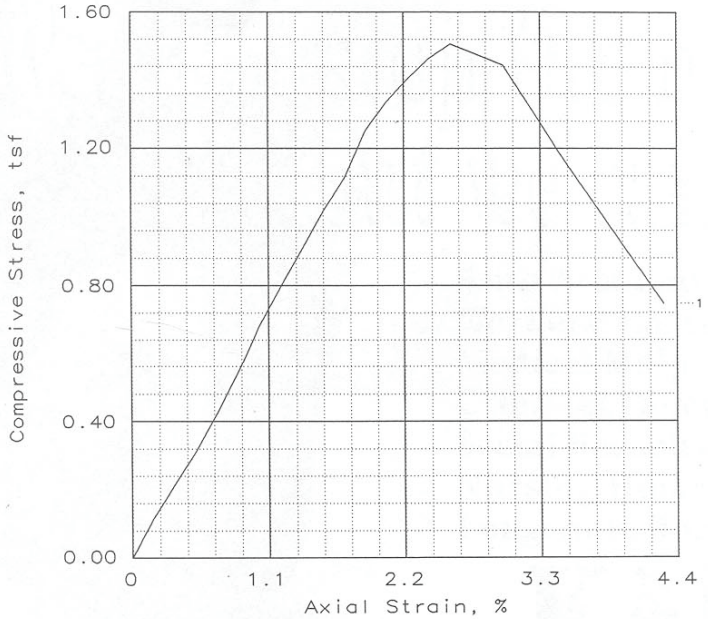
UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	1.51			
Undrained shear strength, tsf	0.75			
Failure strain, %	2.6			
Strain rate, %/min	2.00			
Water content, %	24.2			
Wet density, pcf	126.5			
Dry density, pcf	101.8			
Saturation, %	102.7			
Void ratio	0.6252			
Specimen diameter, in	2.85			
Specimen height, in	5.82			
Height/diameter ratio	2.04			

Description: Clay Sl Silty Reddish Brown

			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

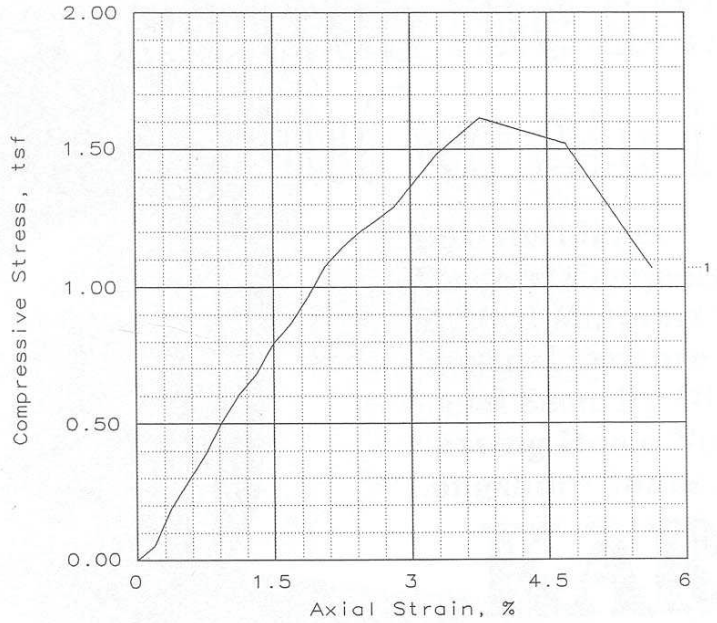
Location: Anderson Golf Course

Fig. No.: 02 UC

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	1.61			
Undrained shear strength, tsf	0.81			
Failure strain, %	3.8			
Strain rate, %/min	2.00			
Water content, %	27.5			
Wet density, pcf	122.9			
Dry density, pcf	96.4			
Saturation, %	101.7			
Void ratio	0.7165			
Specimen diameter, in	2.85			
Specimen height, in	5.32			
Height/diameter ratio	1.87			

Description: Clay Silty Reddish Brown

GS= 2.65 | Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 25 May 2003

Remarks:

Testing Sample @7.0ft

Client: RSP Architects

Project: Ft. Knox Housing

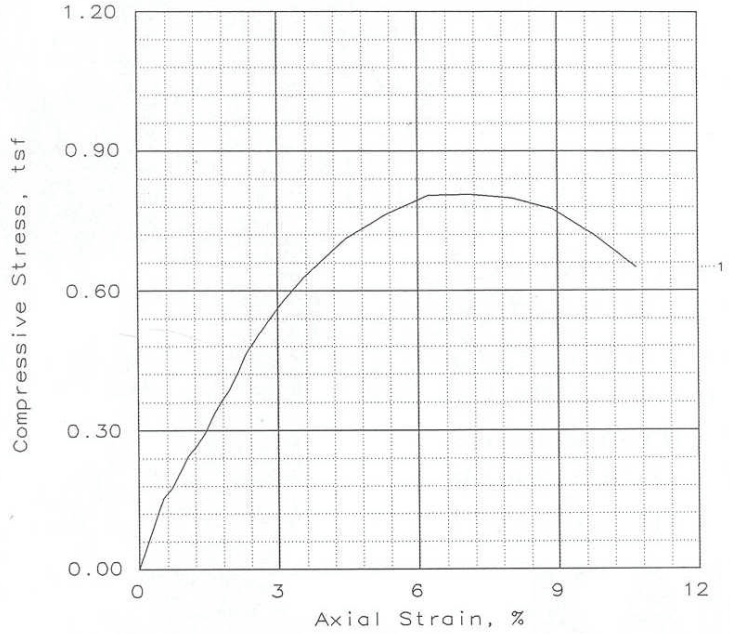
Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

Fig. No.: 2aUC

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	0.81			
Undrained shear strength, tsf	0.40			
Failure strain, %	7.1			
Strain rate, %/min	2.00			
Water content, %	24.6			
Wet density, pcf	123.3			
Dry density, pcf	99.0			
Saturation, %	97.0			
Void ratio	0.6712			
Specimen diameter, in	2.85			
Specimen height, in	5.62			
Height/diameter ratio	1.97			

Description: Clay SI Silty Reddish Brown

			GS= 2.65	Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 20 May 2003

Remarks:

Testing Sample @3.2ft

Client: RSP Architects

Project: Ft. Knox Housing

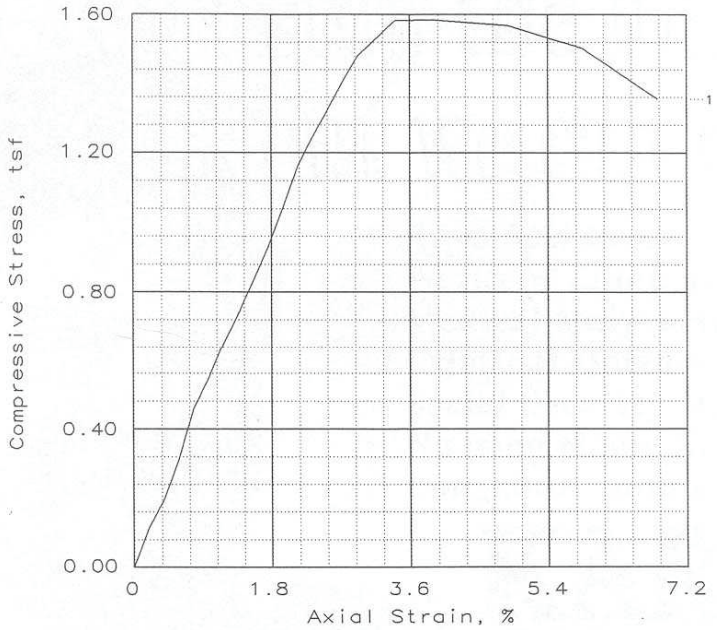
Location: Anderson Golf Course

Fig. No.: 09 UC

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	1.58			
Undrained shear strength, tsf	0.79			
Failure strain, %	3.9			
Strain rate, %/min	2.00			
Water content, %	28.2			
Wet density, pcf	122.6			
Dry density, pcf	95.6			
Saturation, %	102.5			
Void ratio	0.7300			
Specimen diameter, in	2.85			
Specimen height, in	5.13			
Height/diameter ratio	1.80			

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

			GS= 2.65	Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 10 May 2003

Remarks:

Testing Sample @7.3ft

Client: RSP Architects

Project: Ft. Knox Housing

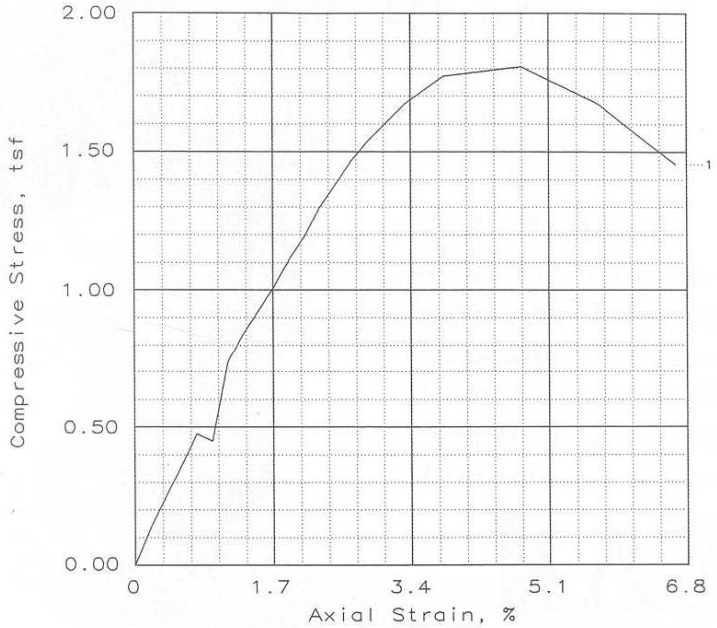
Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

Fig. No.: 12 UC

AMEC Earth & Environmental

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	1.81			
Undrained shear strength, tsf	0.90			
Failure strain, %	4.8			
Strain rate, %/min	2.00			
Water content, %	25.4			
Wet density, pcf	124.2			
Dry density, pcf	99.0			
Saturation, %	100.3			
Void ratio	0.6702			
Specimen diameter, in	2.85			
Specimen height, in	5.25			
Height/diameter ratio	1.84			

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

GS= 2.65 | Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 10 May 2003

Remarks:

Testing Sample @6.8ft

Client: RSP Architects

Project: Ft. Knox Housing

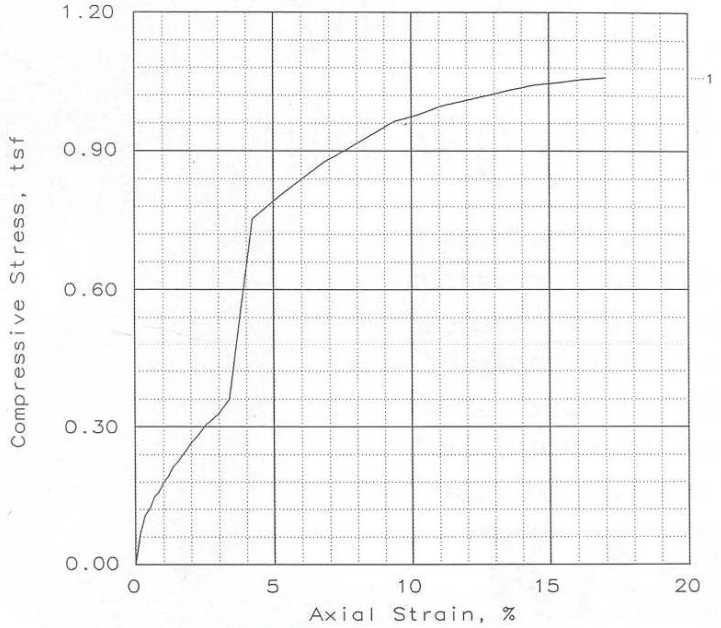
Location: Anderson Golf Course

Fig. No.: 12aUC

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	1.06			
Undrained shear strength, tsf	0.53			
Failure strain, %	17.0			
Strain rate, %/min	2.00			
Water content, %	23.6			
Wet density, pcf	128.4			
Dry density, pcf	103.9			
Saturation, %	105.5			
Void ratio	0.5917			
Specimen diameter, in	2.85			
Specimen height, in	5.87			
Height/diameter ratio	2.06			

Description: Silt Sl Clayey Brown

			GS= 2.65	Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 20 May 2003

Remarks:

Testing Sample @3.2ft

Client: RSP Architects

Project: Ft. Knox Housing

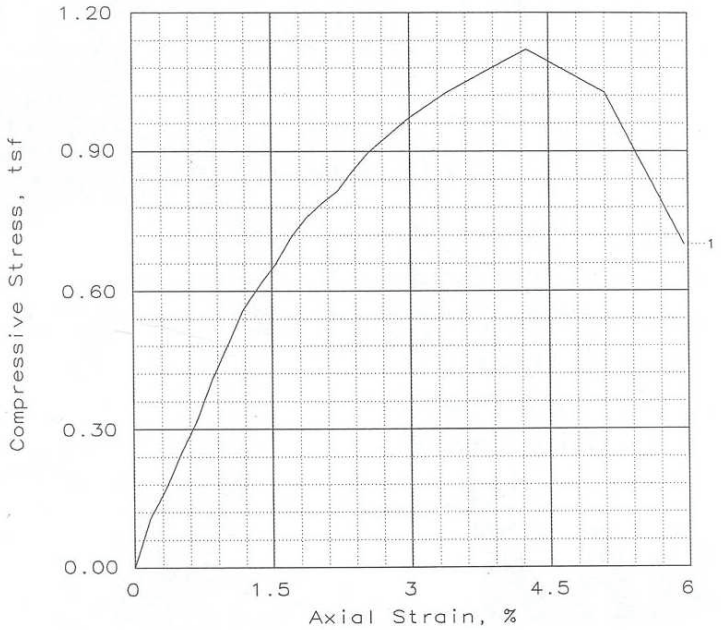
Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

Fig. No.: 18 UC

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	1.12			
Undrained shear strength, tsf	0.56			
Failure strain, %	4.3			
Strain rate, %/min	2.00			
Water content, %	34.2			
Wet density, pcf	118.5			
Dry density, pcf	88.3			
Saturation, %	103.8			
Void ratio	0.8737			
Specimen diameter, in	2.85			
Specimen height, in	5.87			
Height/diameter ratio	2.06			

Description: Silt Sl Clayey Brown

			GS= 2.65	Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 20 May 2003

Remarks:

Testing Sample @4.0ft

Client: RSP Architects

Project: Ft. Knox Housing

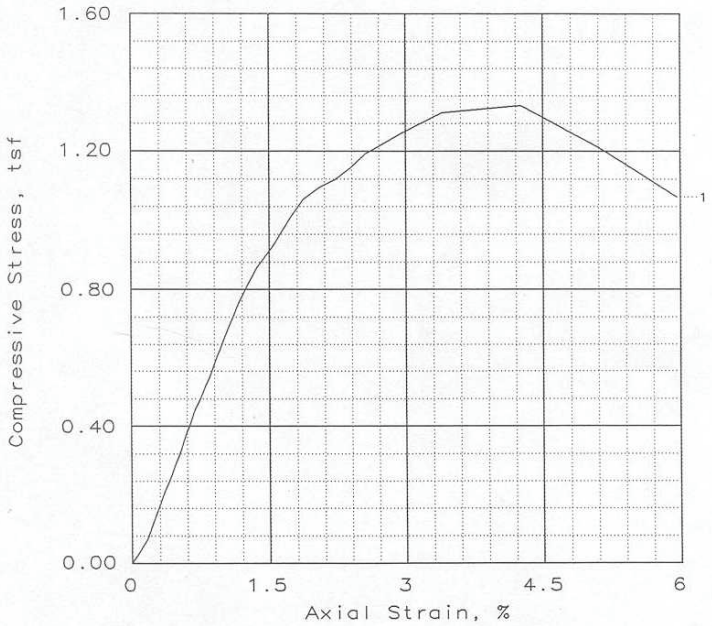
Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

Fig. No.: 20 UC

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	1.33			
Undrained shear strength, tsf	0.67			
Failure strain, %	4.3			
Strain rate, %/min	2.00			
Water content, %	41.2			
Wet density, pcf	114.9			
Dry density, pcf	81.4			
Saturation, %	105.6			
Void ratio	1.0332			
Specimen diameter, in	2.85			
Specimen height, in	5.87			
Height/diameter ratio	2.06			

Description: Clay Sl Silty Reddish Brown

			GS= 2.65	Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 25 May 2003

Remarks:

Testing Sample @4.5ft

Fig. No.: 20aUC

Client: RSP Architects

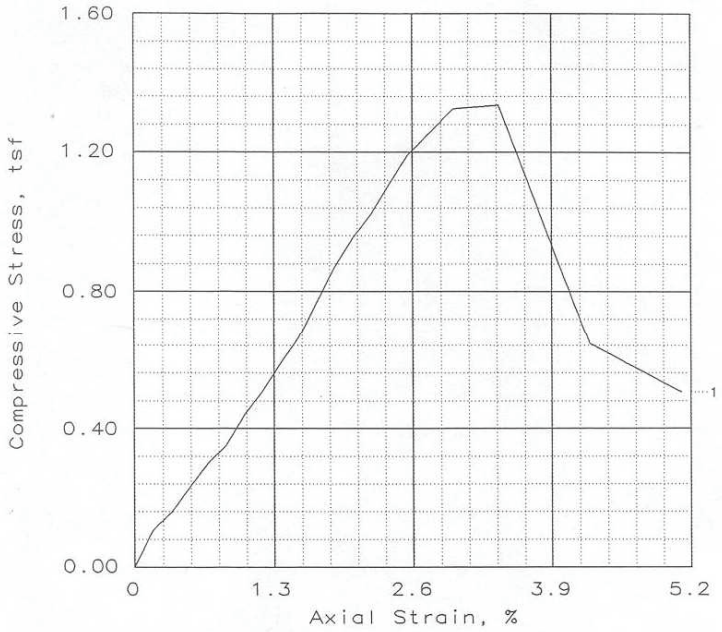
Project: Ft. Knox Housing

Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	1.34			
Undrained shear strength, tsf	0.67			
Failure strain, %	3.4			
Strain rate, %/min	2.00			
Water content, %	18.3			
Wet density, pcf	131.4			
Dry density, pcf	111.1			
Saturation, %	99.1			
Void ratio	0.4885			
Specimen diameter, in	2.85			
Specimen height, in	5.87			
Height/diameter ratio	2.06			

Description: Silt Clayey Reddish Brown Sl Sandy

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

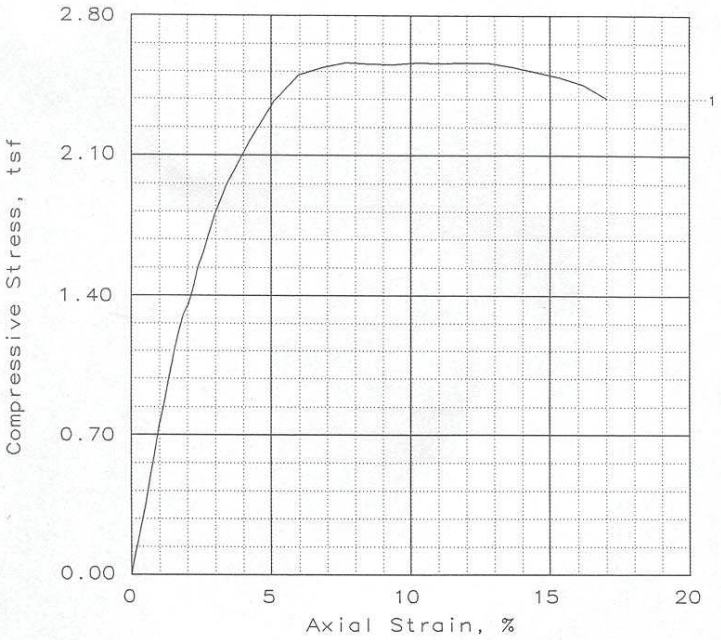
Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

Fig. No.: 21 UC

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	2.56			
Undrained shear strength, tsf	1.28			
Failure strain, %	11.9			
Strain rate, %/min	2.00			
Water content, %	20.4			
Wet density, pcf	131.7			
Dry density, pcf	109.3			
Saturation, %	105.5			
Void ratio	0.5130			
Specimen diameter, in	2.85			
Specimen height, in	5.87			
Height/diameter ratio	2.06			

Description: Clay SI Silty Reddish Brown w/Rock

			GS= 2.65	Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 17 May 2003

Remarks:

Testing Sample @3.3ft

Client: RSP Architects

Project: Ft. Knox Housing

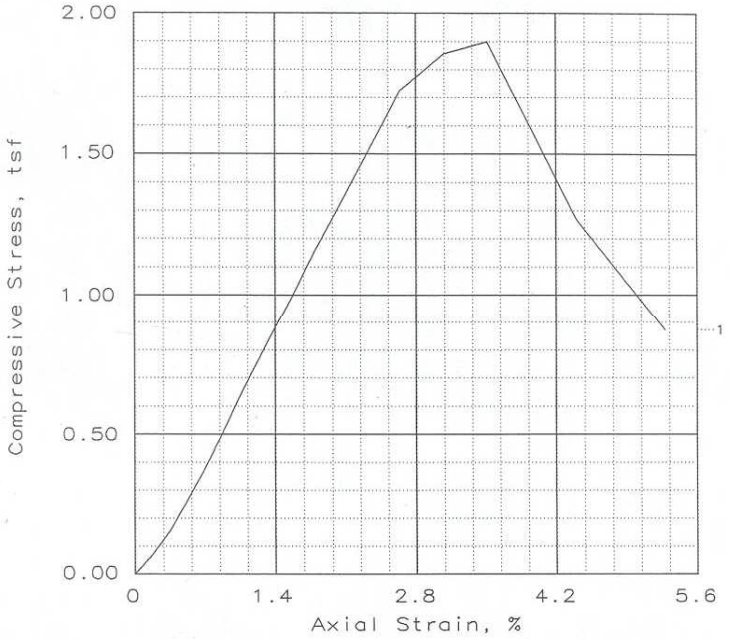
Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

Fig. No.: 22 UC

AMEC Earth & Environmental

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	1.90			
Undrained shear strength, tsf	0.95			
Failure strain, %	3.5			
Strain rate, %/min	2.00			
Water content, %	25.3			
Wet density, pcf	125.7			
Dry density, pcf	100.3			
Saturation, %	103.2			
Void ratio	0.6489			
Specimen diameter, in	2.85			
Specimen height, in	5.68			
Height/diameter ratio	1.99			

Description: Clay Sl Silty Reddish Brown

			GS= 2.65	Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 20 May 2003

Remarks:

Testing Sample @3.5ft

Client: RSP Architects

Project: Ft. Knox Housing

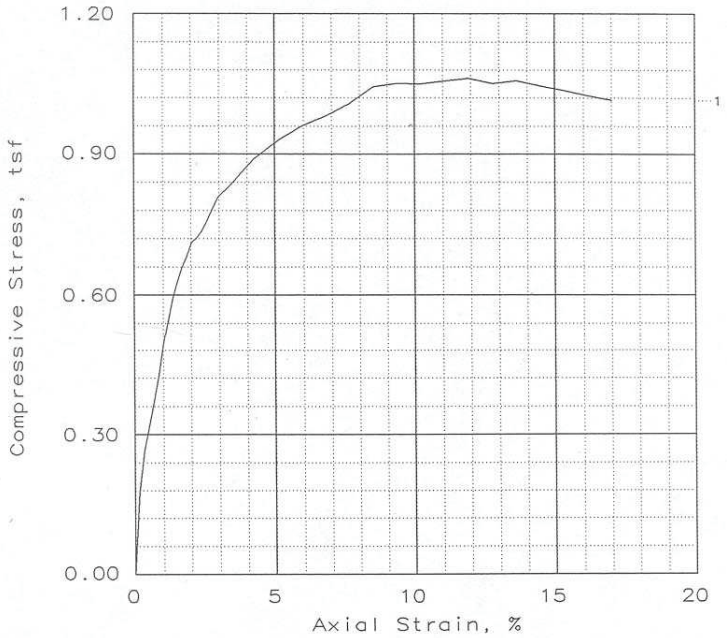
Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

Fig. No.: 24 UC

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	1.06			
Undrained shear strength, tsf	0.53			
Failure strain, %	11.9			
Strain rate, %/min	2.00			
Water content, %	23.8			
Wet density, pcf	125.4			
Dry density, pcf	101.3			
Saturation, %	99.4			
Void ratio	0.6332			
Specimen diameter, in	2.85			
Specimen height, in	5.87			
Height/diameter ratio	2.06			

Description: Clay Sl Silty Brown

			GS= 2.65	Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 17 May 2003

Remarks:

Testing Sample @4.8ft

Client: RSP Architects

Project: Ft. Knox Housing

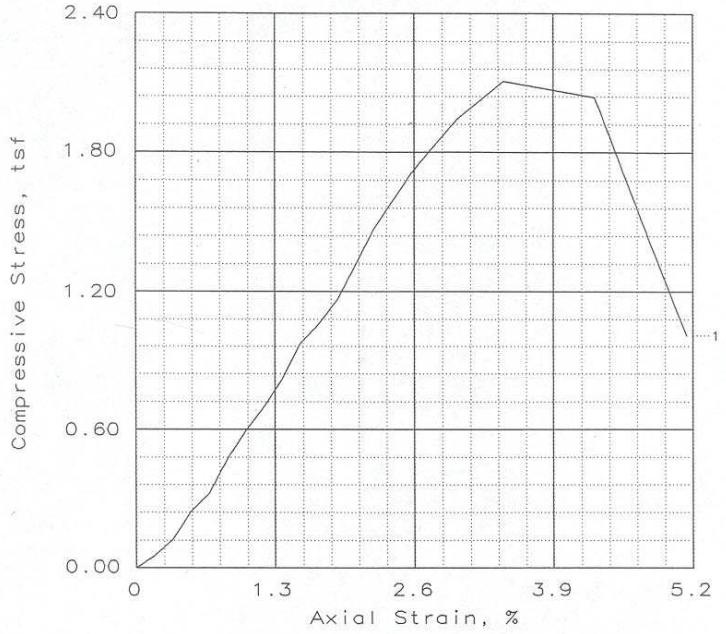
Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

Fig. No.: 25 UC

UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	2.11			
Undrained shear strength, tsf	1.05			
Failure strain, %	3.4			
Strain rate, %/min	2.00			
Water content, %	26.6			
Wet density, pcf	124.4			
Dry density, pcf	98.2			
Saturation, %	103.1			
Void ratio	0.6839			
Specimen diameter, in	2.85			
Specimen height, in	5.83			
Height/diameter ratio	2.05			

Description: Clay SI Silty Reddish Brown

			GS= 2.65	Type: Shelby Tube

Project No.: 3-7590-0000-0000

Date: 17 May 2003

Remarks:

Testing Sample @5.3ft

Client: RSP Architects

Project: Ft. Knox Housing

Location: Anderson Golf Course

UNCONFINED COMPRESSION TEST

AMEC Earth & Environmental

Fig. No.: 25aUC