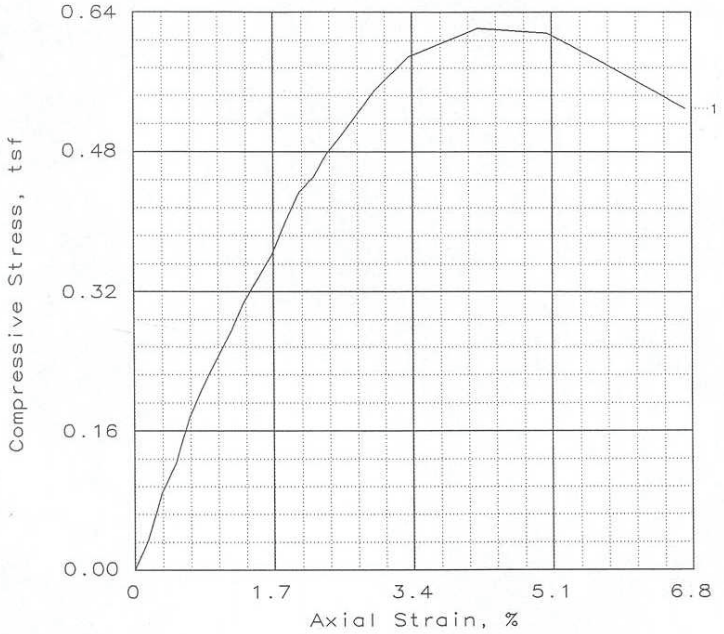
Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

Fig. No.: 29 UC

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	0.62			
Undrained shear strength, tsf	0.31			
Failure strain, %	4.2			
Strain rate, %/min	2.00			
Water content, %	34.5			
Wet density, pcf	114.5			
Dry density, pcf	85.1			
Saturation, %	96.9			
Void ratio	0.9444			
Specimen diameter, in	2.85			
Specimen height, in	5.95			
Height/diameter ratio	2.09			

Description: Clay, Sl Silty, Reddish Brown/Tan, W/rock

GS= 2.65 | Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 10 May 2003

Remarks:

Testing Sample @6.2ft

Fig. No.: 30 UC

Client: RSP Architects

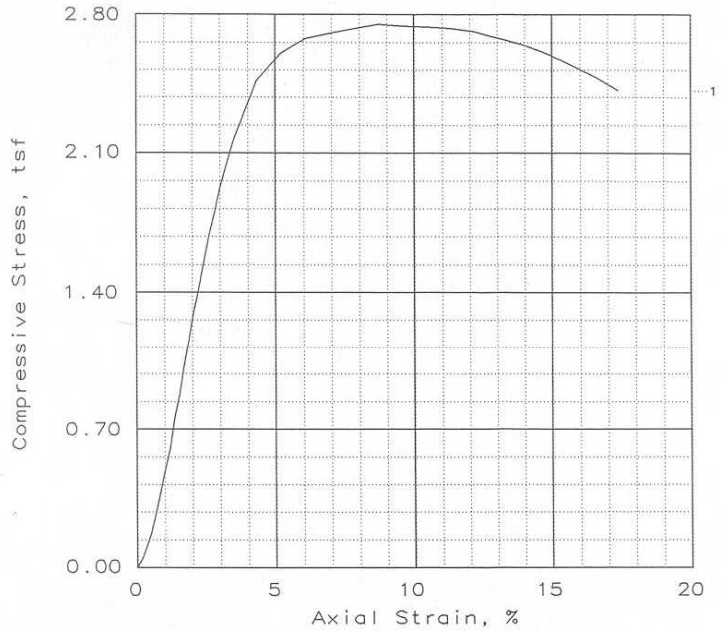
Project: Ft. Knox Housing

Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	2.75			
Undrained shear strength, tsf	1.38			
Failure strain, %	8.7			
Strain rate, %/min	2.00			
Water content, %	27.6			
Wet density, pcf	123.6			
Dry density, pcf	96.8			
Saturation, %	103.3			
Void ratio	0.7089			
Specimen diameter, in	2.85			
Specimen height, in	5.75			
Height/diameter ratio	2.02			

Description: Clay, SI Silty, Reddish Brown Mottled Tan

			GS= 2.65	Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 10 May 2003

Remarks:

Testing Sample @6.25ft

Client: RSP Architects

Project: Ft. Knox Housing

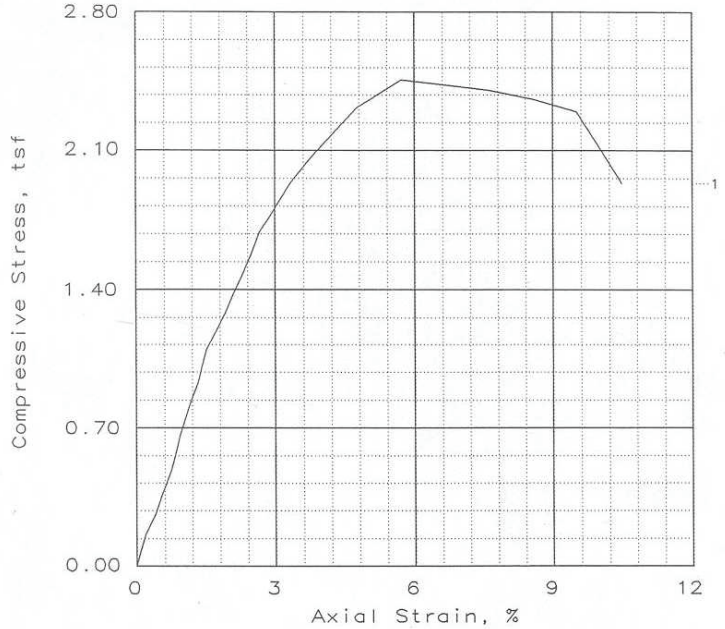
Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

Fig. No.: 32 UC

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	2.46			
Undrained shear strength, tsf	1.23			
Failure strain, %	5.7			
Strain rate, %/min	2.00			
Water content, %	25.9			
Wet density, pcf	124.4			
Dry density, pcf	98.7			
Saturation, %	101.8			
Void ratio	0.6754			
Specimen diameter, in	2.85			
Specimen height, in	5.25			
Height/diameter ratio	1.84			

Description: Clay, SI Silty, Reddish Brown w/Gravel & Silt

GS= 2.65 | Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 10 May 2003

Remarks:

Testing Sample @ 6.5ft

Client: RSP Architects

Project: Ft. Knox Housing

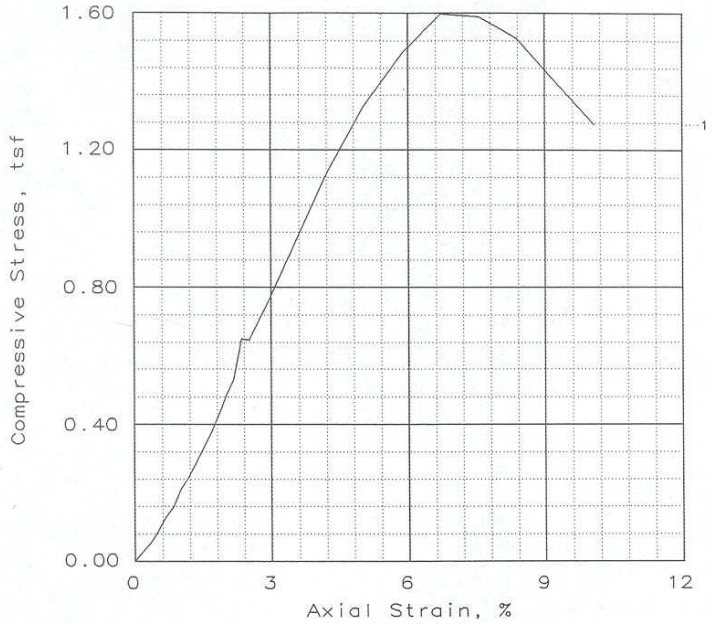
Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

Fig. No.: 33 UC

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	1.60			
Undrained shear strength, tsf	0.80			
Failure strain, %	6.7			
Strain rate, %/min	2.00			
Water content, %	23.0			
Wet density, pcf	123.0			
Dry density, pcf	100.0			
Saturation, %	93.0			
Void ratio	0.6547			
Specimen diameter, in	2.85			
Specimen height, in	5.95			
Height/diameter ratio	2.09			

Description: Silt, Sl Clayey, Brown to Gray

			GS= 2.65	Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 10 May 2003

Remarks:

Testing Sample @3.5ft

Client: RSP Architects

Project: Ft. Knox Housing

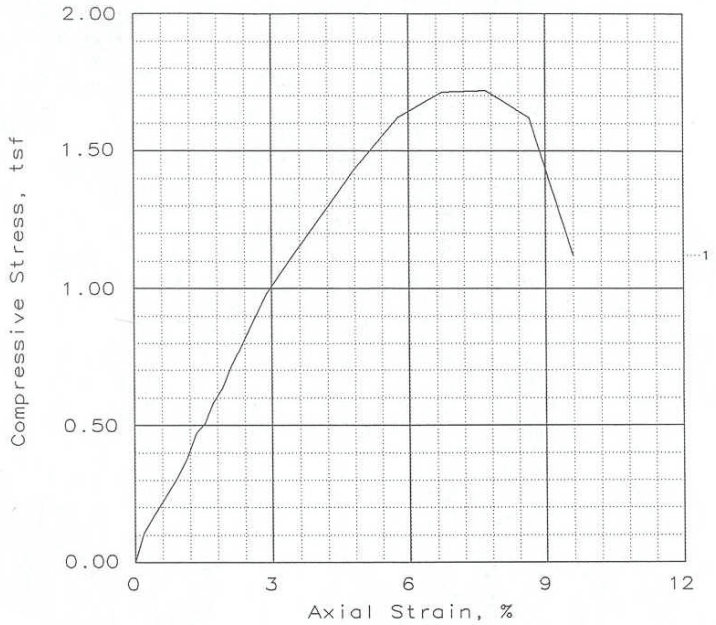
Location: Anderson Golf Course

Fig. No.: 34 UC

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	1.72			
Undrained shear strength, tsf	0.86			
Failure strain, %	7.7			
Strain rate, %/min	2.00			
Water content, %	20.5			
Wet density, pcf	131.7			
Dry density, pcf	109.2			
Saturation, %	105.8			
Void ratio	0.5144			
Specimen diameter, in	2.85			
Specimen height, in	5.20			
Height/diameter ratio	1.82			

Description: Clay, Sl Silty Reddish Brown Mottled Tan

			GS= 2.65	Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 10 May 2003

Remarks:

Testing Sample @3.5ft

Client: RSP Architects

Project: Ft. Knox Housing

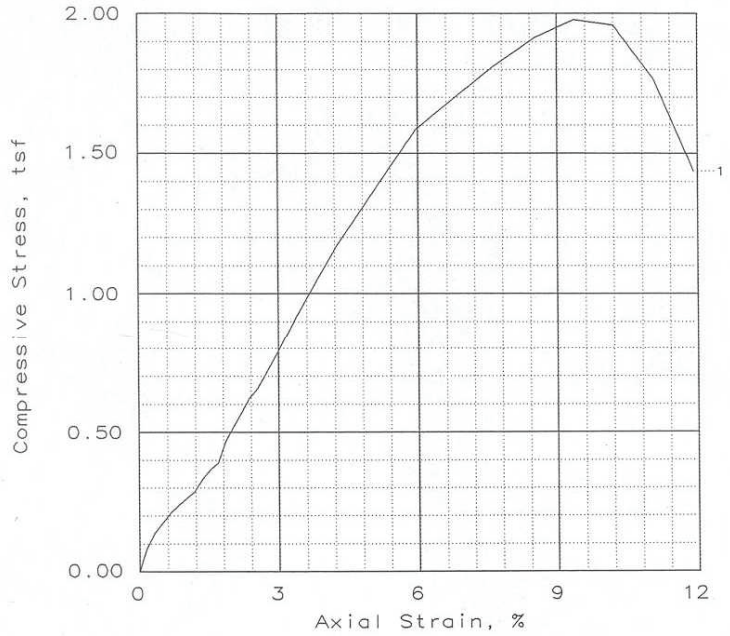
Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

Fig. No.: 37 UC

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	1.98			
Undrained shear strength, tsf	0.99			
Failure strain, %	9.4			
Strain rate, %/min	2.00			
Water content, %	27.5			
Wet density, pcf	121.0			
Dry density, pcf	94.9			
Saturation, %	98.0			
Void ratio	0.7431			
Specimen diameter, in	2.85			
Specimen height, in	5.87			
Height/diameter ratio	2.06			

Description: Silt Sl Clayey Dark Brown

GS= 2.65 | Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 17 May 2003

Remarks:

Testing Sample @5.0ft

Client: RSP Architects

Project: Ft. Knox Housing

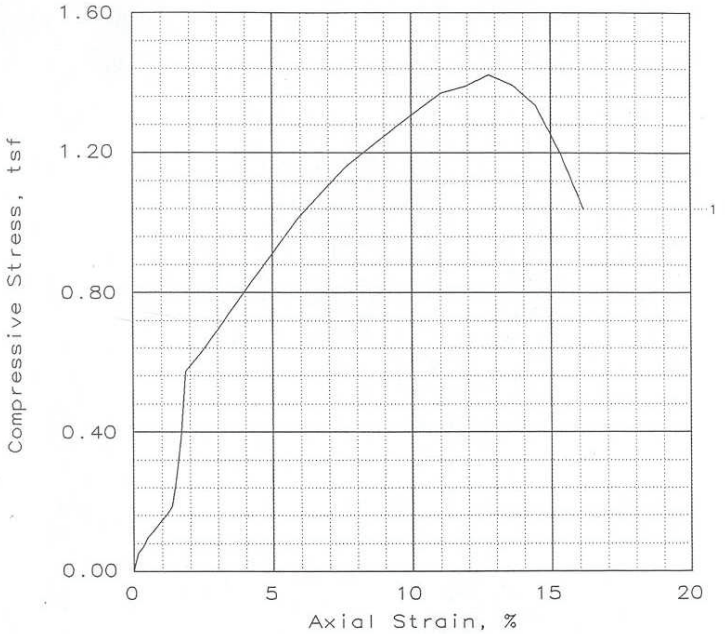
Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

Fig. No.: 40 UC

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	1.42			
Undrained shear strength, tsf	0.71			
Failure strain, %	12.8			
Strain rate, %/min	2.00			
Water content, %	23.5			
Wet density, pcf	125.1			
Dry density, pcf	101.4			
Saturation, %	98.4			
Void ratio	0.6323			
Specimen diameter, in	2.85			
Specimen height, in	5.87			
Height/diameter ratio	2.06			

Description: Silt Sl Clayey Light Brown

			GS= 2.65	Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 17 May 2003

Remarks:

Testing Sample @7.0ft

Client: RSP Architects

Project: Ft. Knox Housing

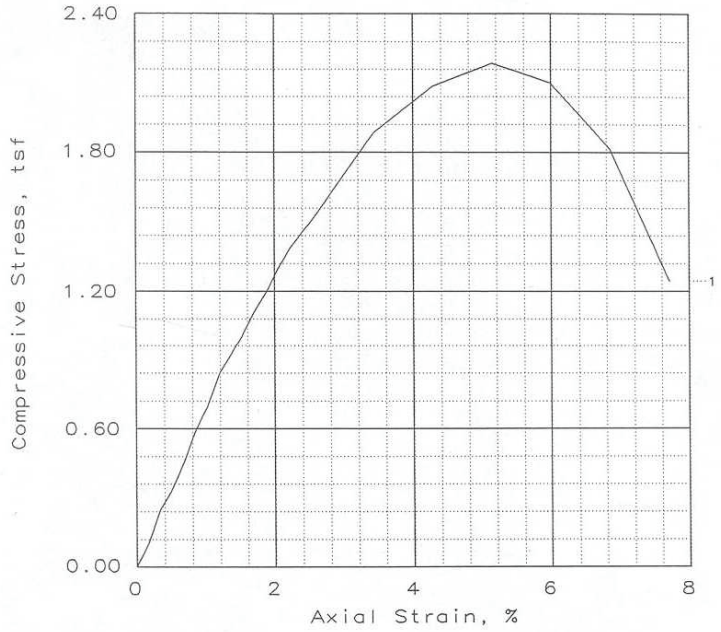
Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

Fig. No.: 43 UC

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	2.19			
Undrained shear strength, tsf	1.09			
Failure strain, %	5.1			
Strain rate, %/min	2.00			
Water content, %	19.6			
Wet density, pcf	130.7			
Dry density, pcf	109.2			
Saturation, %	101.1			
Void ratio	0.5145			
Specimen diameter, in	2.85			
Specimen height, in	5.83			
Height/diameter ratio	2.05			

Description: Clay Sl Silty Brown Mottled Gray w/Rock

			GS= 2.65	Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 17 May 2003

Remarks:

Testing Sample @7.0ft

Client: RSP Architects

Project: Ft. Knox Housing

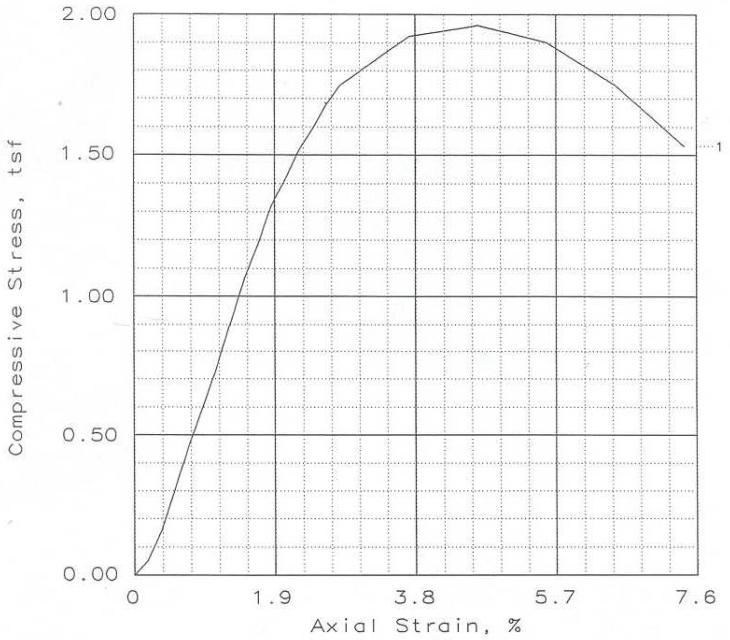
Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

Fig. No.: 45 UC

AMEC Earth & Environmental

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	1.96			
Undrained shear strength, tsf	0.98			
Failure strain, %	4.6			
Strain rate, %/min	2.00			
Water content, %	30.1			
Wet density, pcf	122.8			
Dry density, pcf	94.4			
Saturation, %	103.4			
Void ratio	0.7854			
Specimen diameter, in	2.83			
Specimen height, in	5.38			
Height/diameter ratio	1.90			

Description: Clay, Sl Silty, Reddish Brown w/ rock Frags

GS= 2.7 | Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 10 May 2003

Remarks:

Client: RSP Architects

Project: Ft. Knox Housing

Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

Fig. No.: 48 UC