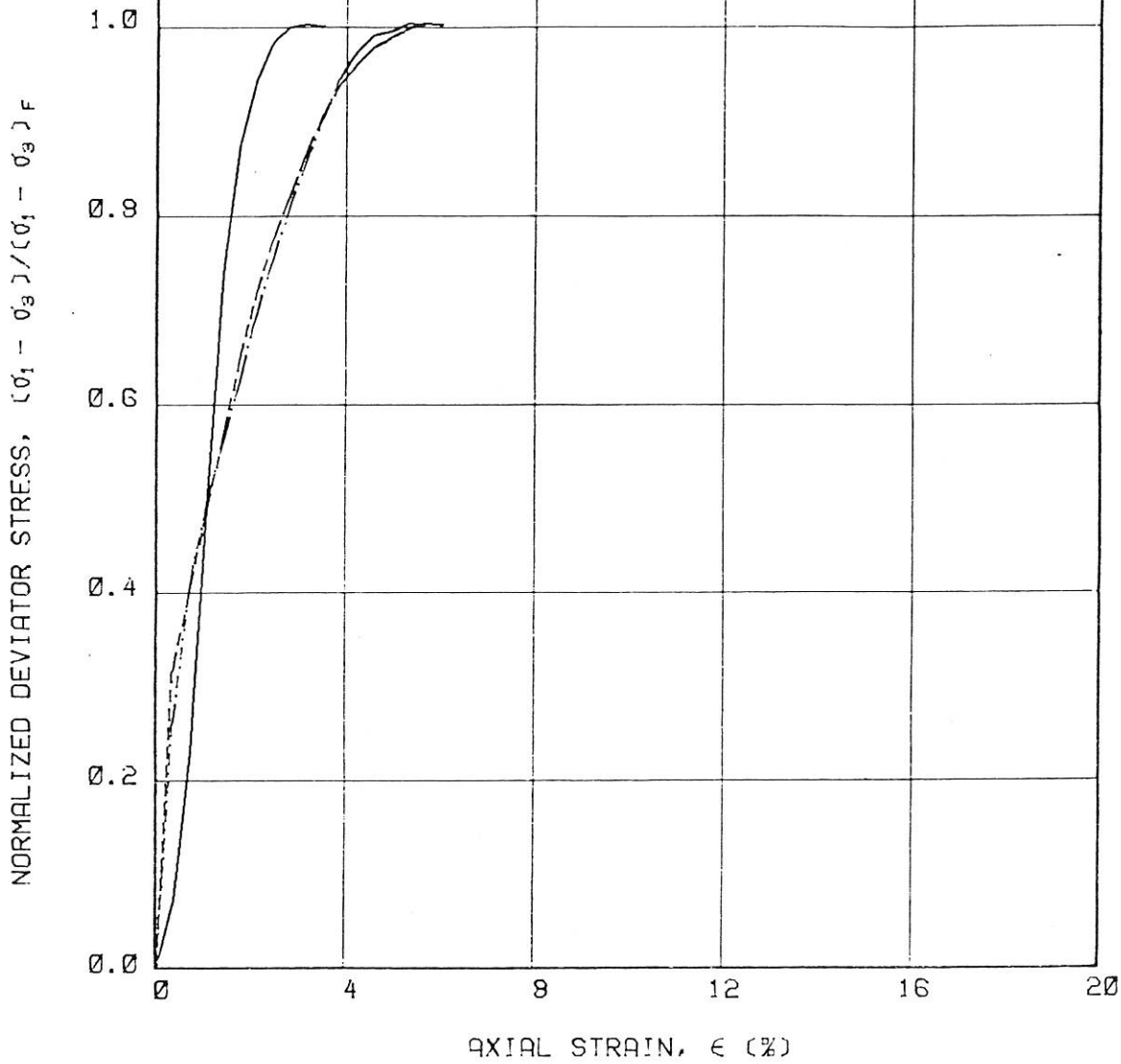
Isles Derrieres
Boring Logs
Obtained May 19

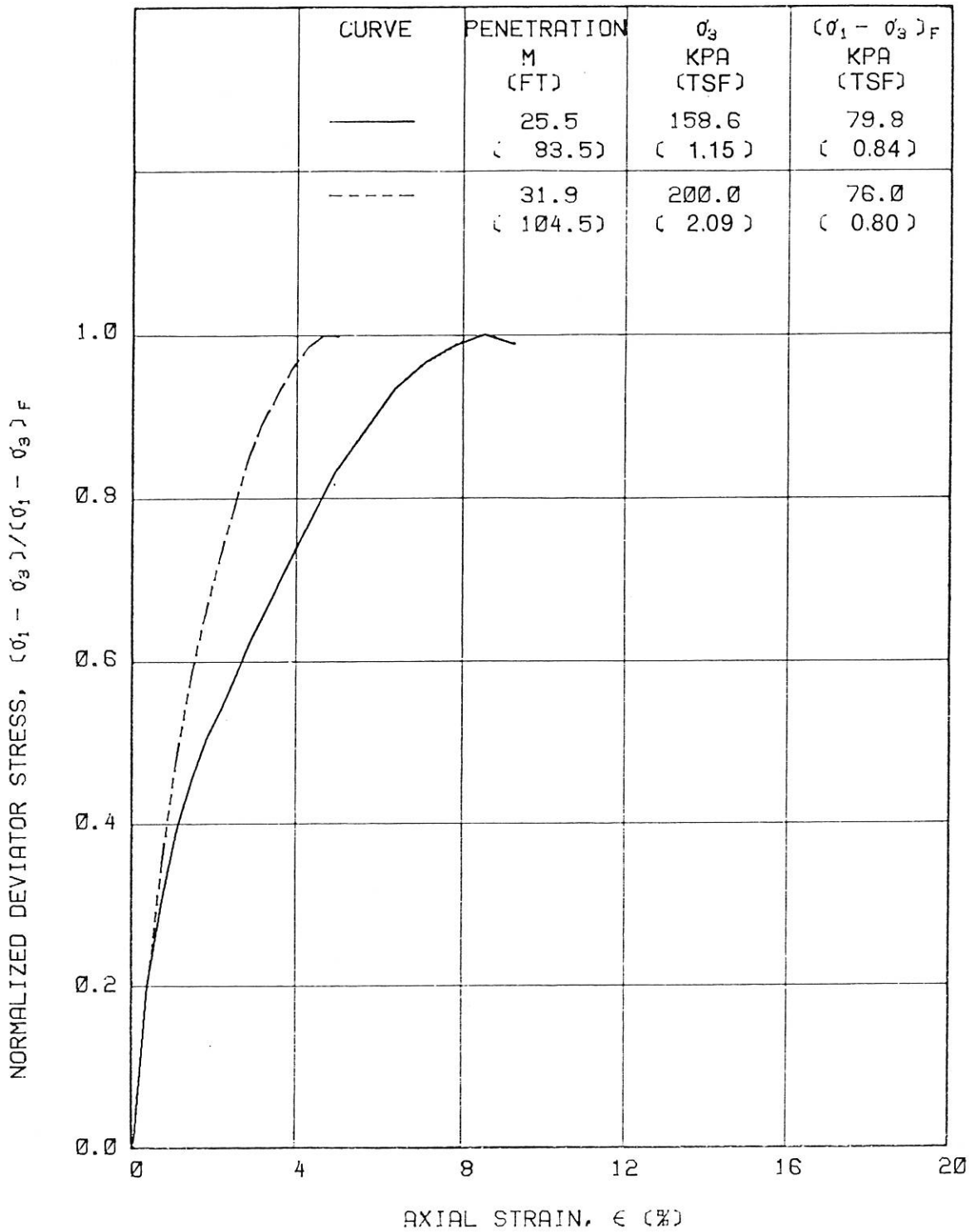
CURVE	PENETRATION M (FT)	σ_3 KPA (TSF)	$(\sigma_1 - \sigma_3)_F$ KPA (TSF)
———	2.7 (9.0)	20.7 (0.22)	45.4 (0.47)
- - - - -	5.6 (18.5)	34.5 (0.36)	45.3 (0.24)
-·-·-·-	14.9 (49.0)	96.5 (1.00)	56.5 (0.24)



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 1

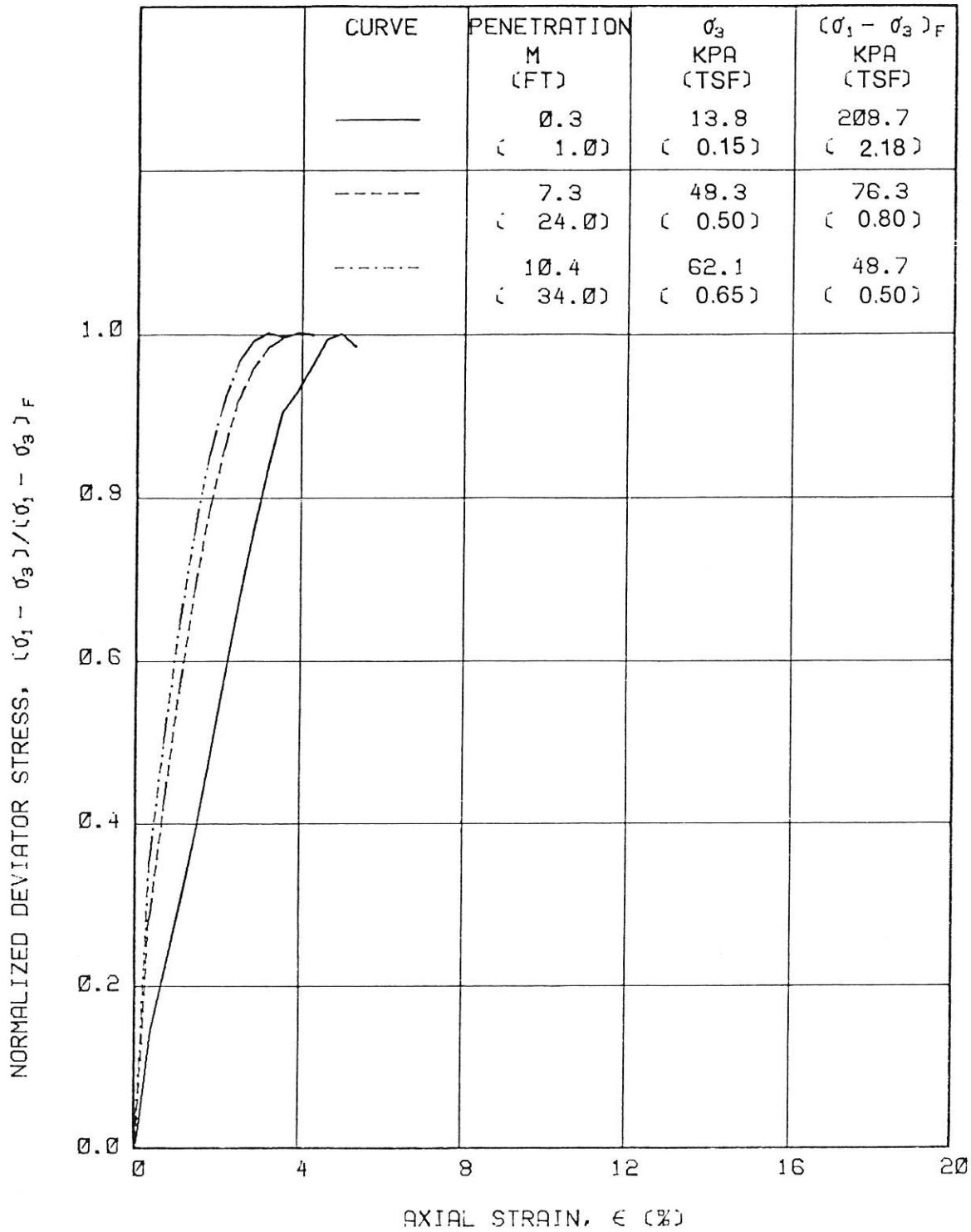


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 1

282-0190-2

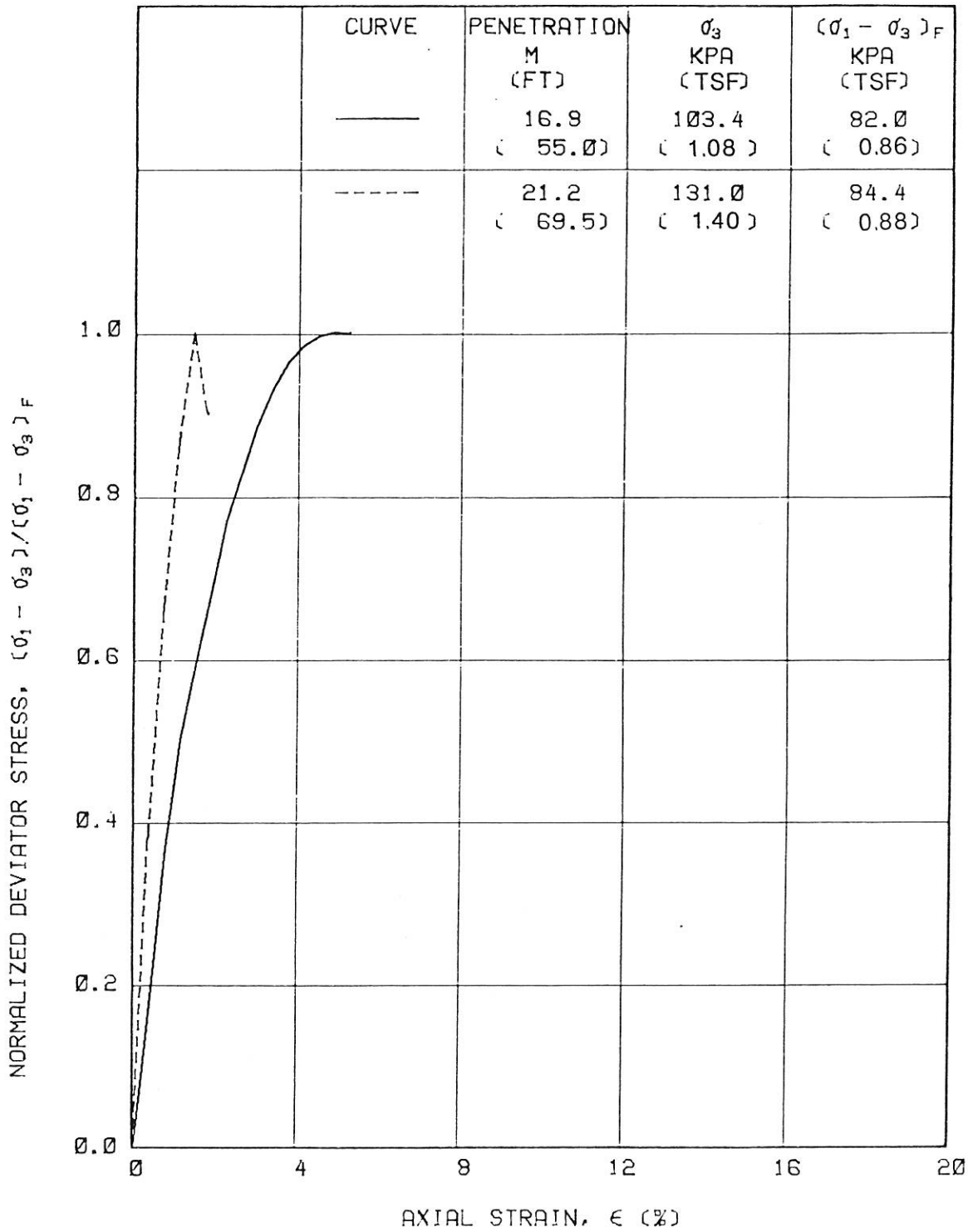


CURVE	PENETRATION M (FT)	σ_3 KPA (TSF)	$(\sigma_1 - \sigma_3)_F$ KPA (TSF)
———	0.3 (1.0)	13.8 (0.15)	208.7 (2.18)
- - - - -	7.3 (24.0)	48.3 (0.50)	76.3 (0.80)
-·-·-·-	10.4 (34.0)	62.1 (0.65)	48.7 (0.50)

STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 2

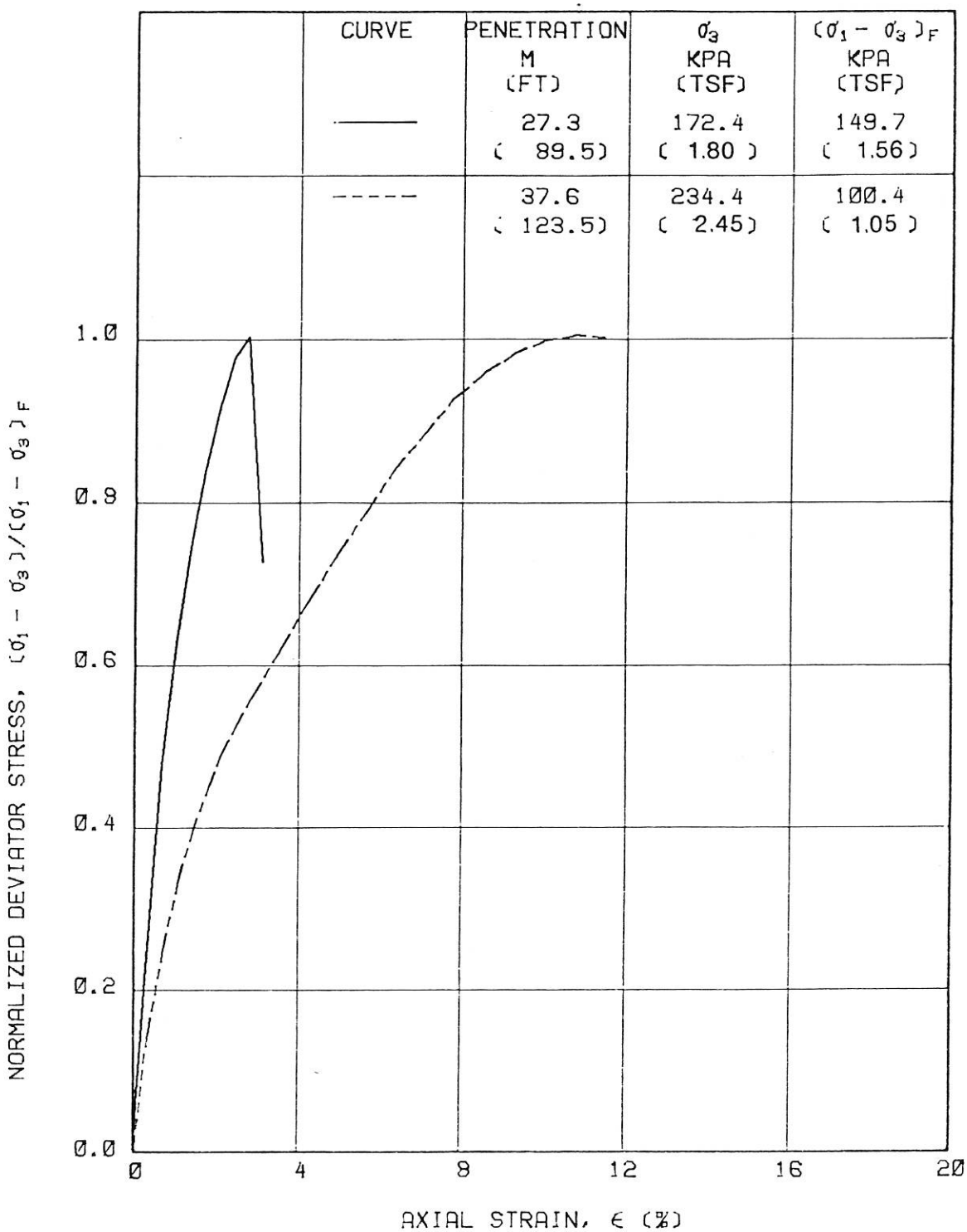


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 2

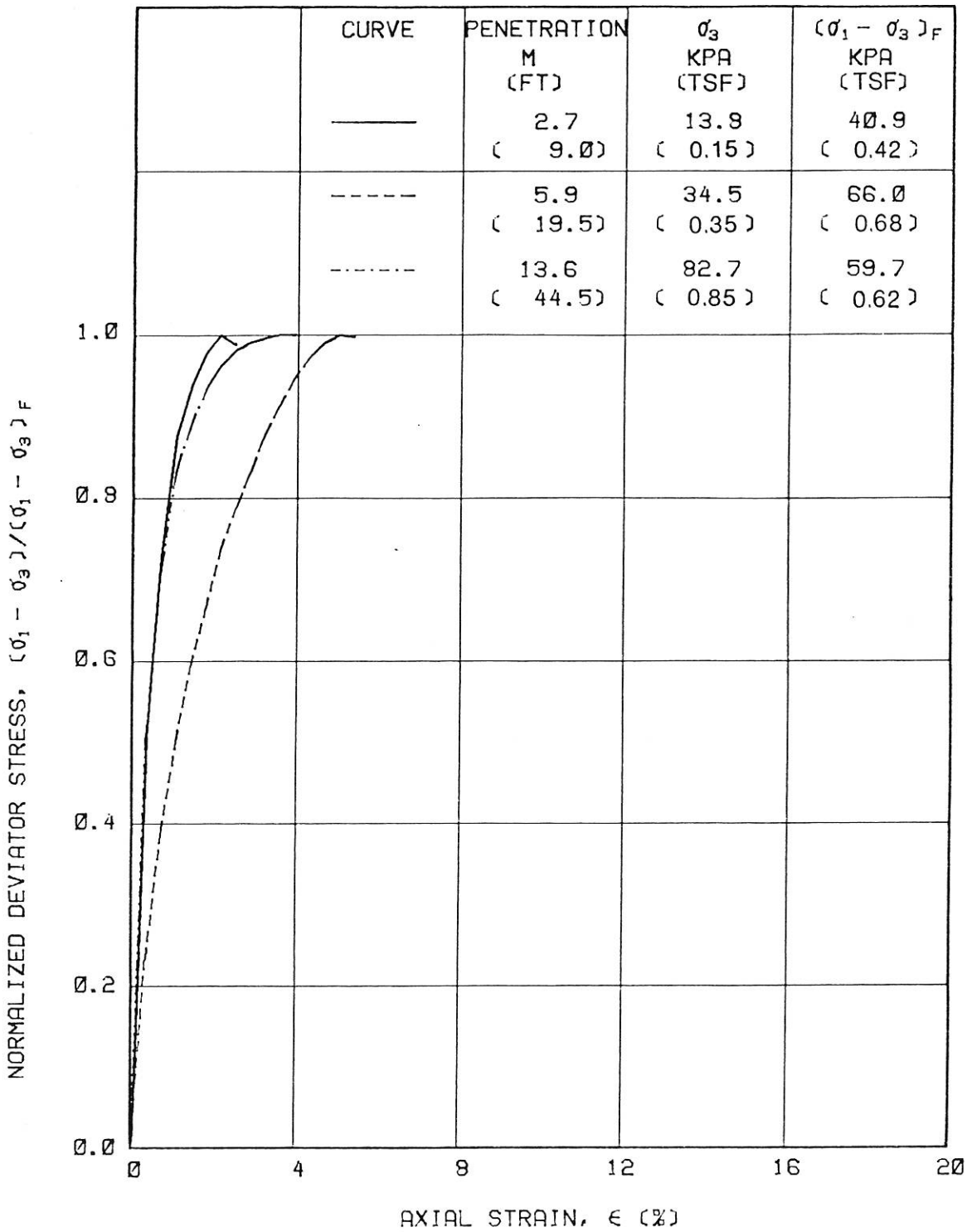
2-0610-282



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

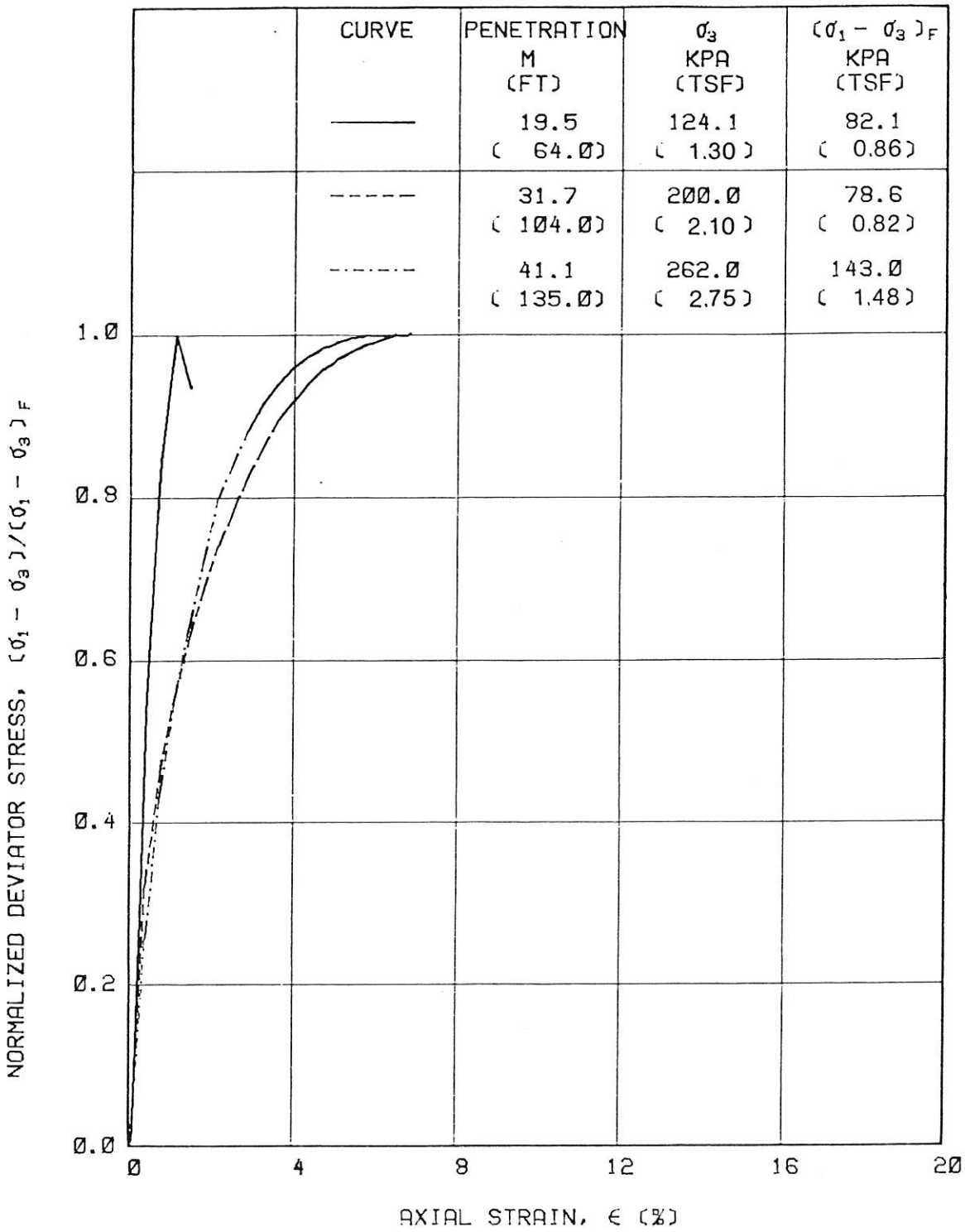
BORING 2



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

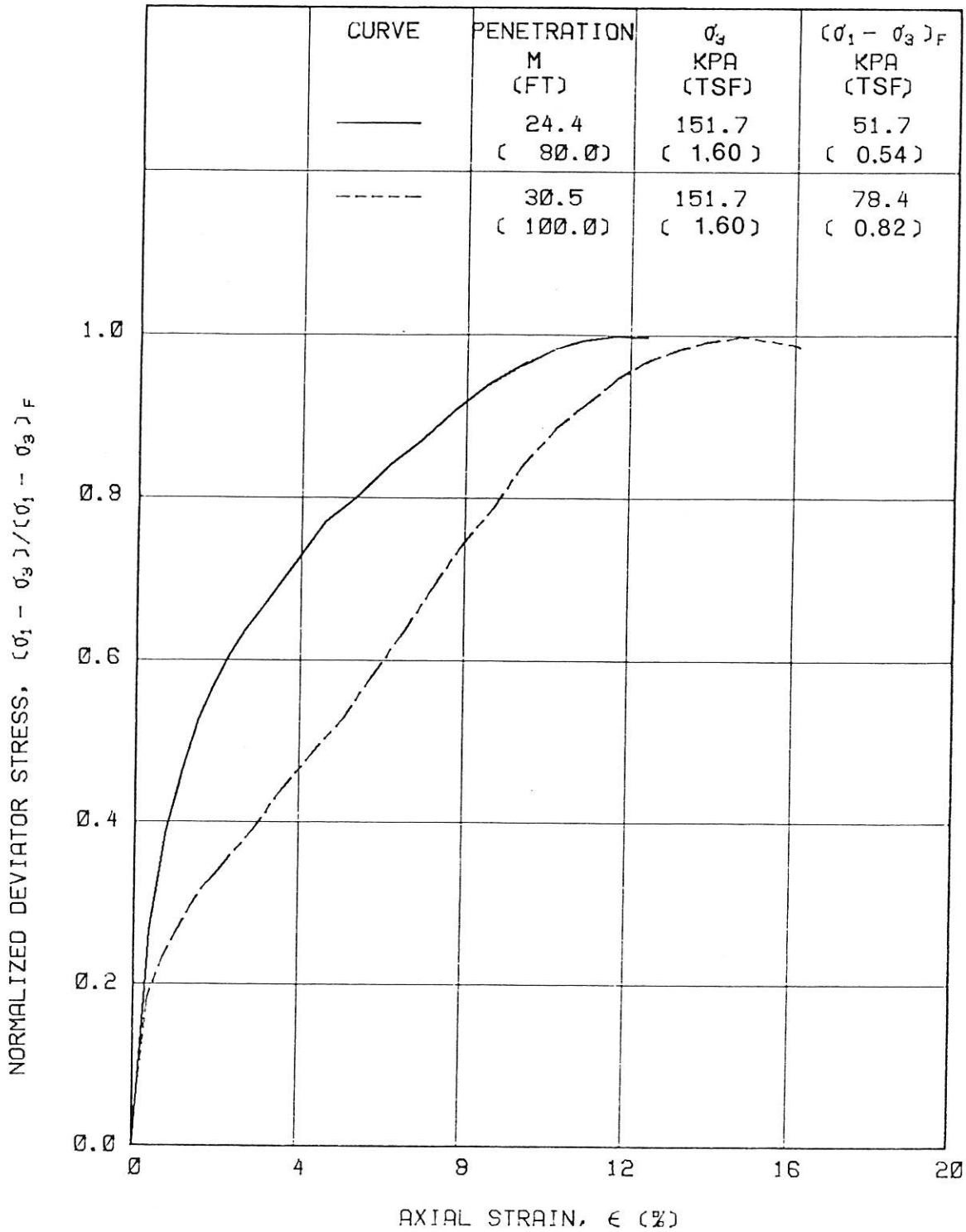
BORING 3



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

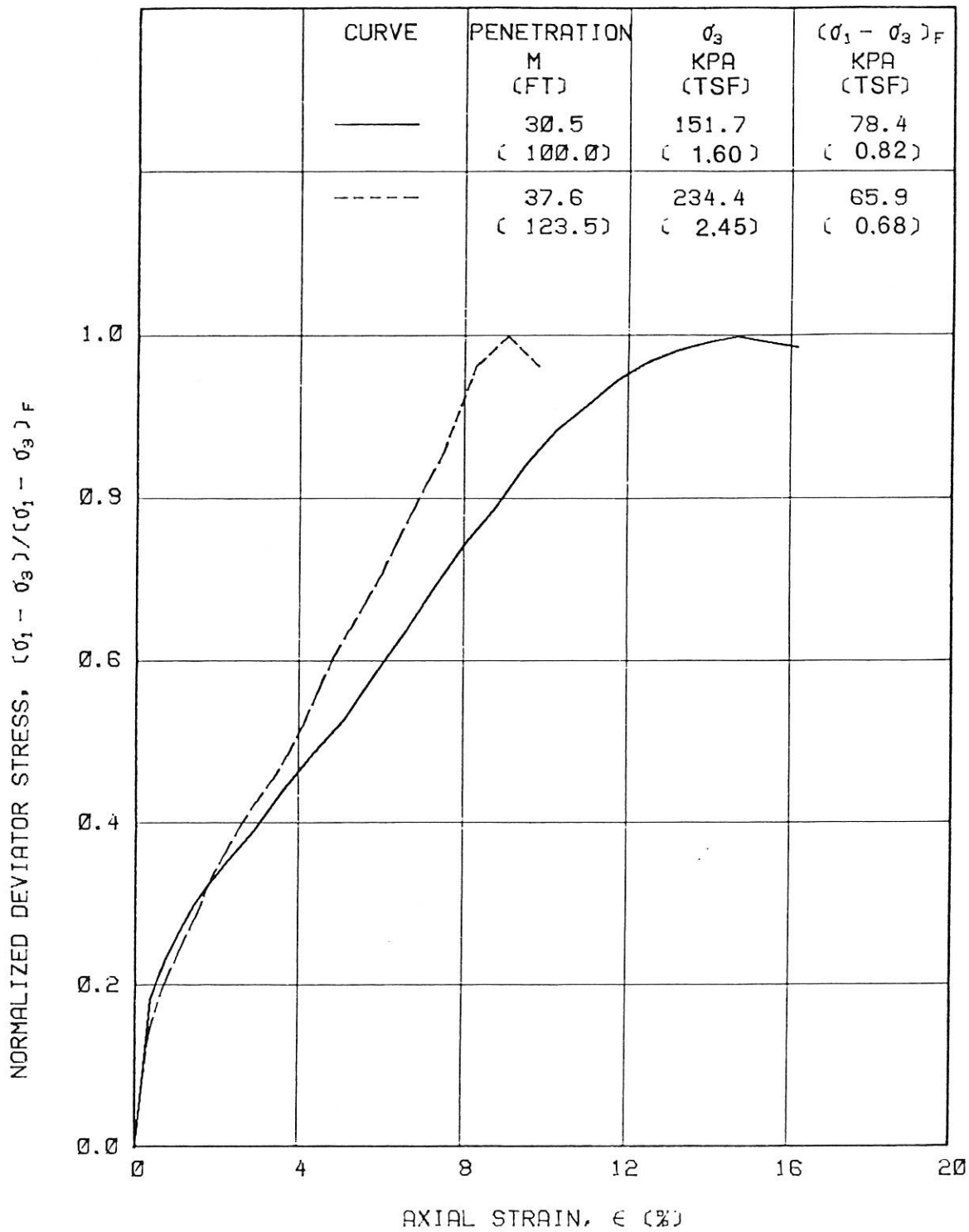
BORING 3



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

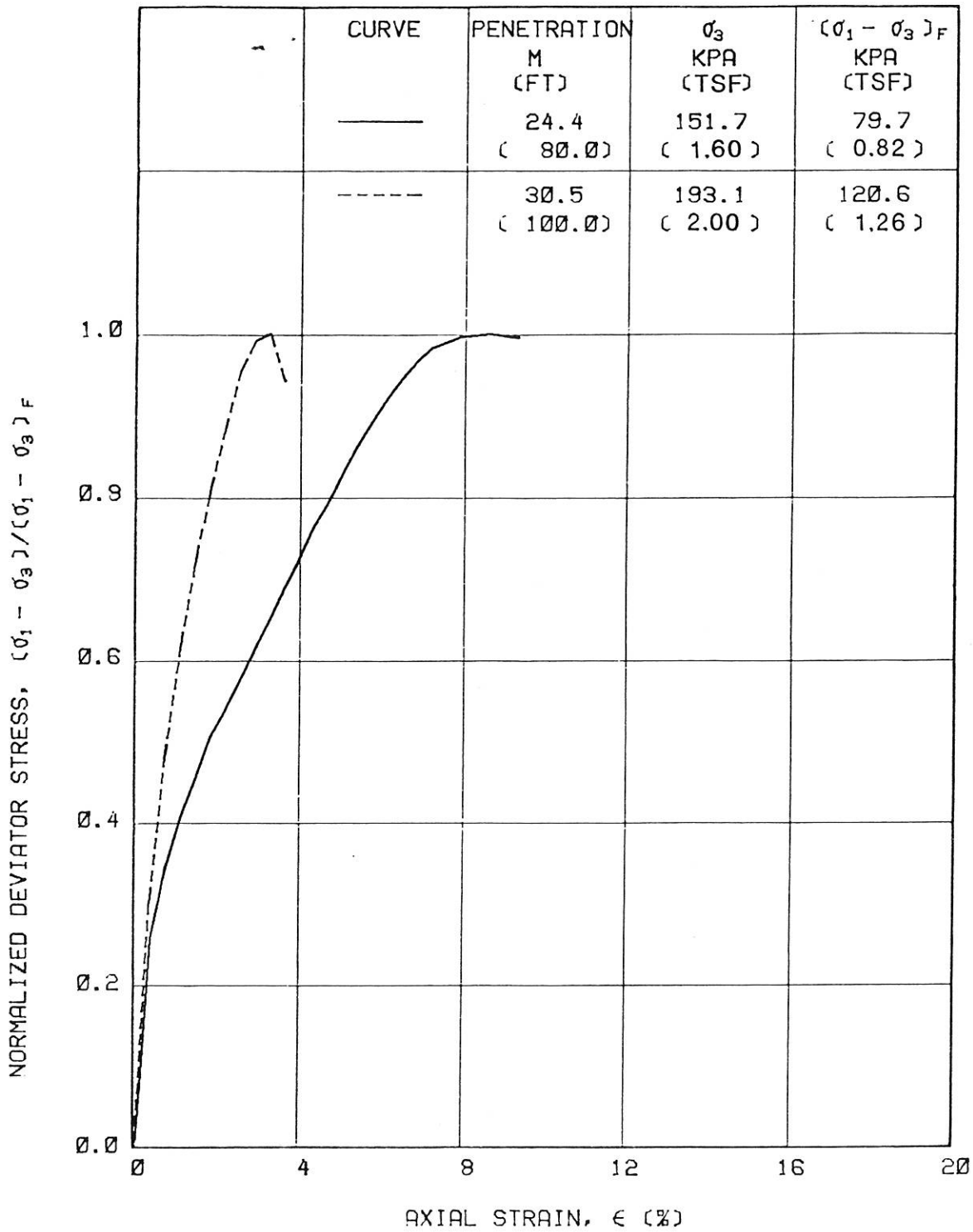
BORING 4



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

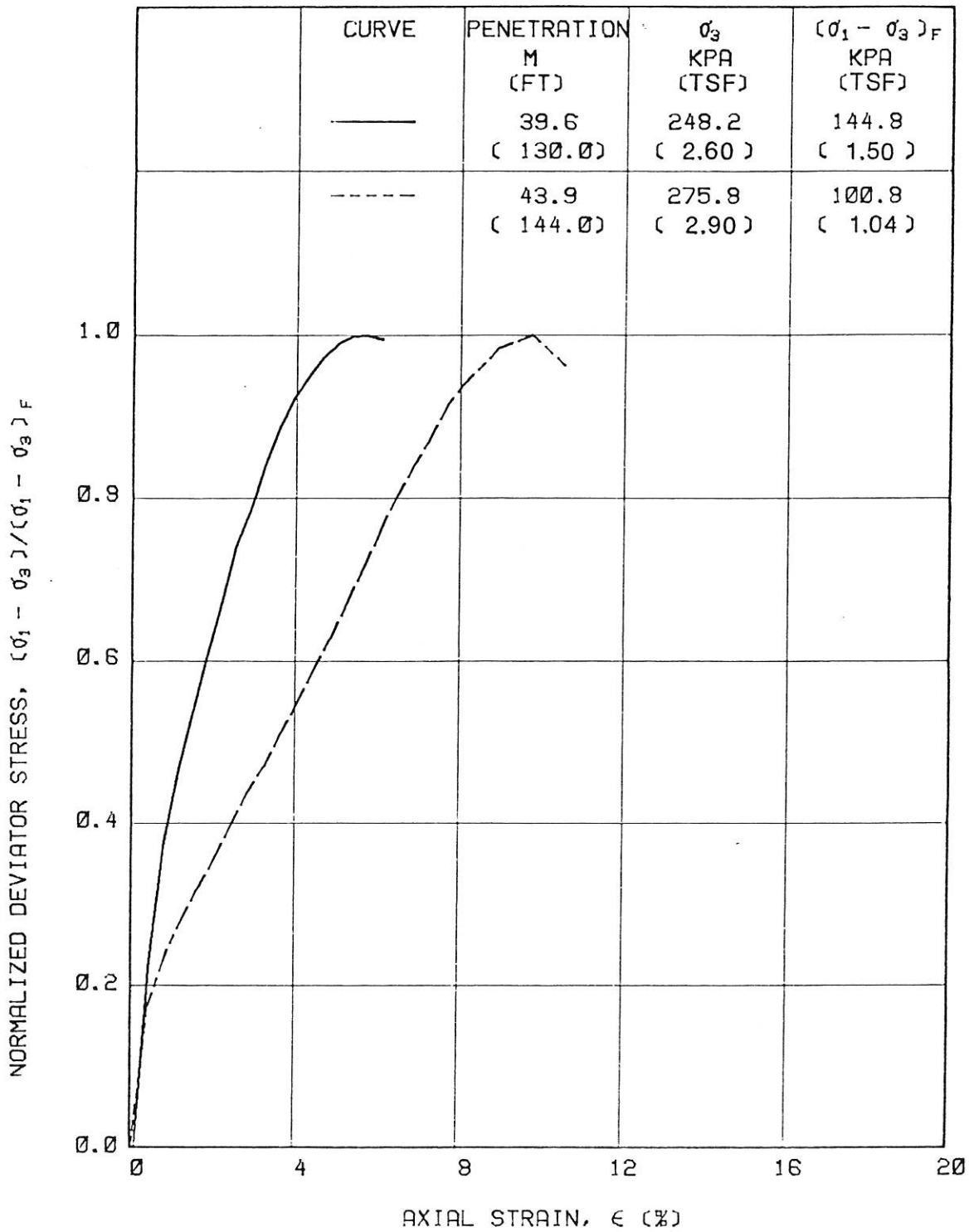
BORING 4



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

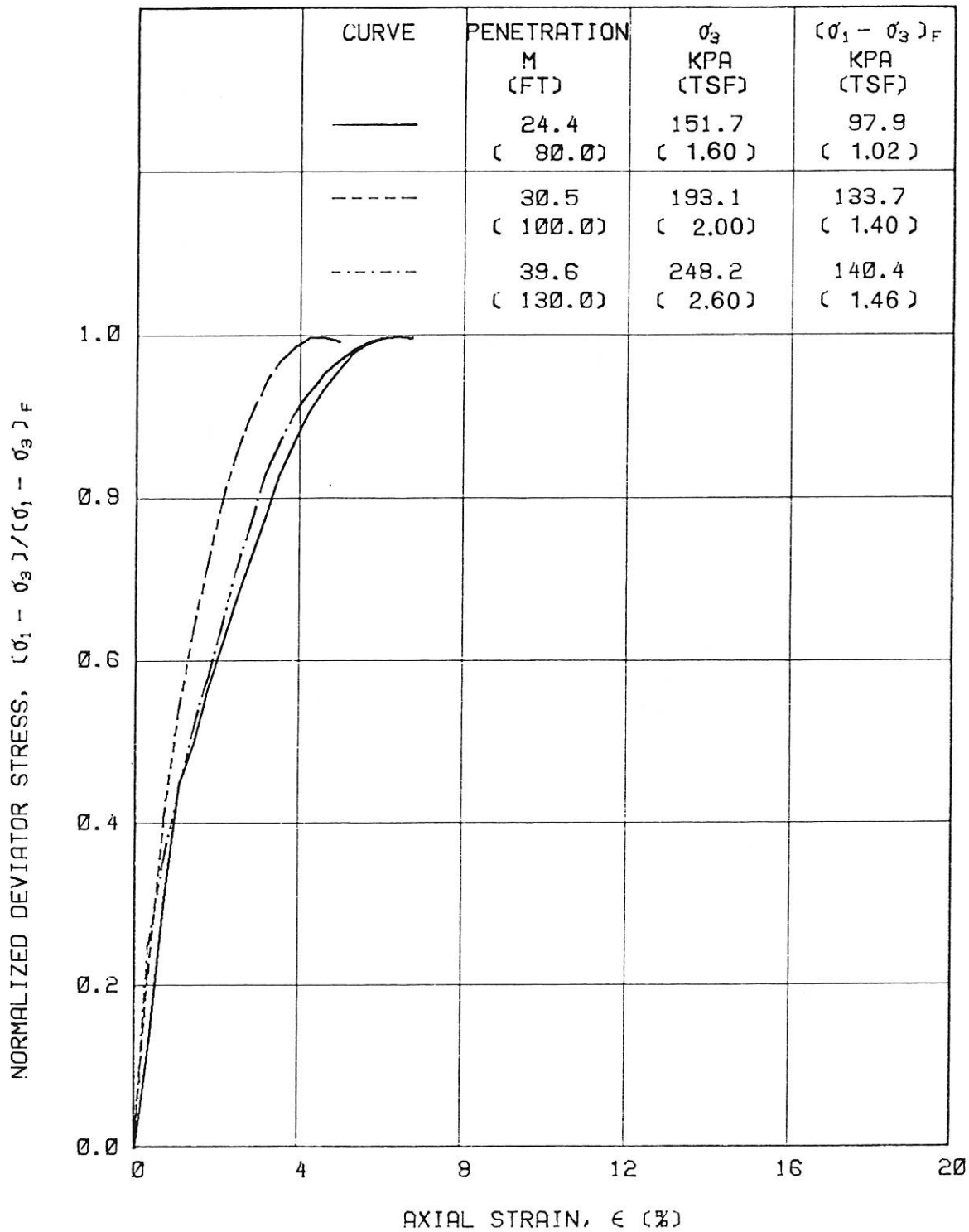
BORING 5



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

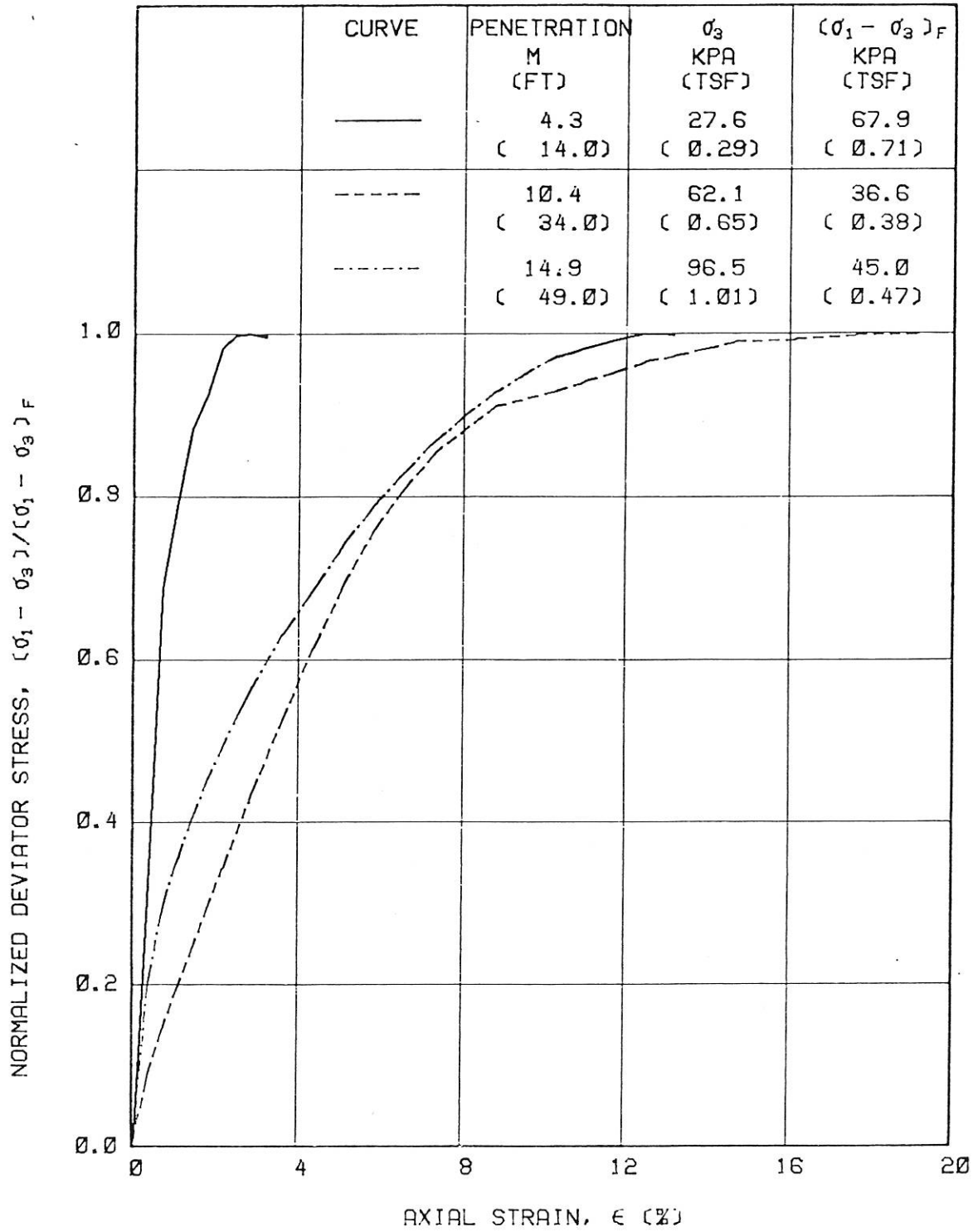
BORING 5



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

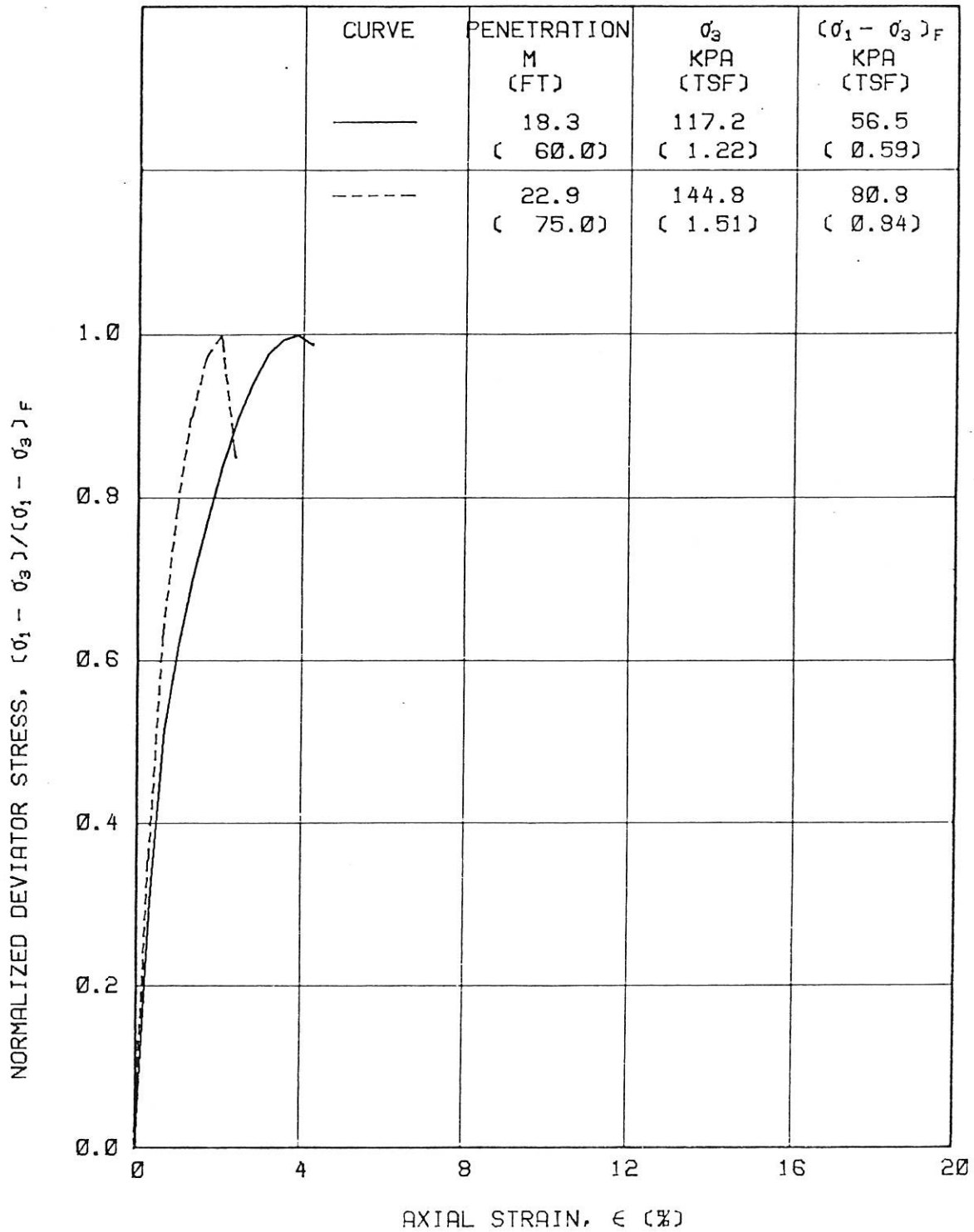
BORING 6



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

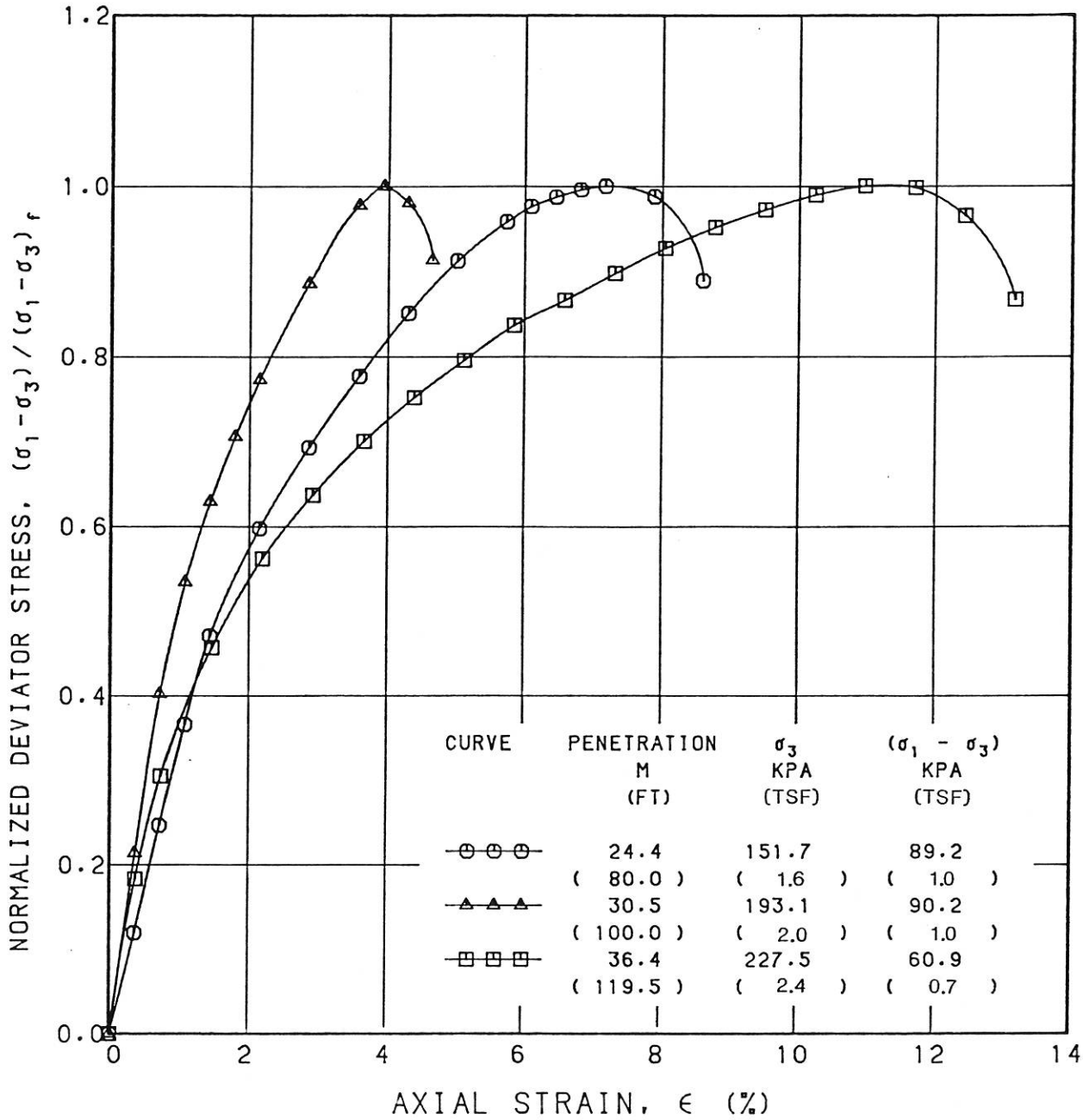
BORING 7



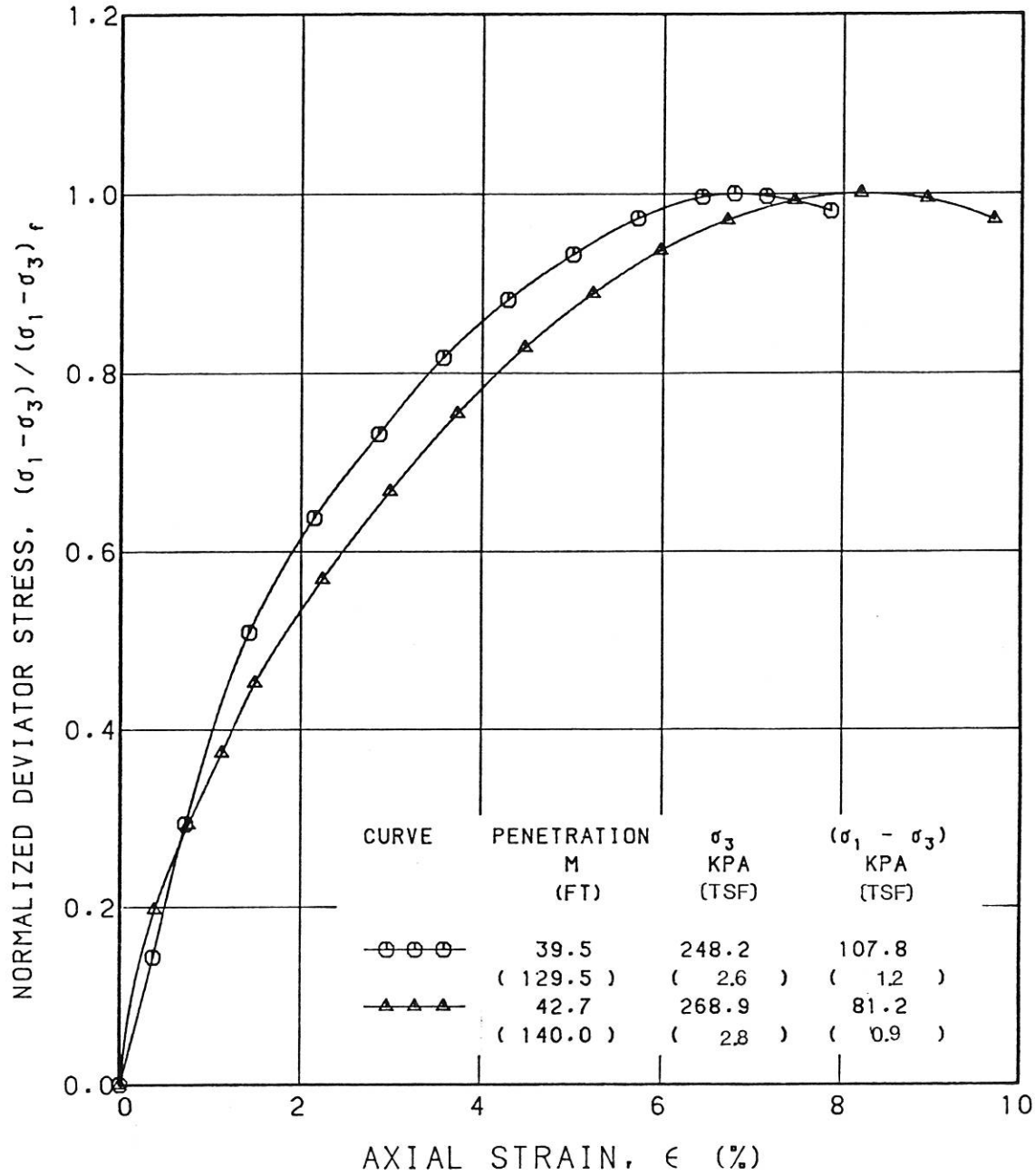
STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

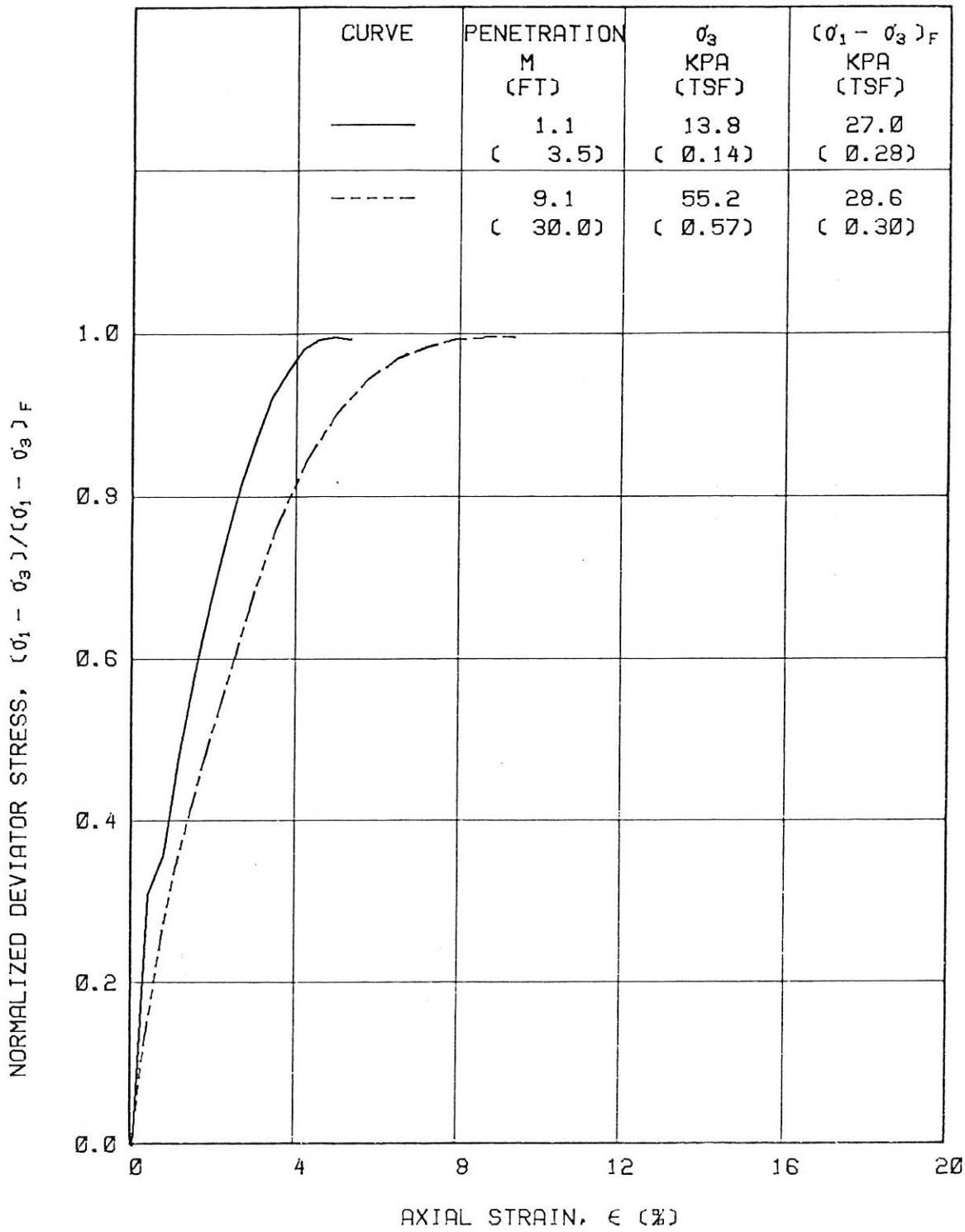
BORING 7



STRESS-STRAIN CURVES
UNCONSOLIDATED UNDRAINED TRIAXIAL TEST
BORING 8



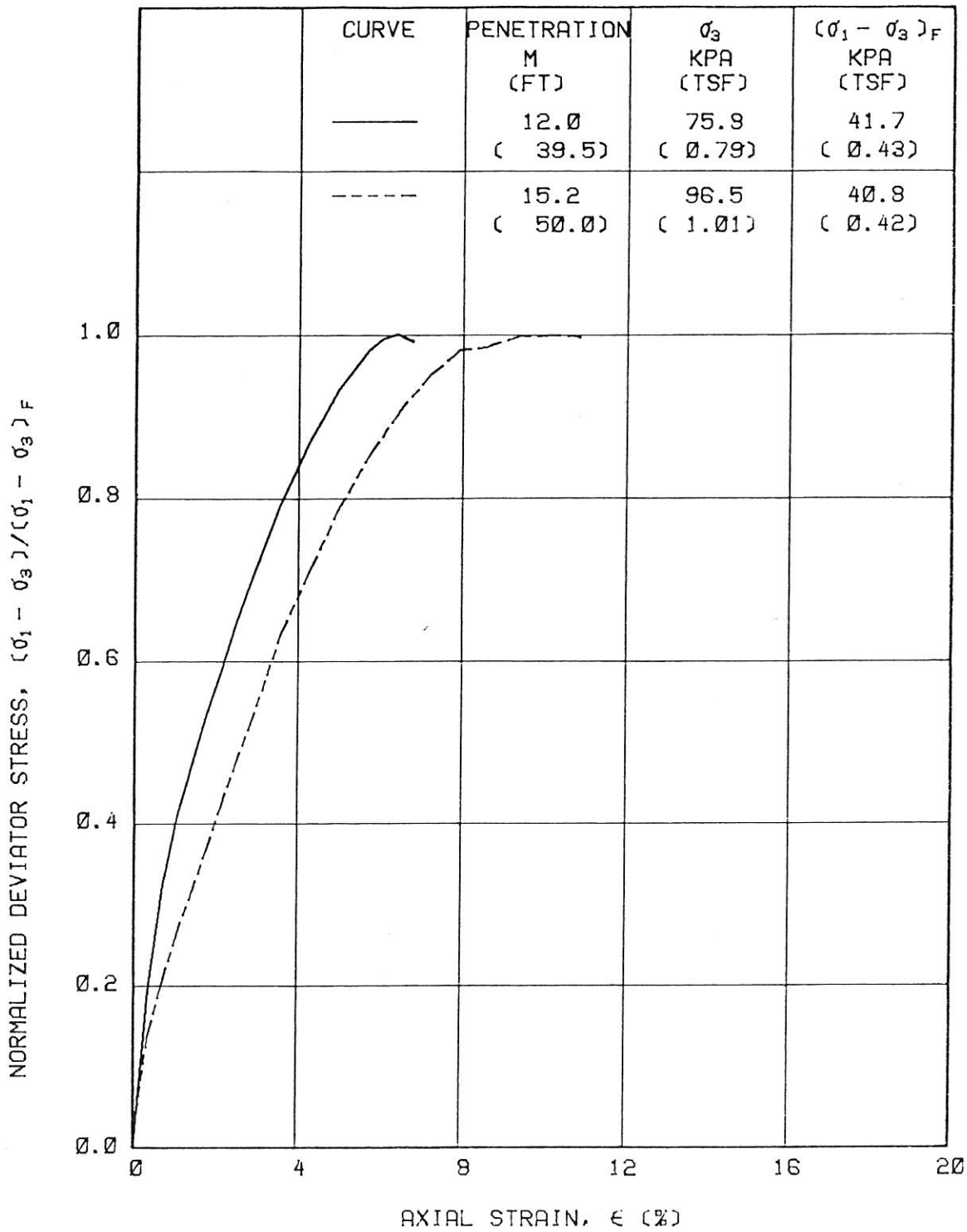
STRESS-STRAIN CURVES
UNCONSOLIDATED UNDRAINED TRIAXIAL TEST
BORING 8



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

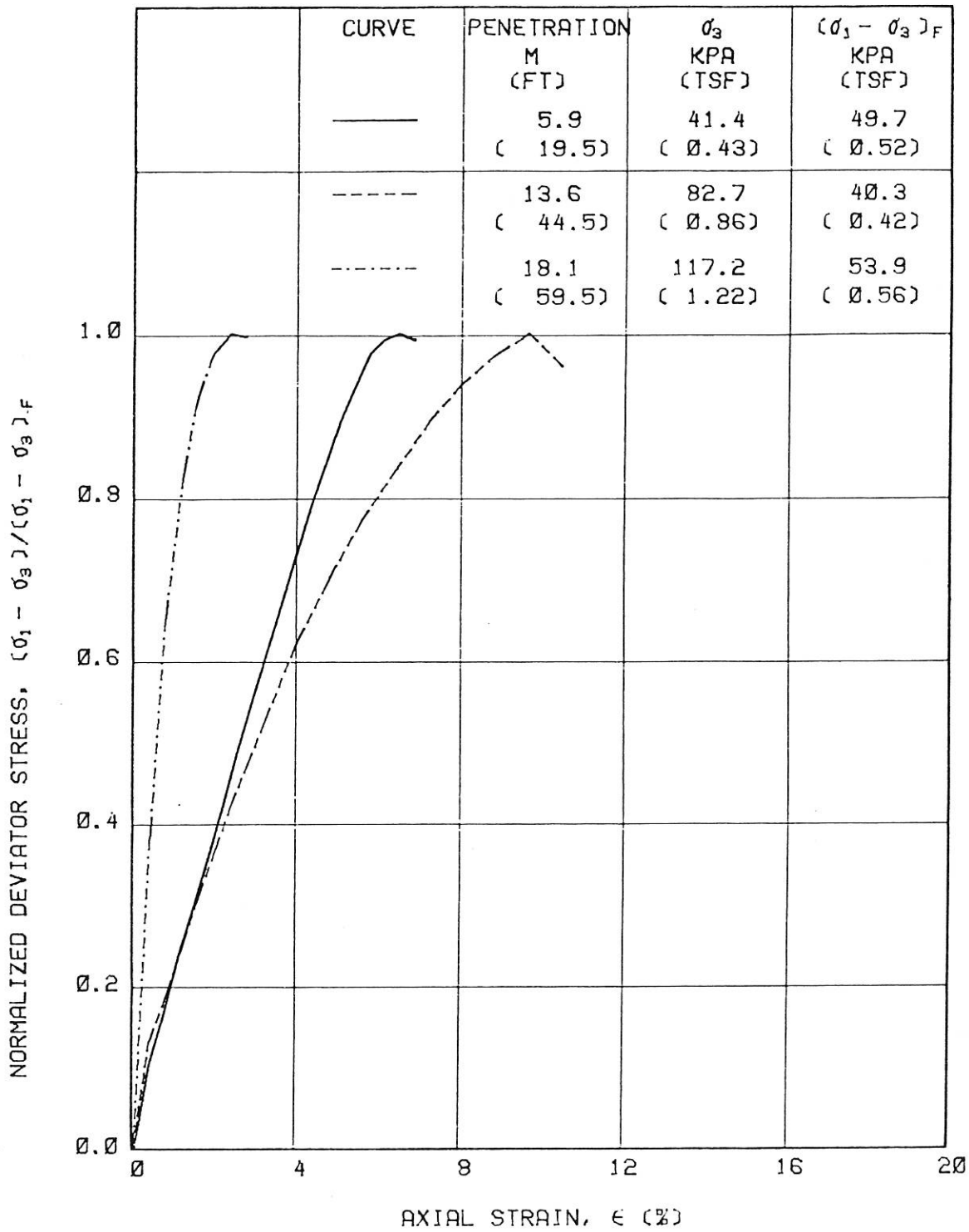
BORING 9



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 9

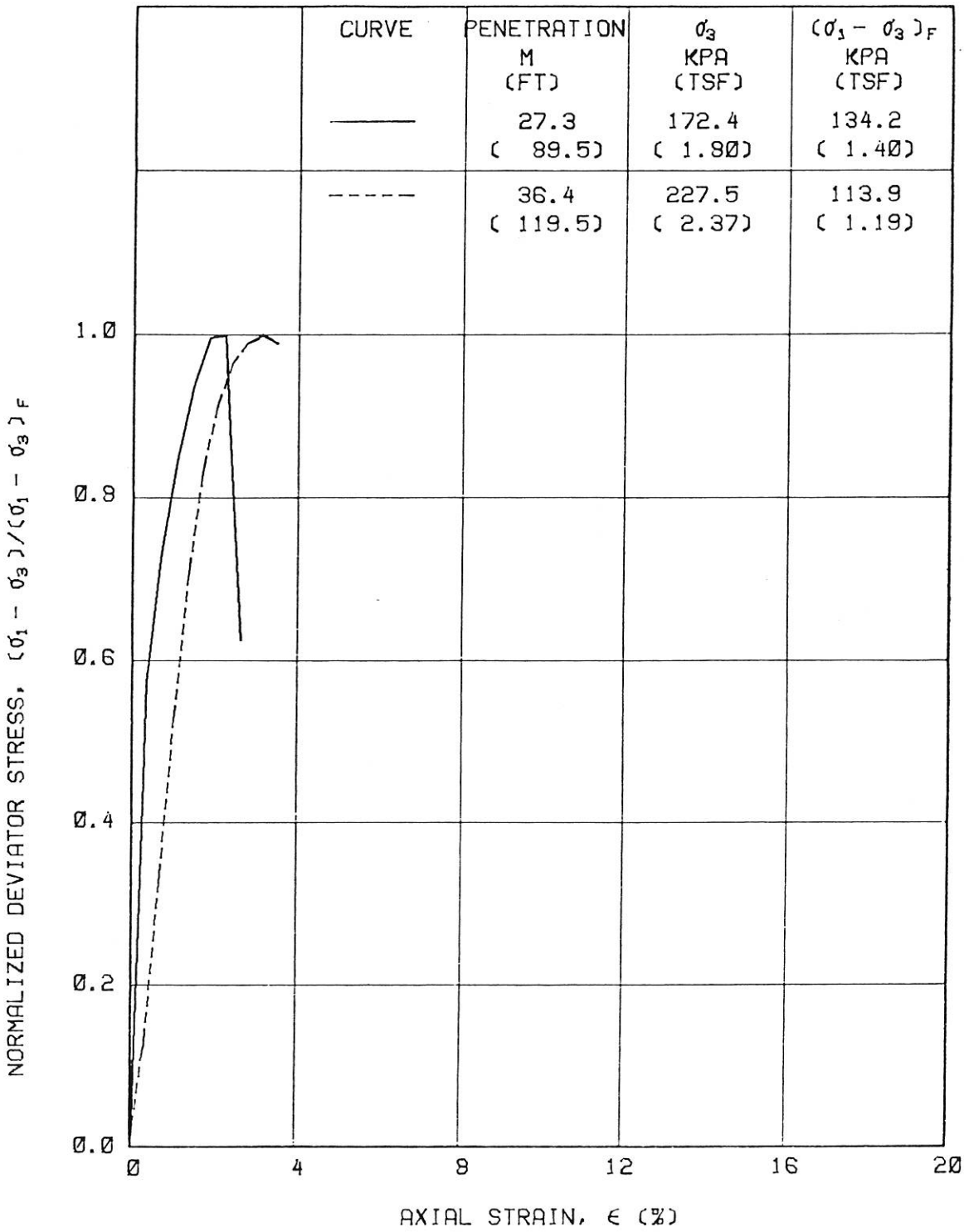


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 10

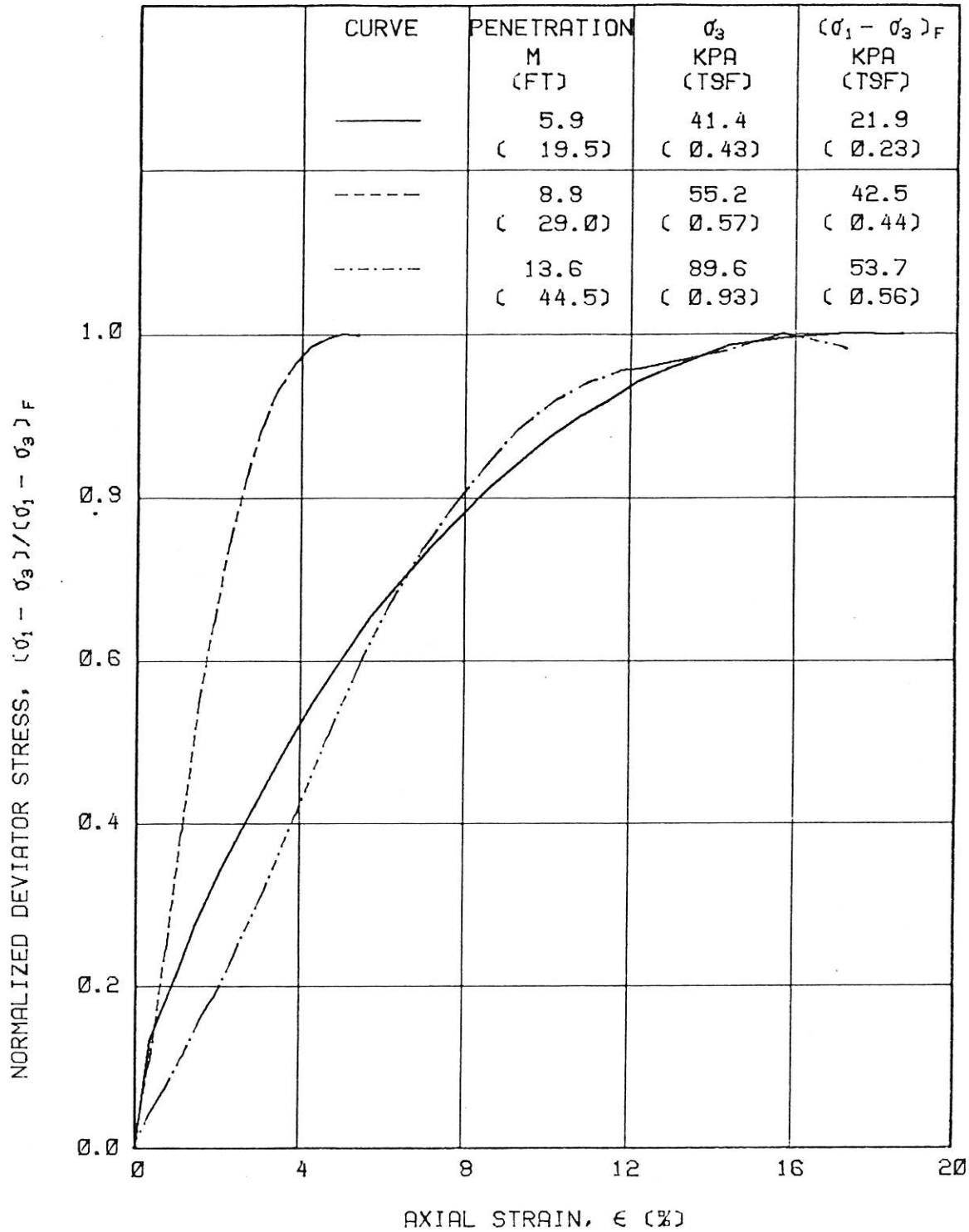
T-06T0-282



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

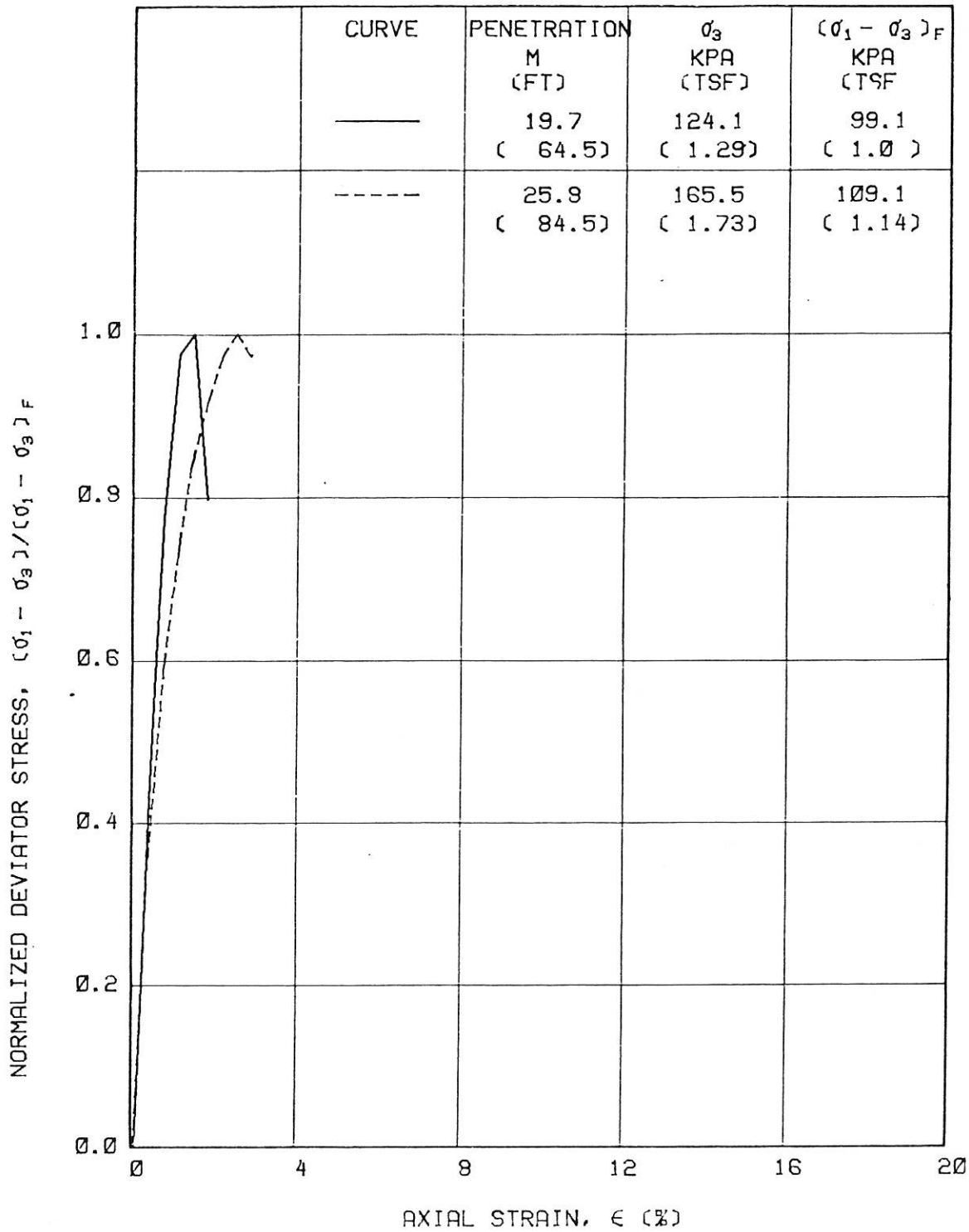
BORING 10



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

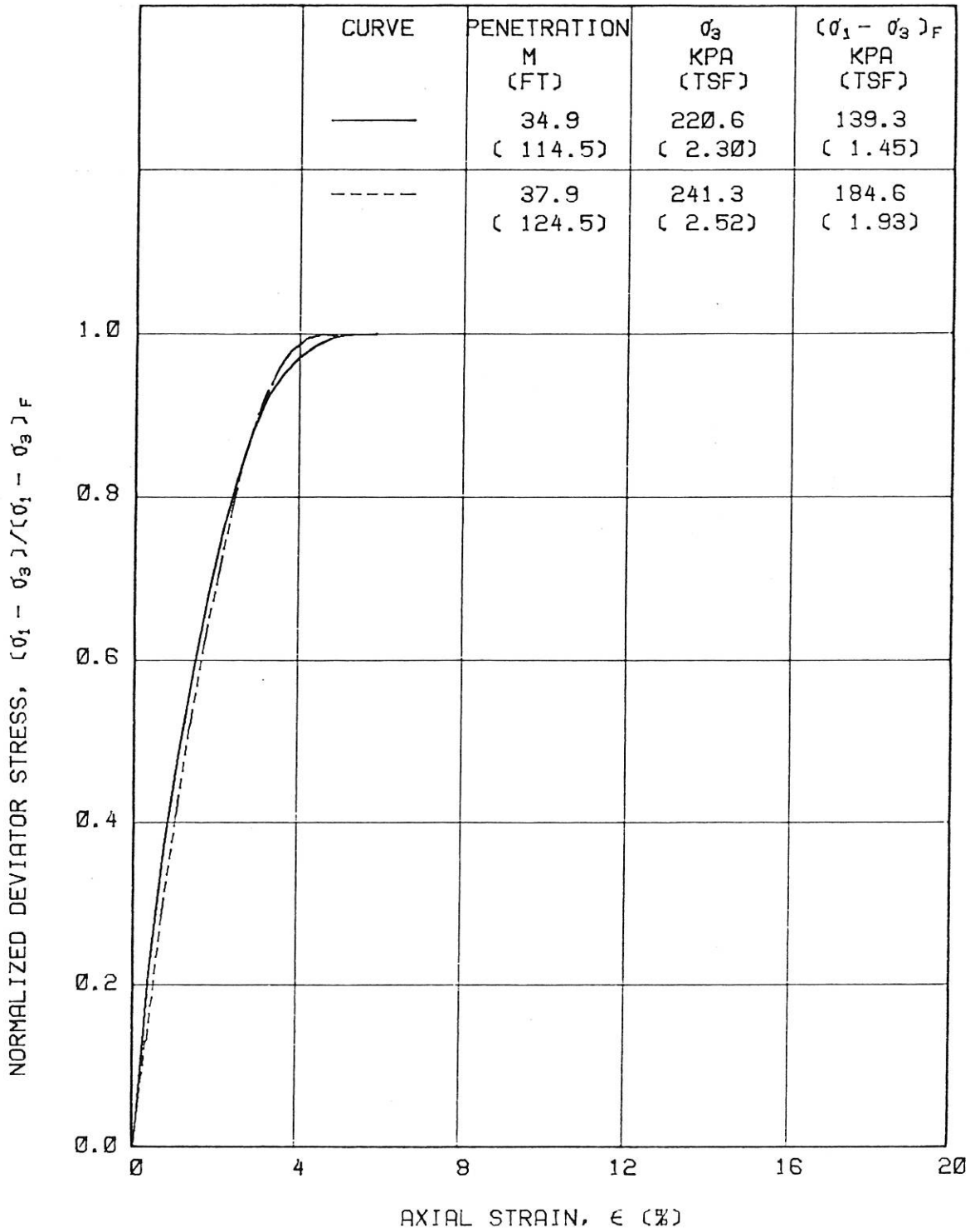
BORING 11



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

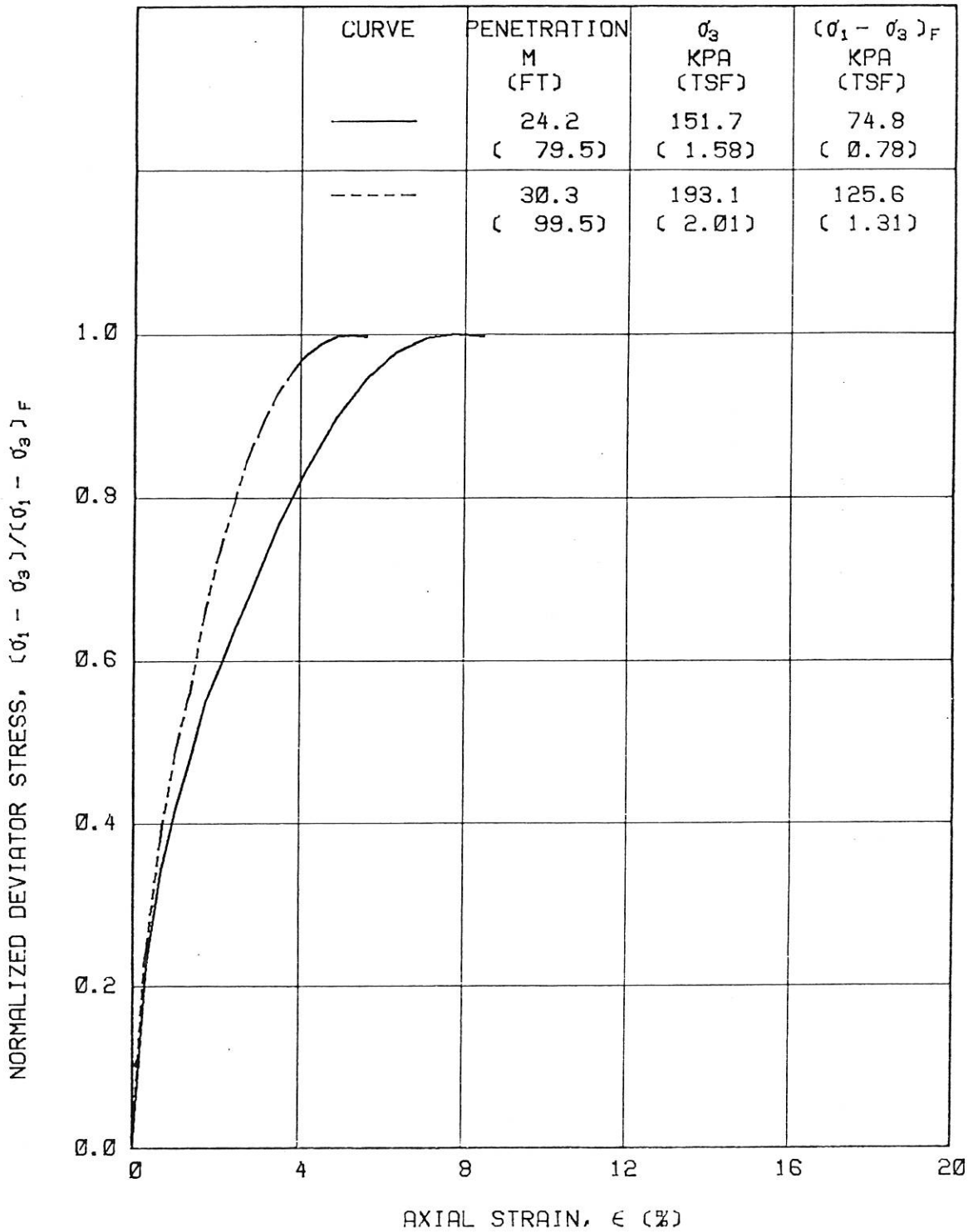
BORING 11



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 11

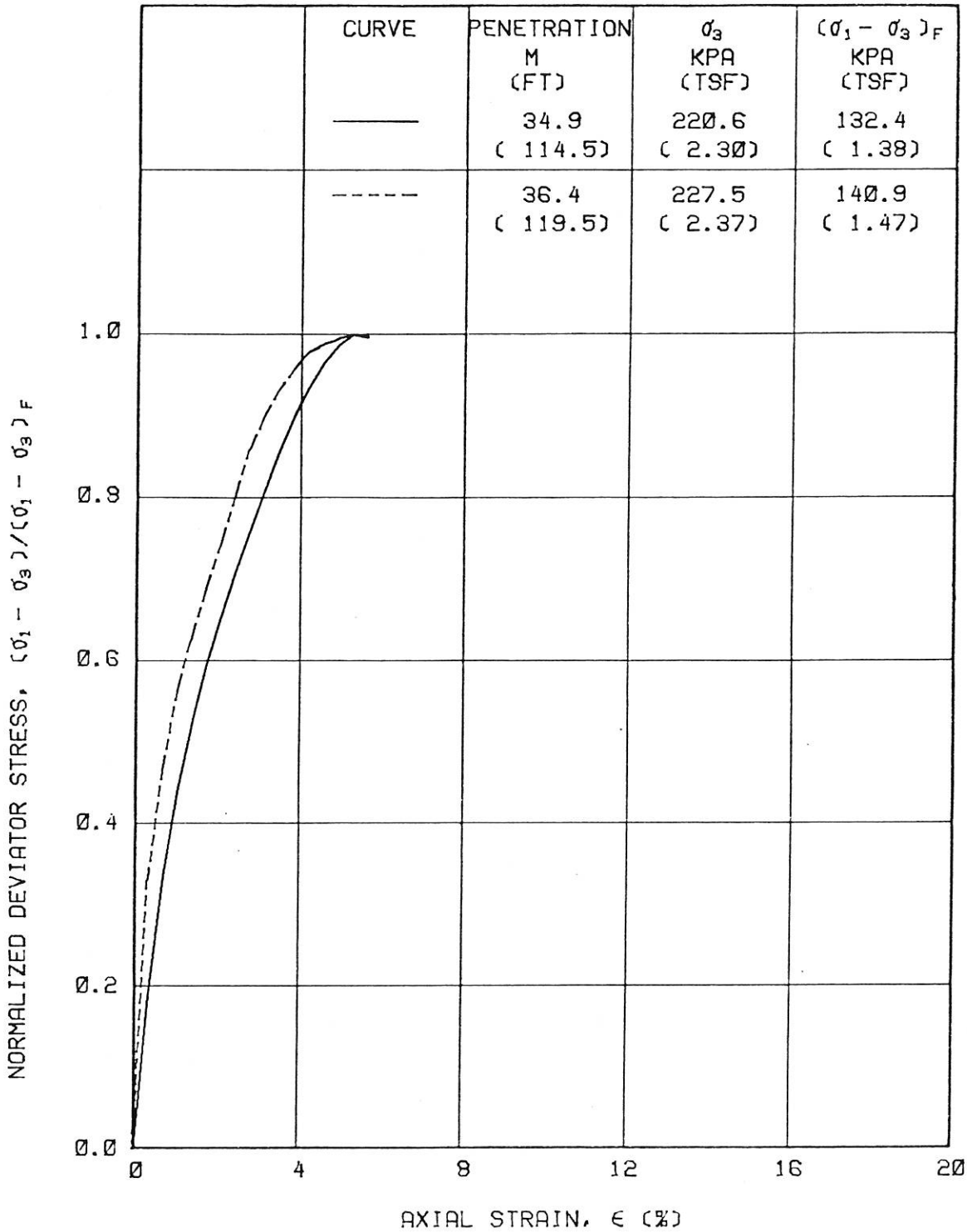


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 12

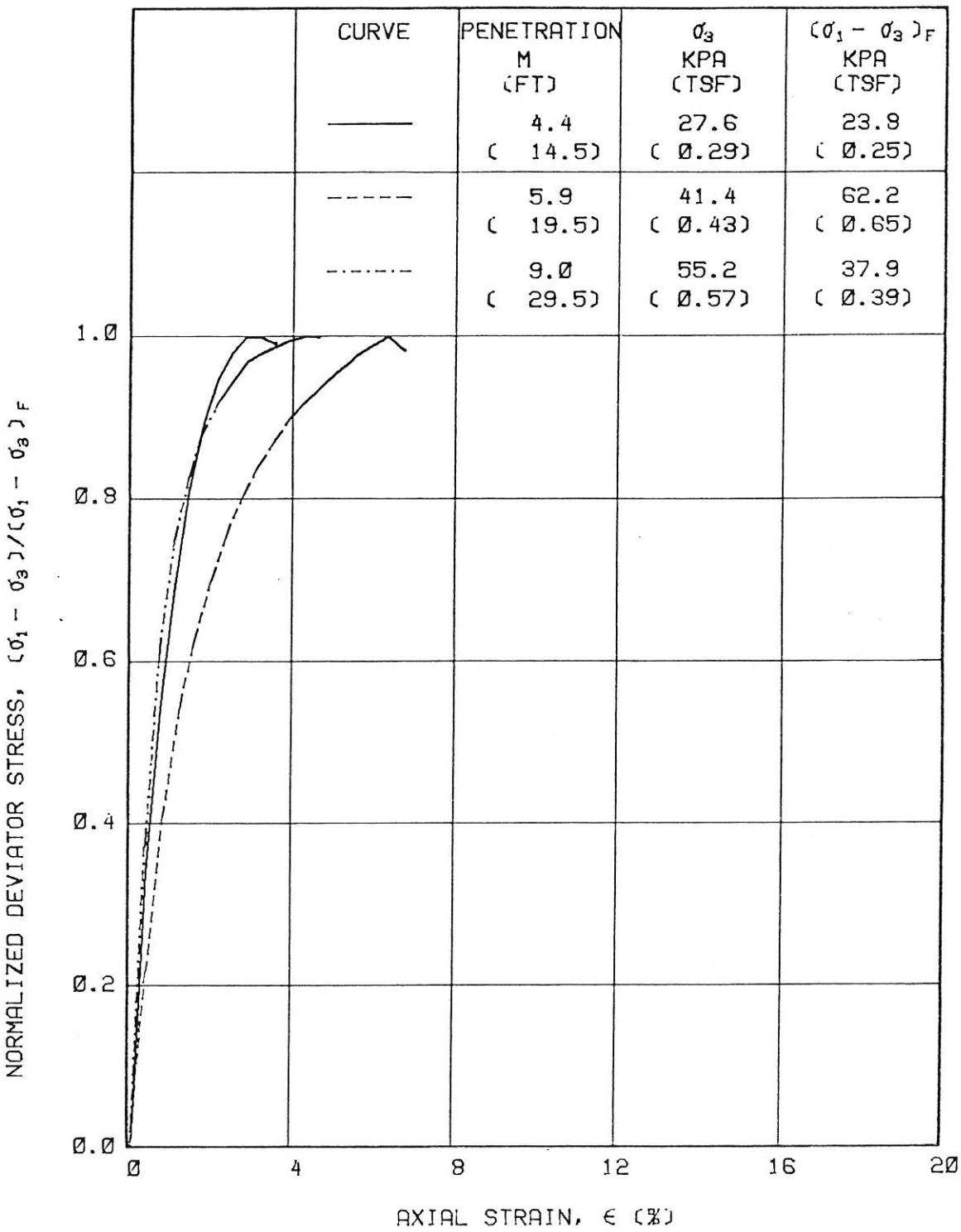
0282019Ø-1



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

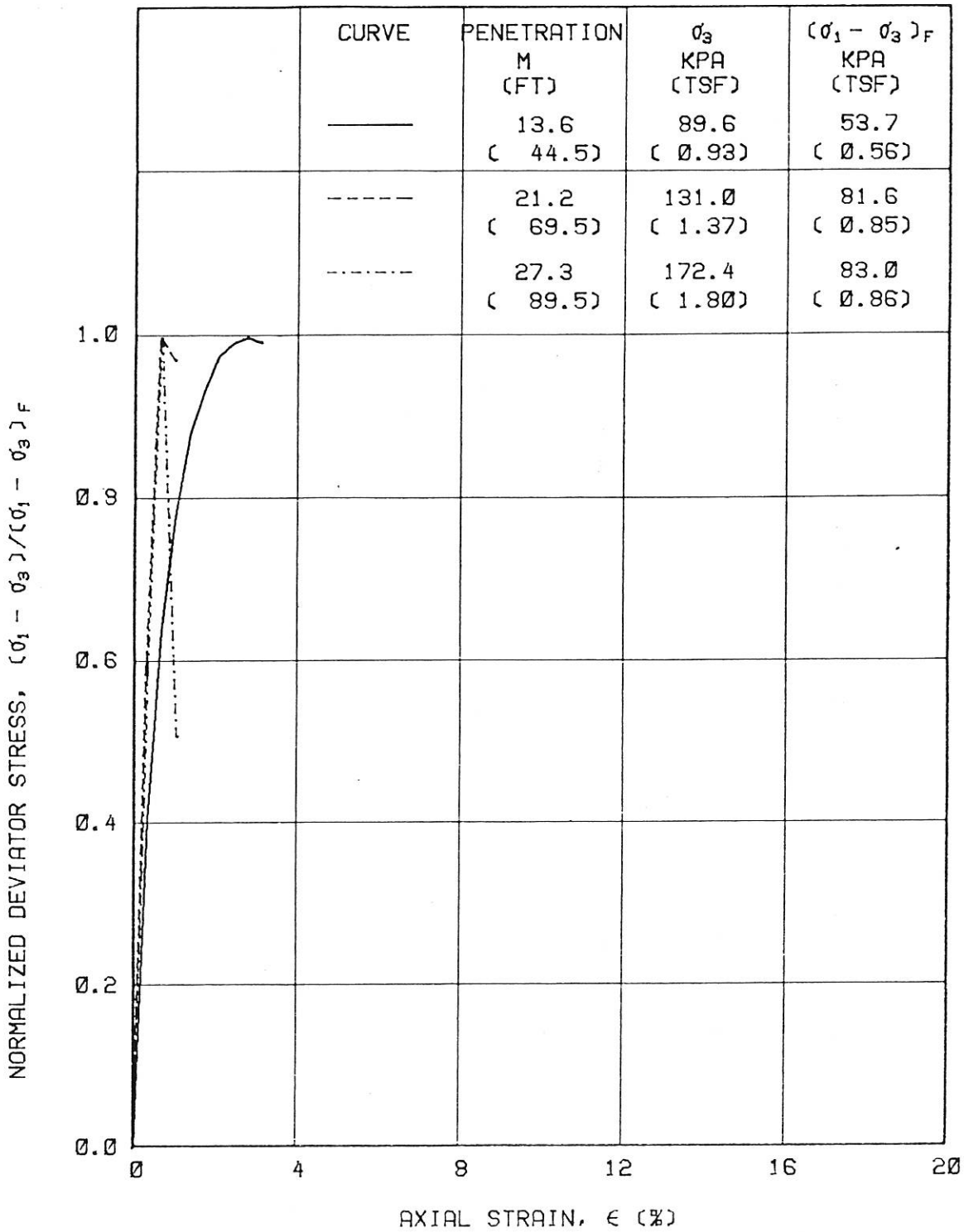
BORING 12



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

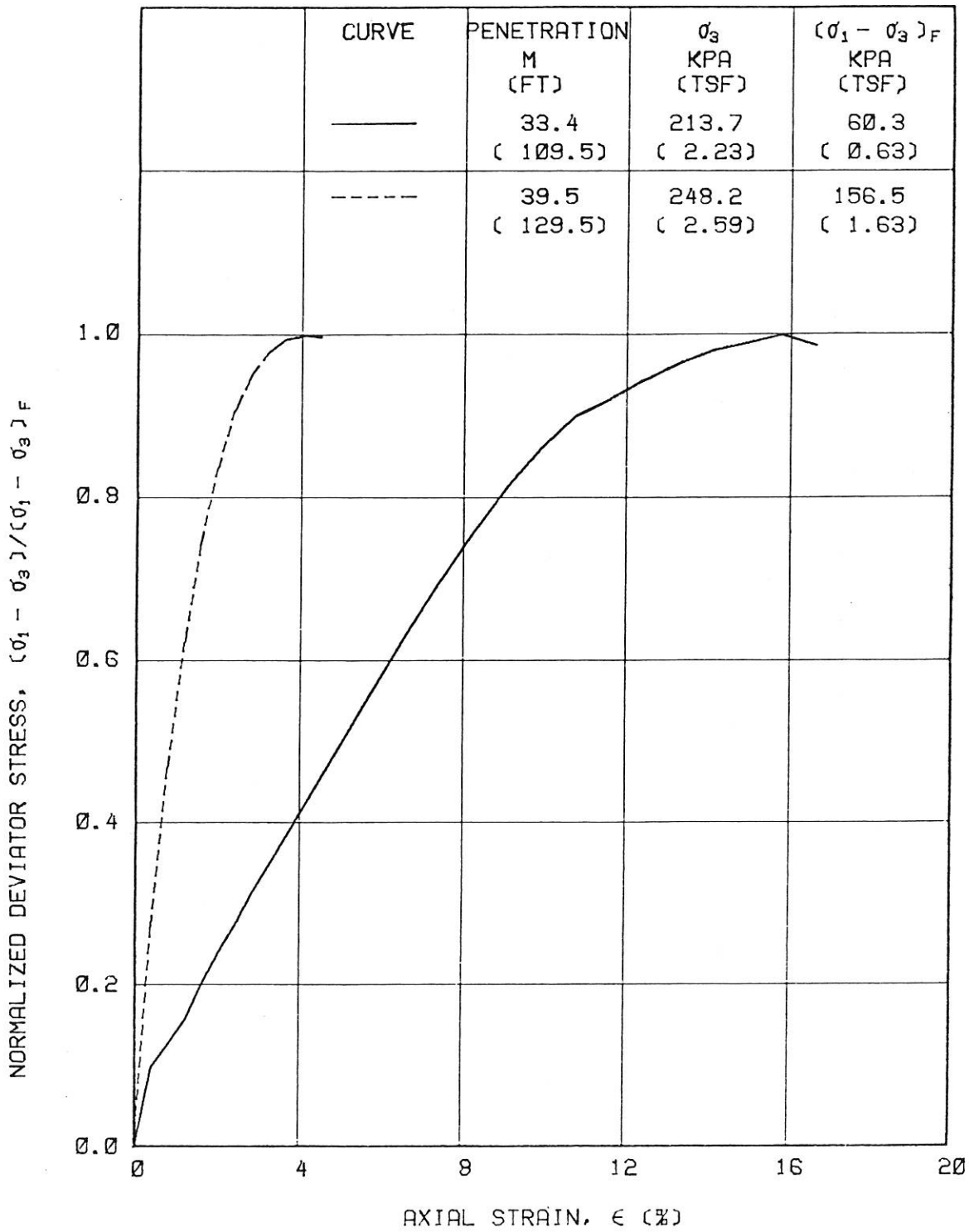
BORING 13



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

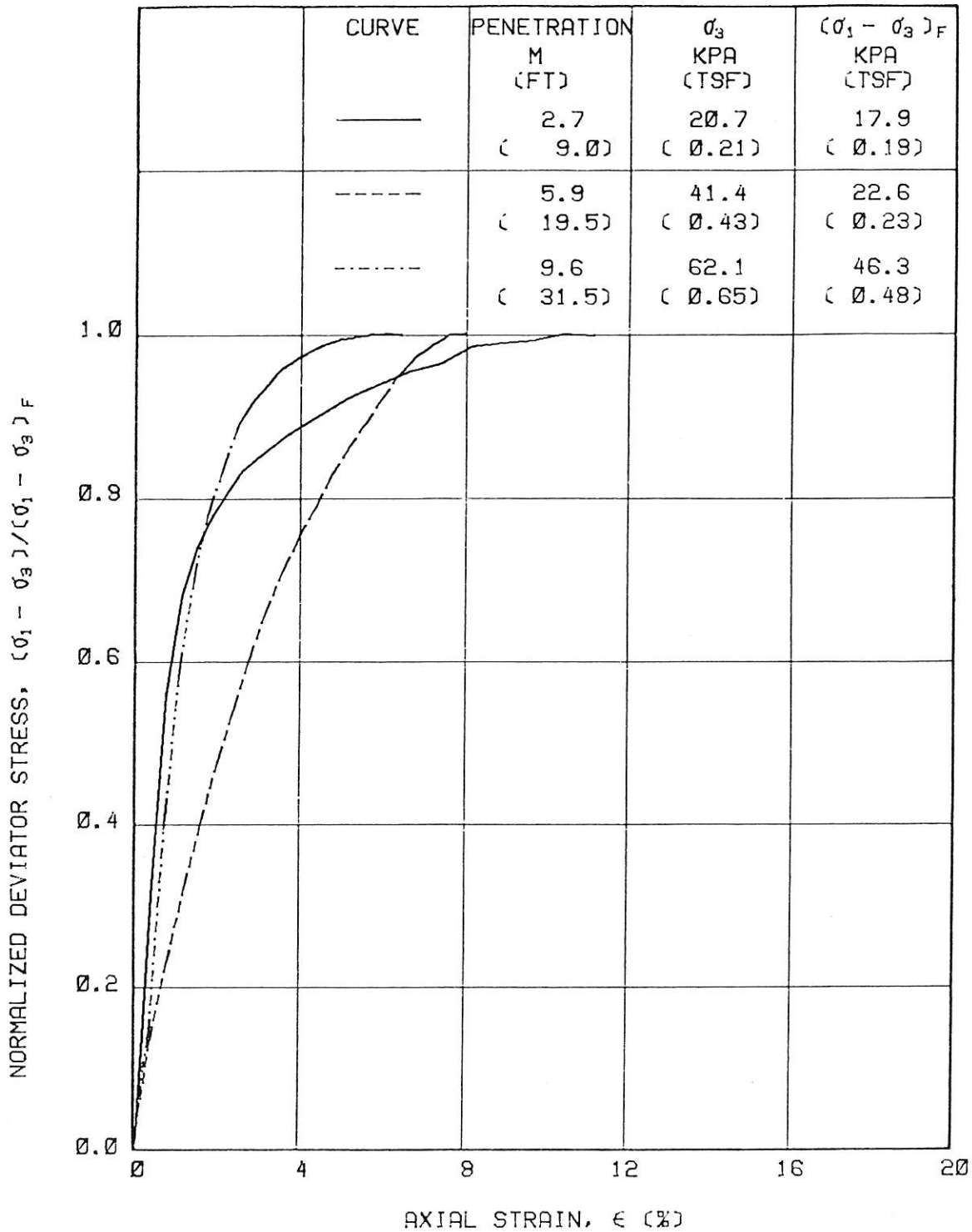
BORING 13



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

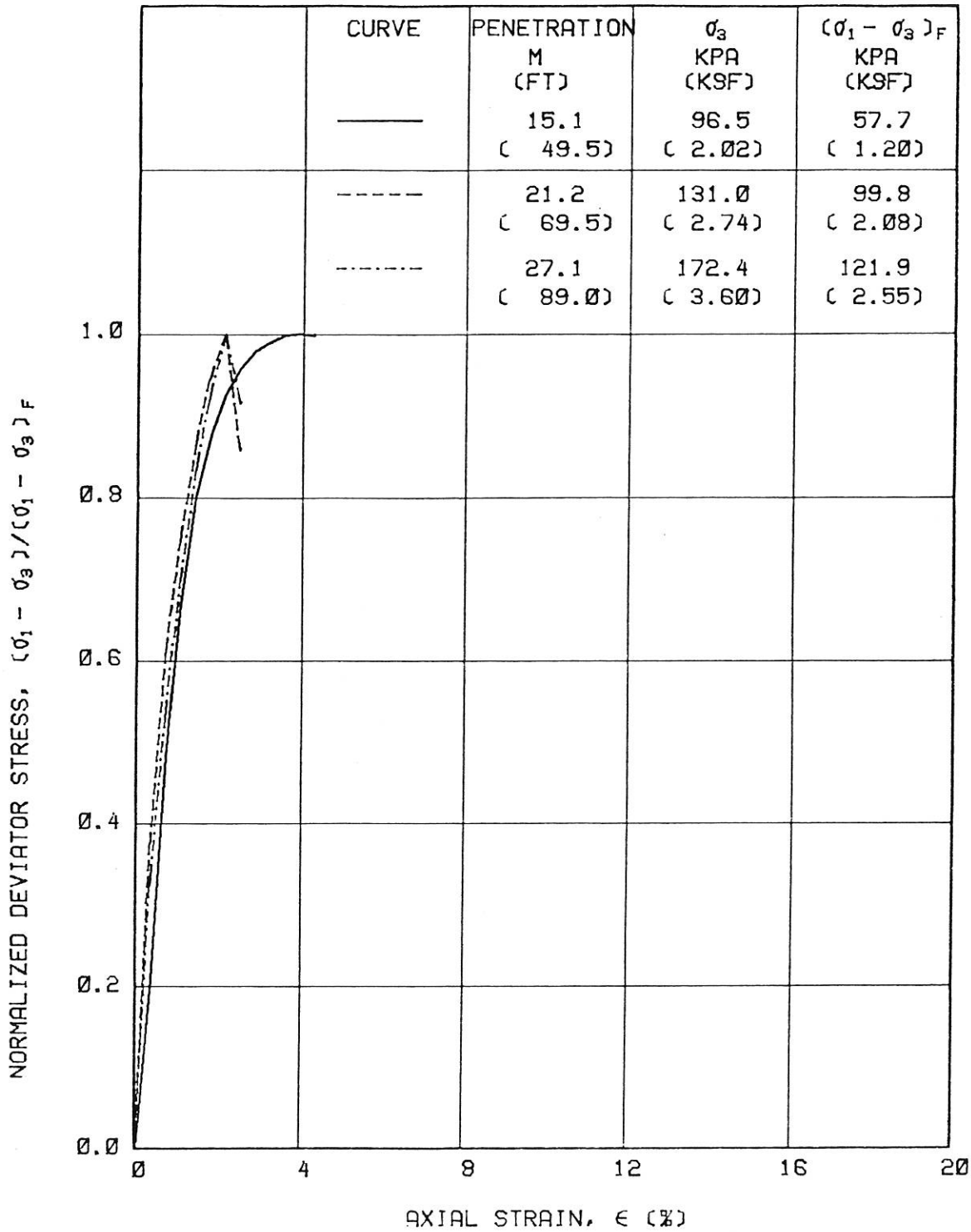
BORING 13



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

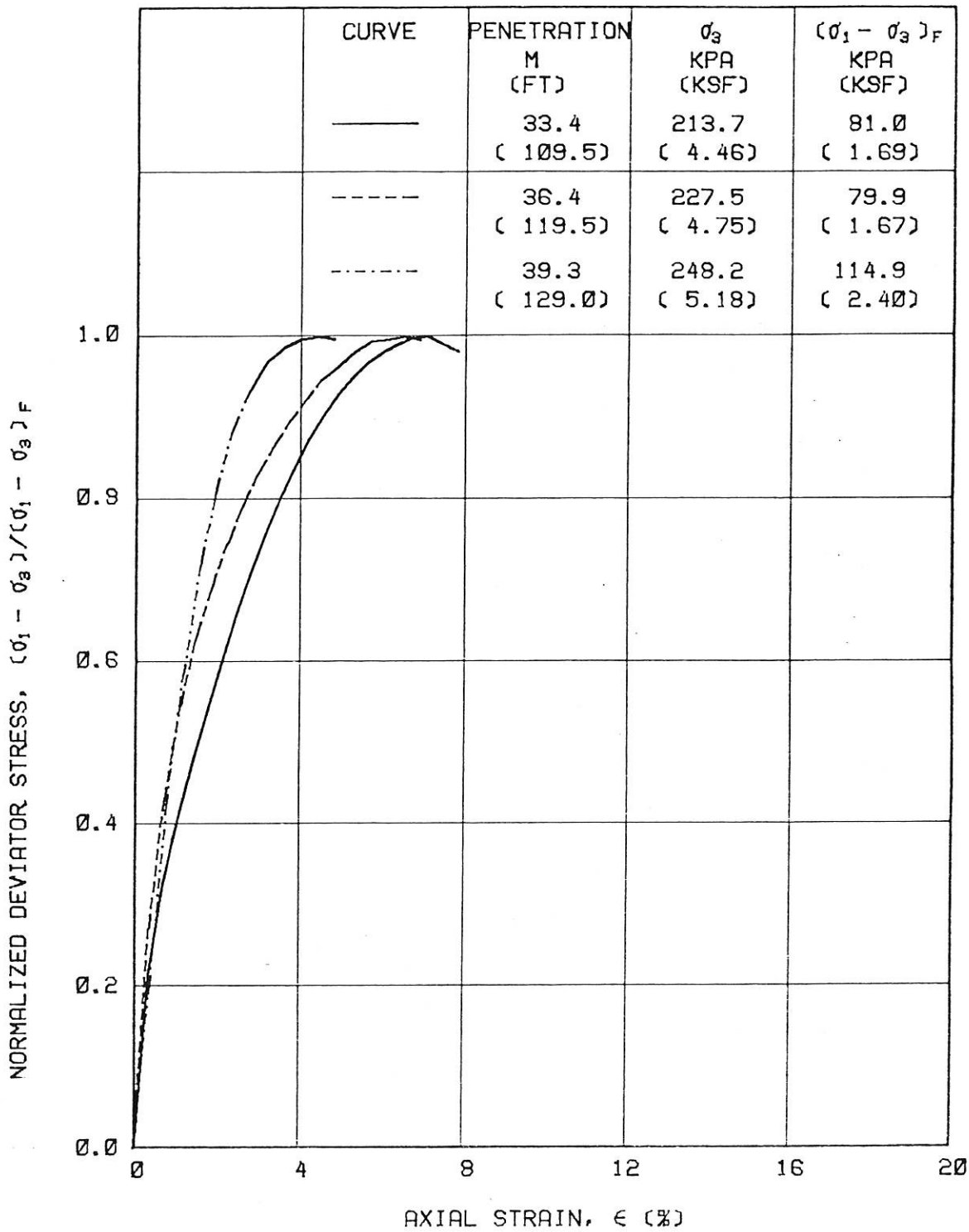
BORING 14



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

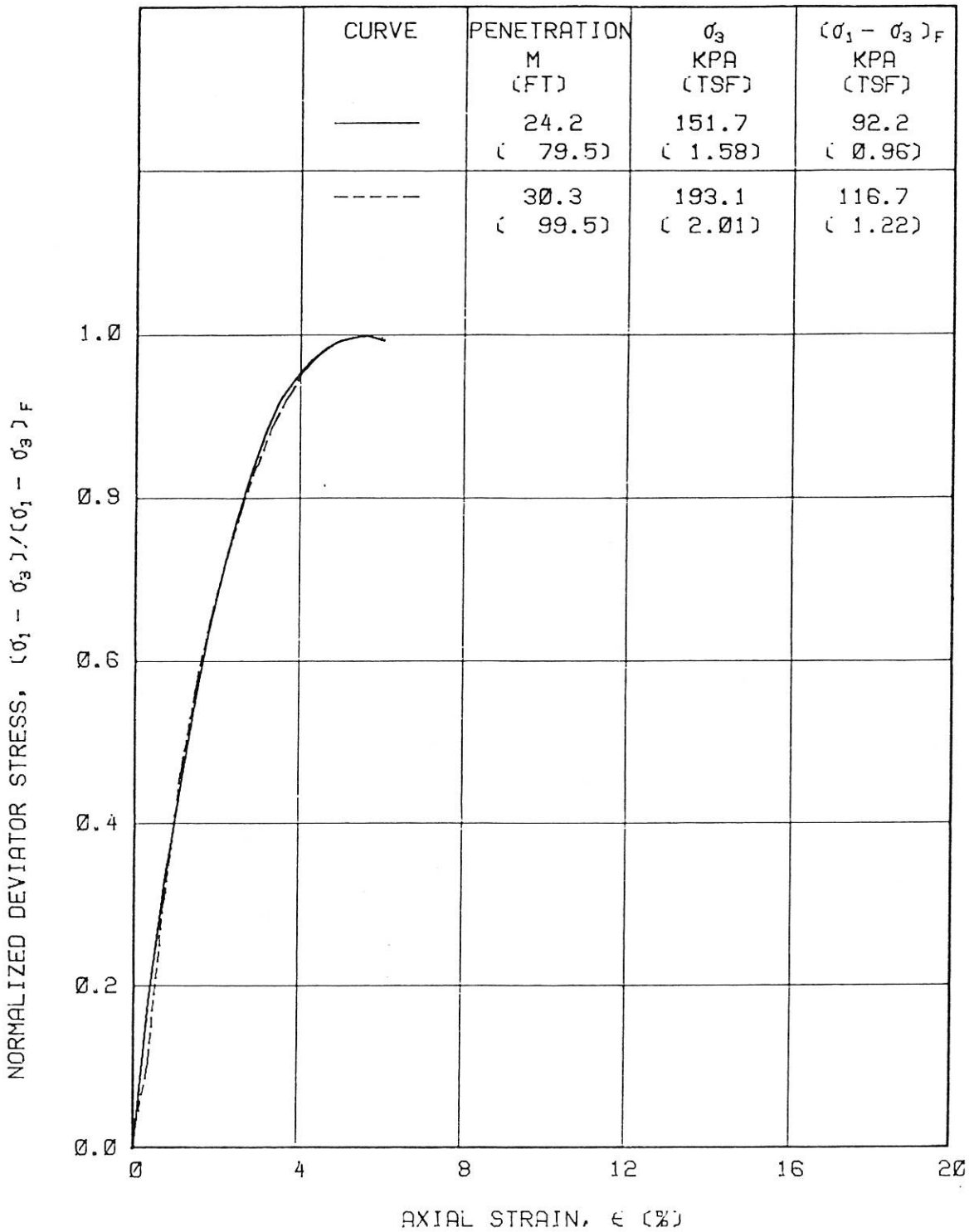
BORING 14



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

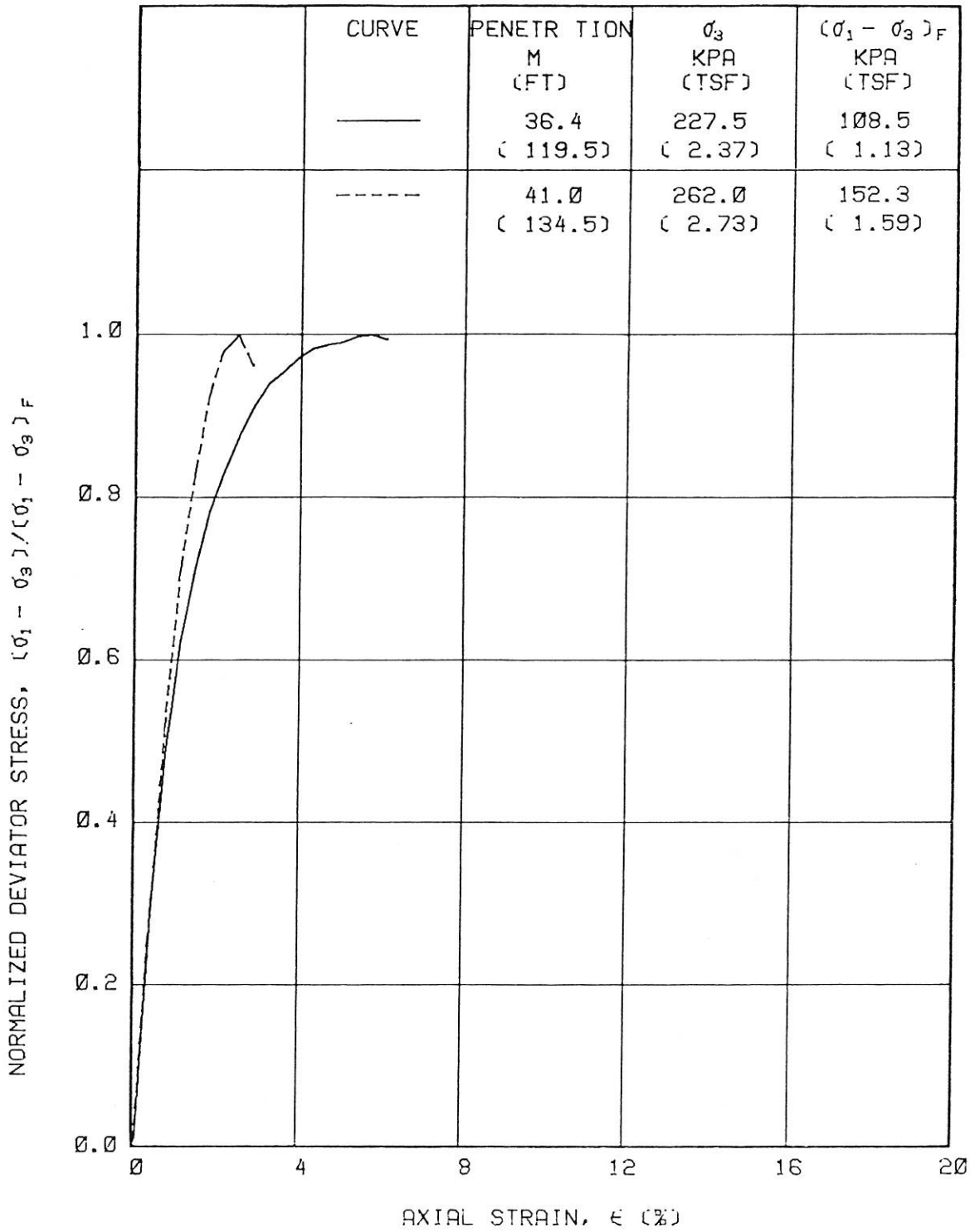
BORING 14



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

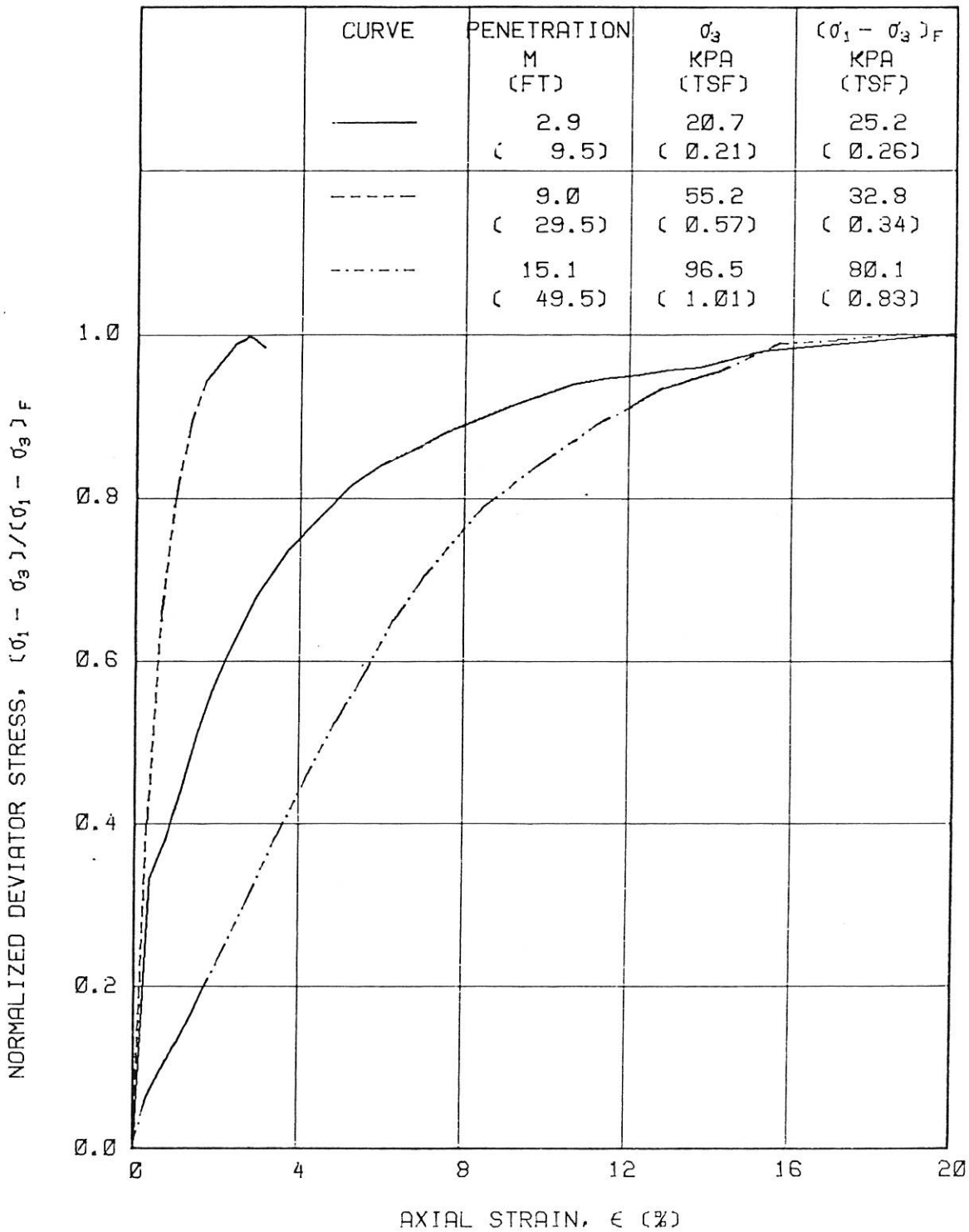
BORING 15



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

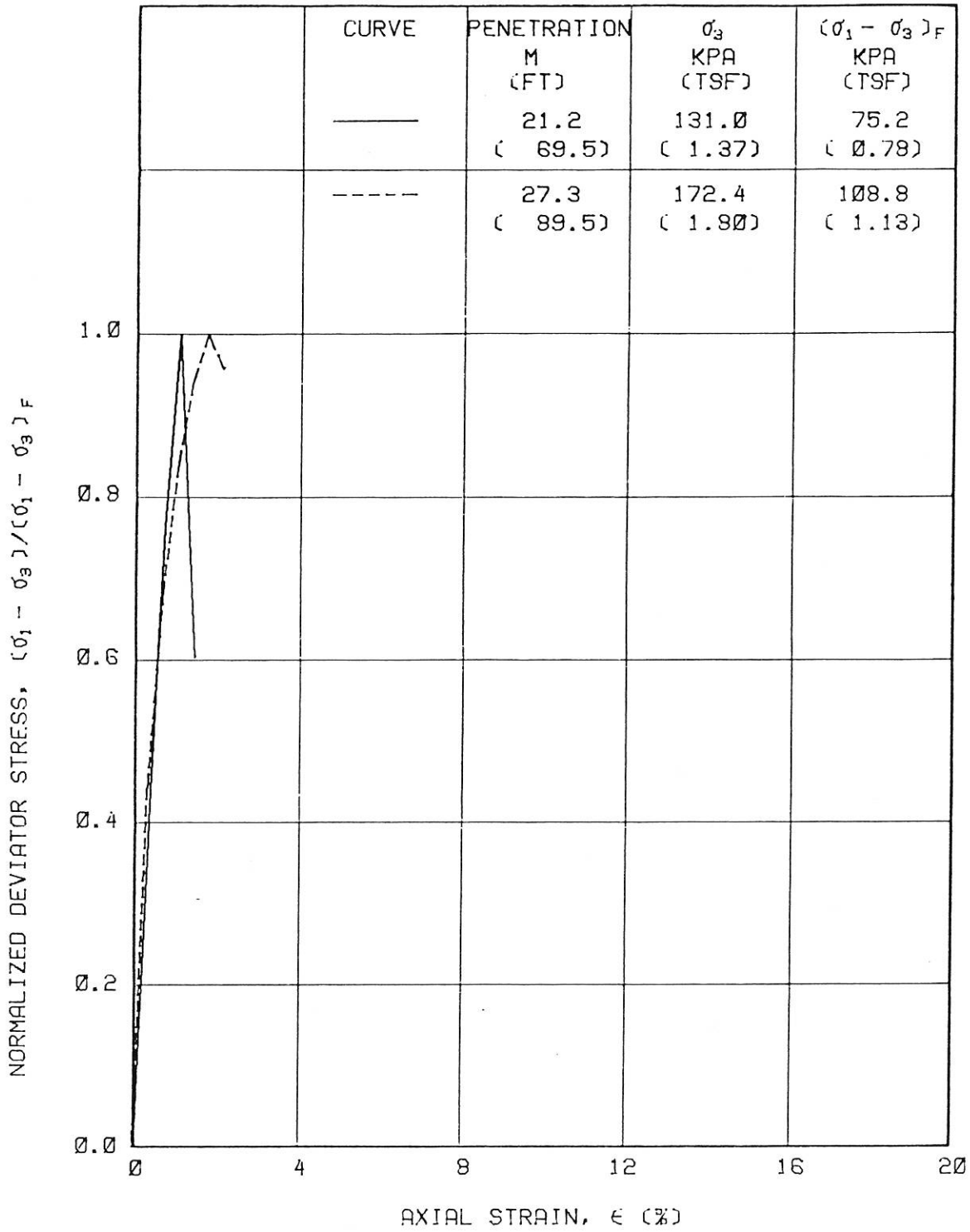
BORING 15



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

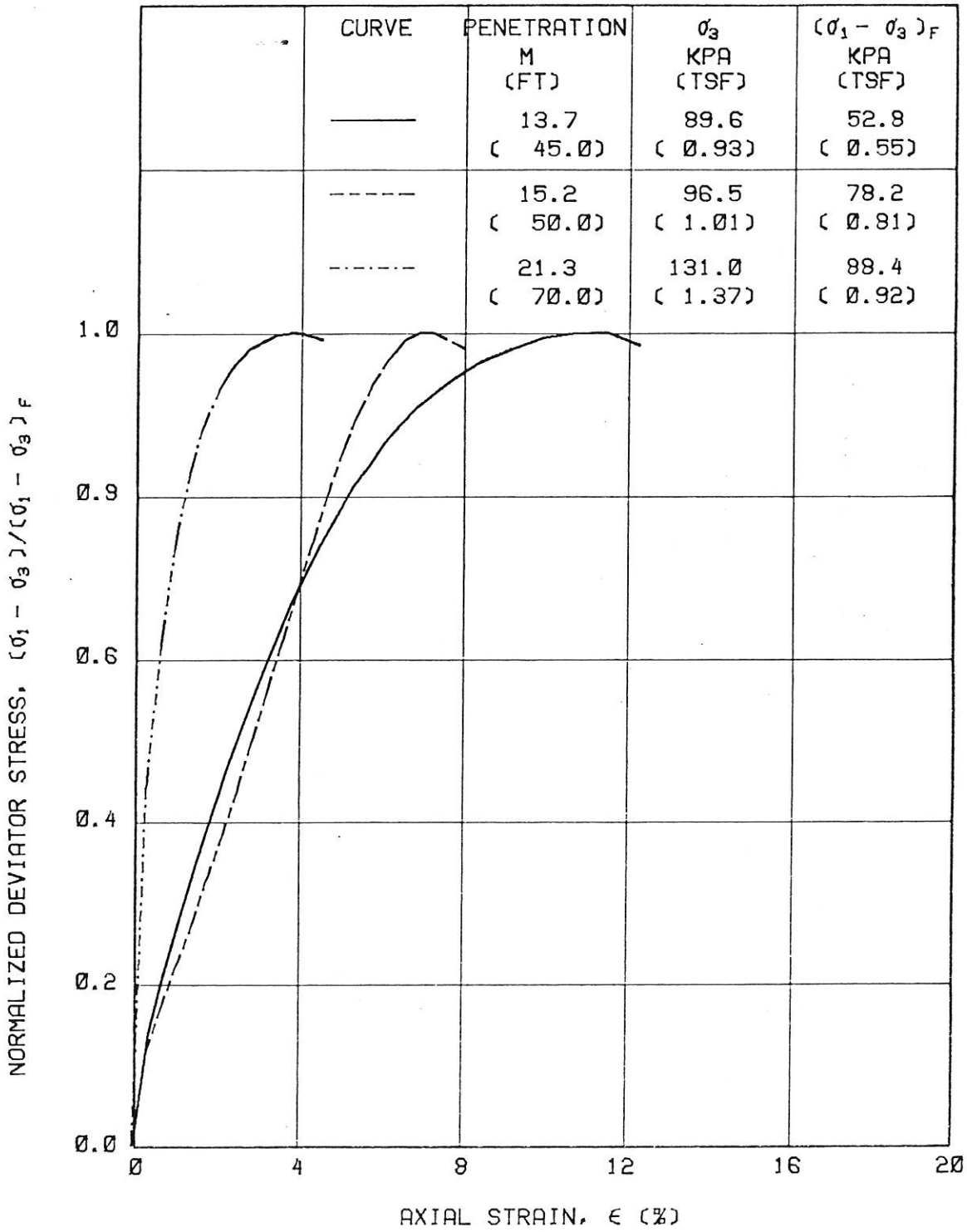
BORING 16



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 16

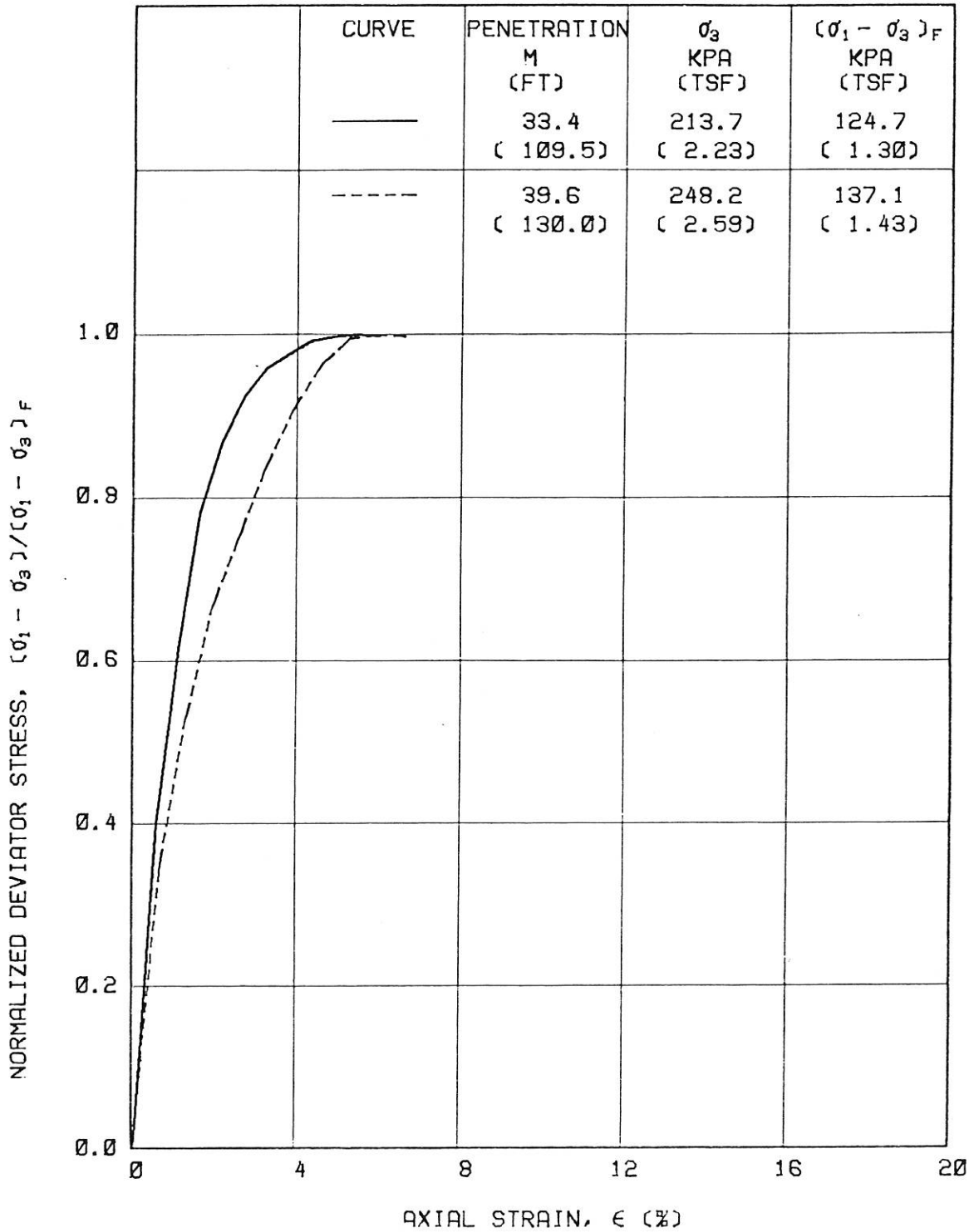


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 37

282-01.90-1



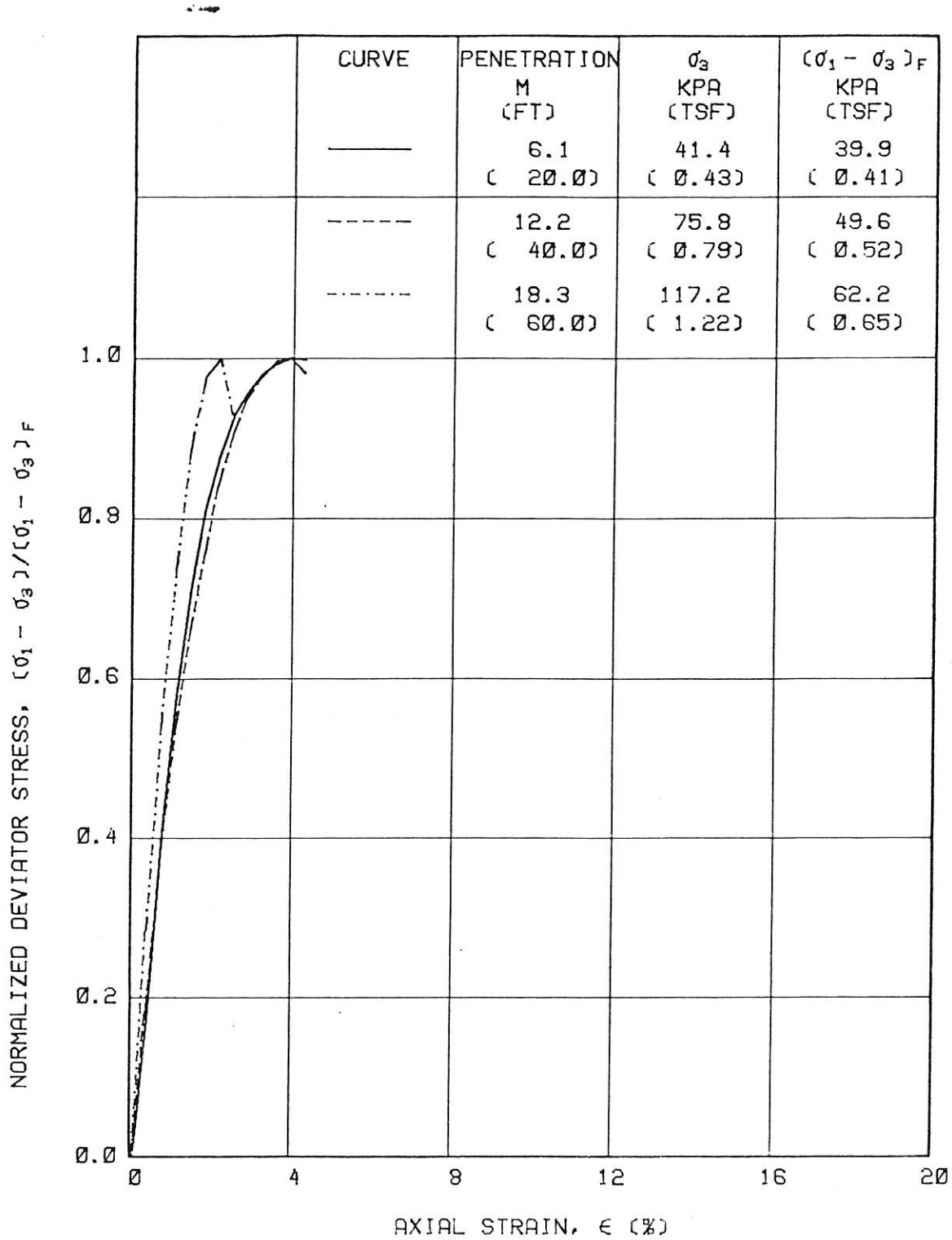
STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 16

McCLELLAND ENGINEERS

PLATE

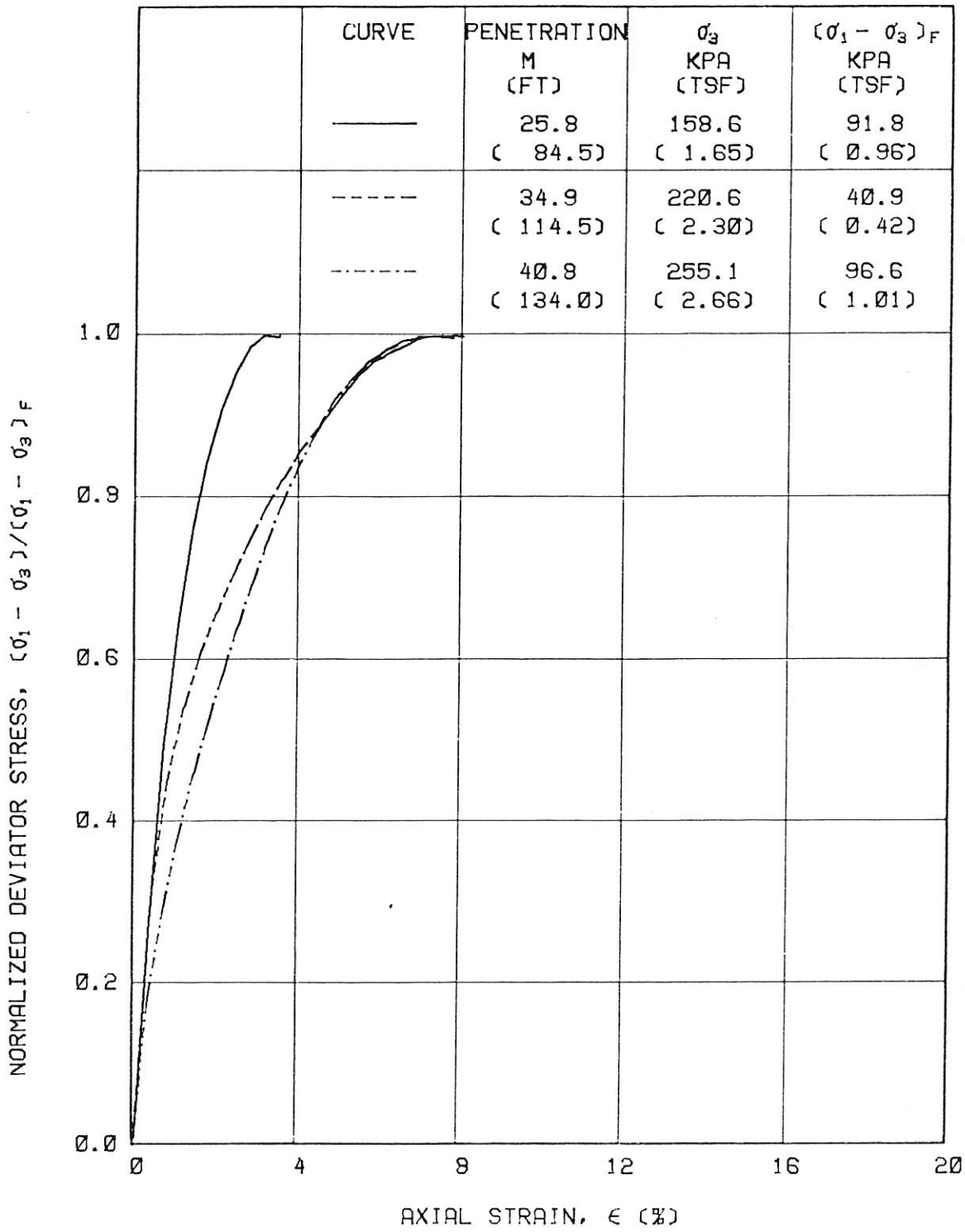


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 17

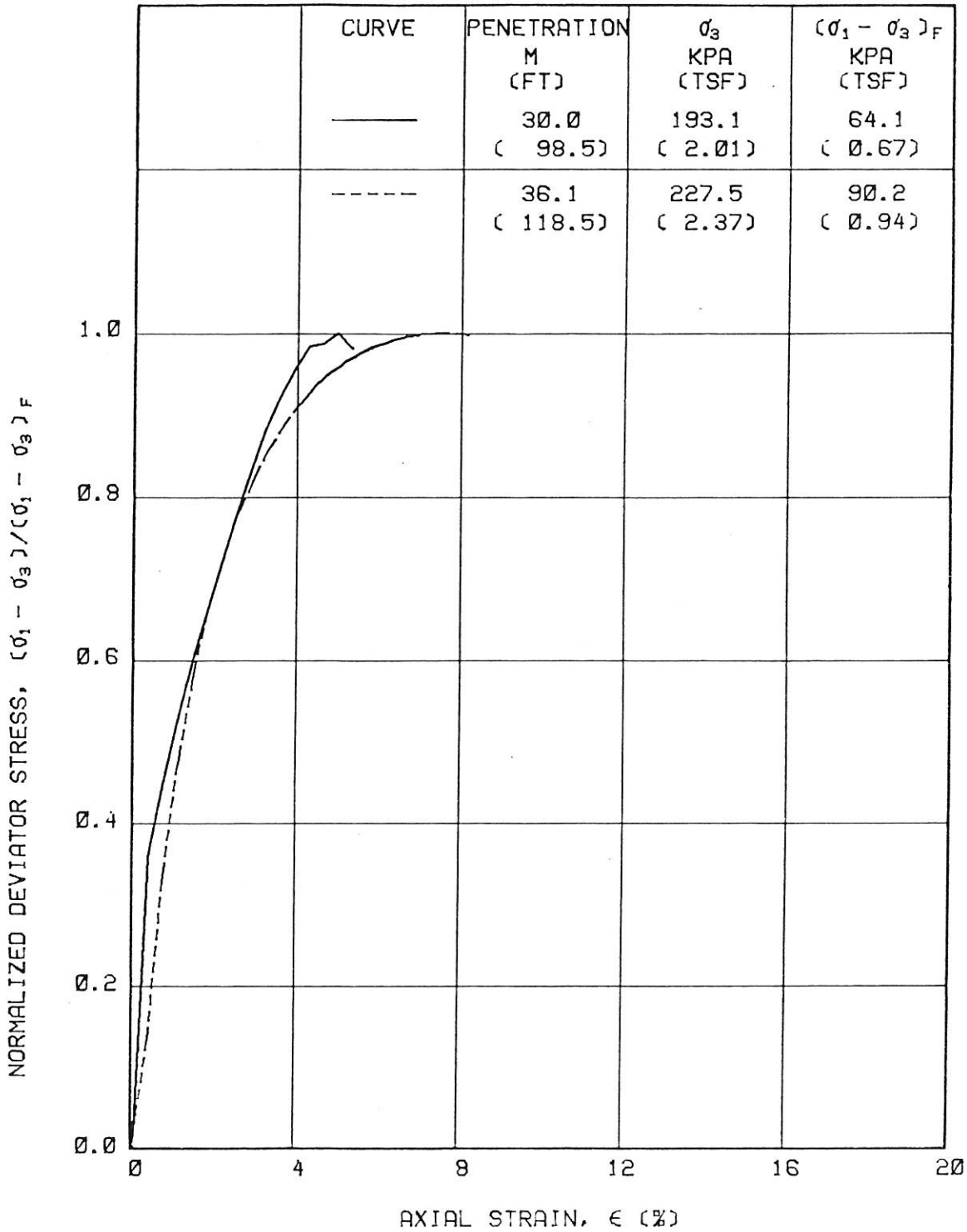
2R2-0190-1



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

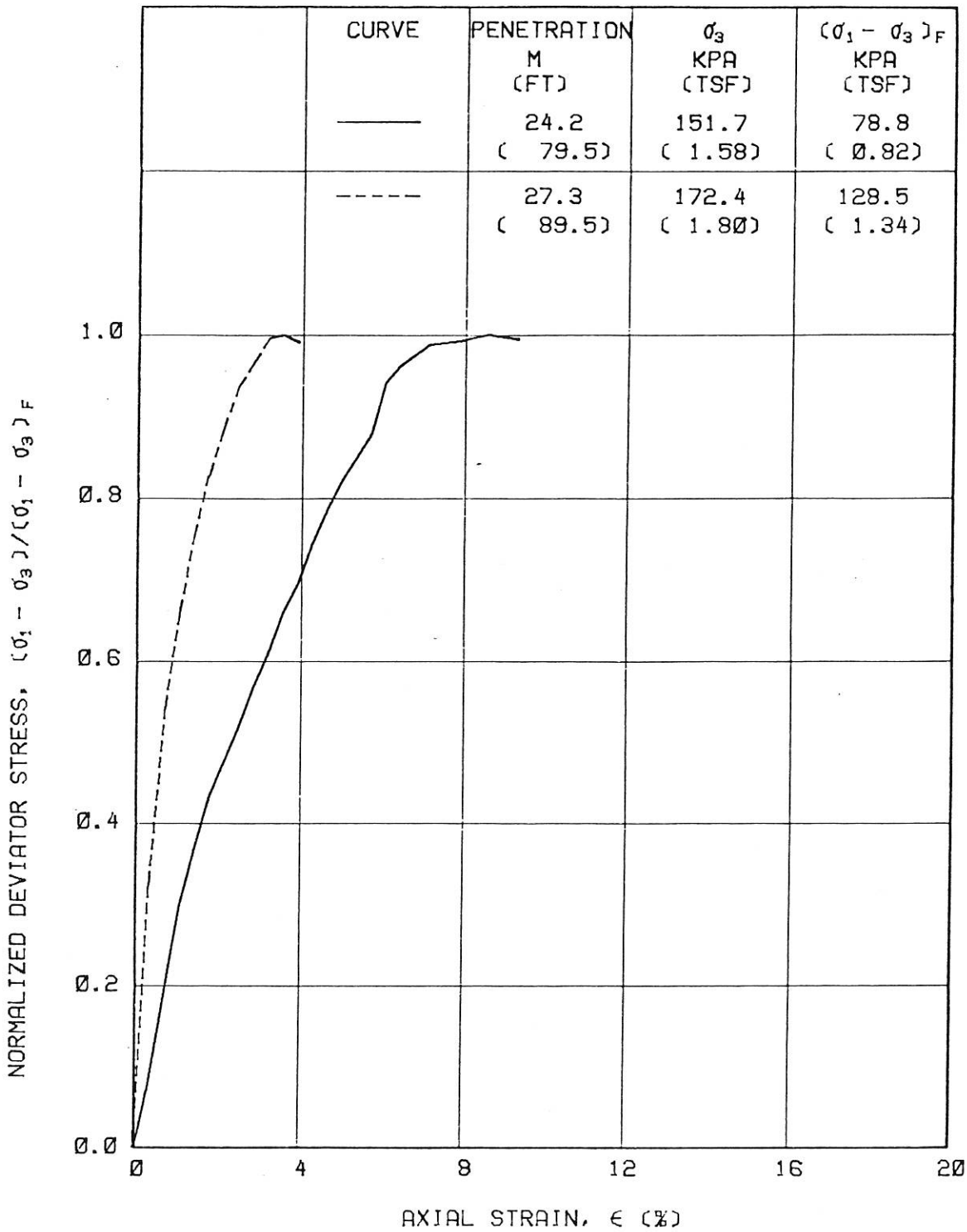
BORING 17



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 18

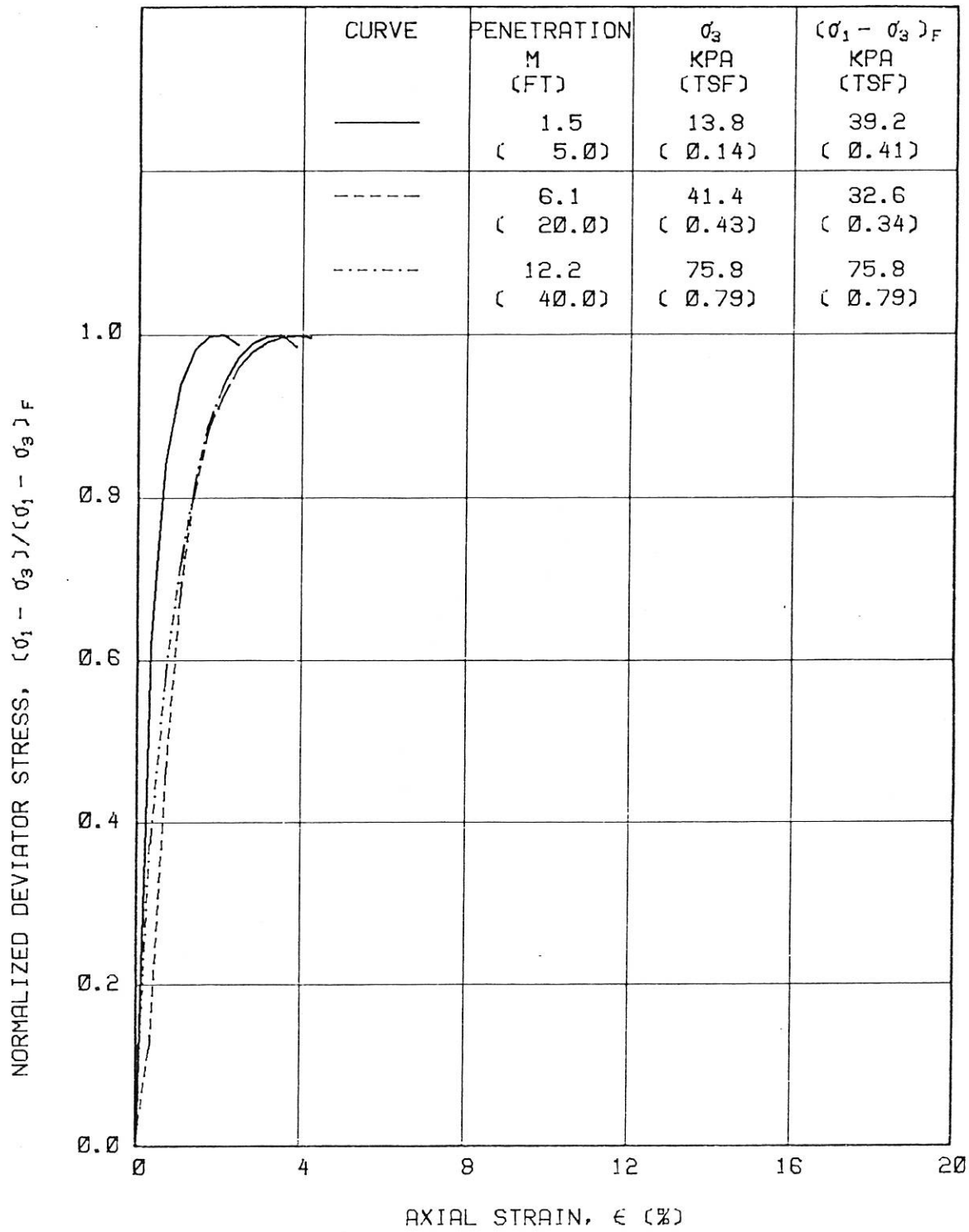


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 18

1-0610-282

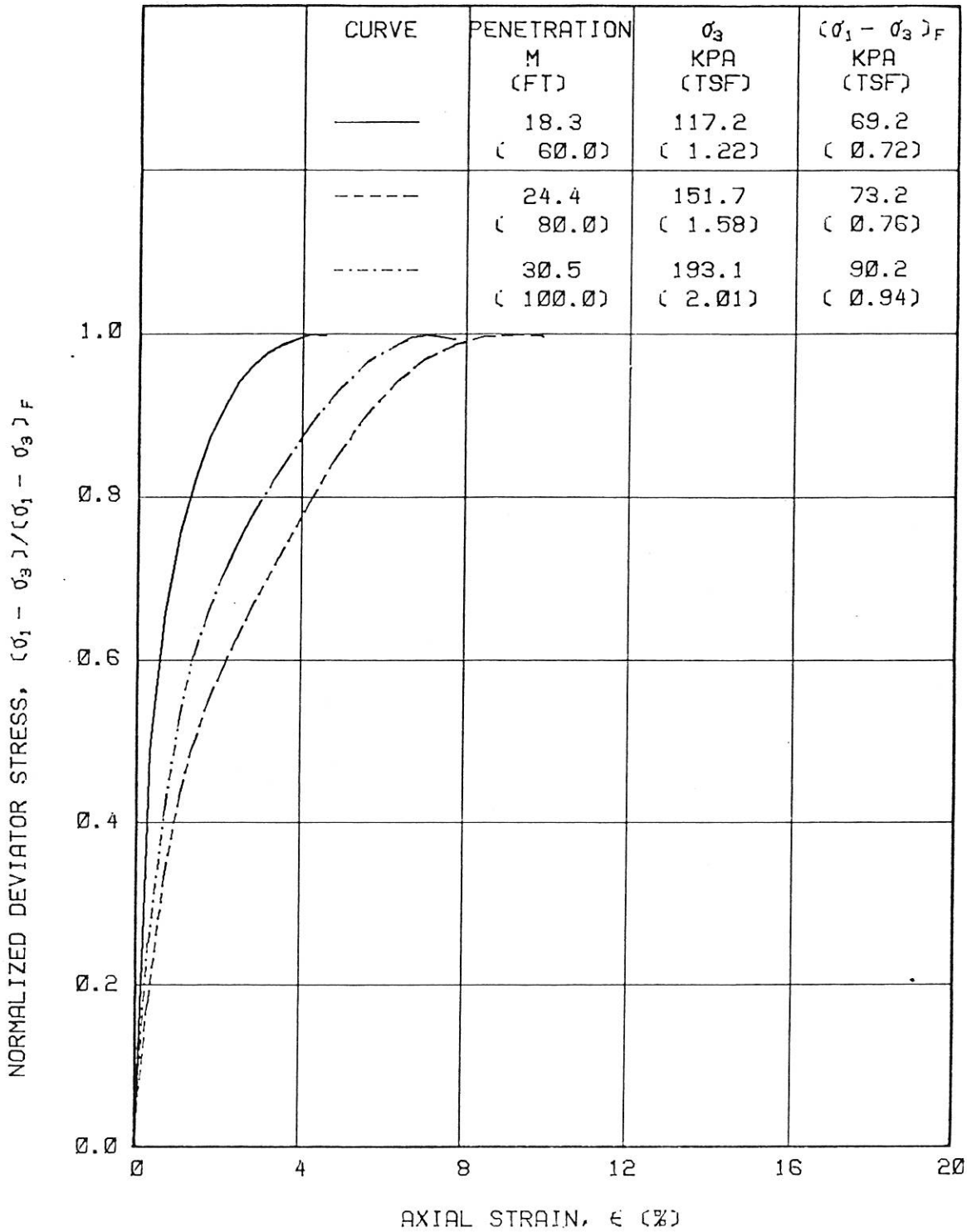


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 19

282-0190-1



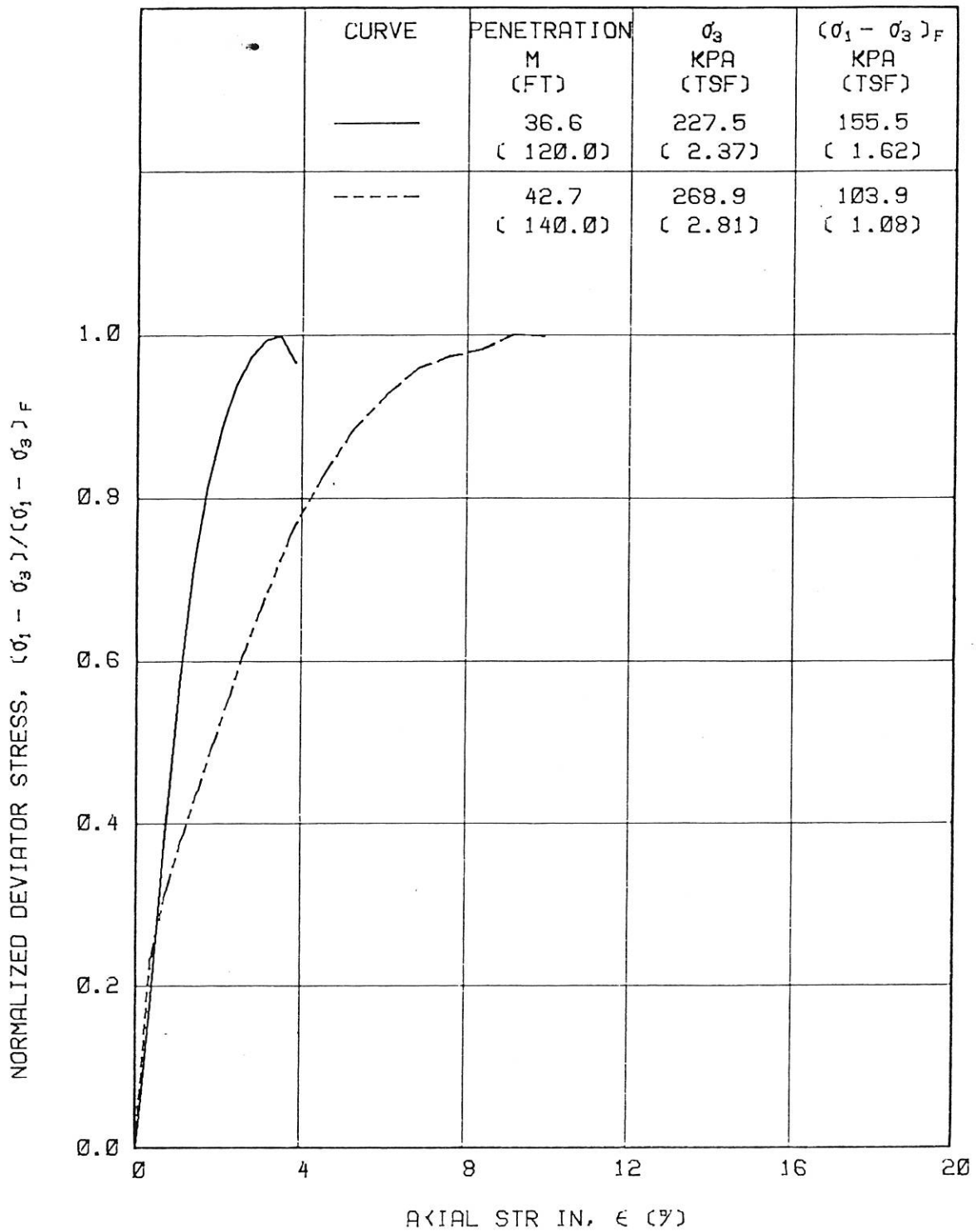
STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 19

McCLELLAND ENGINEERS

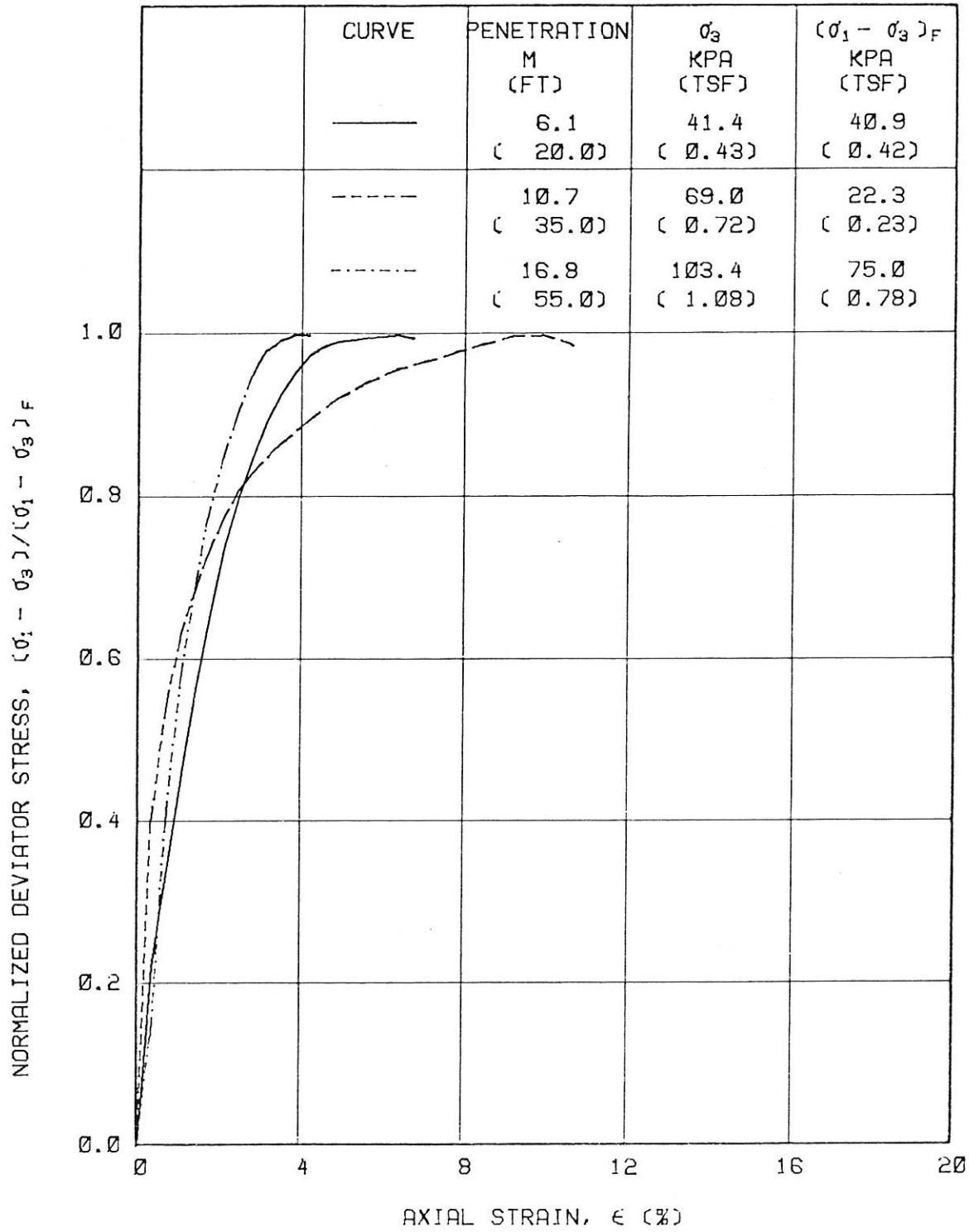
PLATE



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 19

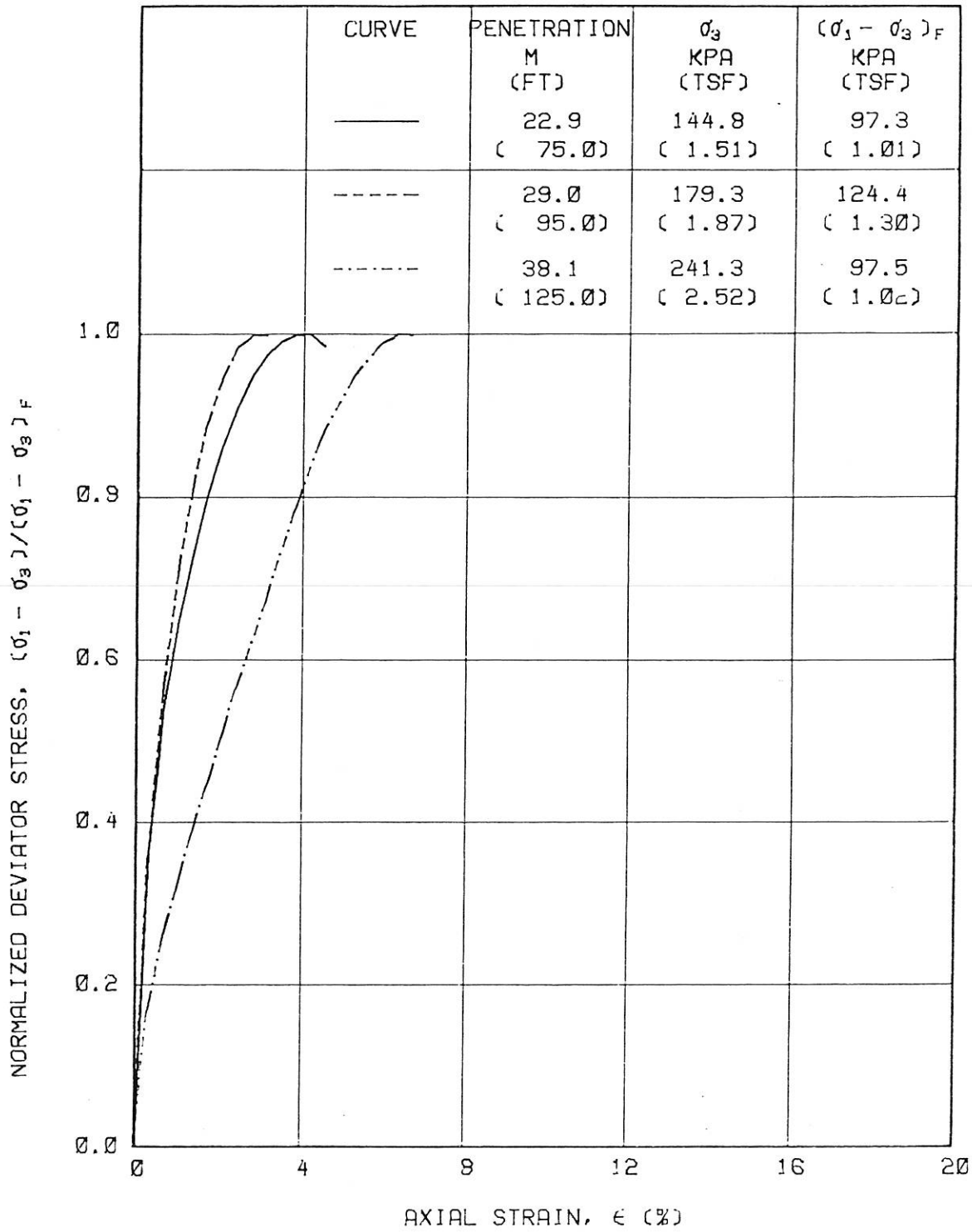


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 20

282-0190-2

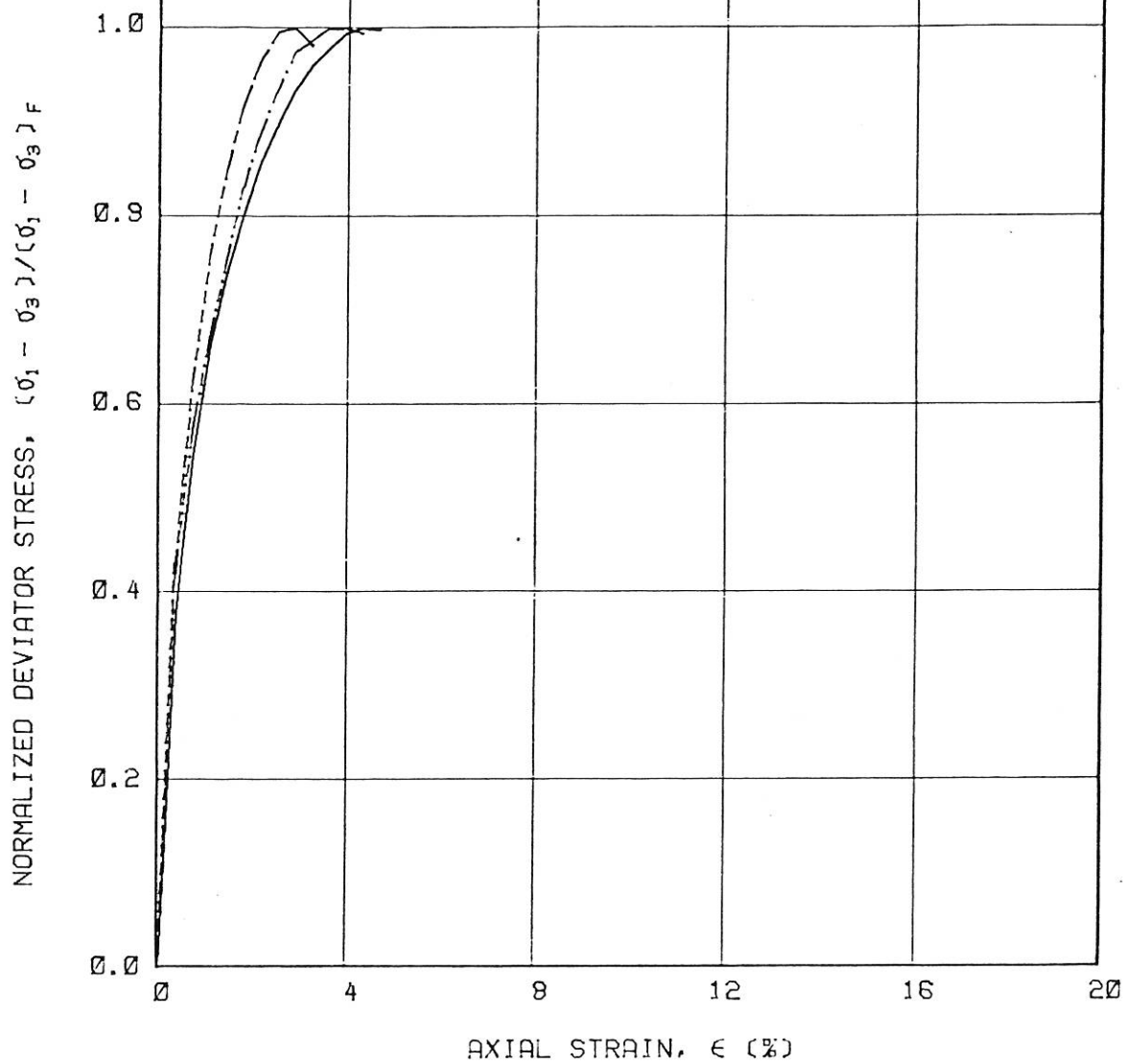


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 20

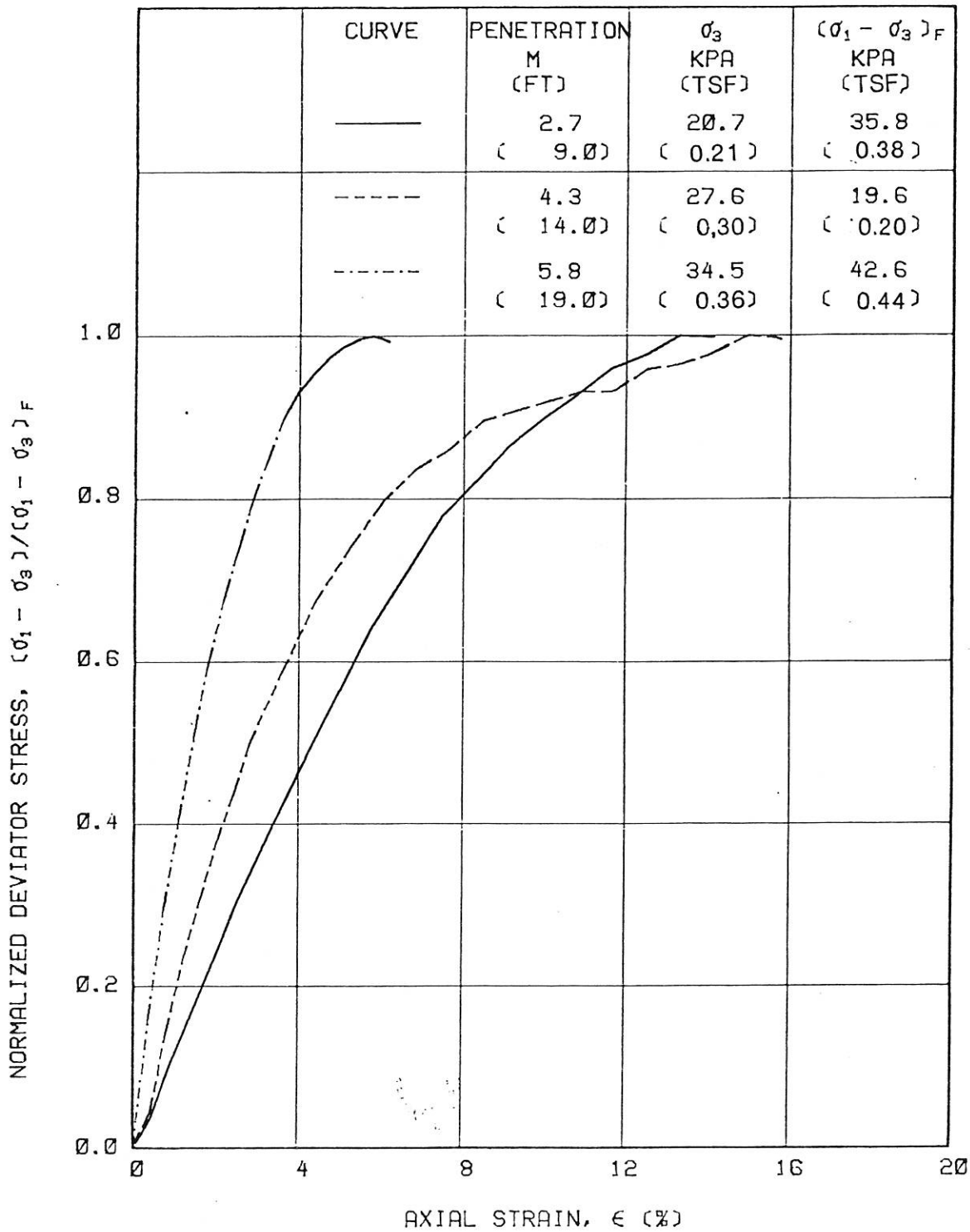
CURVE	PENETRATION M (FT)	σ_3 KPA (TSF)	$(\sigma_1 - \sigma_3)_F$ KPA (TSF)
———	24.4 (80.0)	151.7 (1.58)	86.2 (0.90)
- - - - -	30.5 (100.0)	193.1 (2.01)	104.3 (1.09)
-·-·-·-	36.6 (120.0)	227.5 (2.37)	79.2 (0.92)



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 21

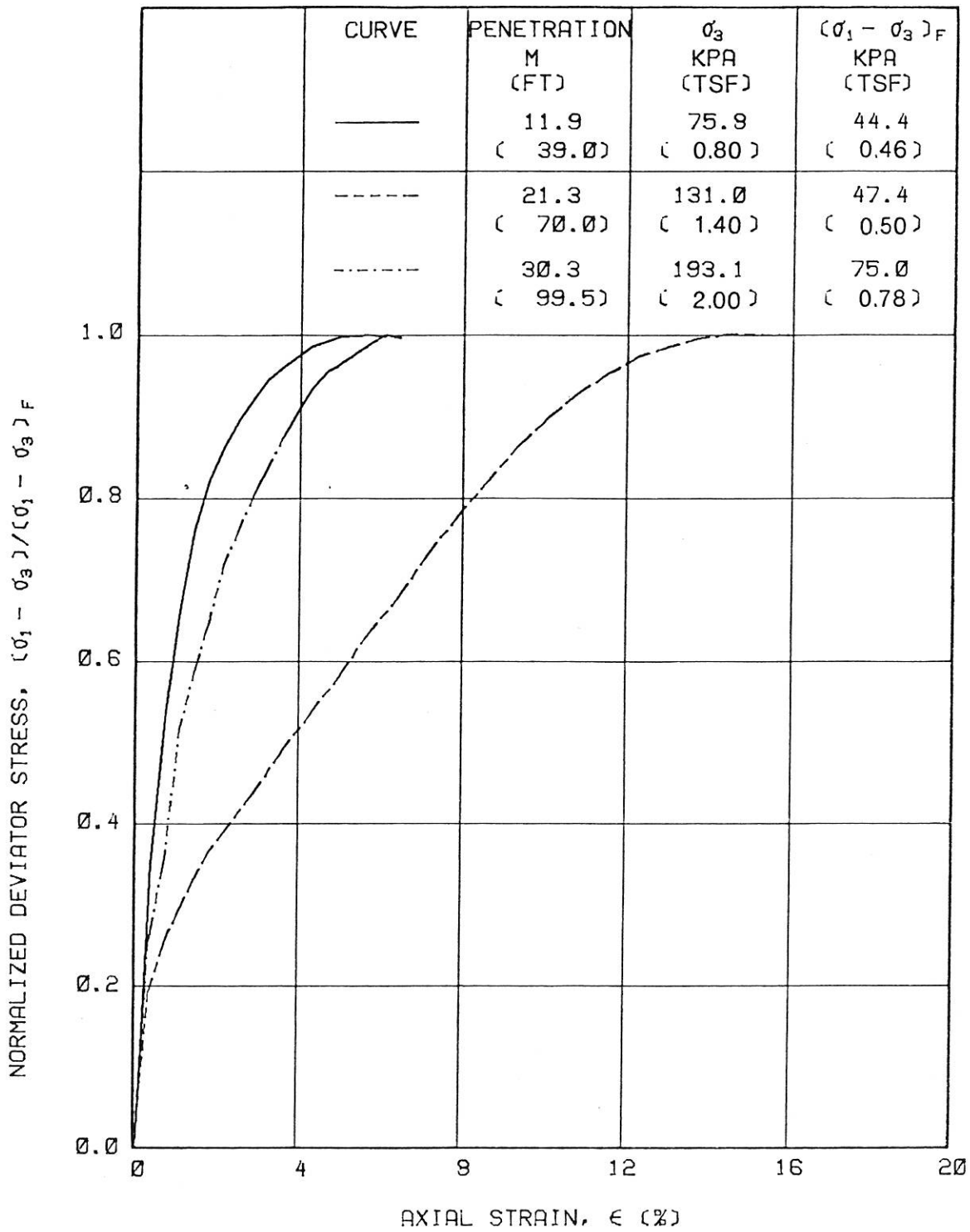


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 22

2R2-0190-2

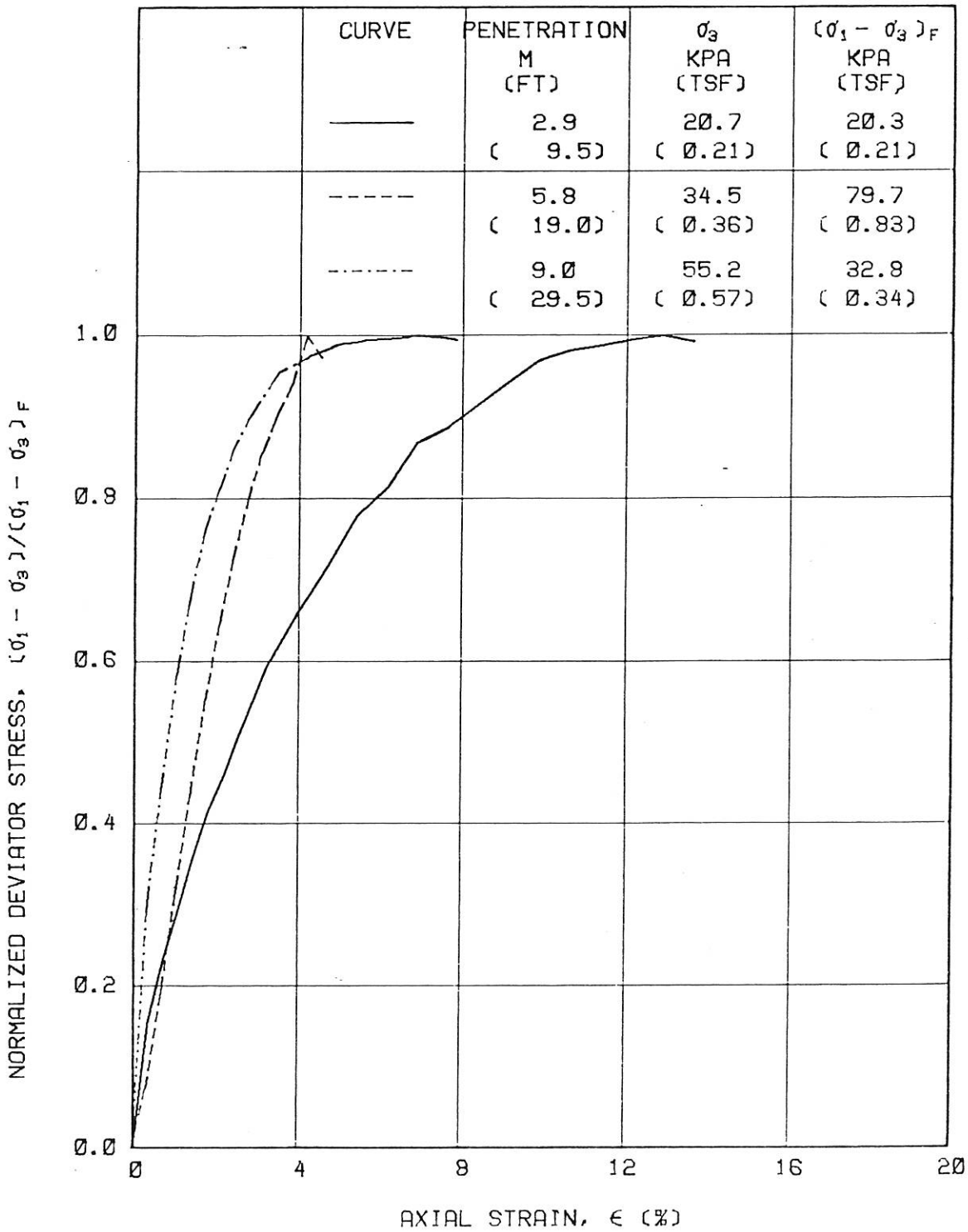


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 22

282-0190-2



STRESS-STRAIN CURVES

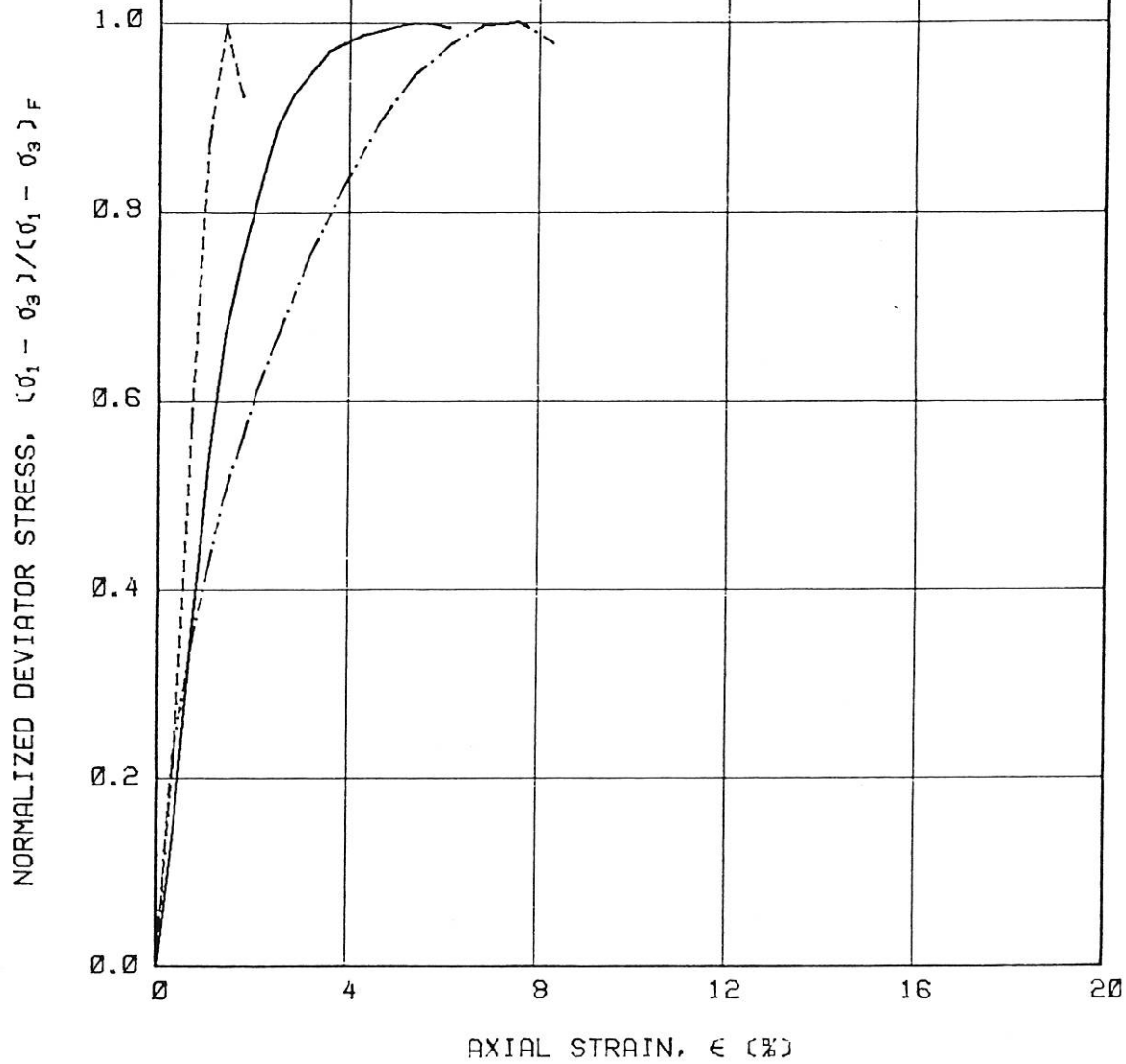
UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 23

McCLELLAND ENGINEERS

PLATE

CURVE	PENETRATION M (FT)	σ_3 KPA (TSF)	$(\sigma_1 - \sigma_3)_F$ KPA (TSF)
———	15.1 (49.5)	96.5 (1.01)	48.9 (0.51)
- - - - -	18.1 (59.5)	117.2 (1.22)	56.9 (0.59)
-·-·-·-	27.1 (89.0)	172.4 (1.80)	62.4 (0.65)

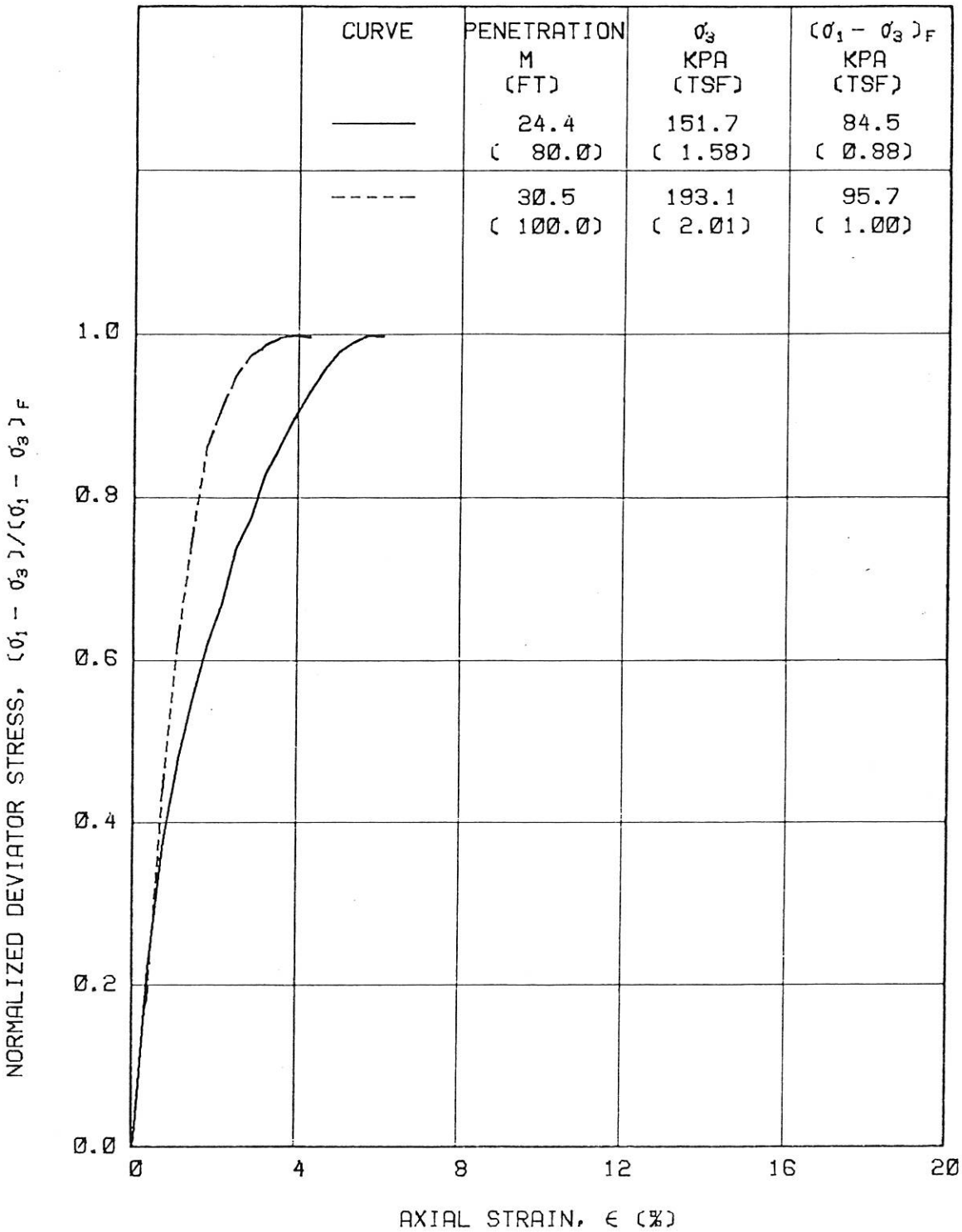


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 23

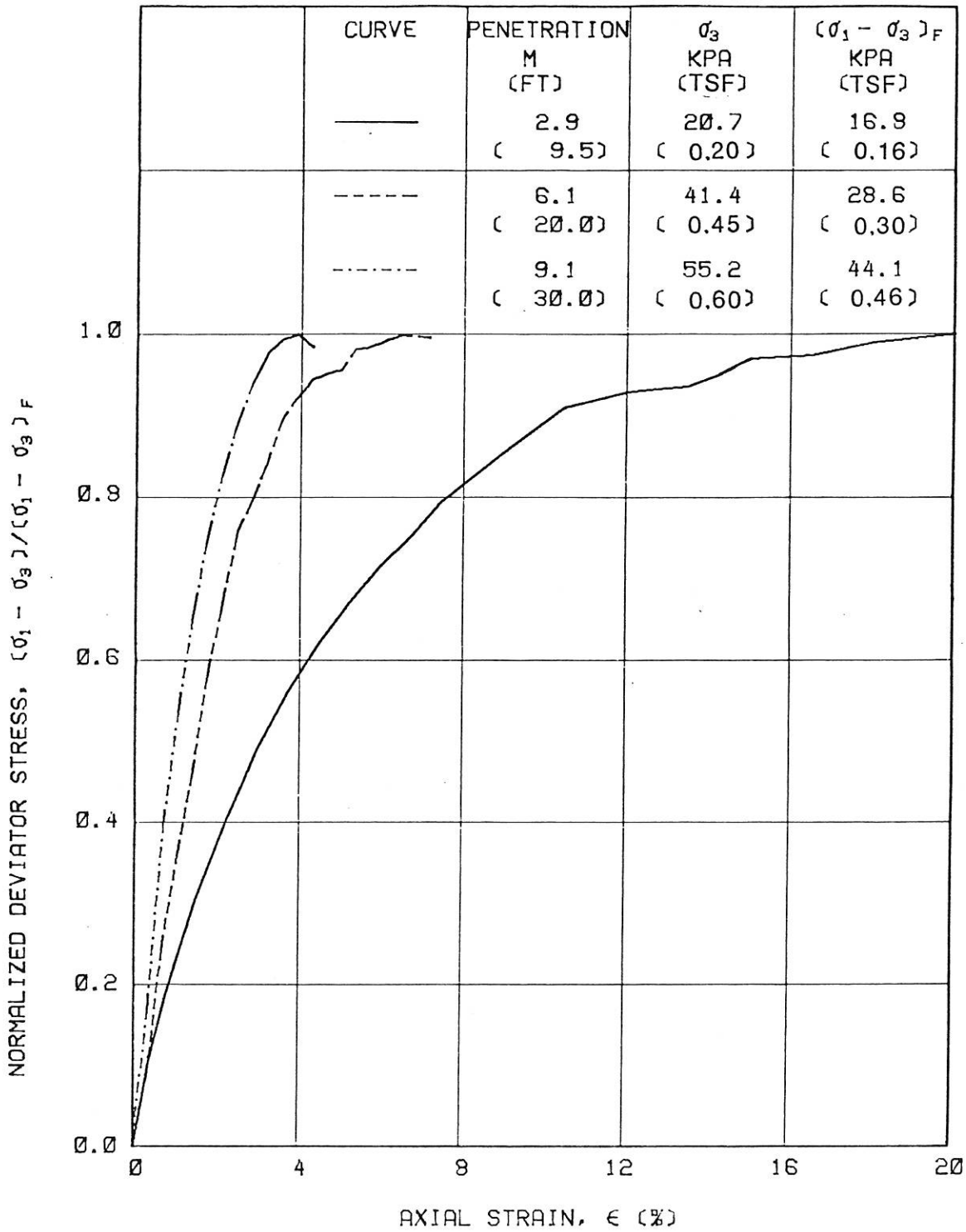
282-0190-2



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

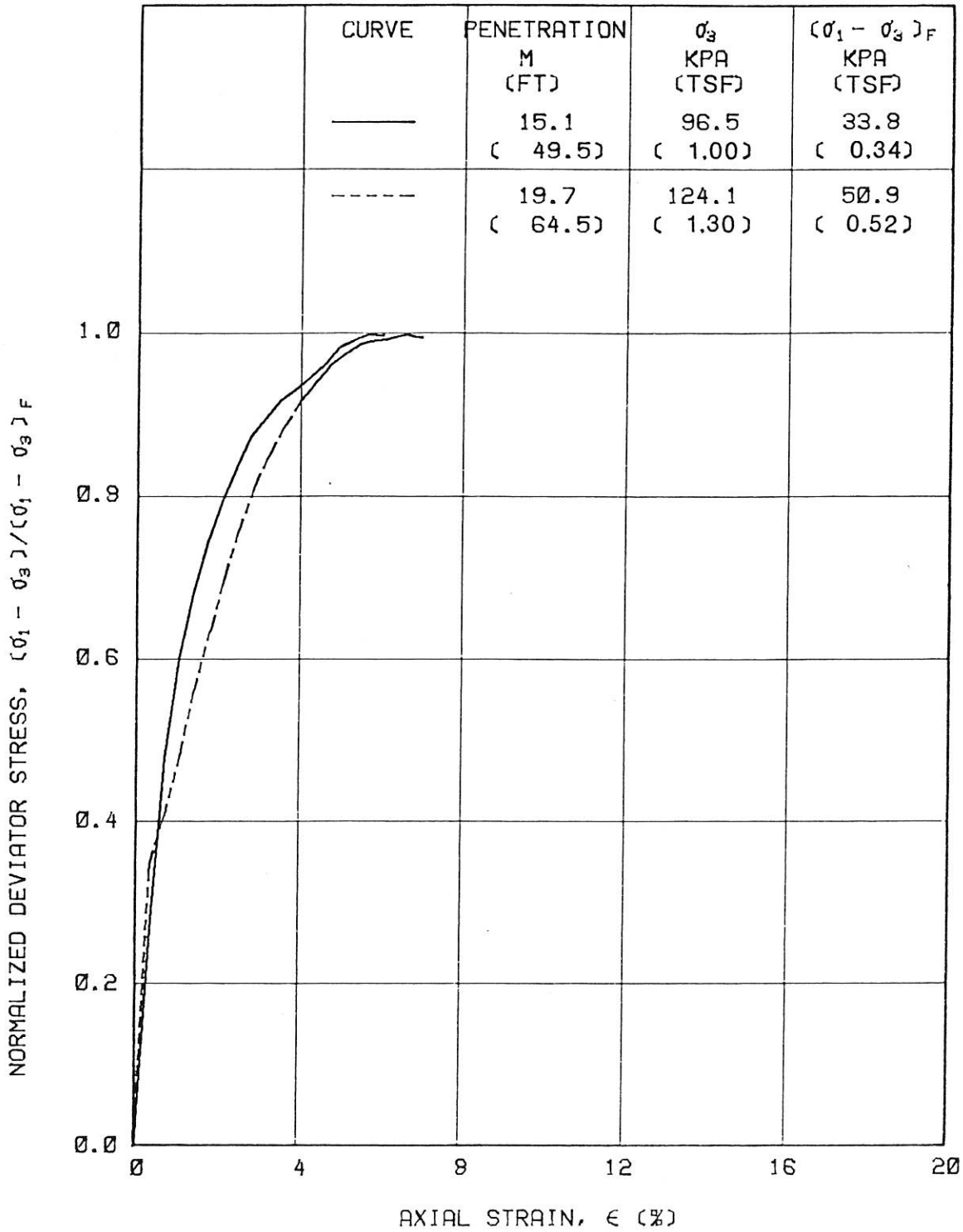
BORING 24



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

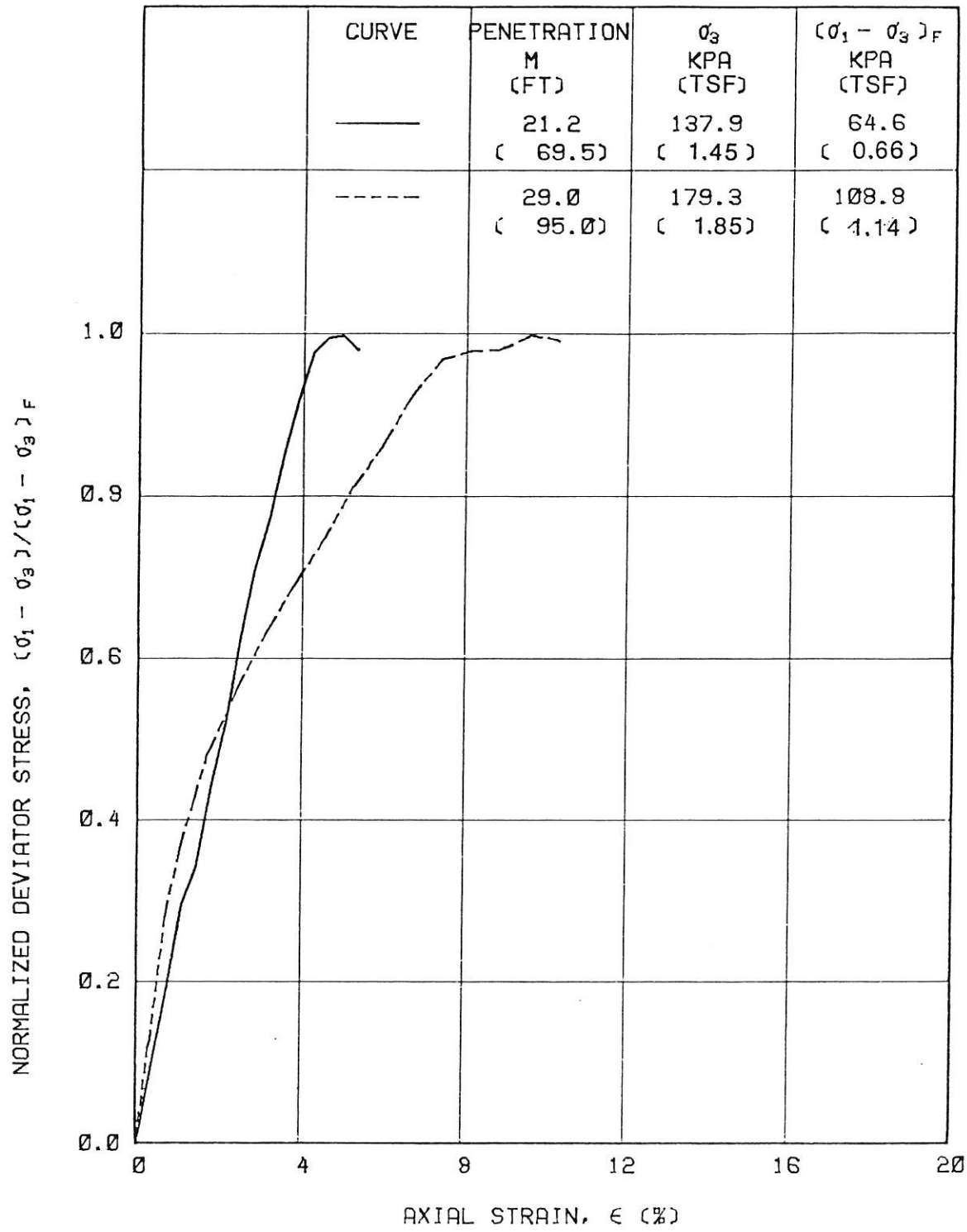
BORING 25



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 25

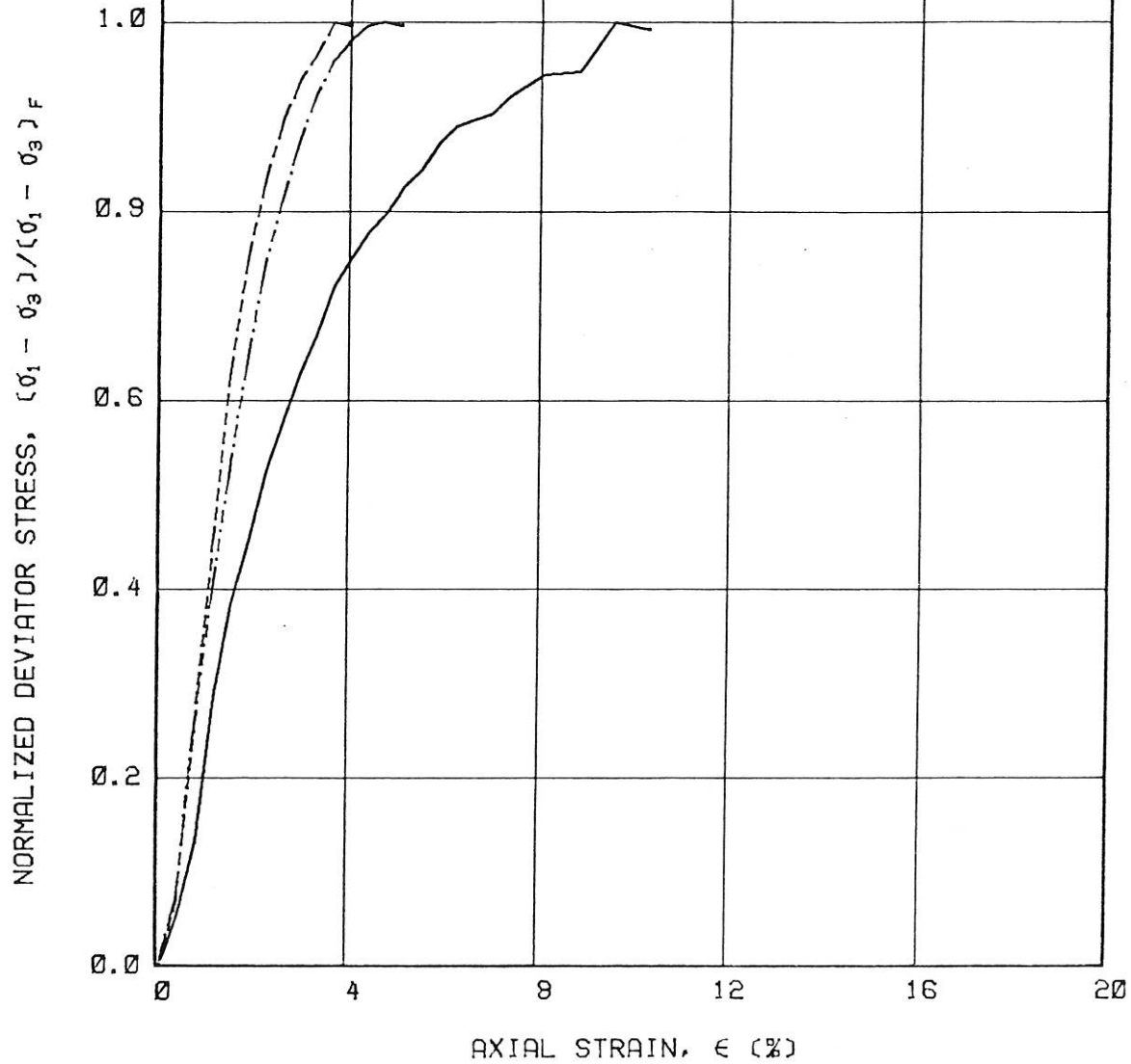


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 25

CURVE	PENETRATION M (FT)	σ_3 KPA (TSF)	$(\sigma_1 - \sigma_3)_F$ KPA (TSF)
———	1.5 (5.0)	13.8 (0.15)	10.2 (0.10)
- - - - -	10.5 (34.5)	69.0 (0.70)	35.0 (0.36)
-·-·-·-	15.2 (50.0)	96.5 (1.00)	60.8 (0.62)

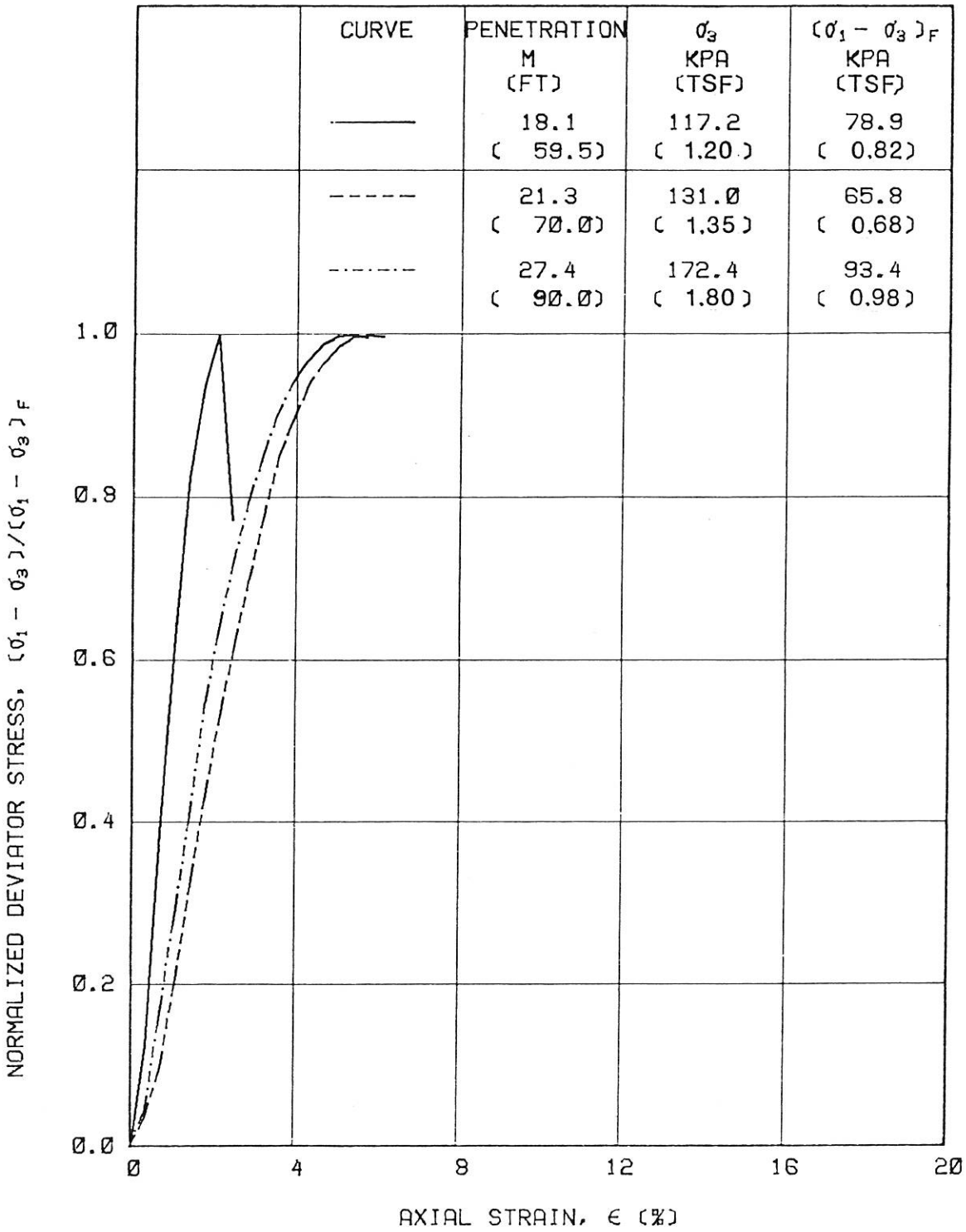


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 26

2R2-0190-2



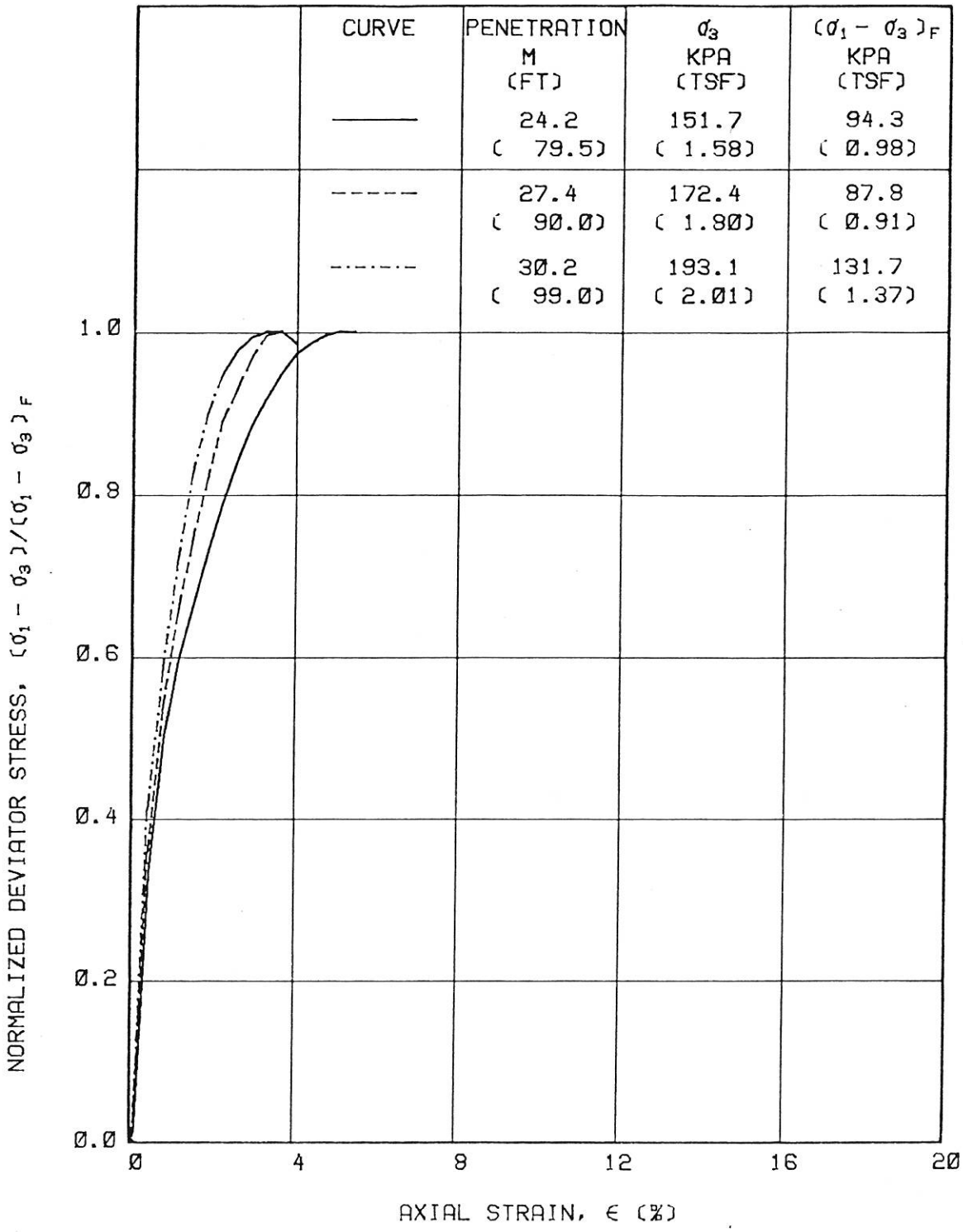
STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 26

McCLELLAND ENGINEERS

PLATE

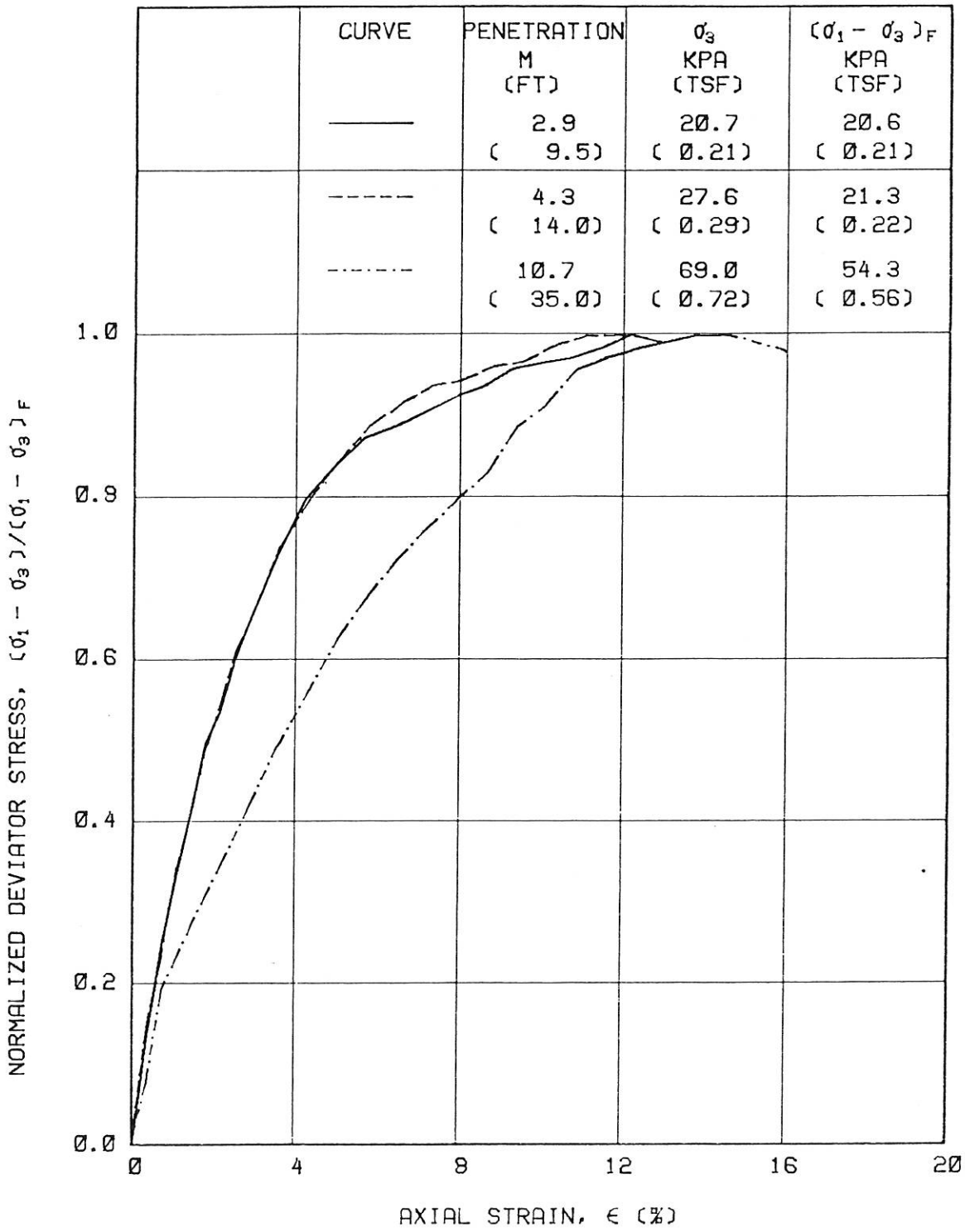


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 27

282-0190-2



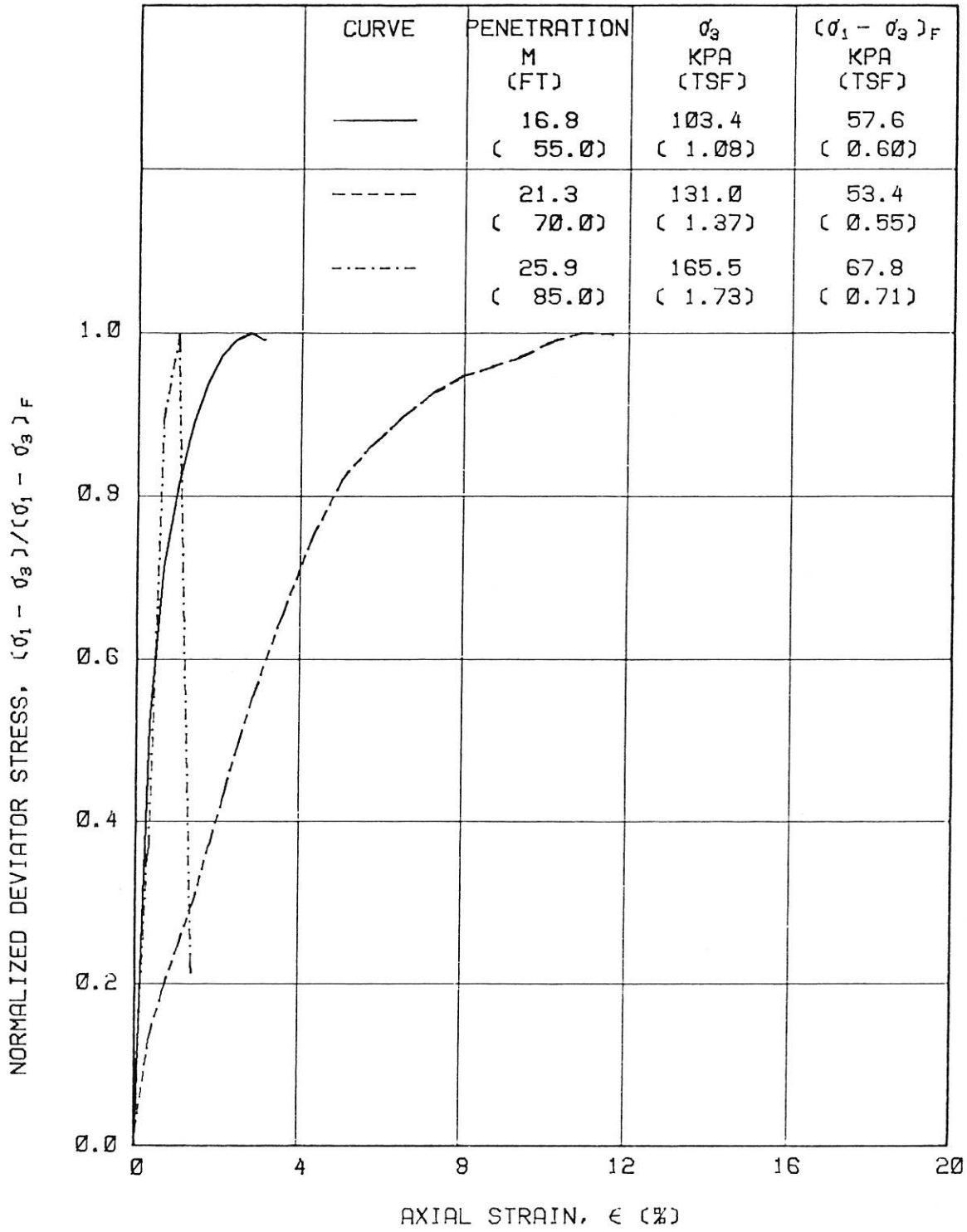
STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 28

McCLELLAND ENGINEERS

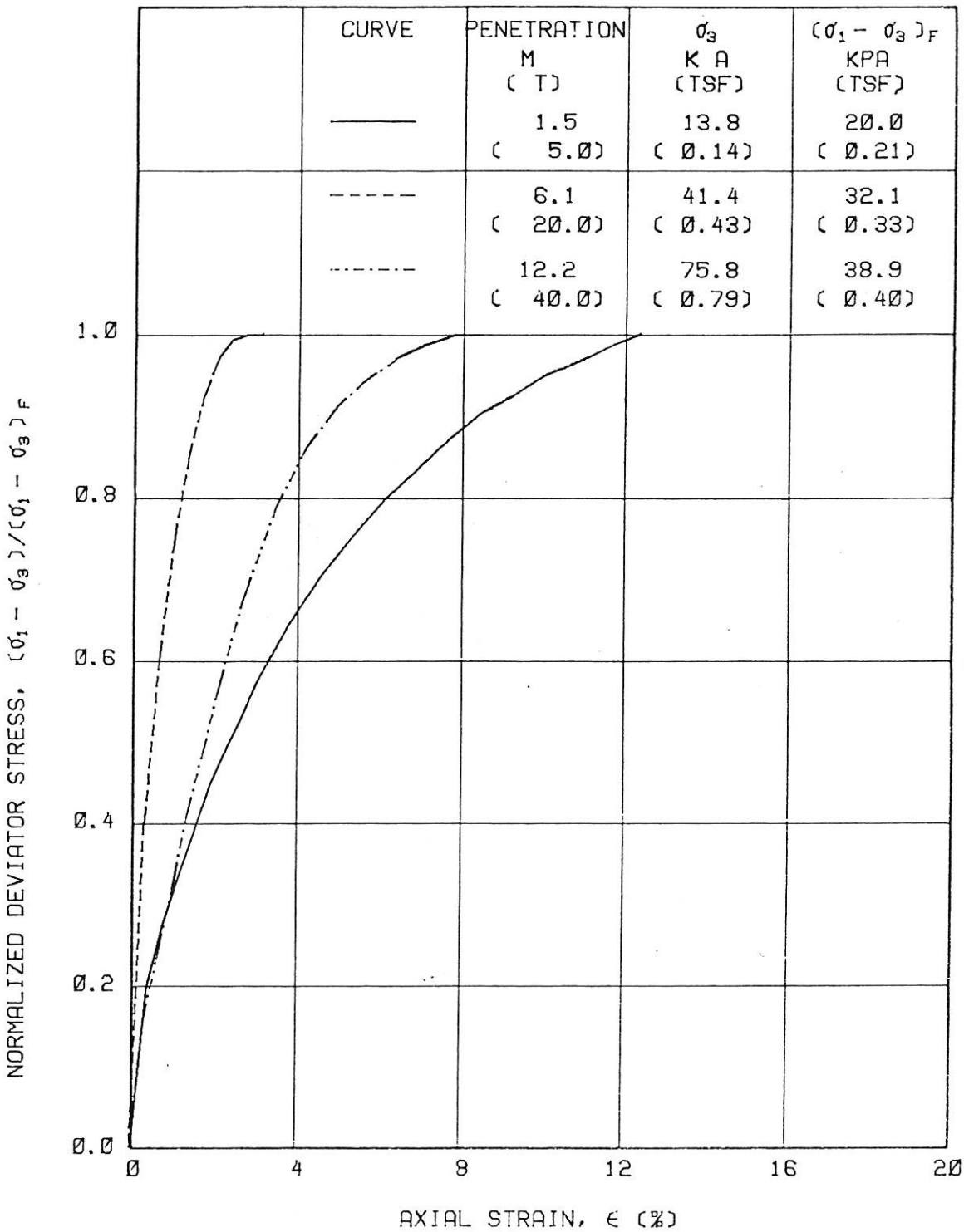
PLATE



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 28

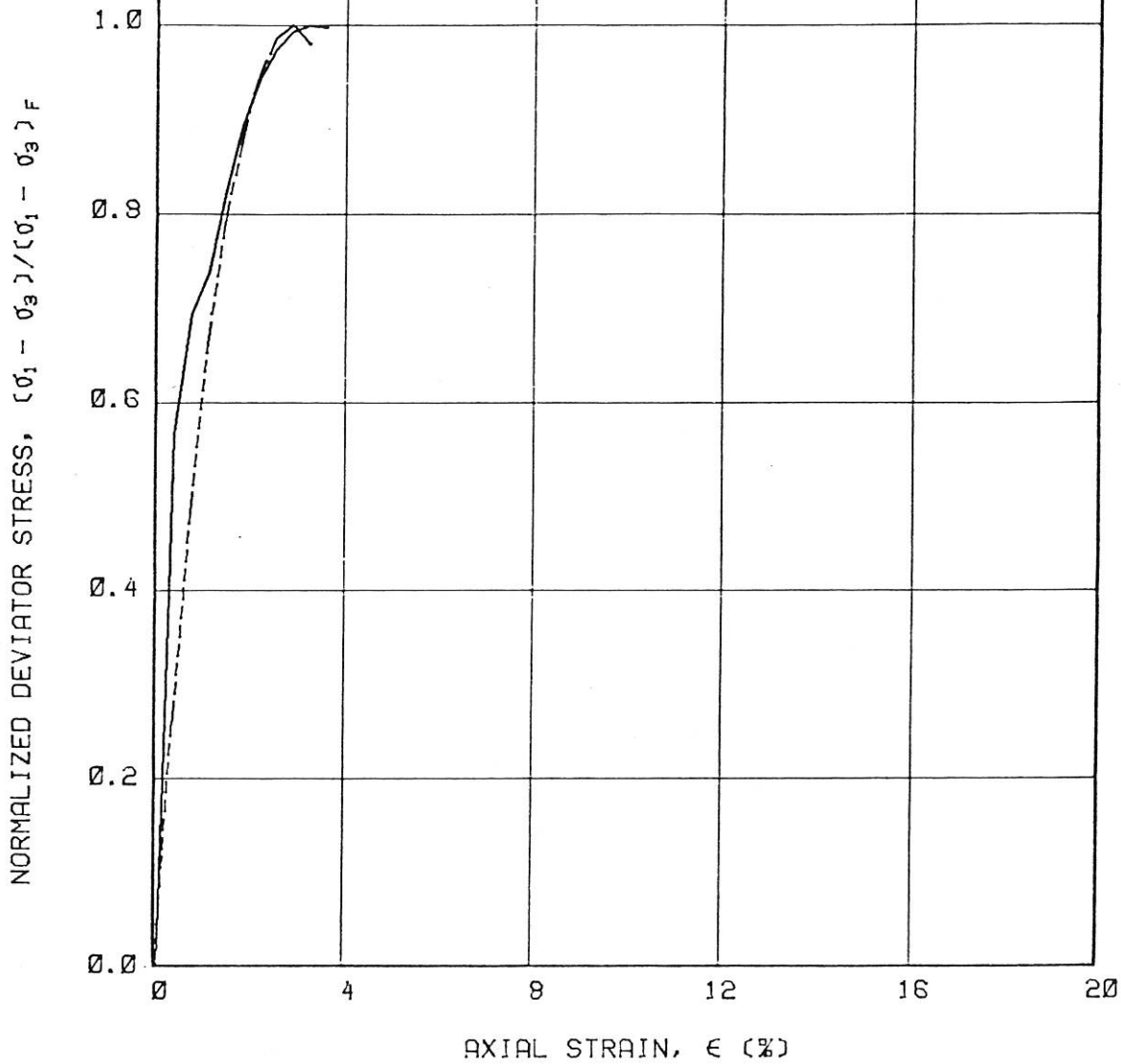


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 29

CURVE	PENETRATION M (FT)	σ_3 KPA (TSF)	$(\sigma_1 - \sigma_3)_F$ KPA (TS
———	22.9 (75.0)	144.8 (1.51)	112.6 (1.17)
- - - - -	29.0 (95.0)	179.3 (1.87)	173.4 (1.81)

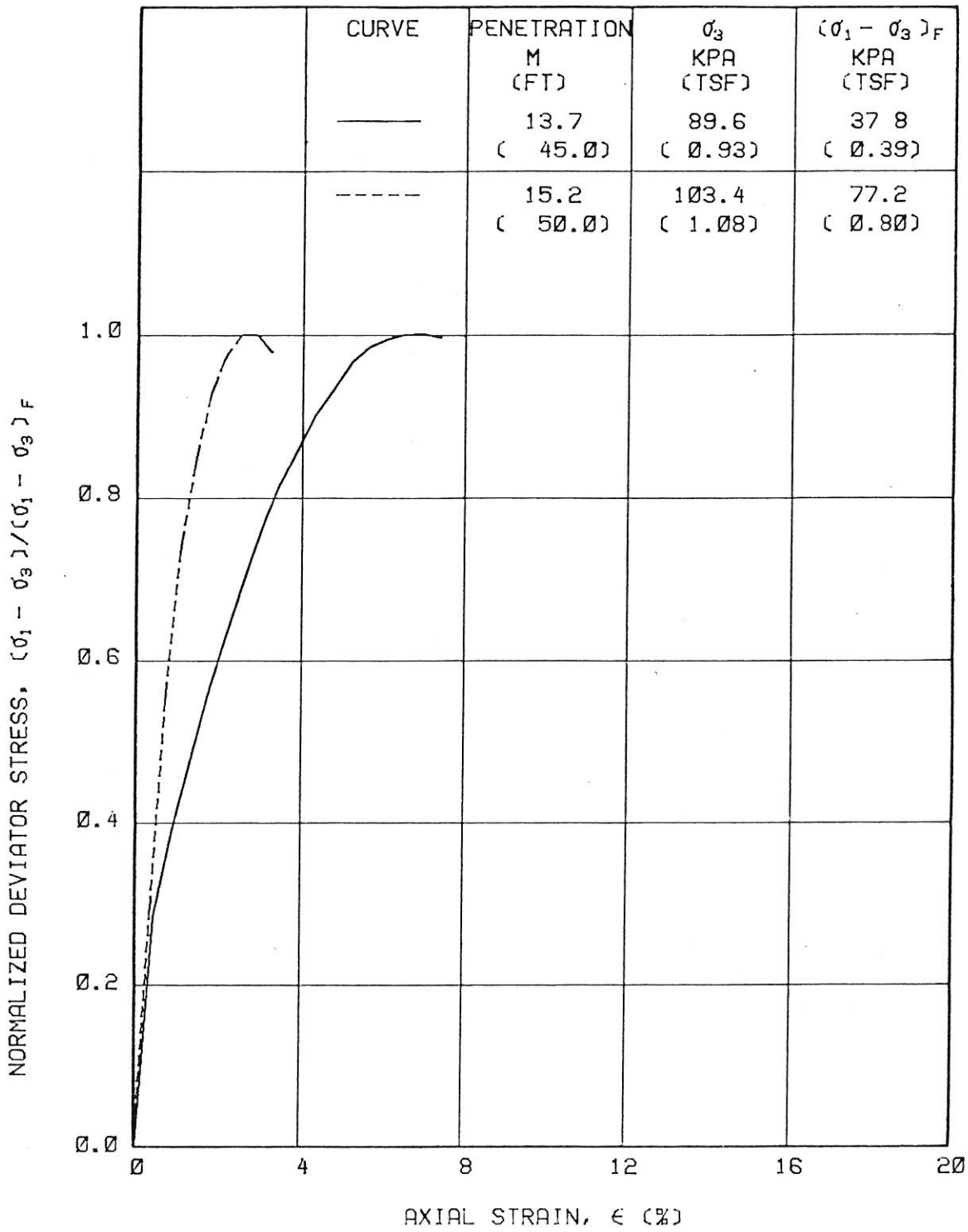


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 29

282-0190-2



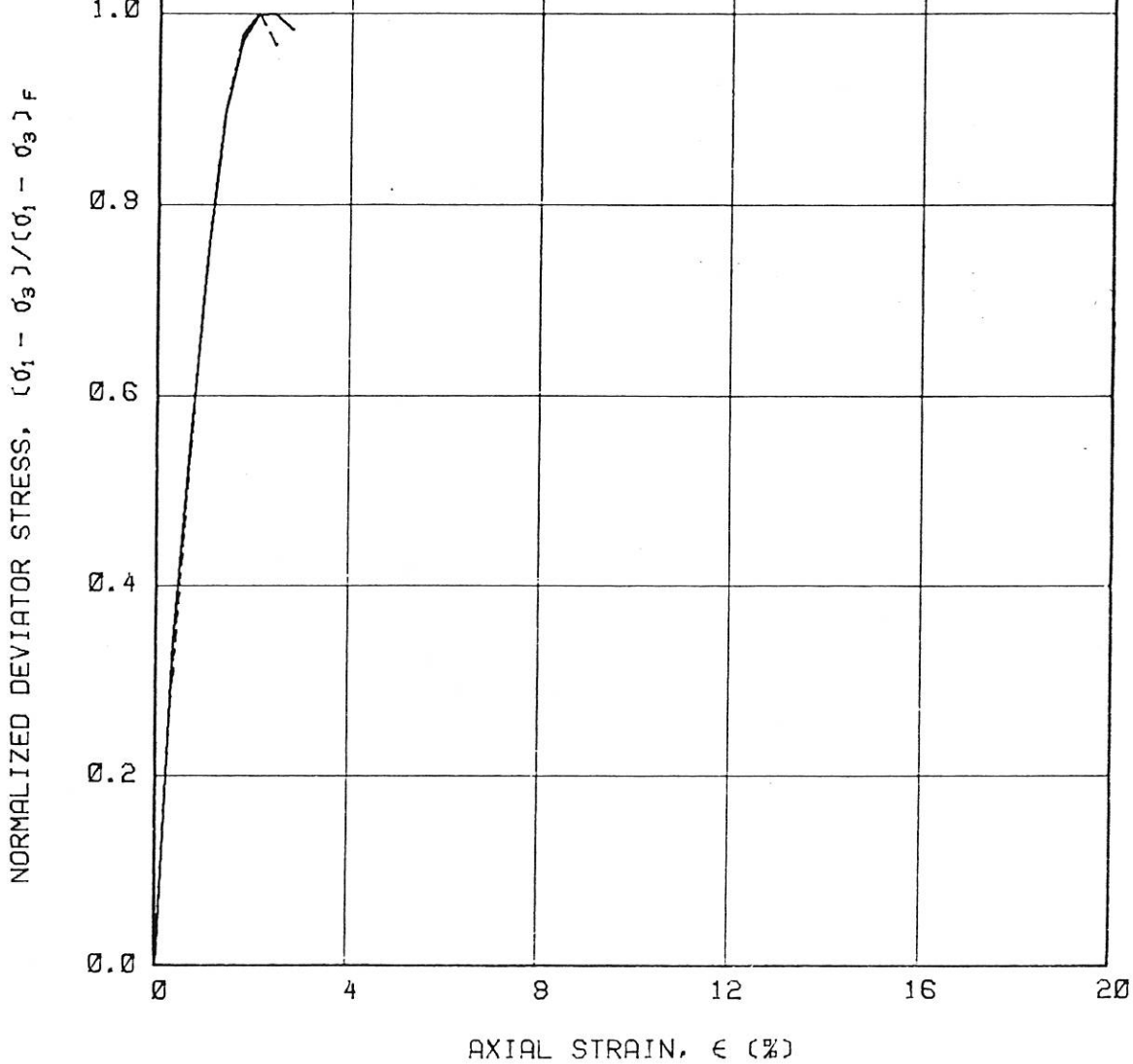
STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 29

2R2-0190-3

CURVE	PENETRATION M (FT)	σ_3 KPA (TSF)	$(\sigma_1 - \sigma_3)_F$ KPA (TSF)
———	24.4 (80.0)	151.7 (1.58)	74.8 (0.78)
- - - -	30.5 (100.0)	193.1 (2.01)	138.7 (1.45)



STRESS-STRAIN CURVES

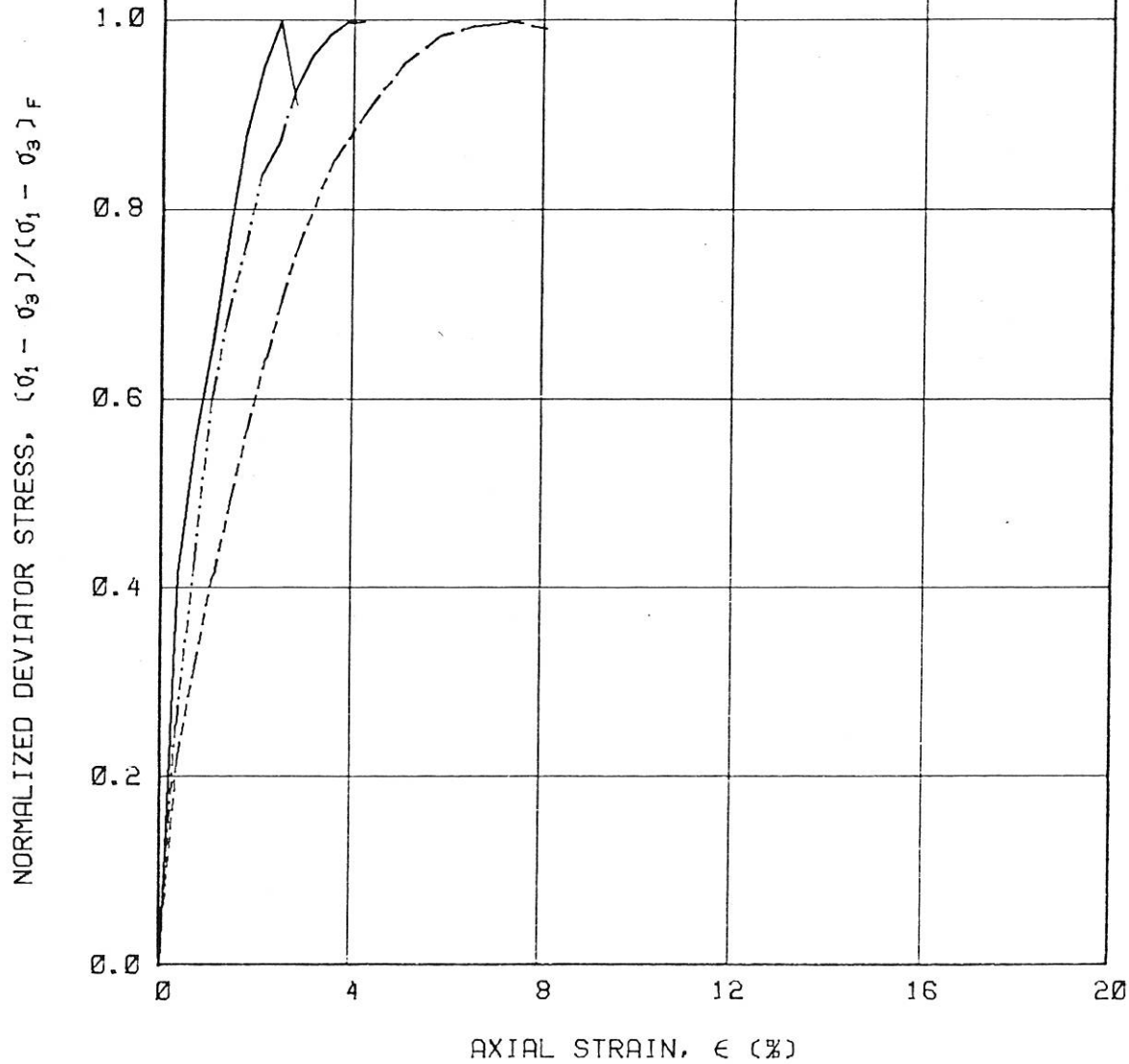
UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 30

McCLELLAND ENGINEERS

PLATE

CURVE	PENETRATION M (FT)	σ_3 KPA (TSF)	$(\sigma_1 - \sigma_3)_F$ KPA (TSF)
———	3.0 (10.0)	20.7 (0.21)	46.2 (0.48)
- - - - -	4.6 (15.0)	27.6 (9)	33.7 (0.35)
-·-·-·-	7.6 (25.0)	48.3 (0.50)	55.1 (0.57)

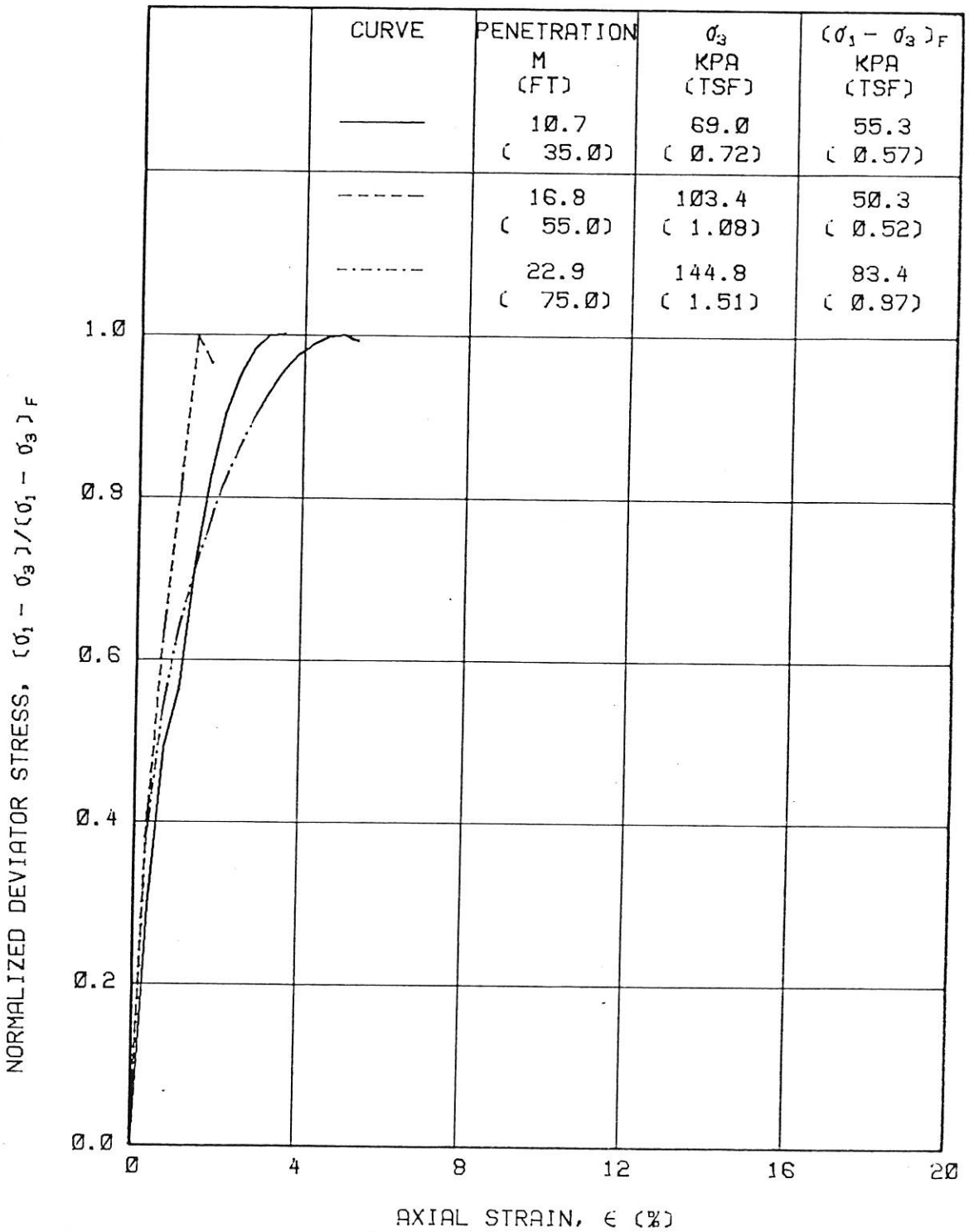


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 31

282-0190-3



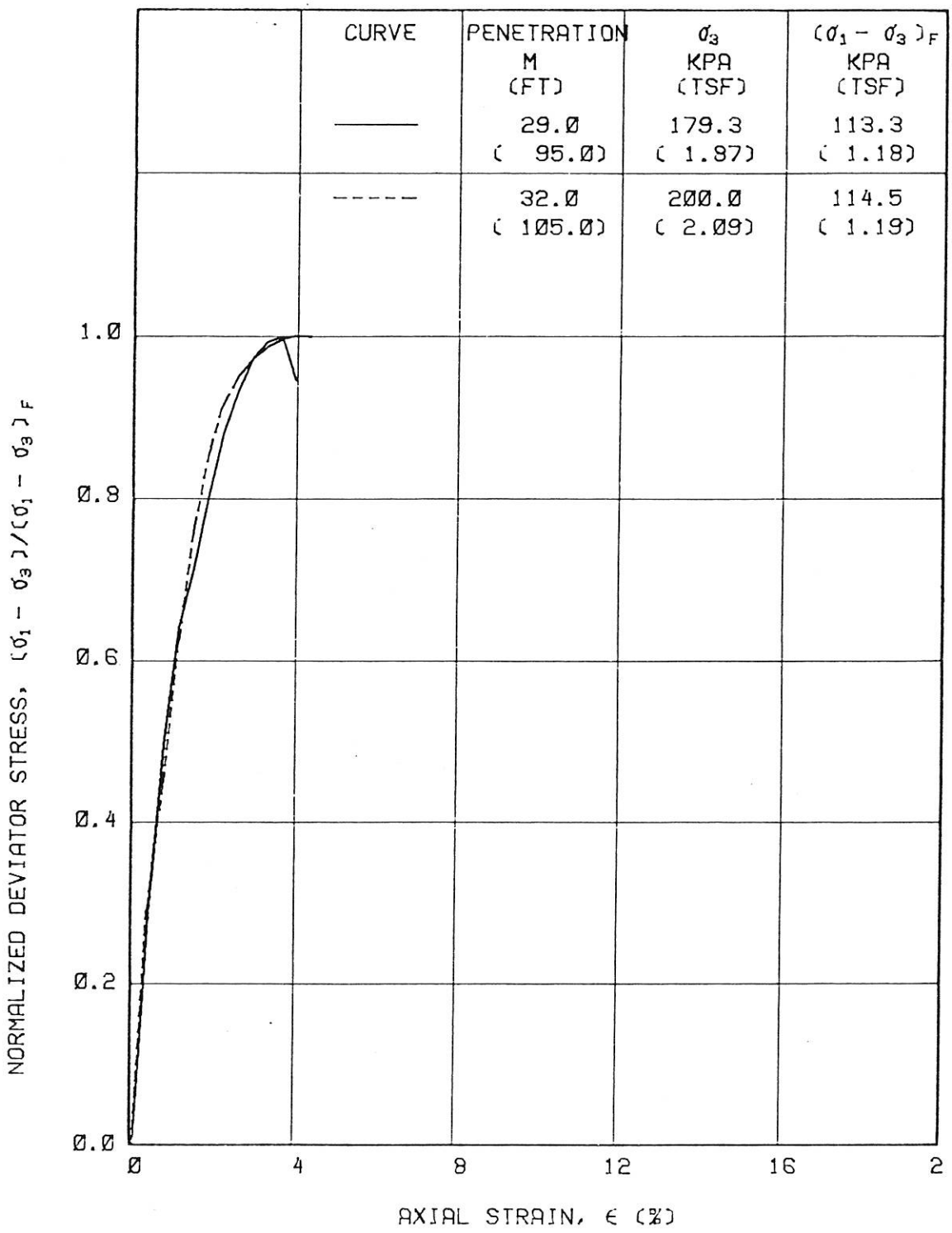
STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 31

McCLELLAND ENGINEERS

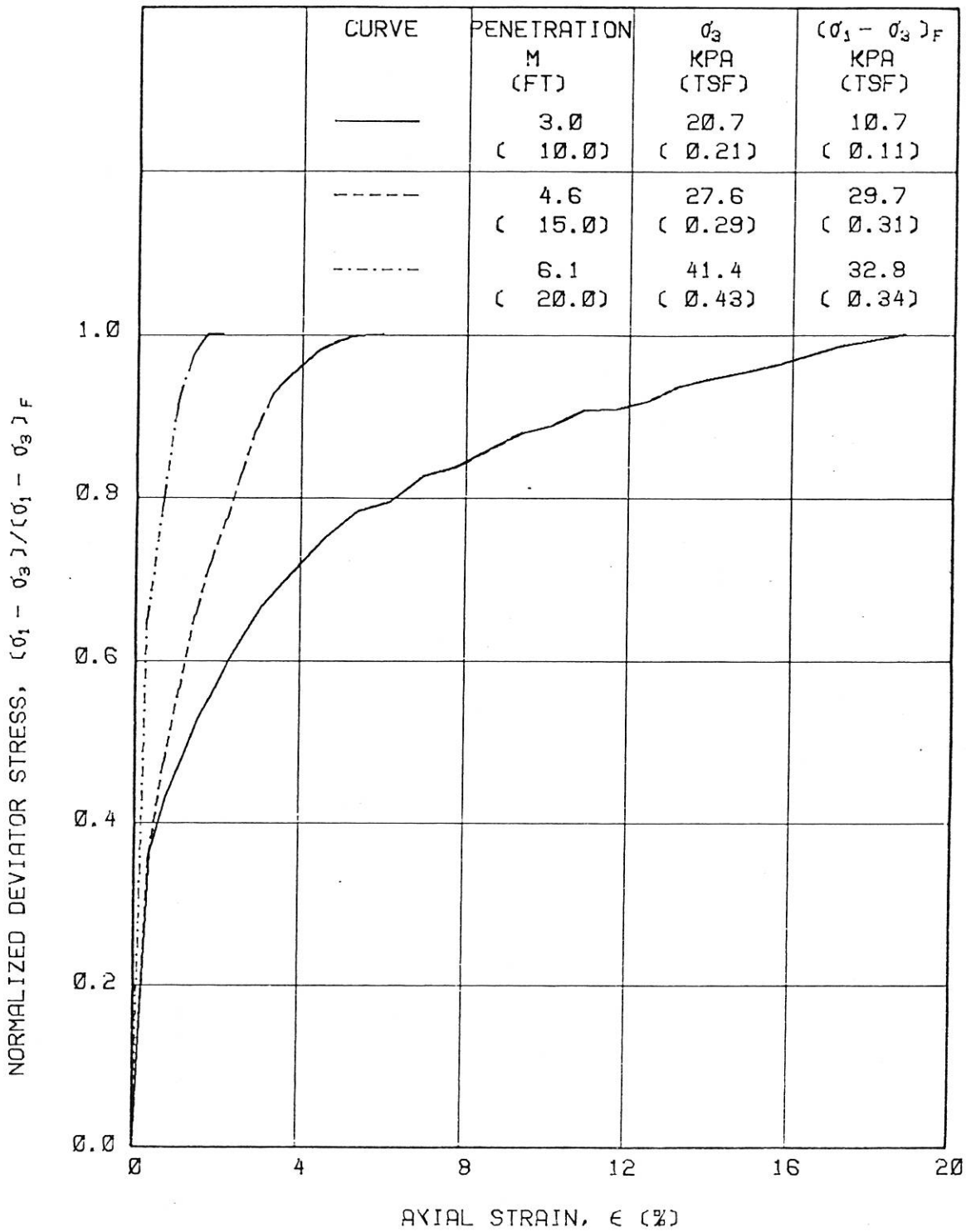
PLATE



STRESS-STRA N CURVES

UNC NSOL DATED UNDRAINED TRIAXIAL TEST

BORING 31



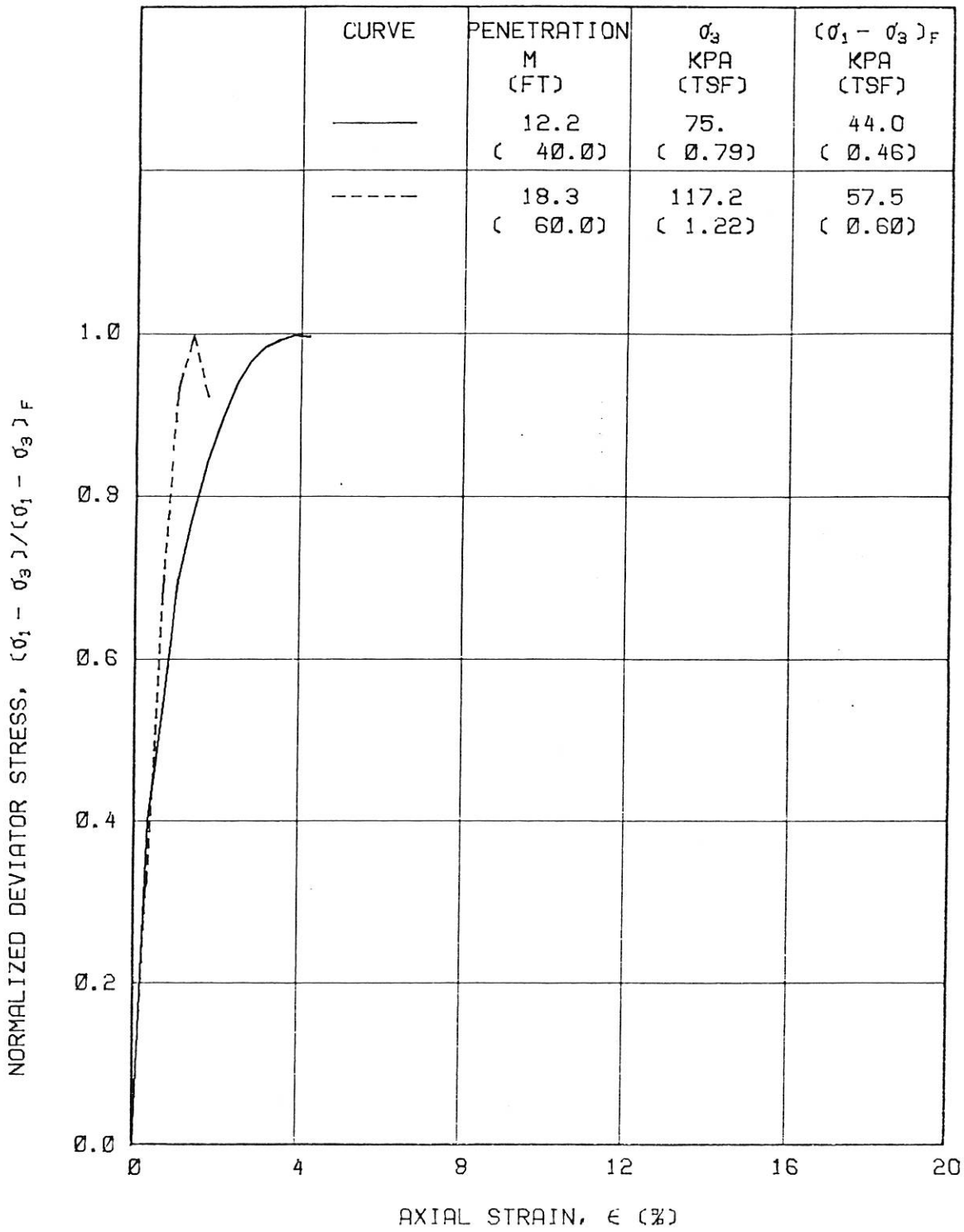
STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 32

McCLELLAND ENGINEERS

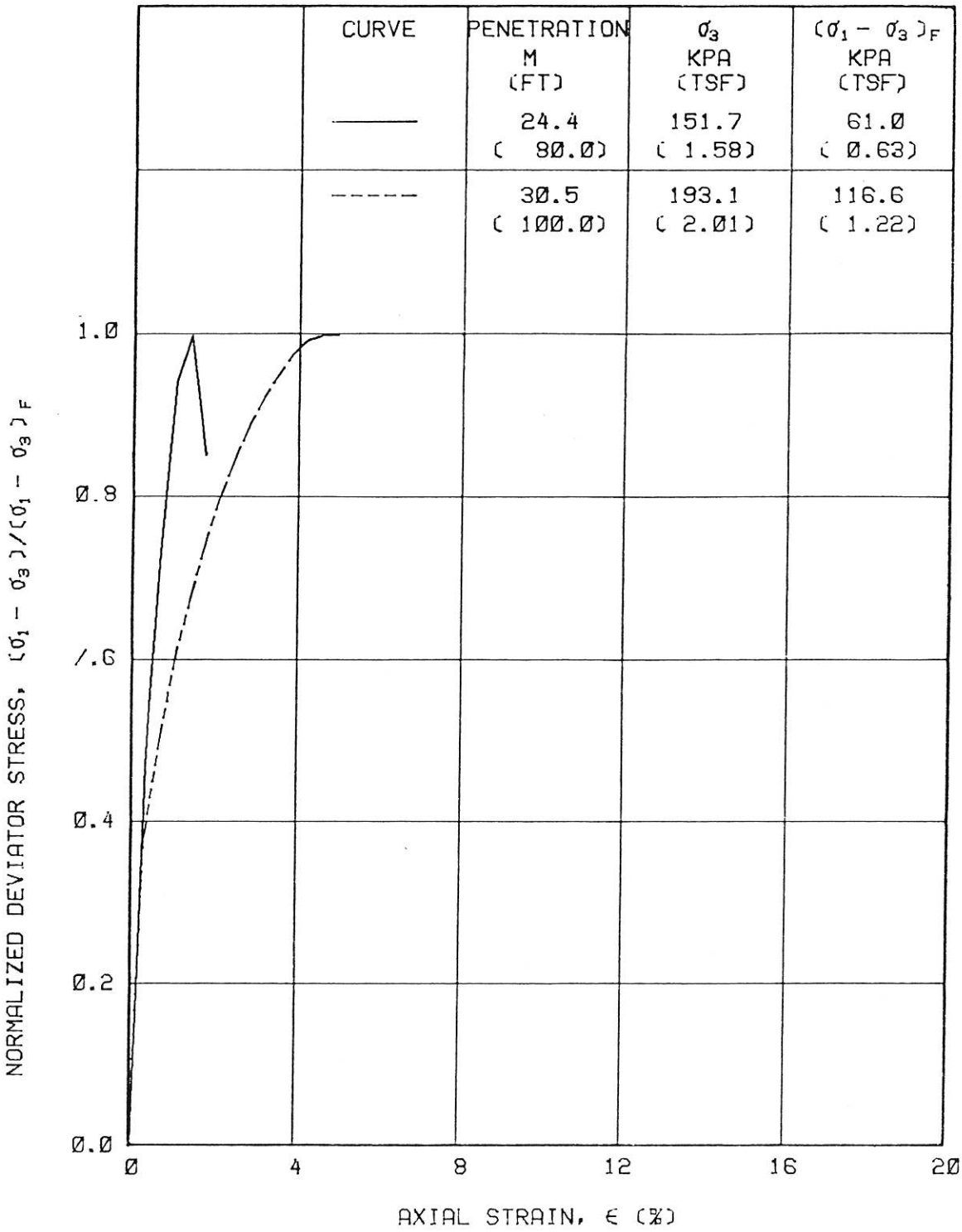
PLATE



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 32

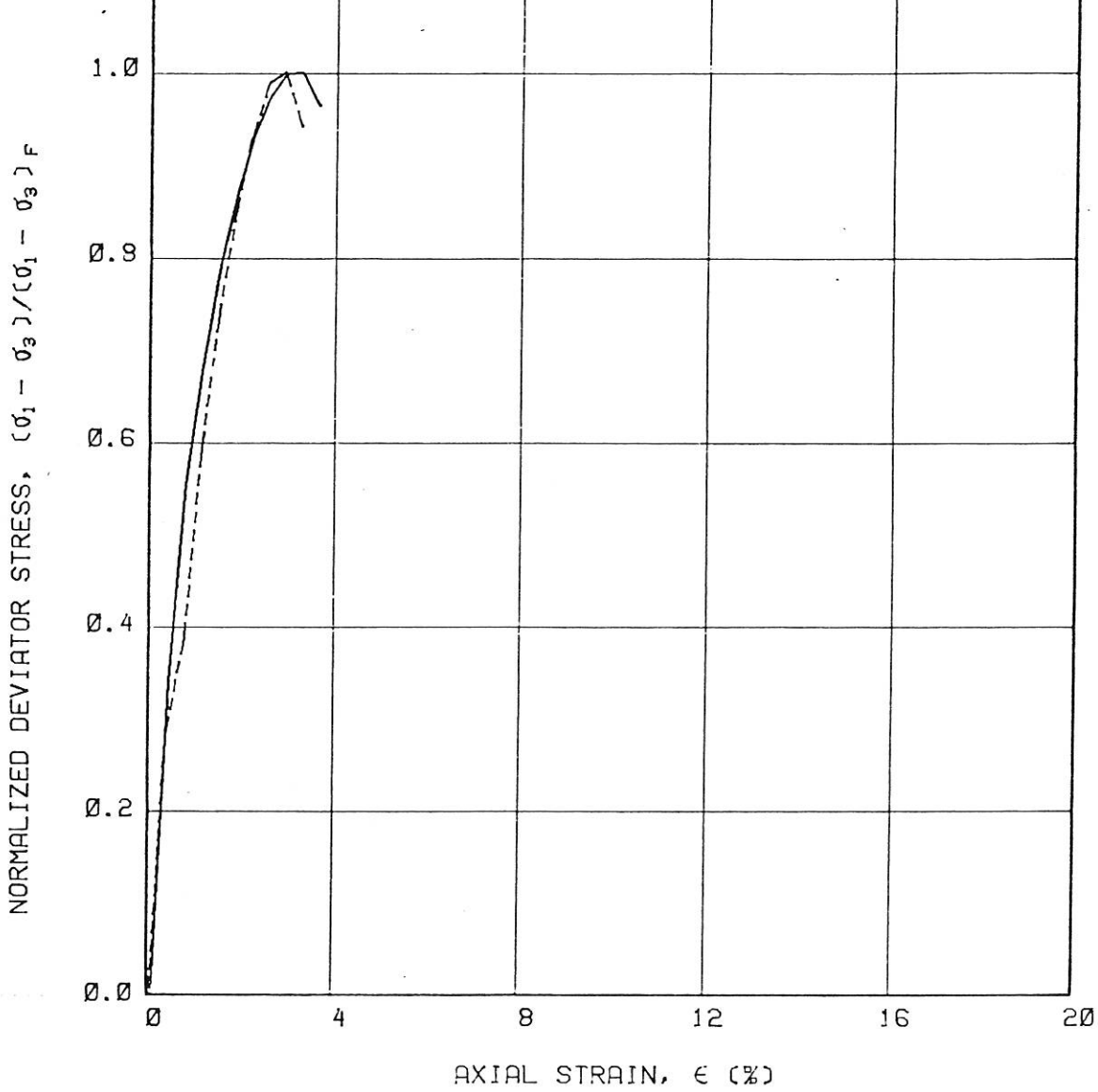


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 32

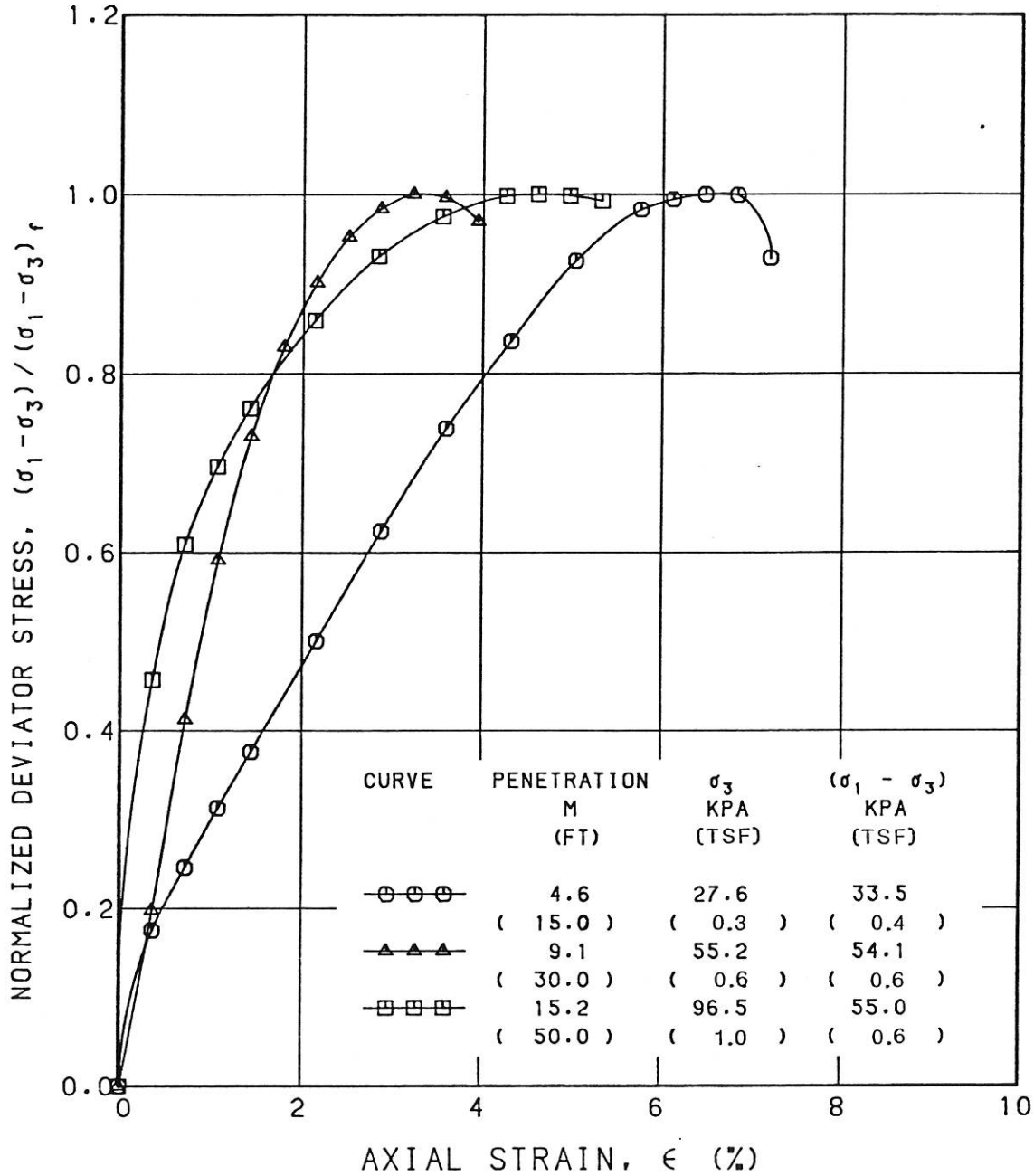
CURVE	PENETRATION M (FT)	σ_3 KPA (TSF)	$(\sigma_1 - \sigma_3)_F$ KPA (TSF)
———	24.4 (80.0)	151.7 (1.58)	105.0 (1.09)
- - - -	30.5 (100.0)	193.1 (2.01)	112.1 (1.17)



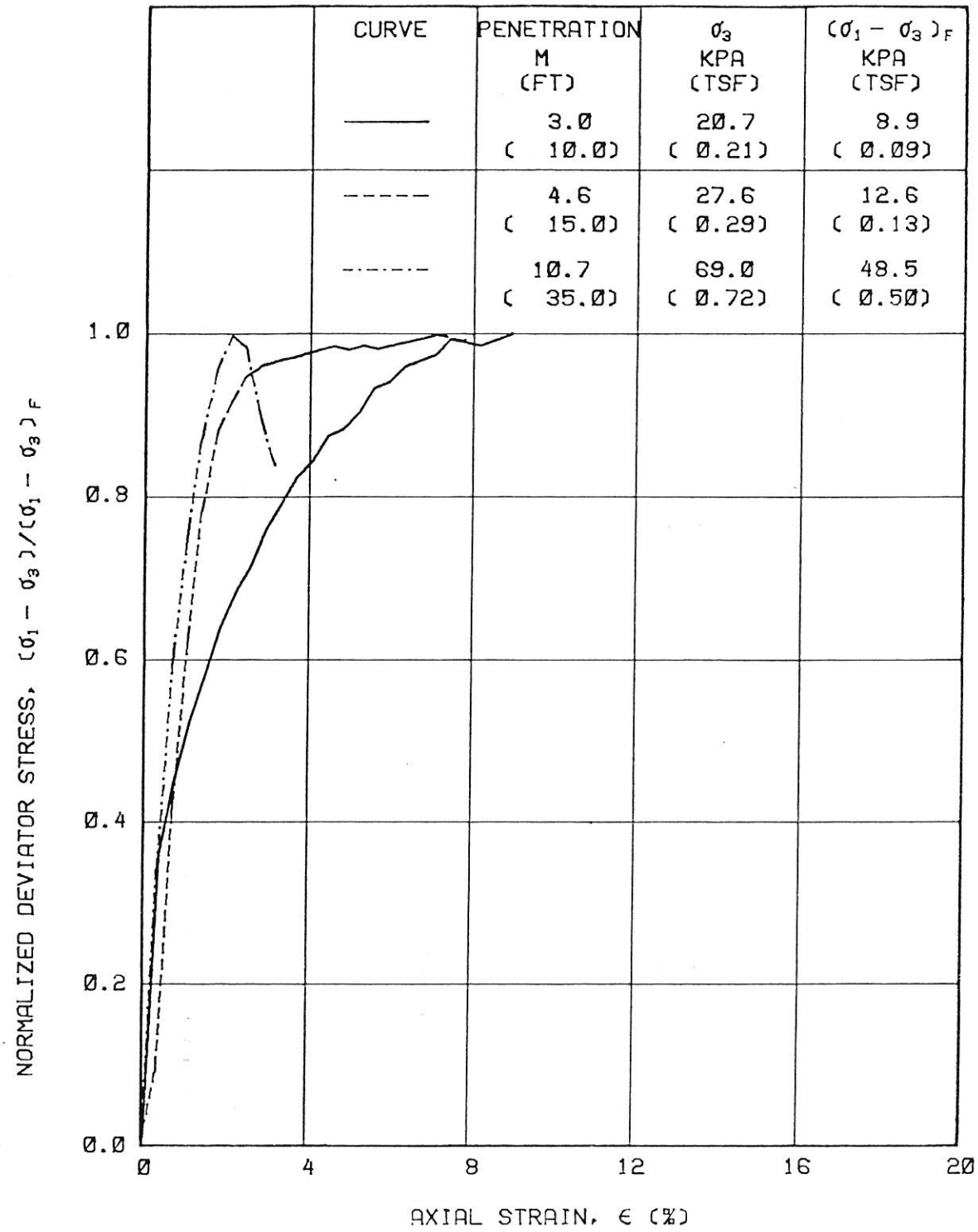
STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 33



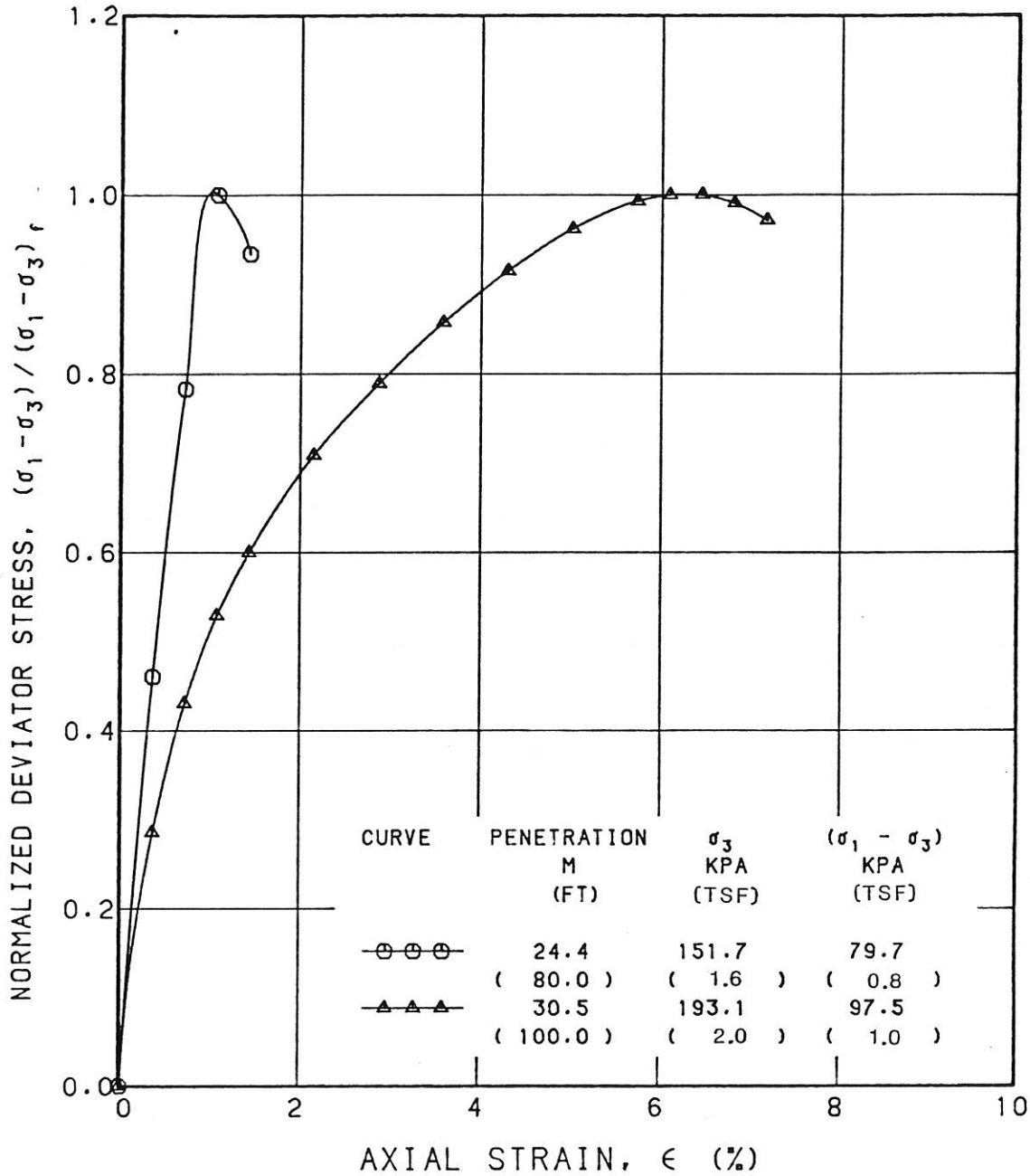
STRESS-STRAIN CURVES
UNCONSOLIDATED UNDRAINED TRIAXIAL TEST
BORING 34



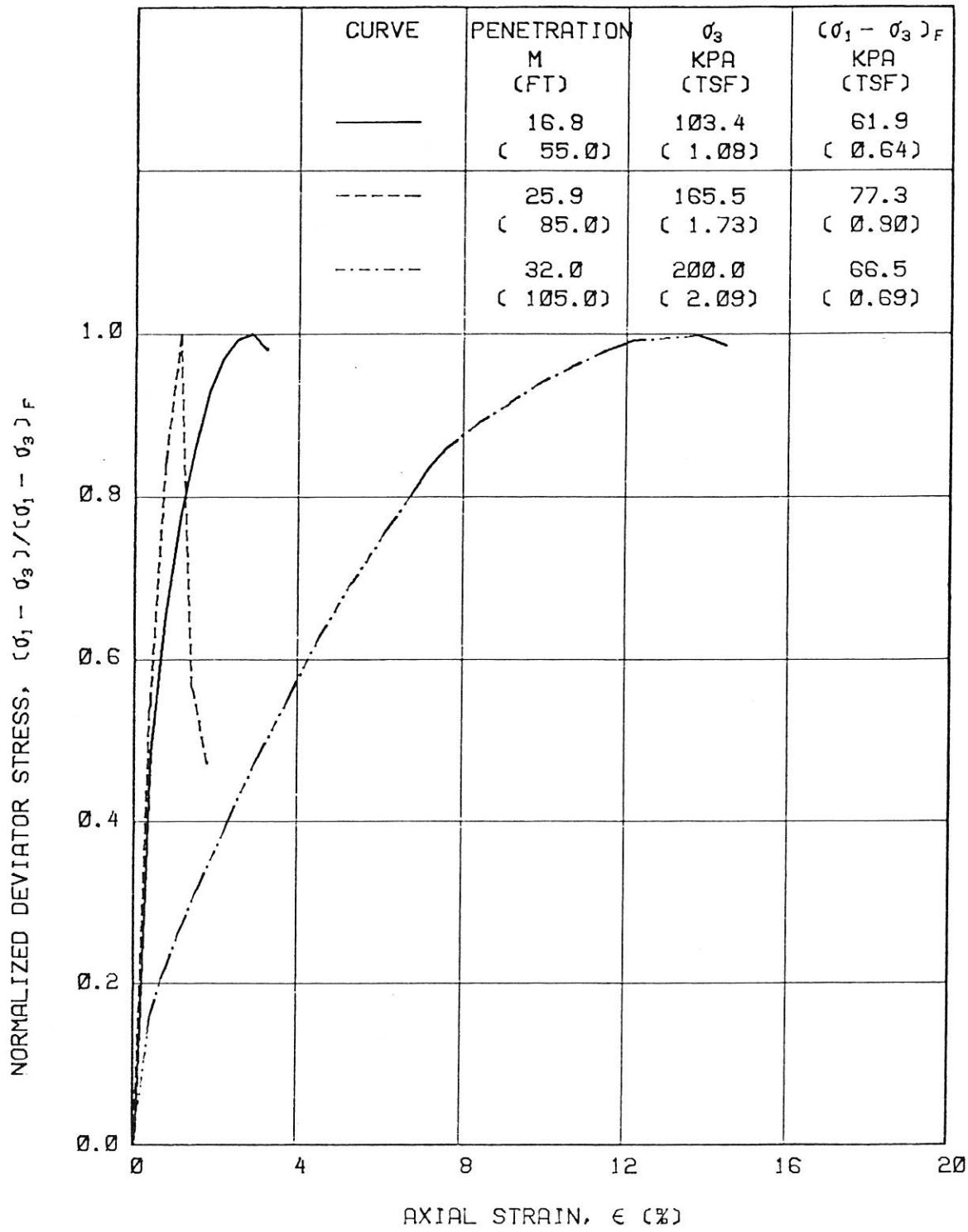
STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 35



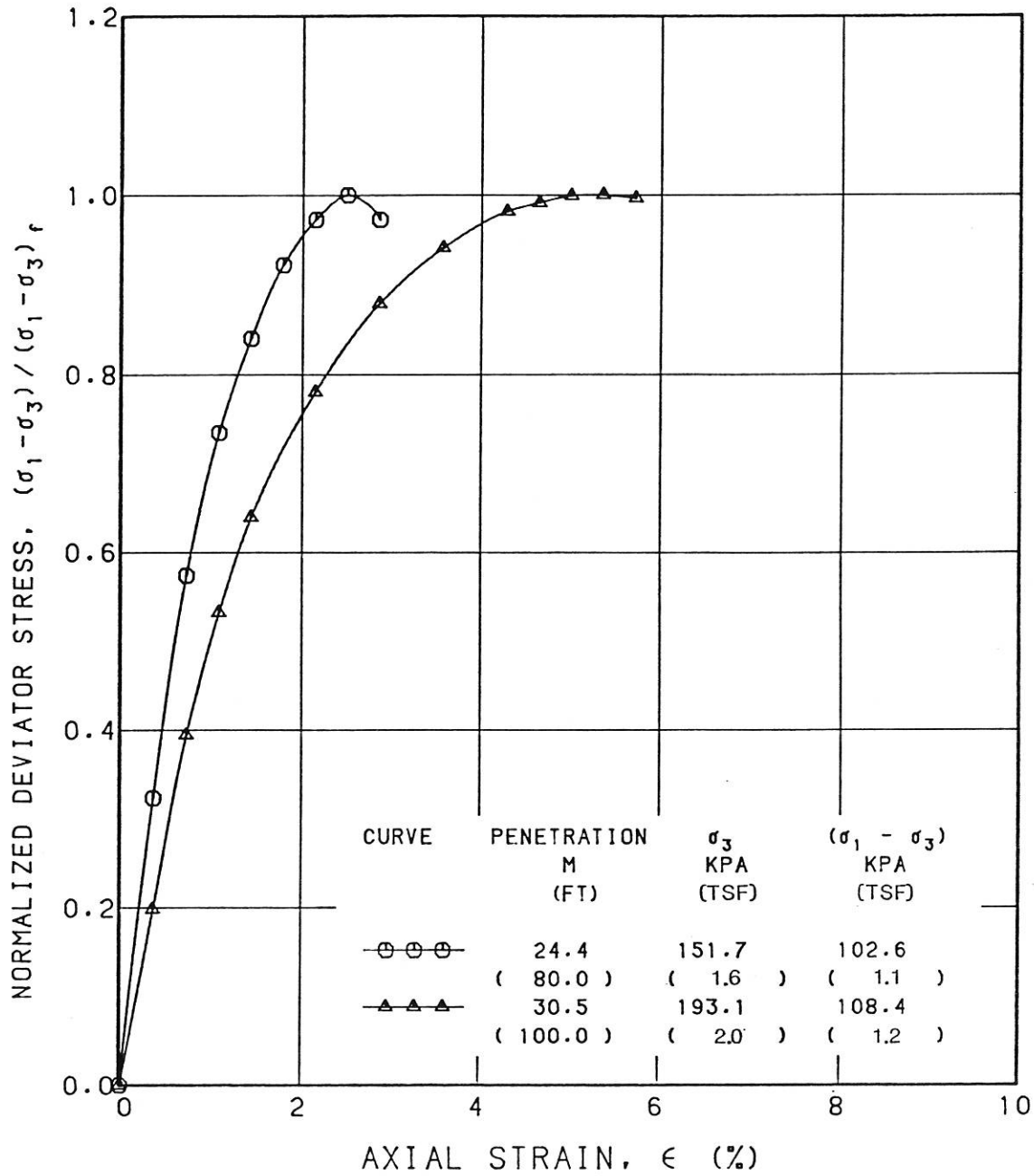
STRESS-STRAIN CURVES
UNCONSOLIDATED UNDRAINED TRIAXIAL TEST
BORING 34



STRESS-STRAIN CURVES

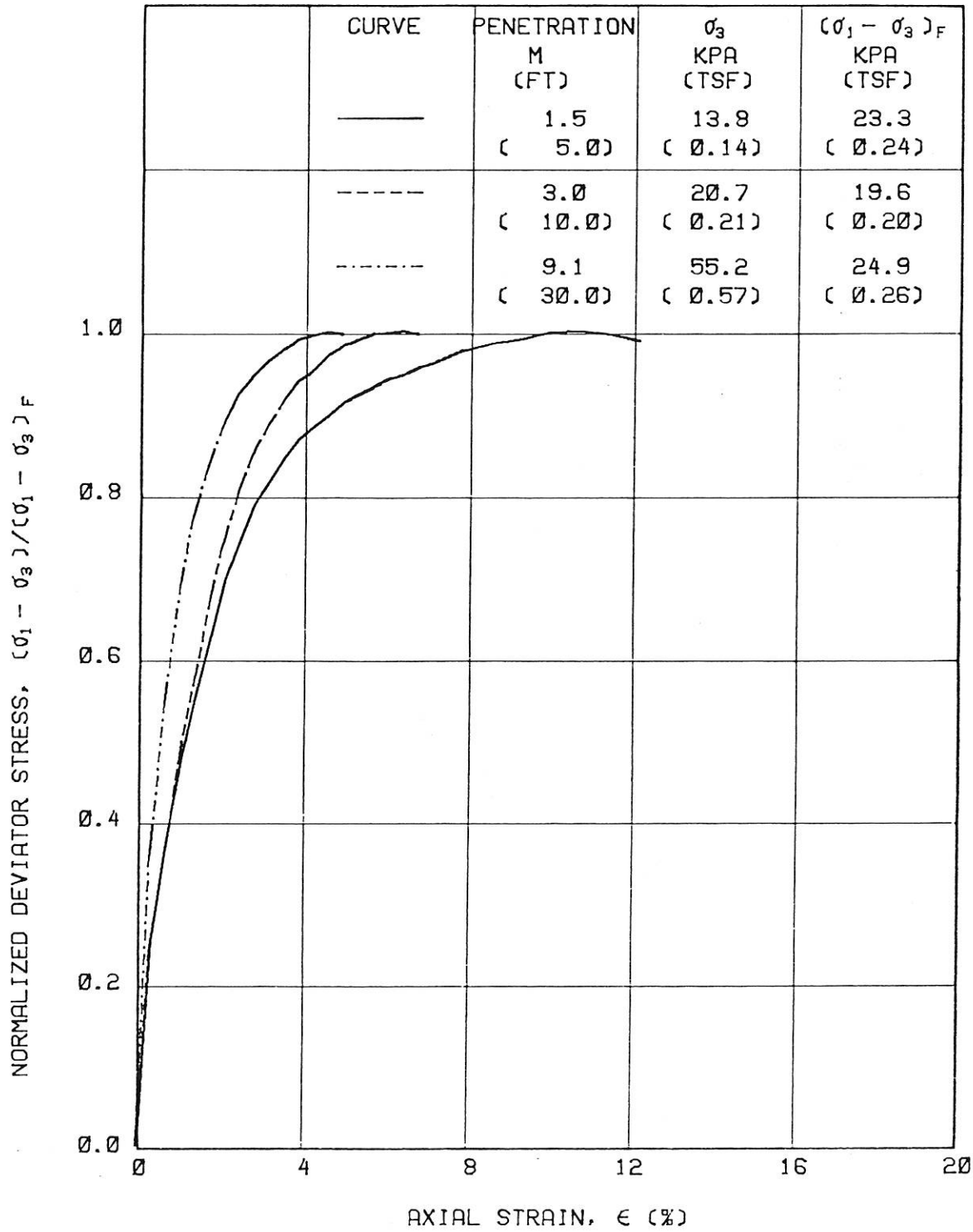
UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 35



STRESS-STRAIN CURVES
UNCONSOLIDATED UNDRAINED TRIAXIAL TEST
BORING 36

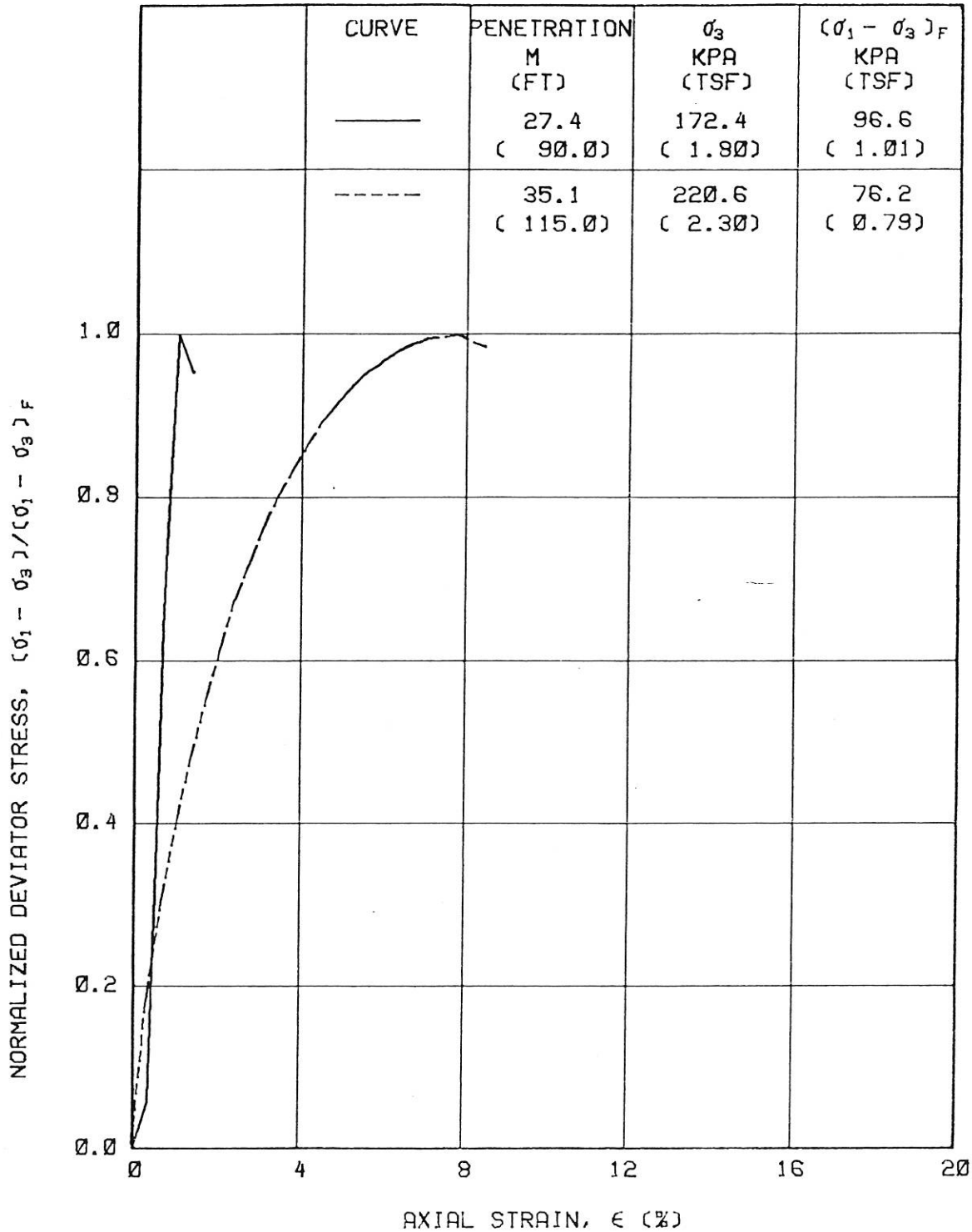
02820190



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

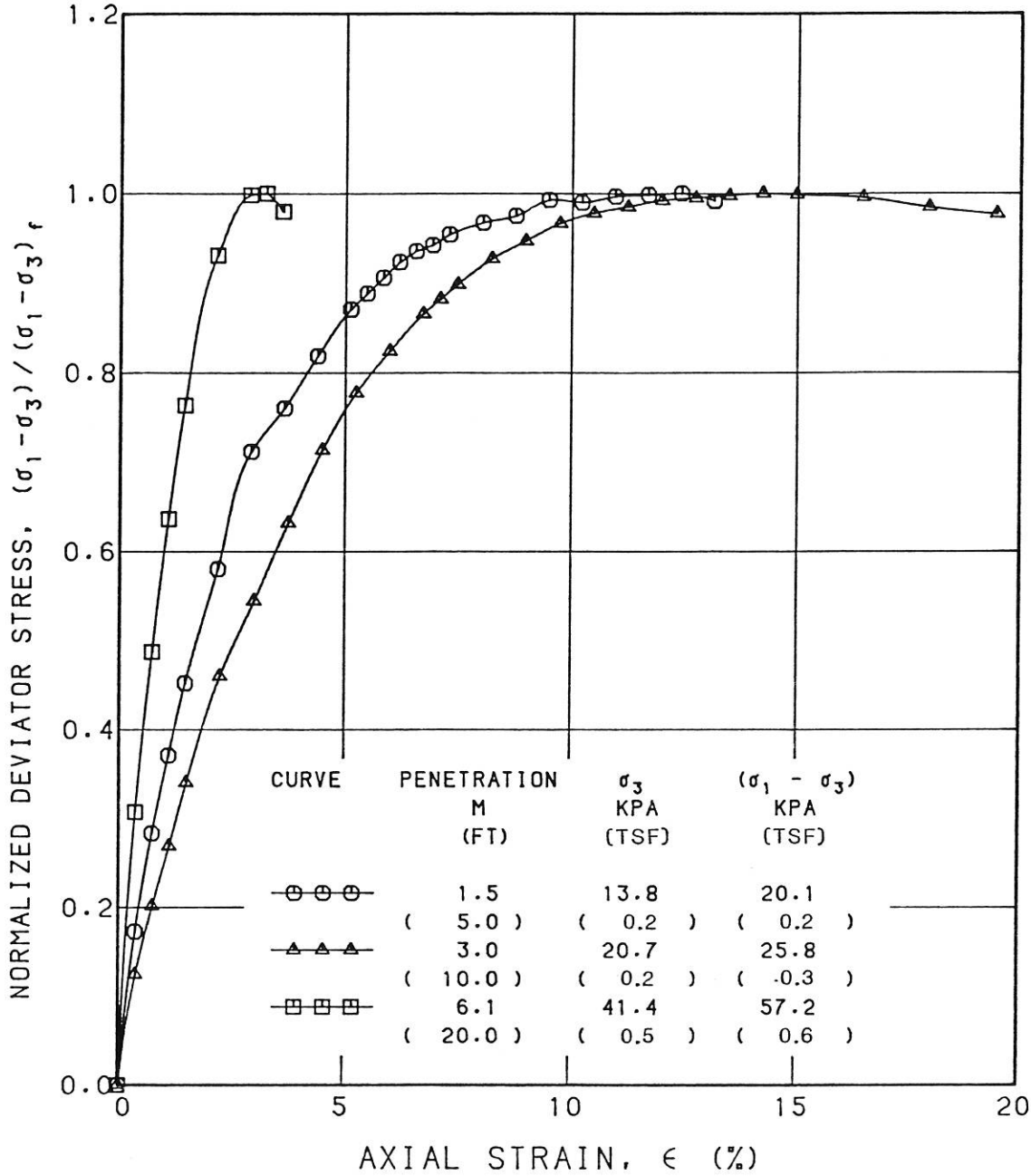
BORING 37



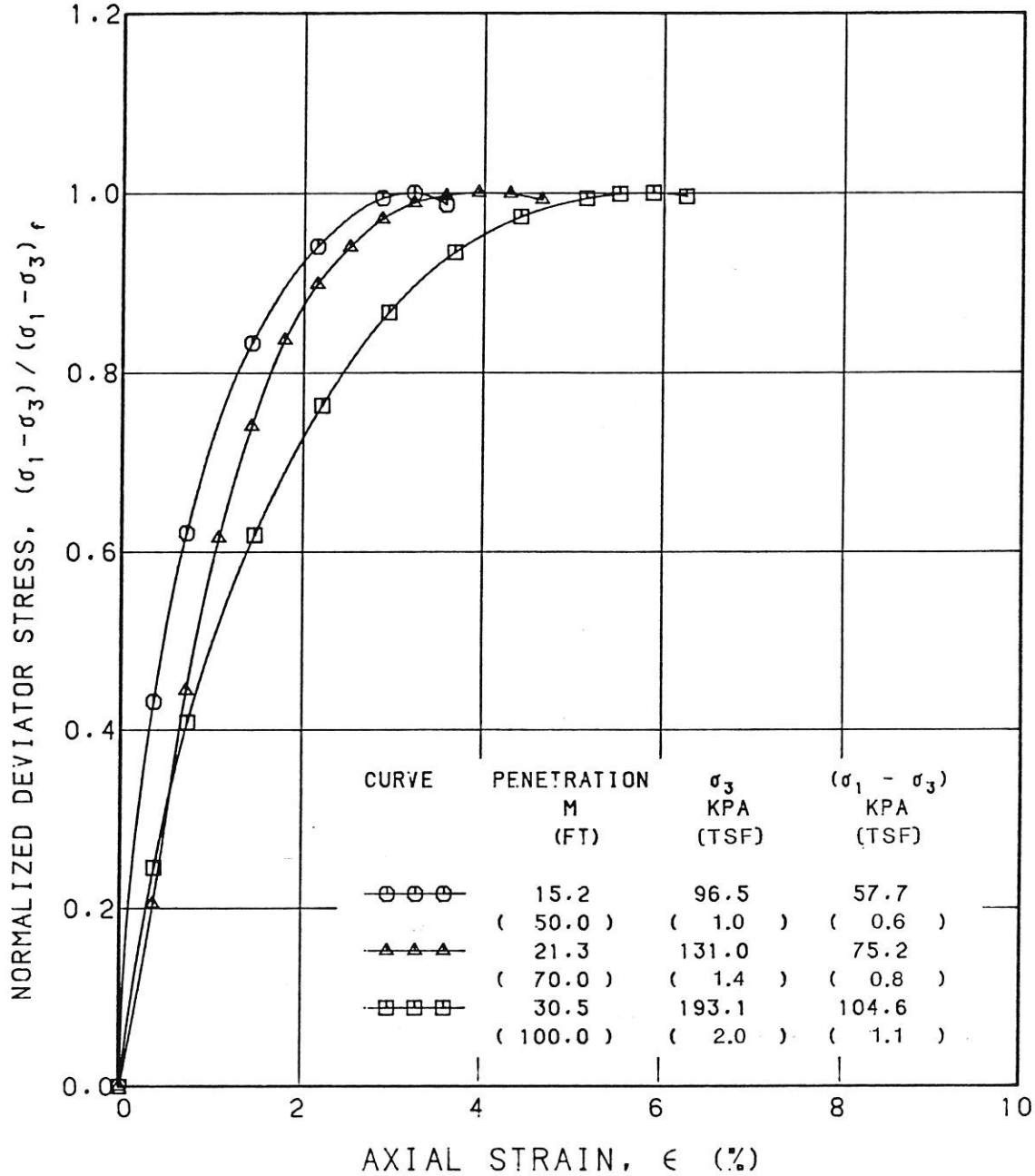
STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

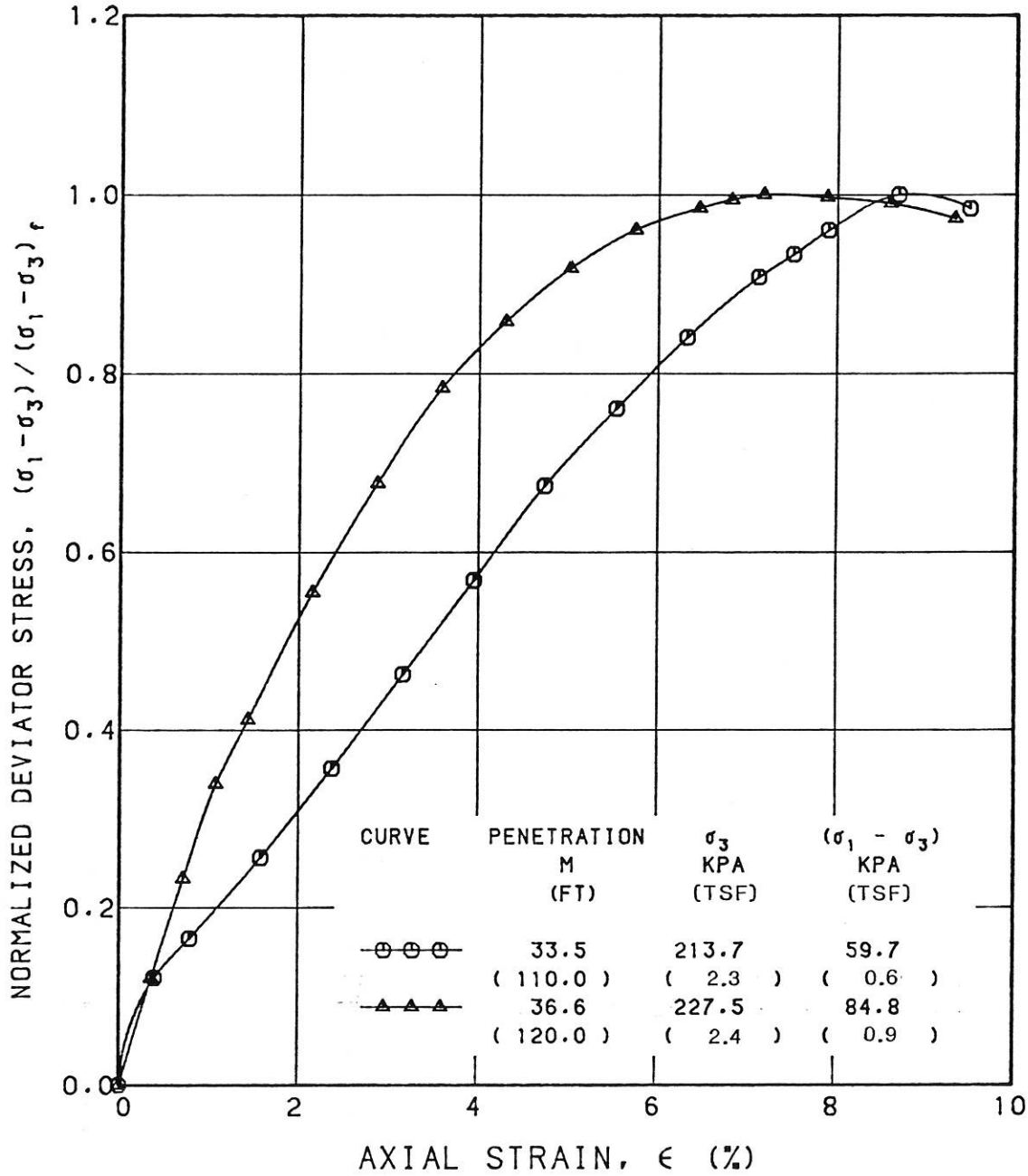
BORING 37



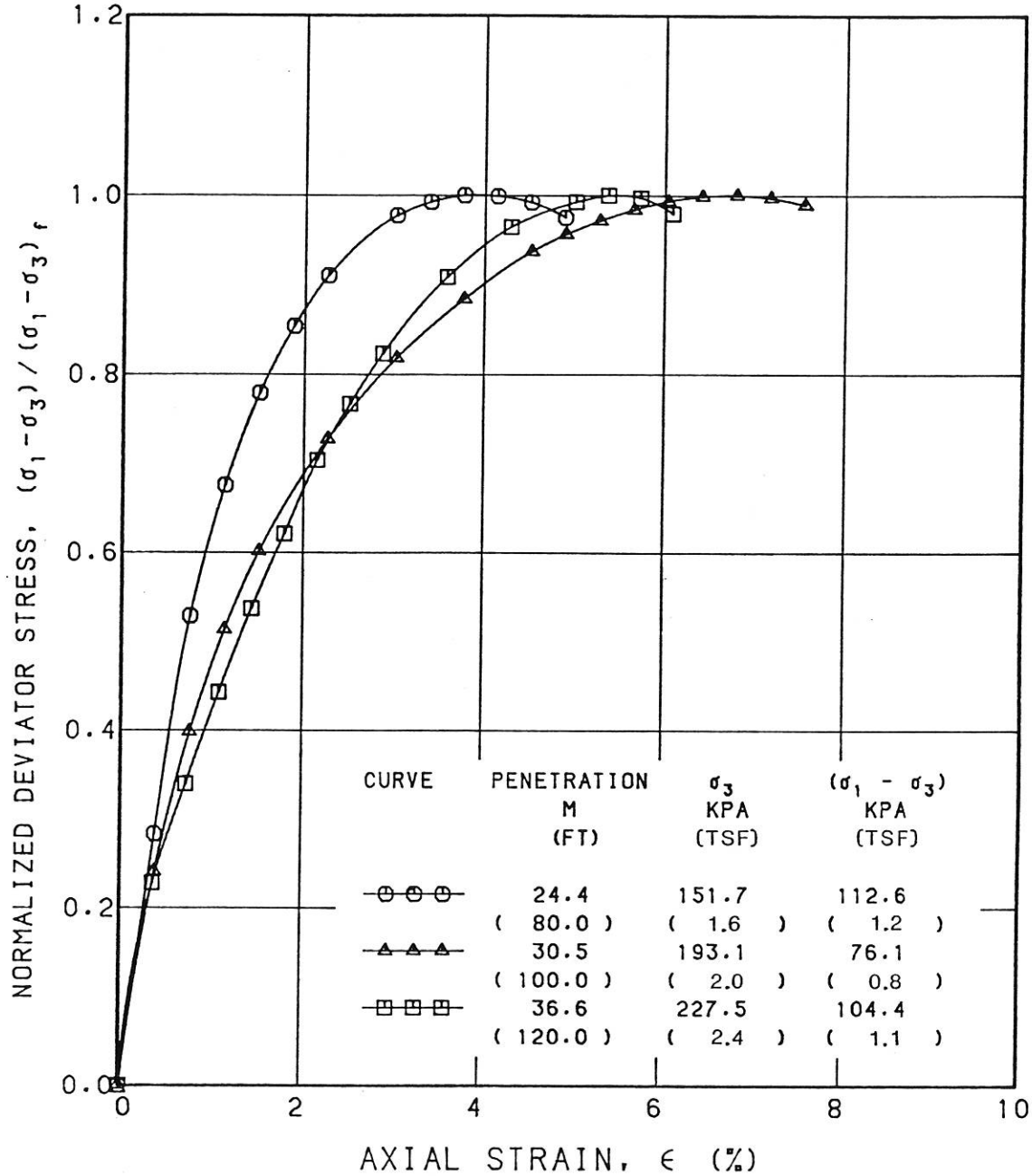
STRESS-STRAIN CURVES
UNCONSOLIDATED UNDRAINED TRIAXIAL TEST
BORING 38



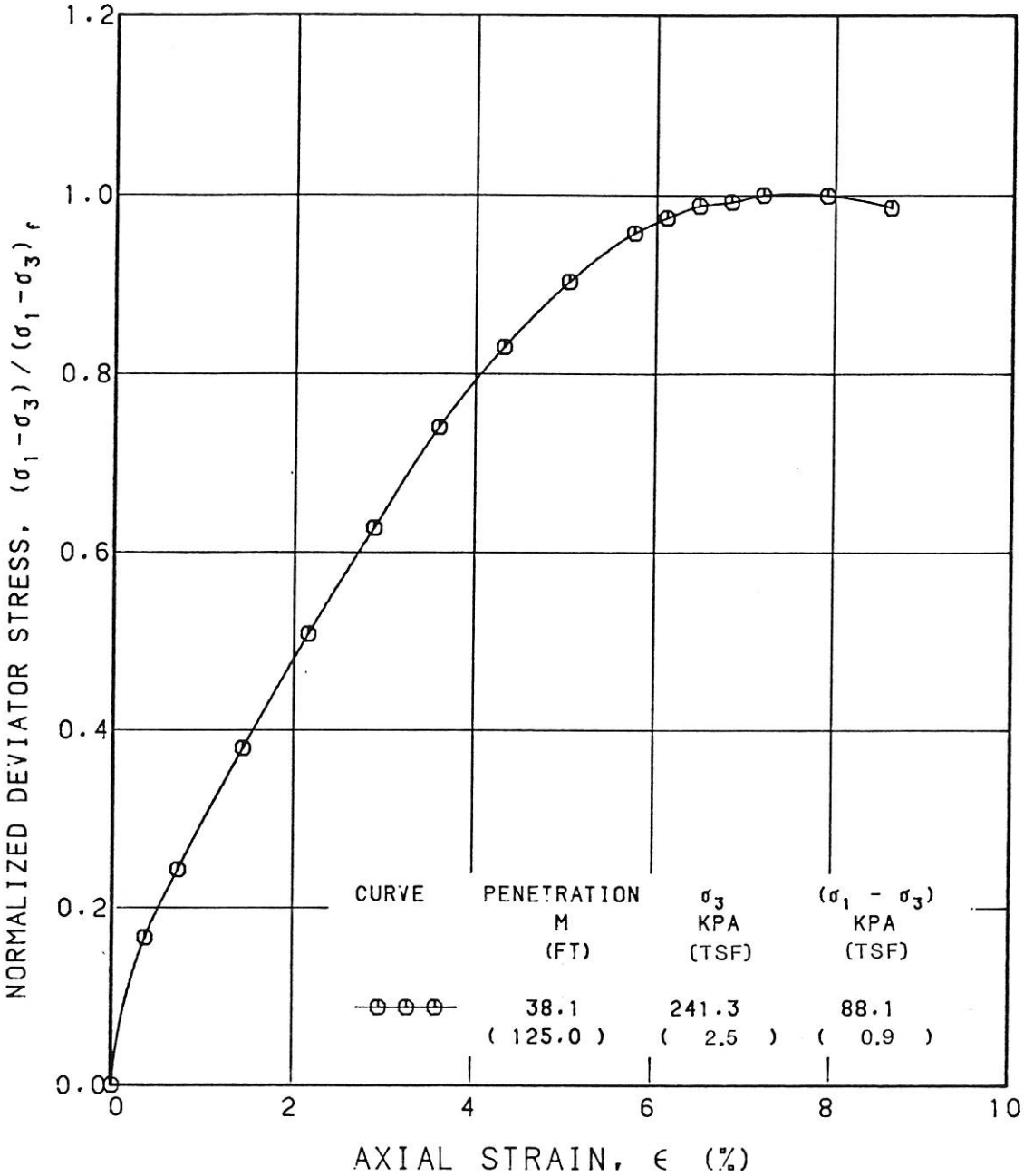
STRESS-STRAIN CURVES
UNCONSOLIDATED UNDRAINED TRIAXIAL TEST
BORING 38



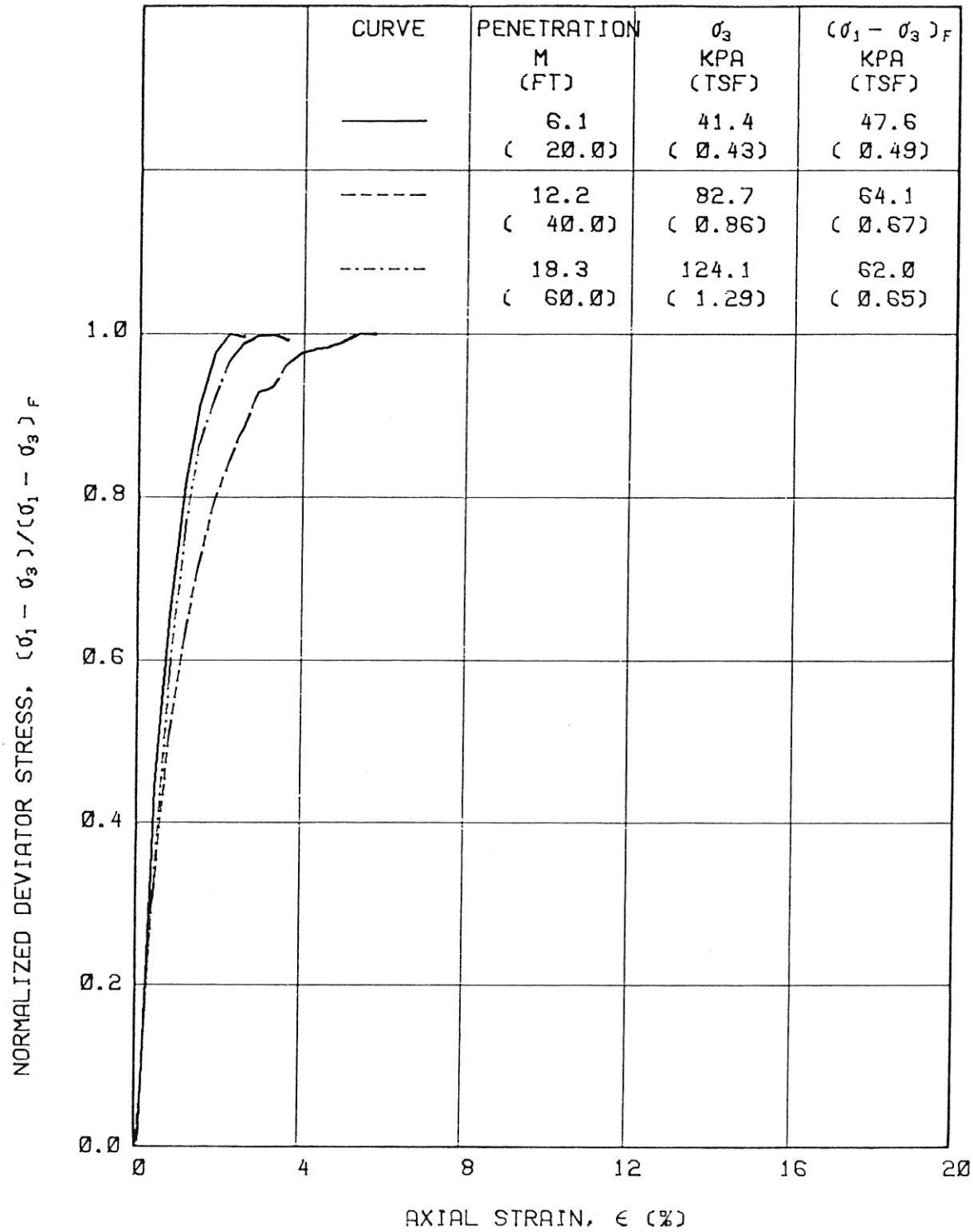
STRESS-STRAIN CURVES
UNCONSOLIDATED UNDRAINED TRIAXIAL TEST
BORING 38



STRESS-STRAIN CURVES
UNCONSOLIDATED UNDRAINED TRIAXIAL TEST
BORING 39



STRESS-STRAIN CURVES
UNCONSOLIDATED UNDRAINED TRIAXIAL TEST
BORING 39

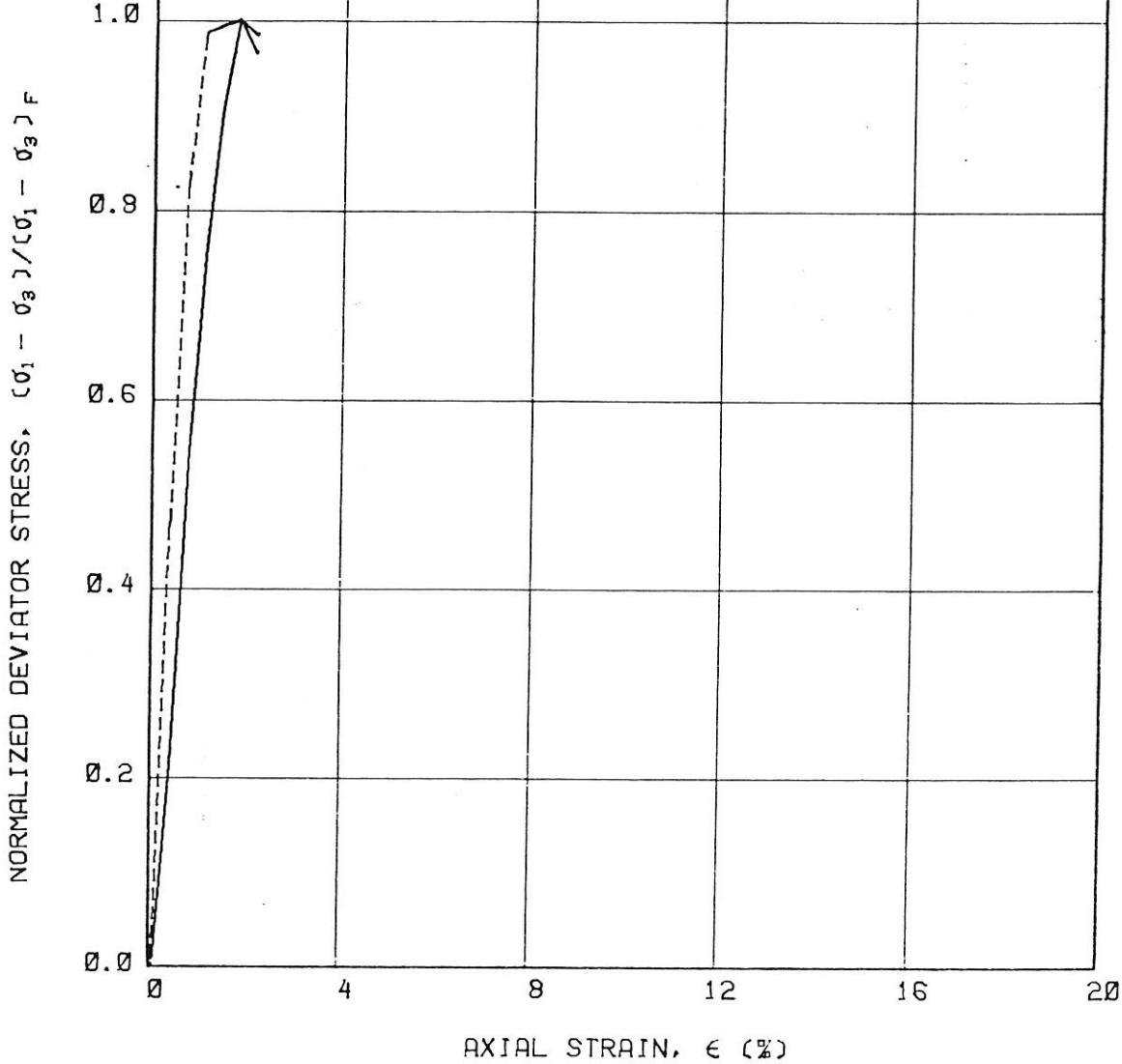


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 40

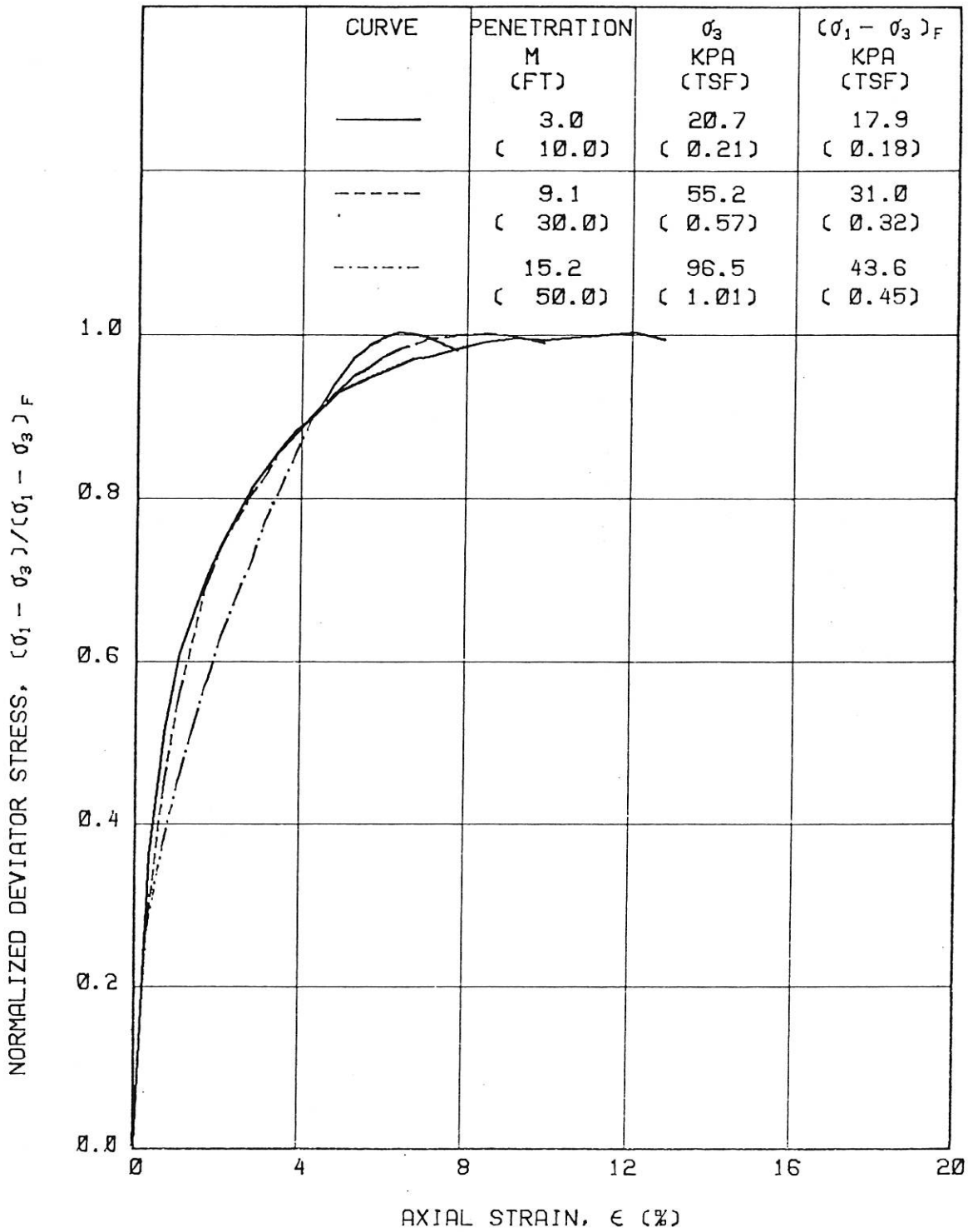
CURVE	PENETRATION M (FT)	σ_3 KPA (TSF)	$(\sigma_1 - \sigma_3)_F$ KPA (TSF)
———	24.4 (80.0)	165.5 (1.73)	112.6 (1.17)
- - - - -	33.5 (110.0)	206.9 (2.16)	41.8 (0.43)



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

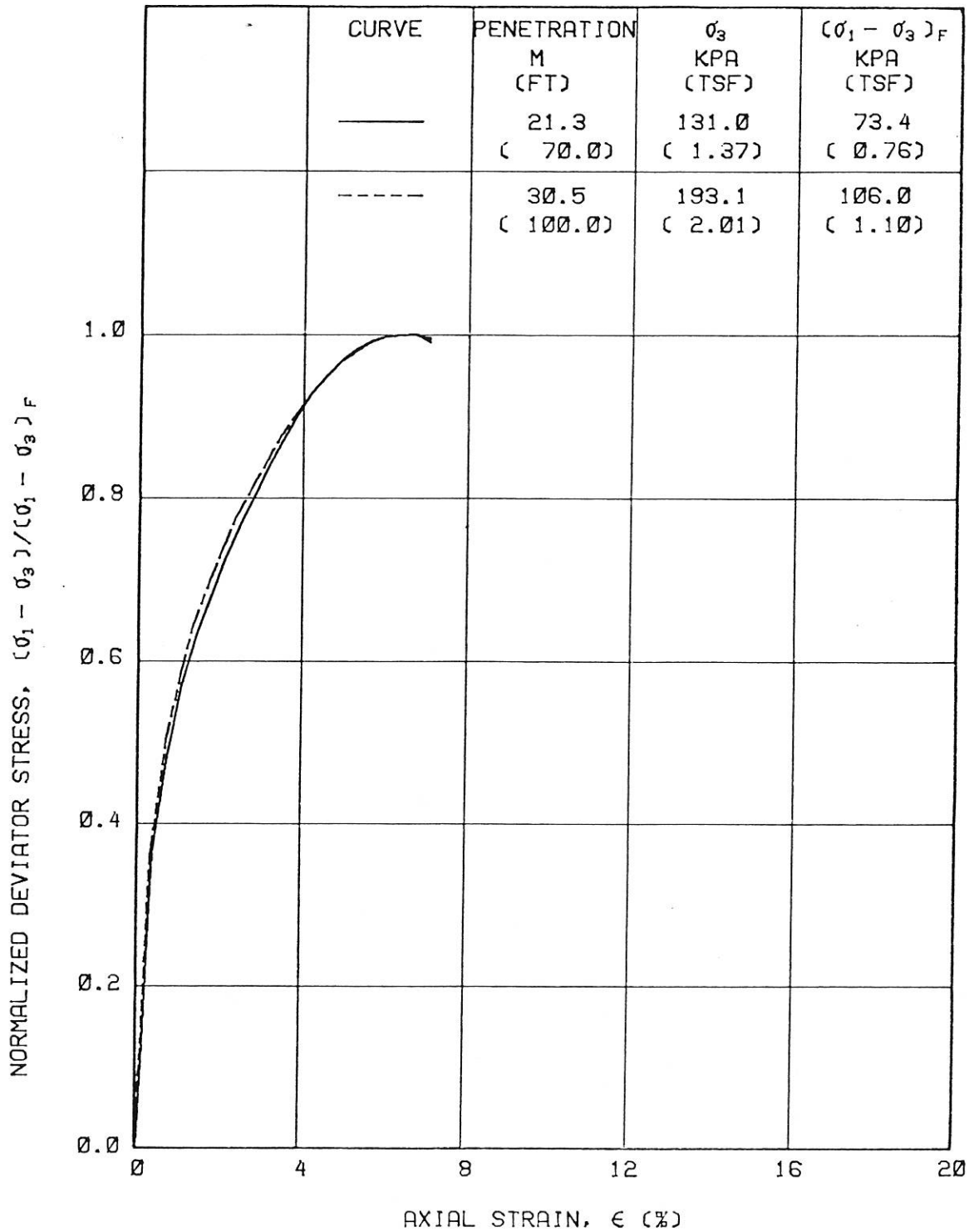
BORING 40



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 41

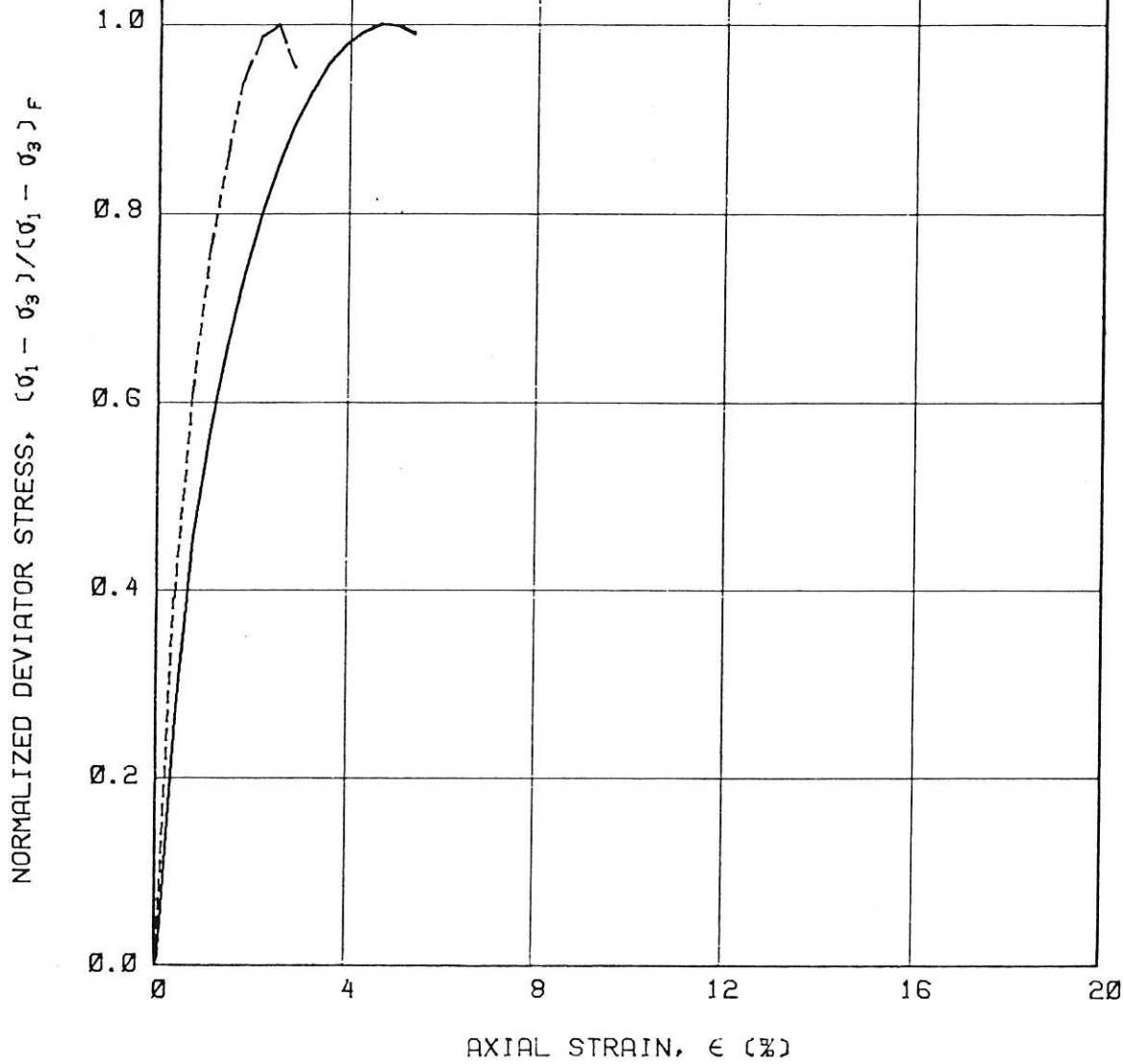


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 41

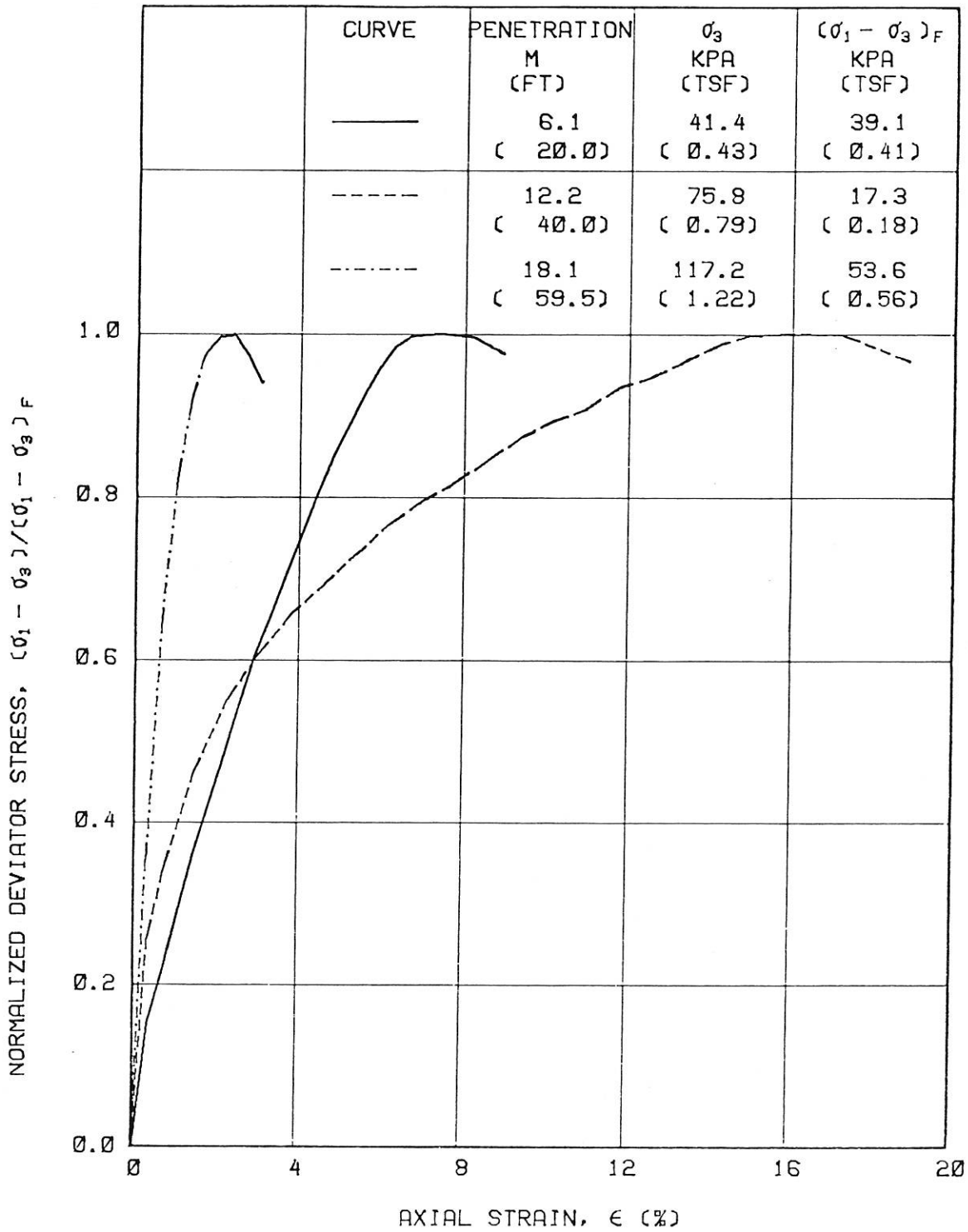
CURVE	PENETRATION M (FT)	σ_3 KPA (TSF)	$(\sigma_1 - \sigma_3)_F$ KPA (TSF)
———	24.4 (80.0)	151.7 (1.58)	103.2 (1.07)
- - - - -	30.5 (100.0)	193.1 (2.01)	139.7 (1.46)



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

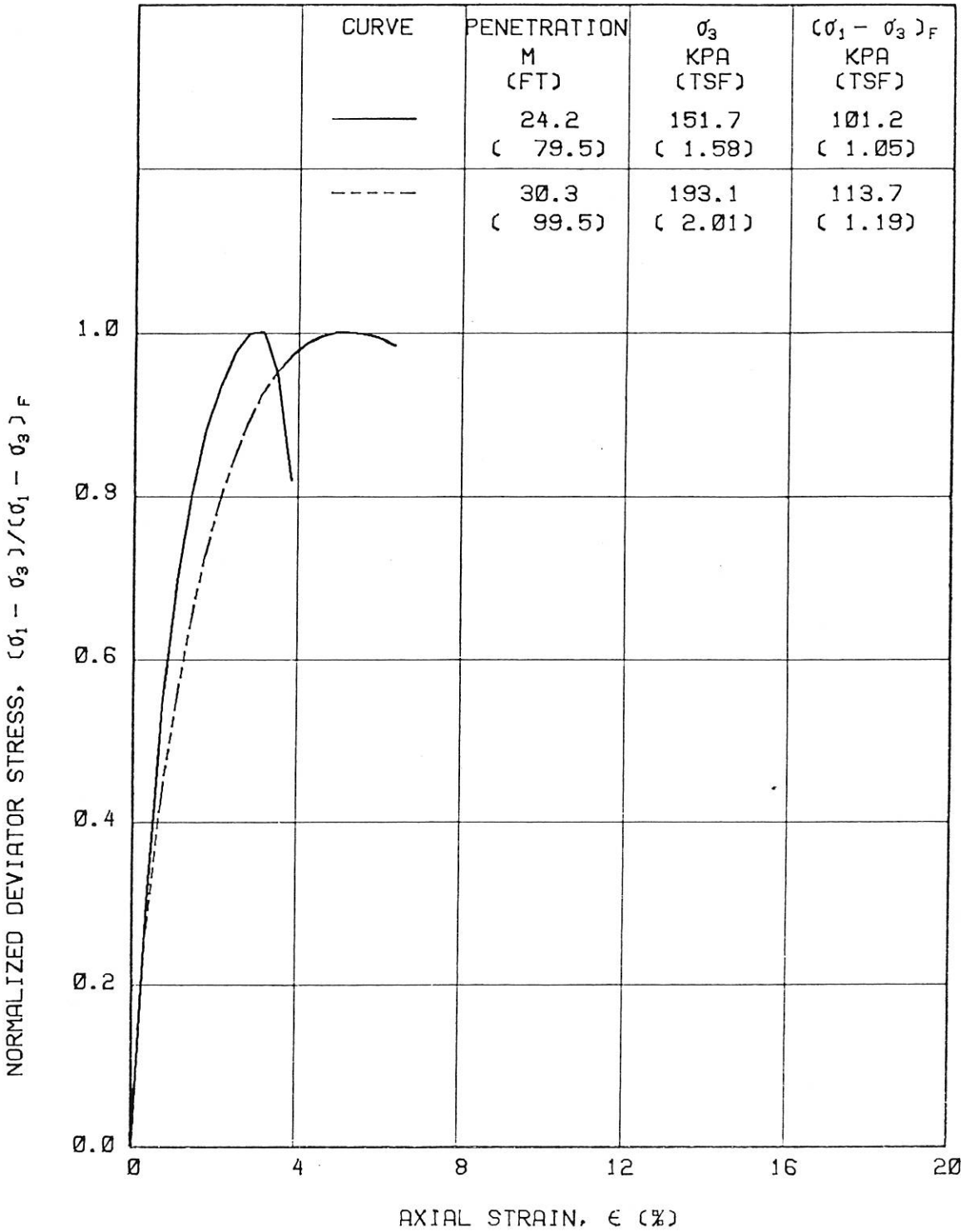
BORING 42



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 43



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 43

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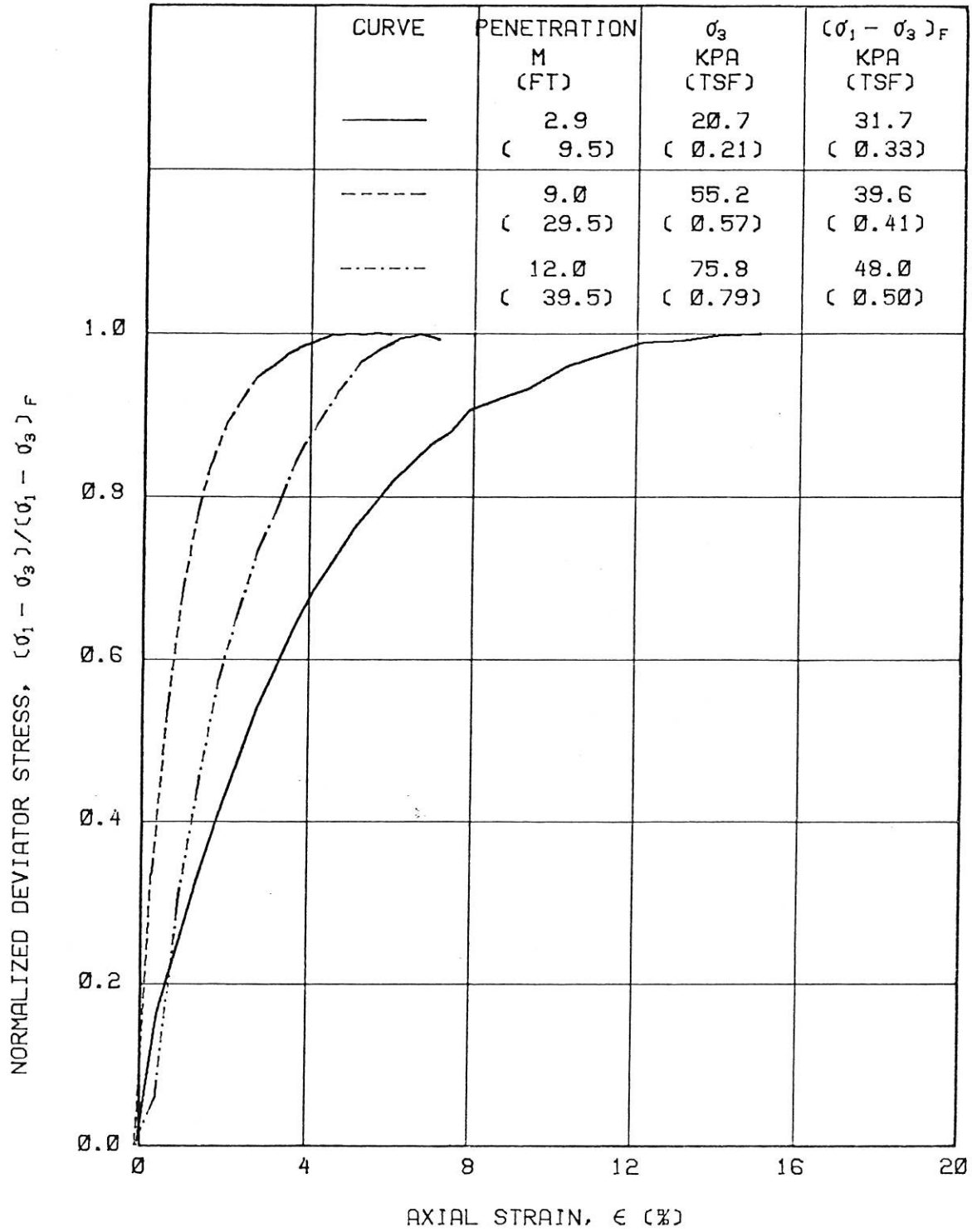
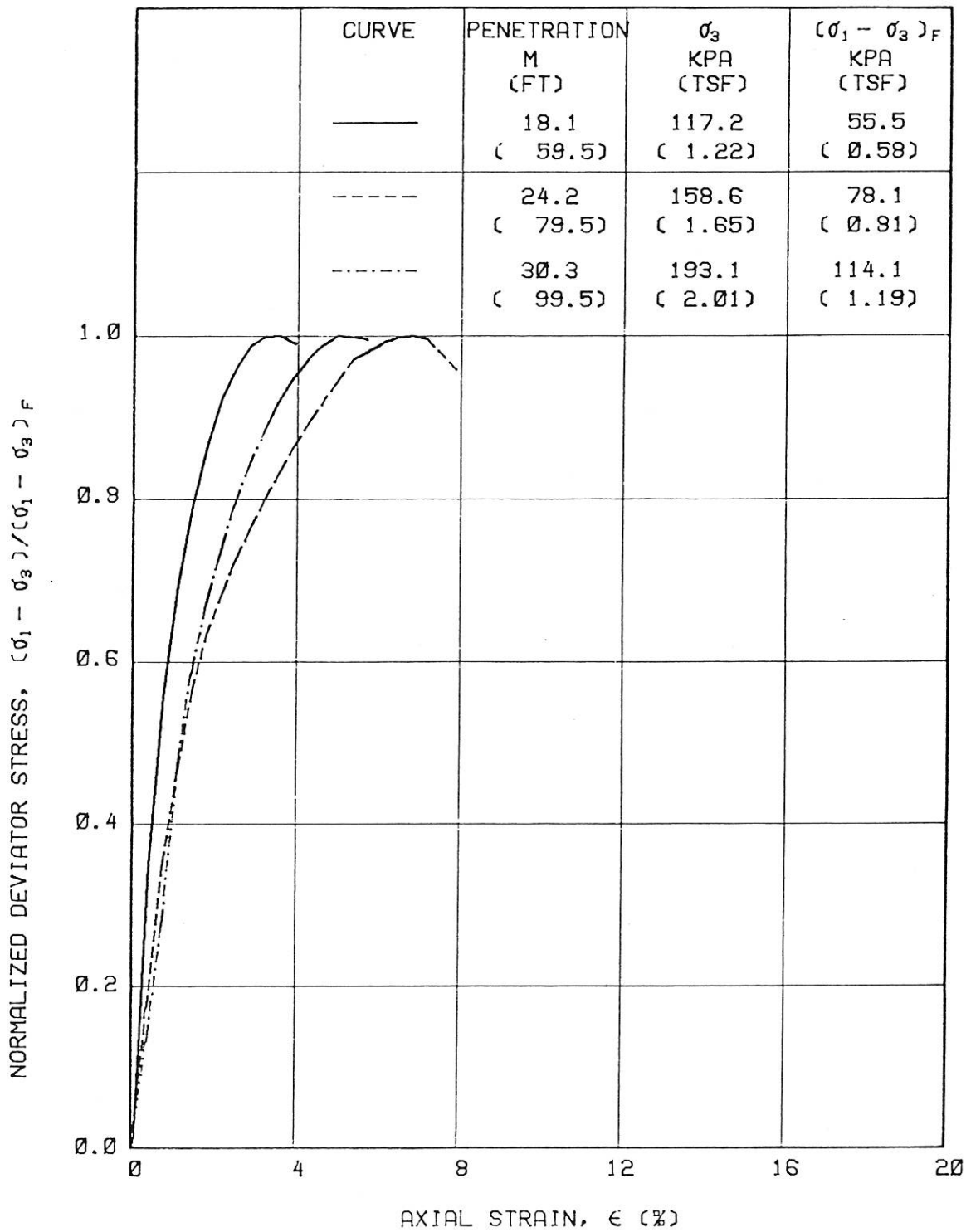


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

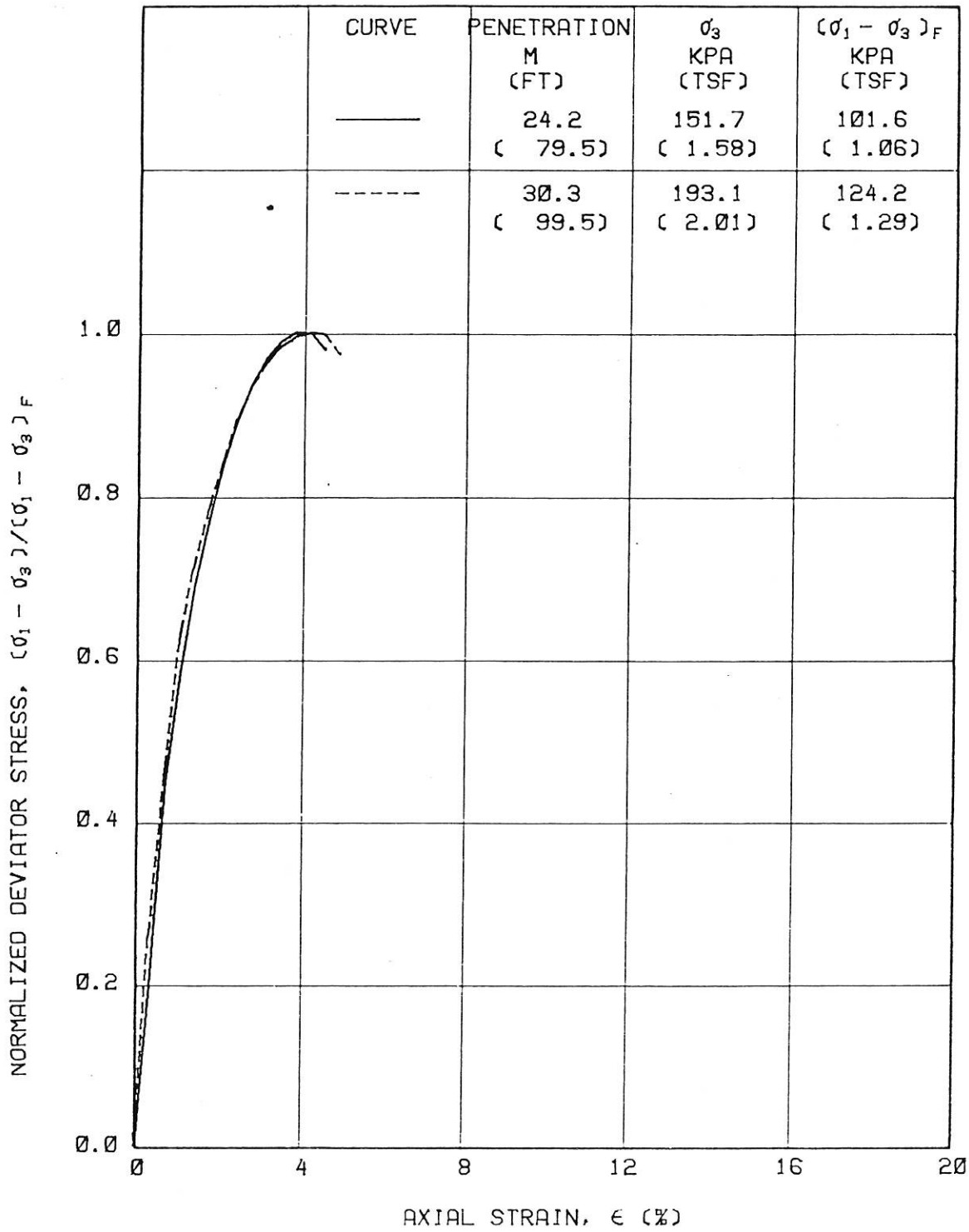
BORING 44



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

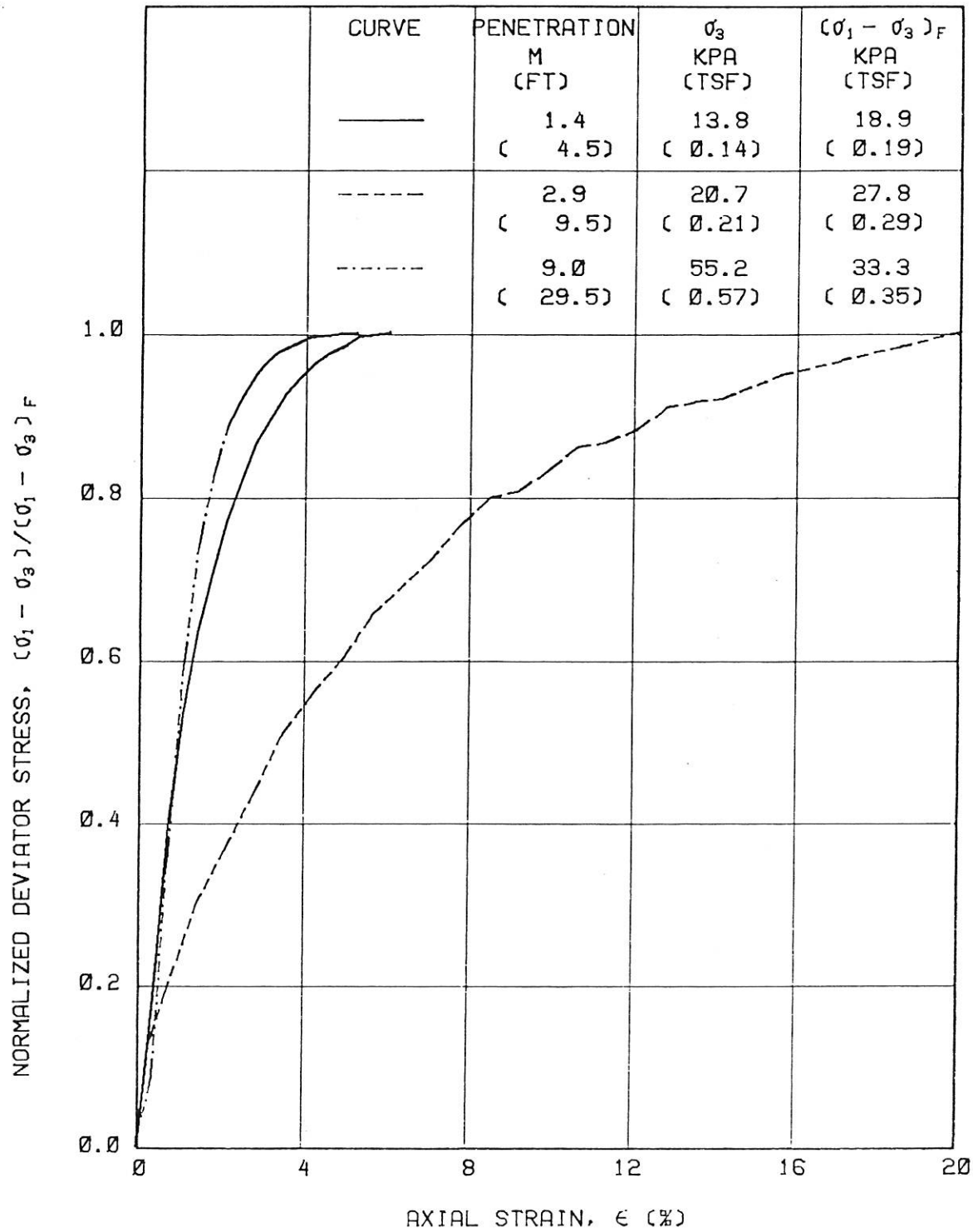
BORING 44



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

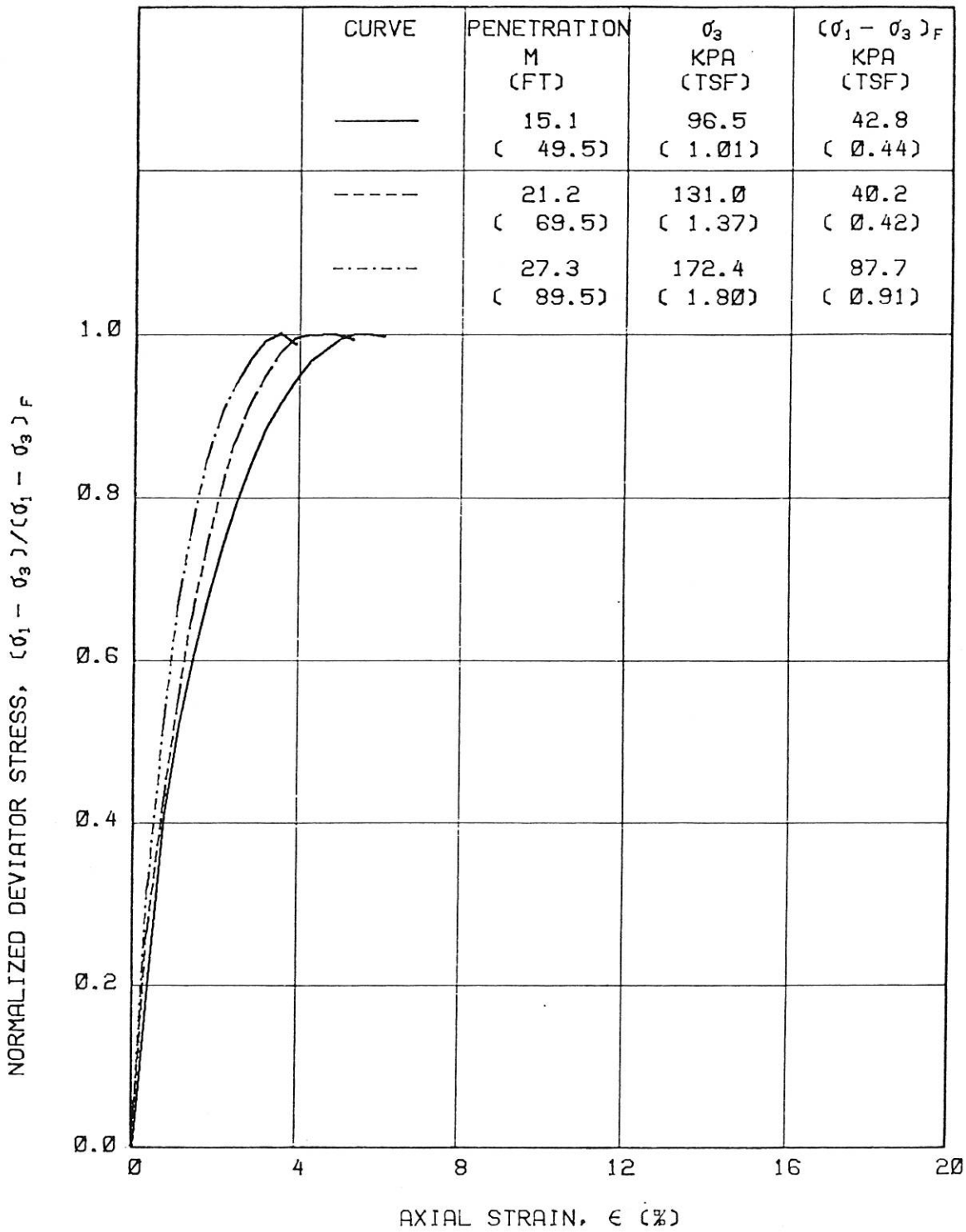
BORING 45



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

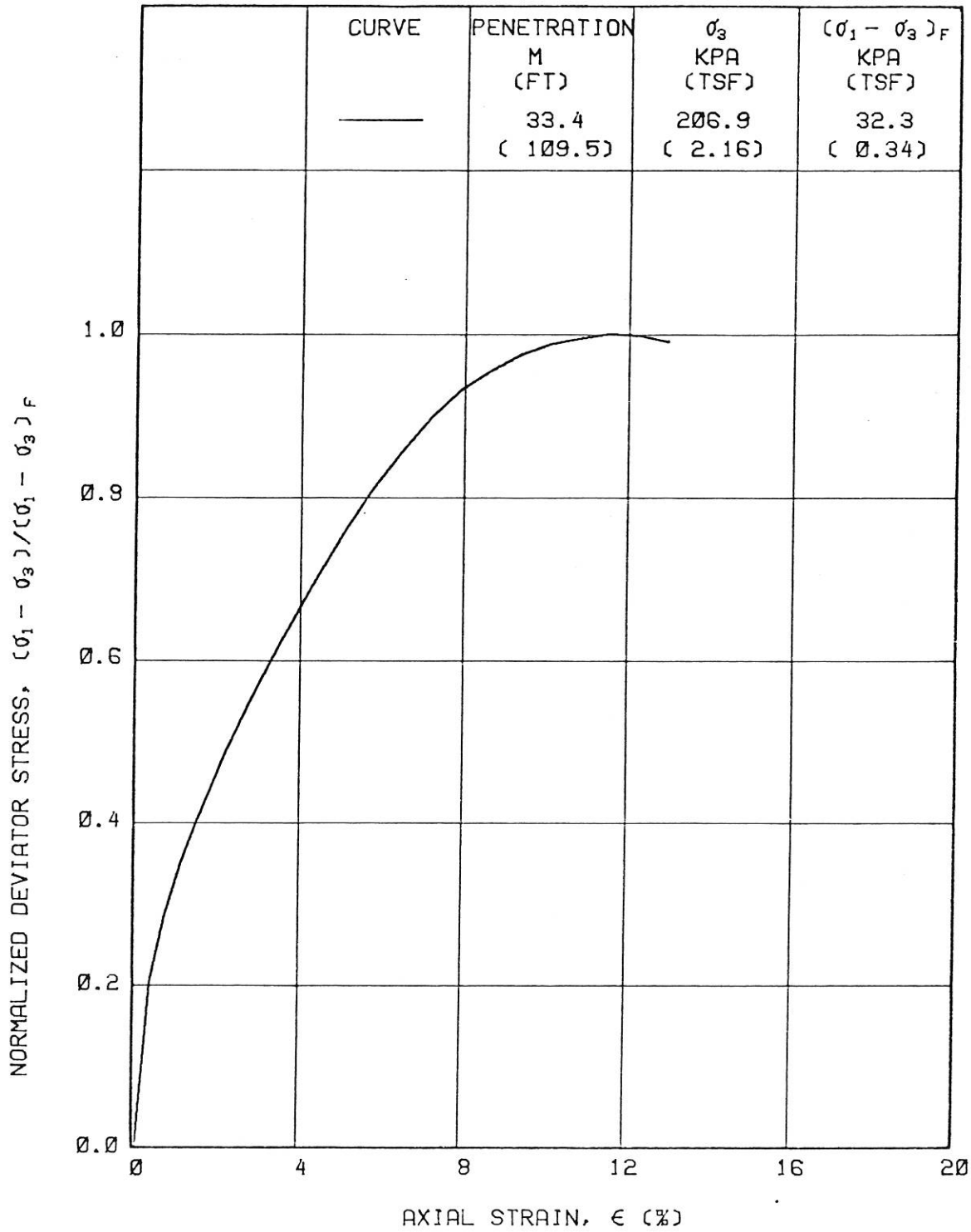
BORING 46



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

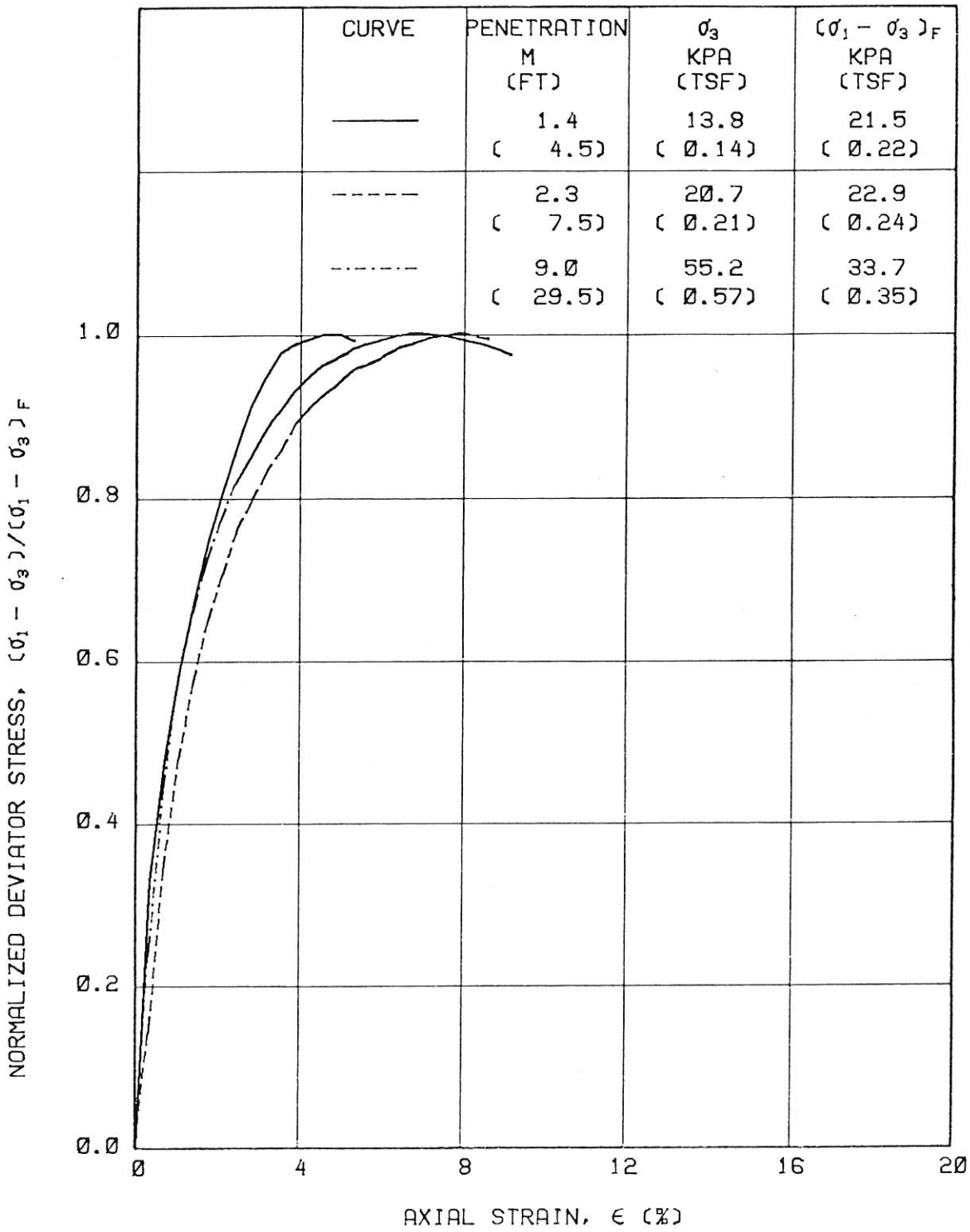
BORING 46



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 46

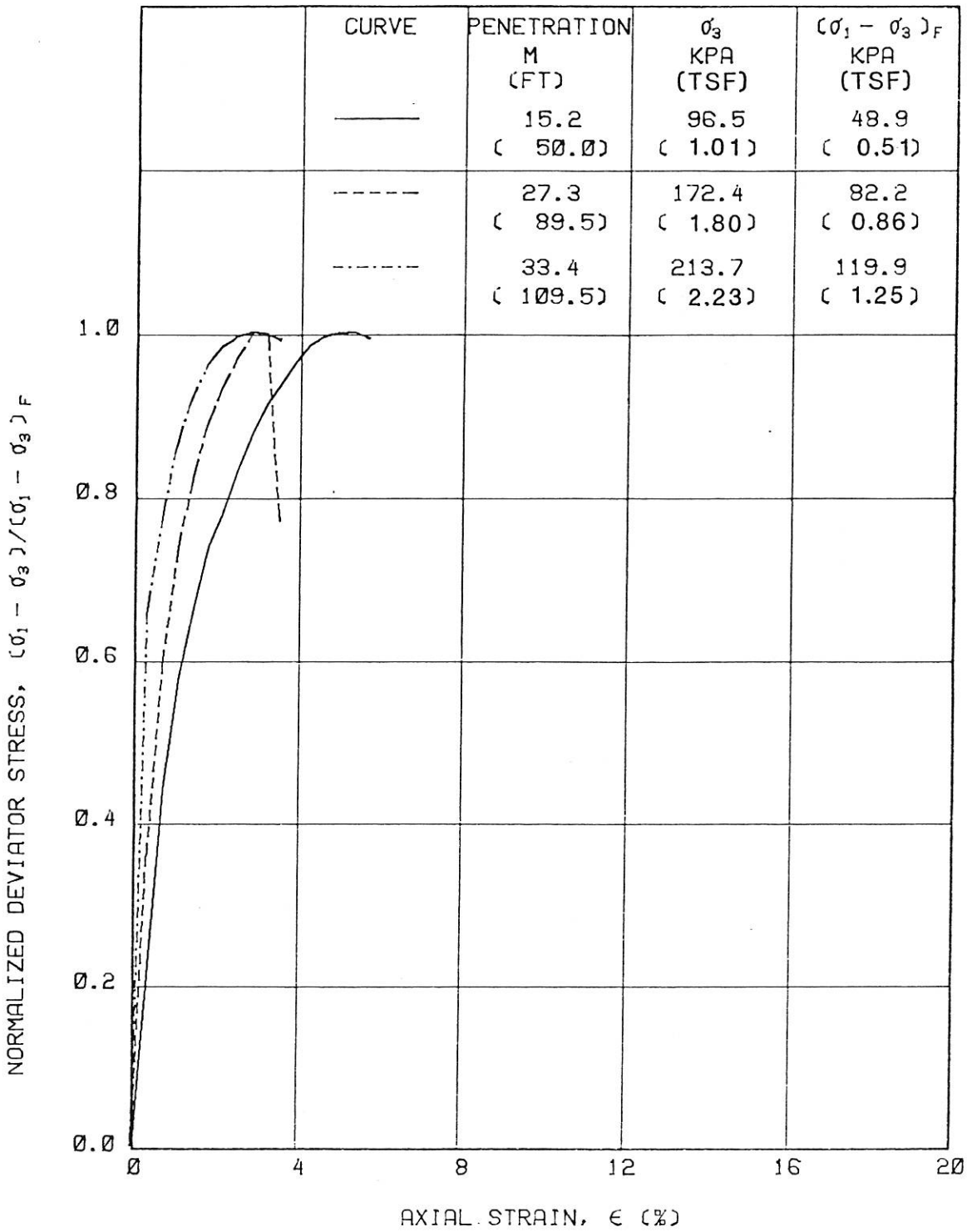


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 47

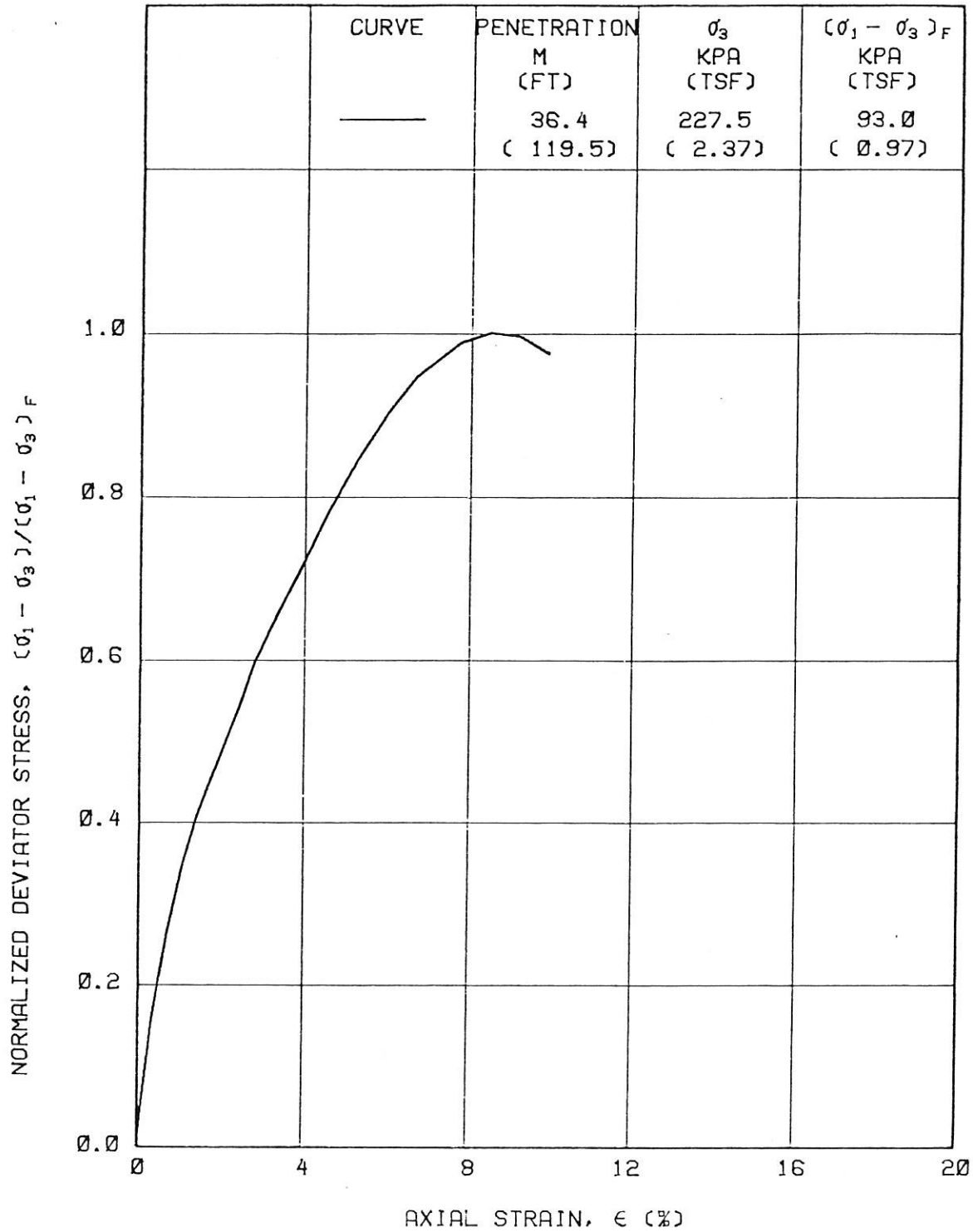
0P82Ø1.9Ø



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

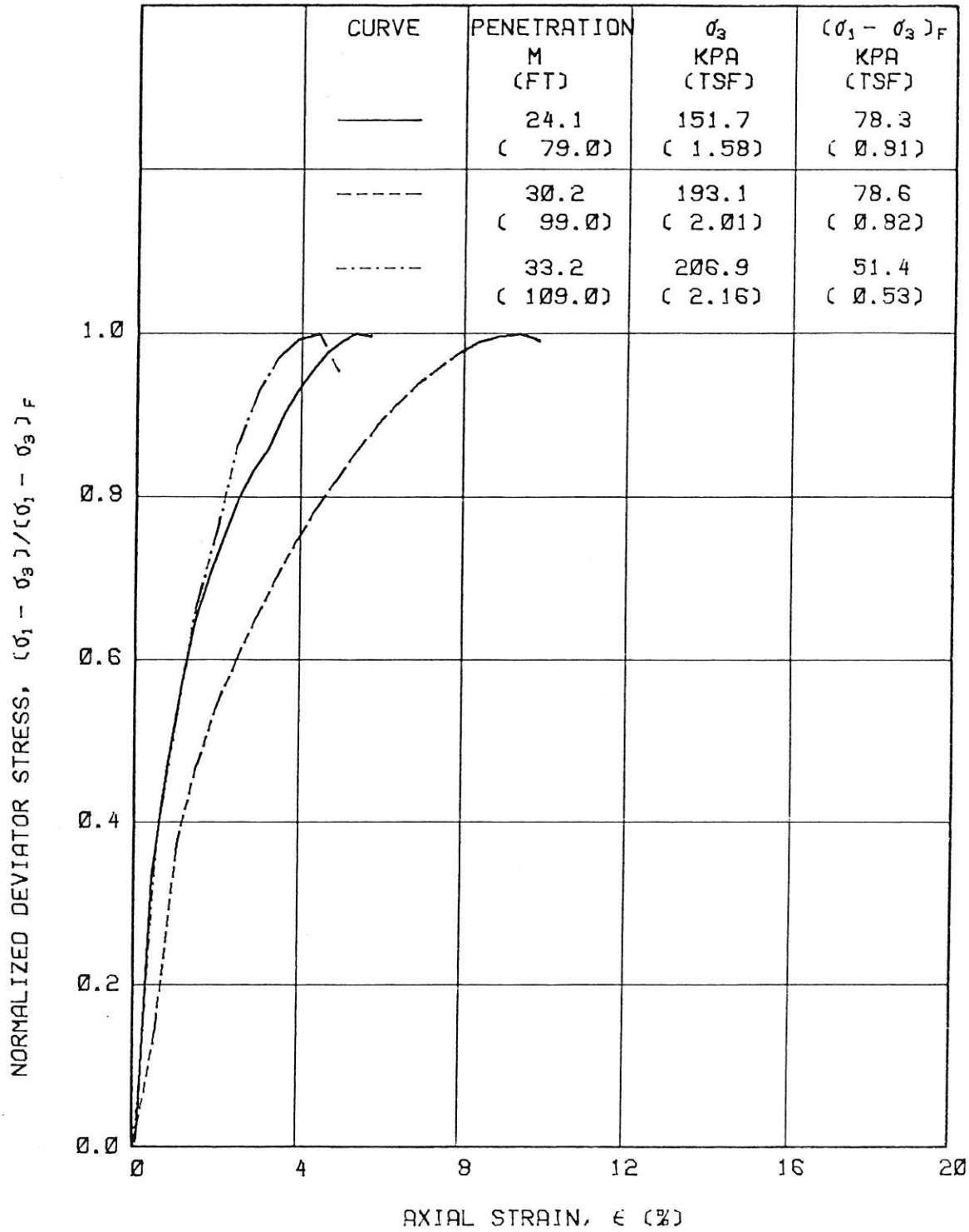
BORING 47



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 47

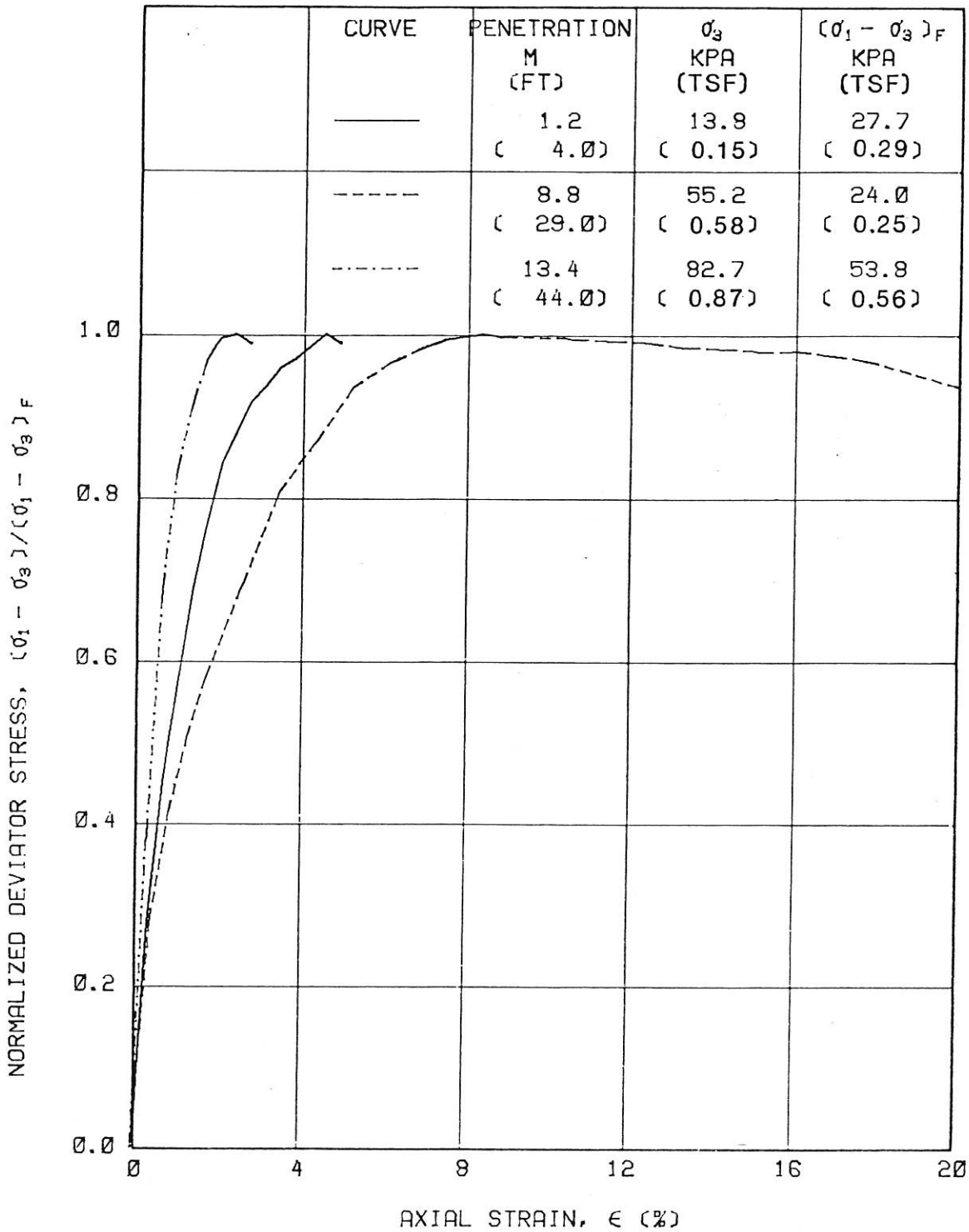


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 48

A28201.90

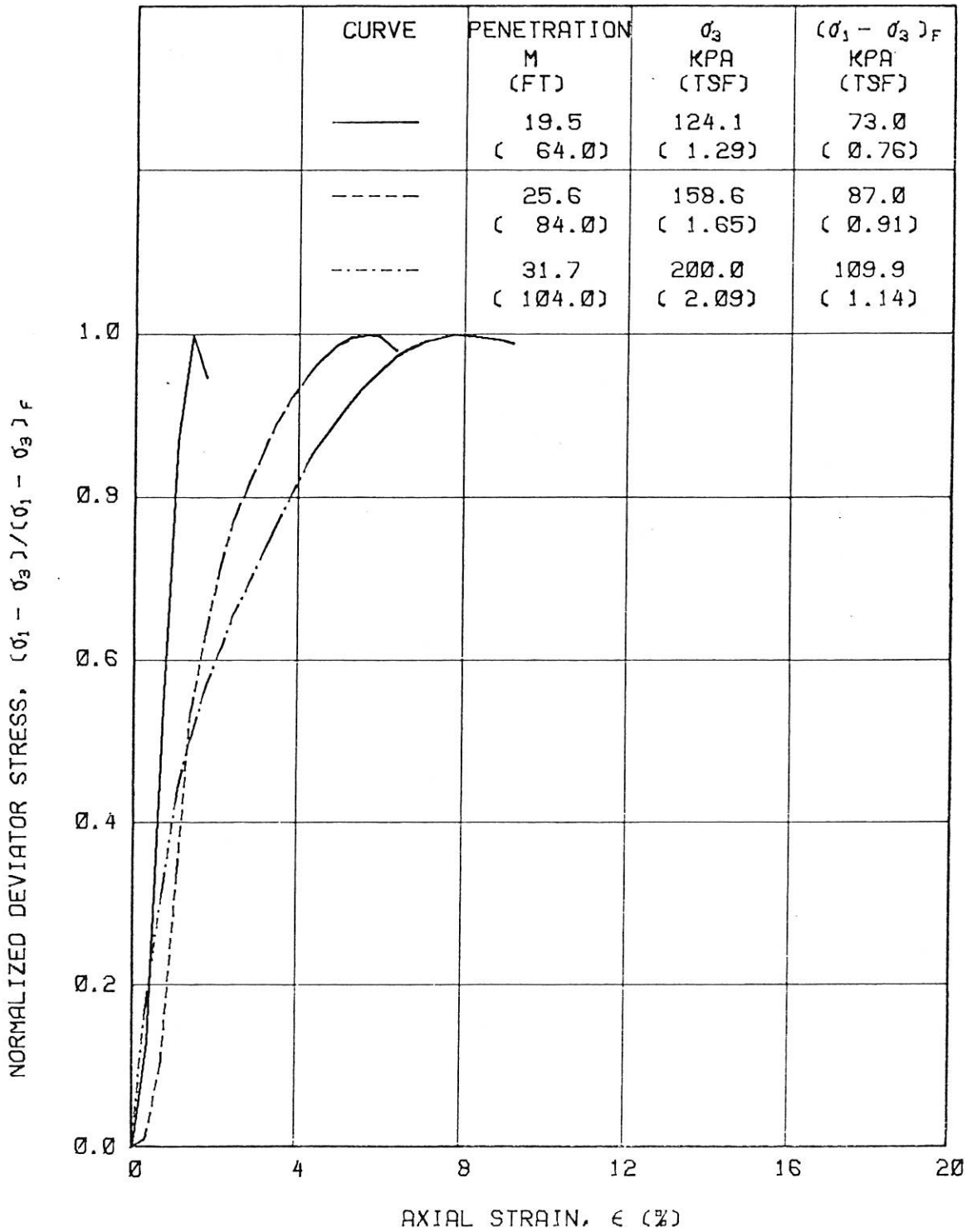


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 49

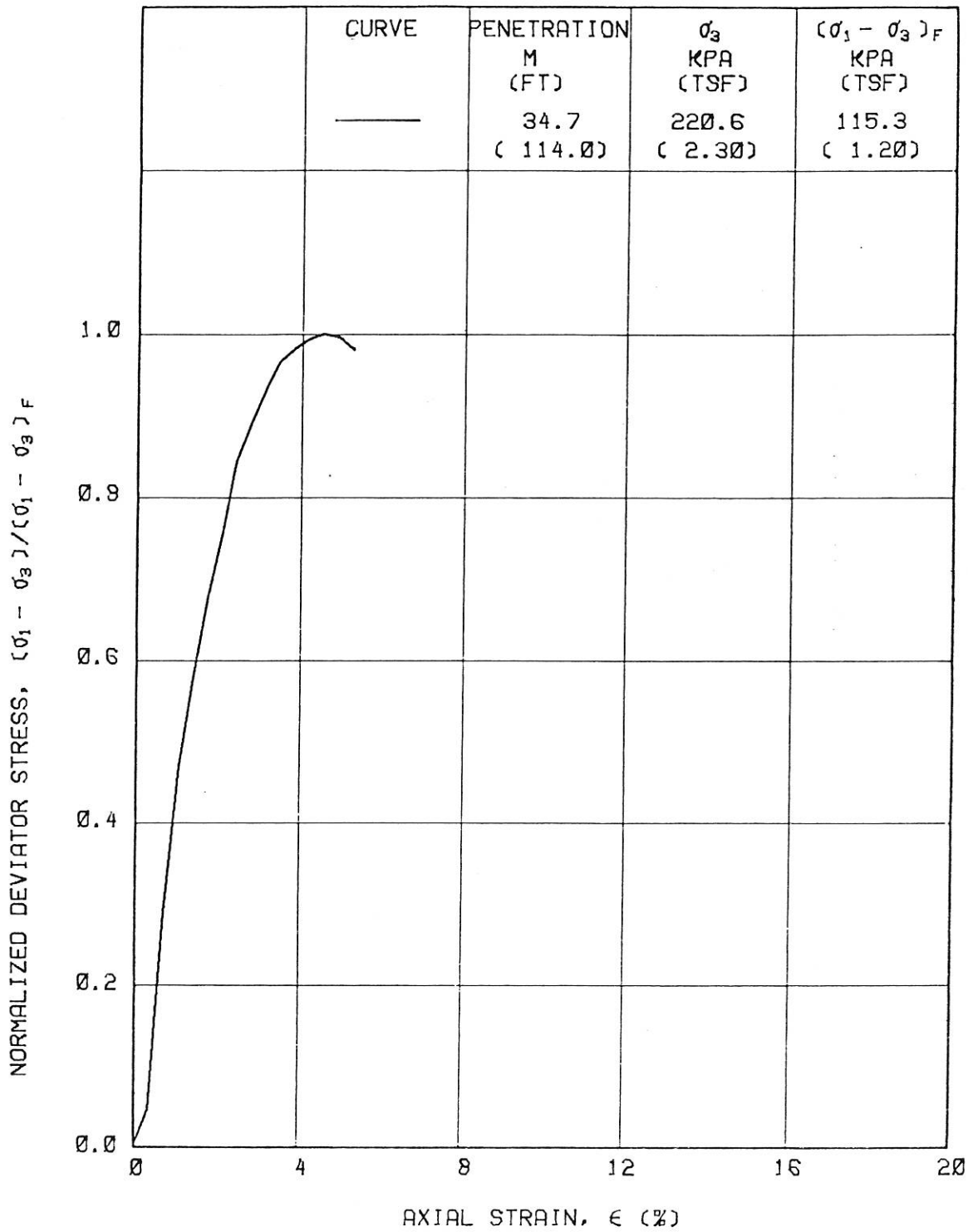
APR20 1990



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

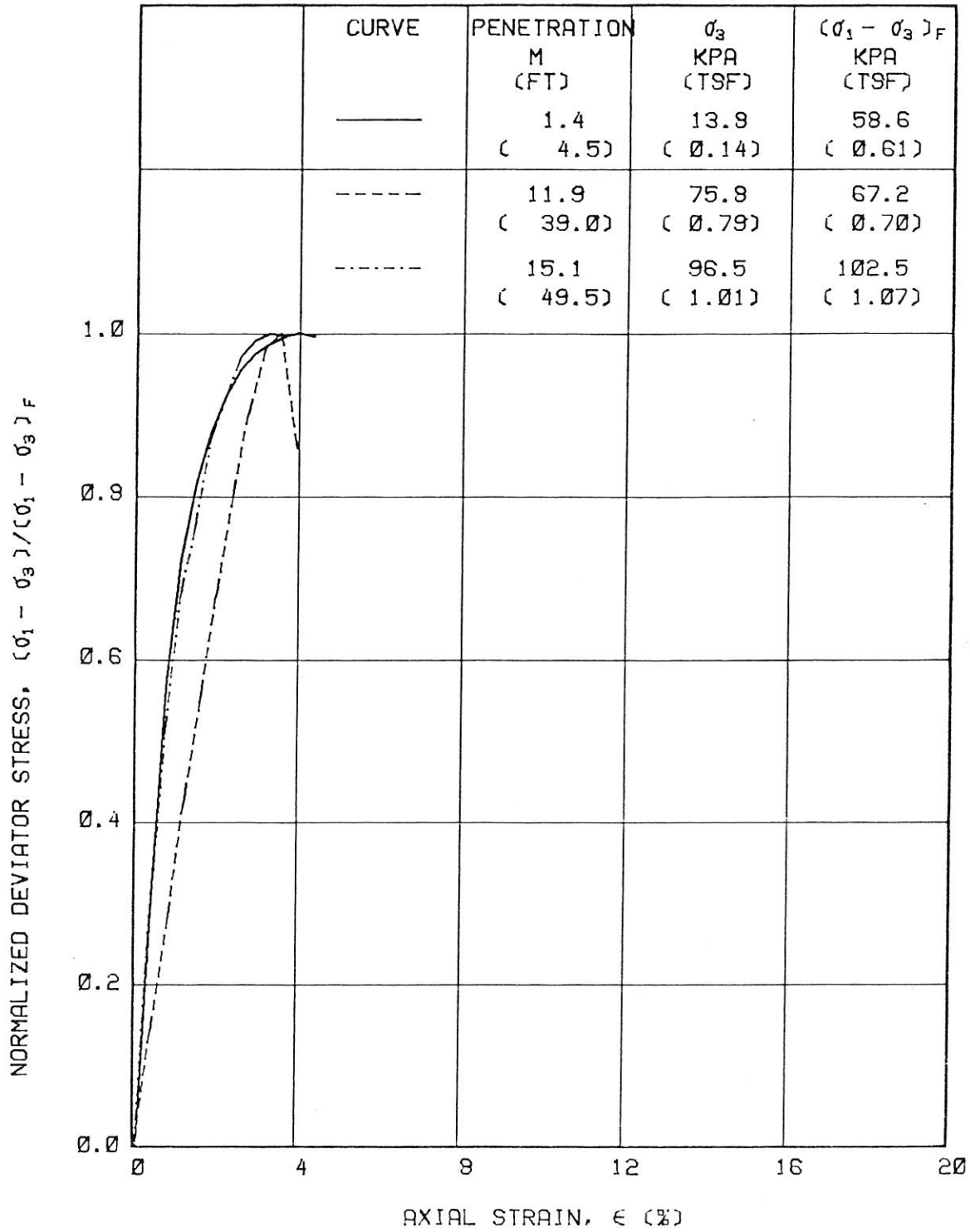
BORING 49



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

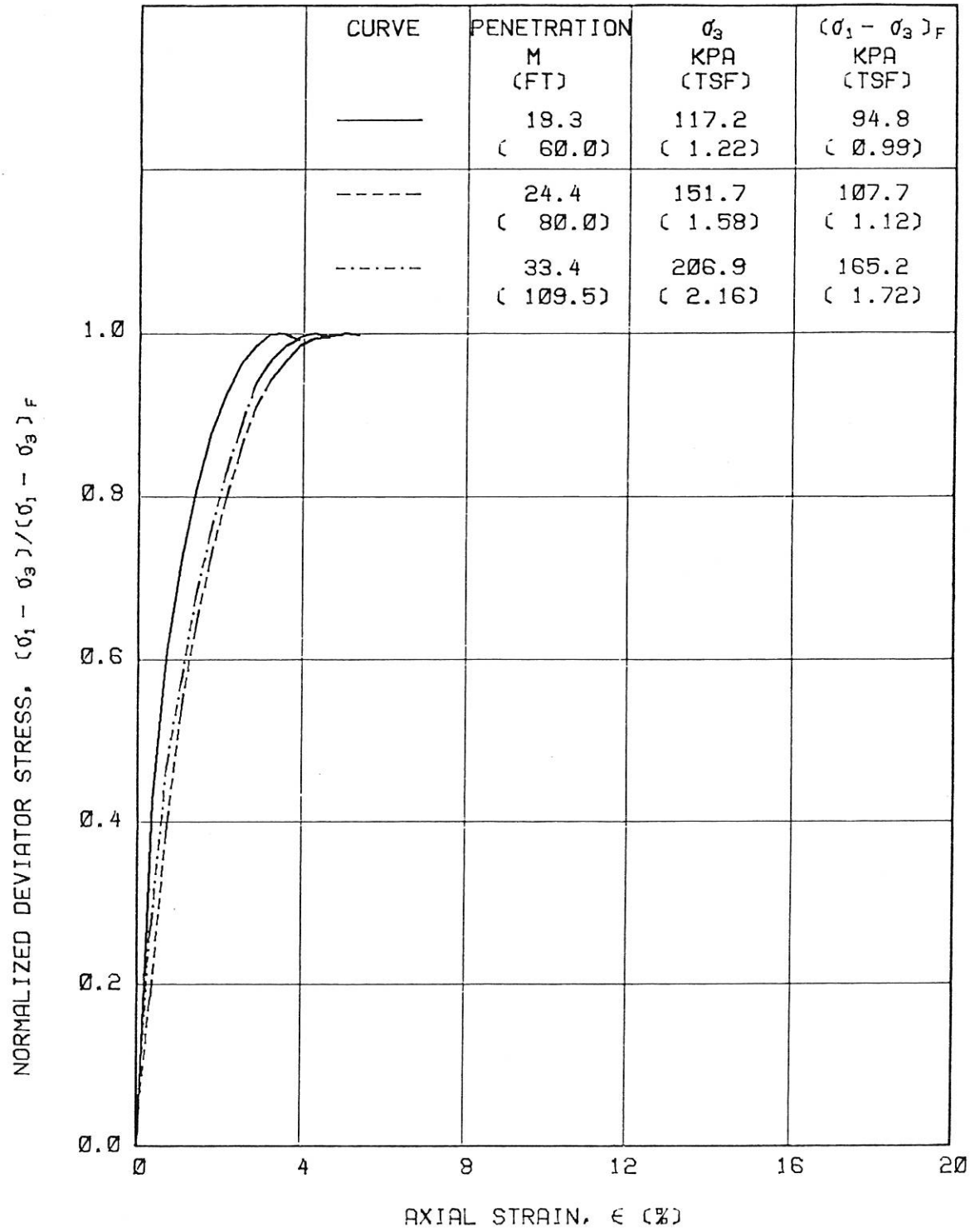
BORING 49



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

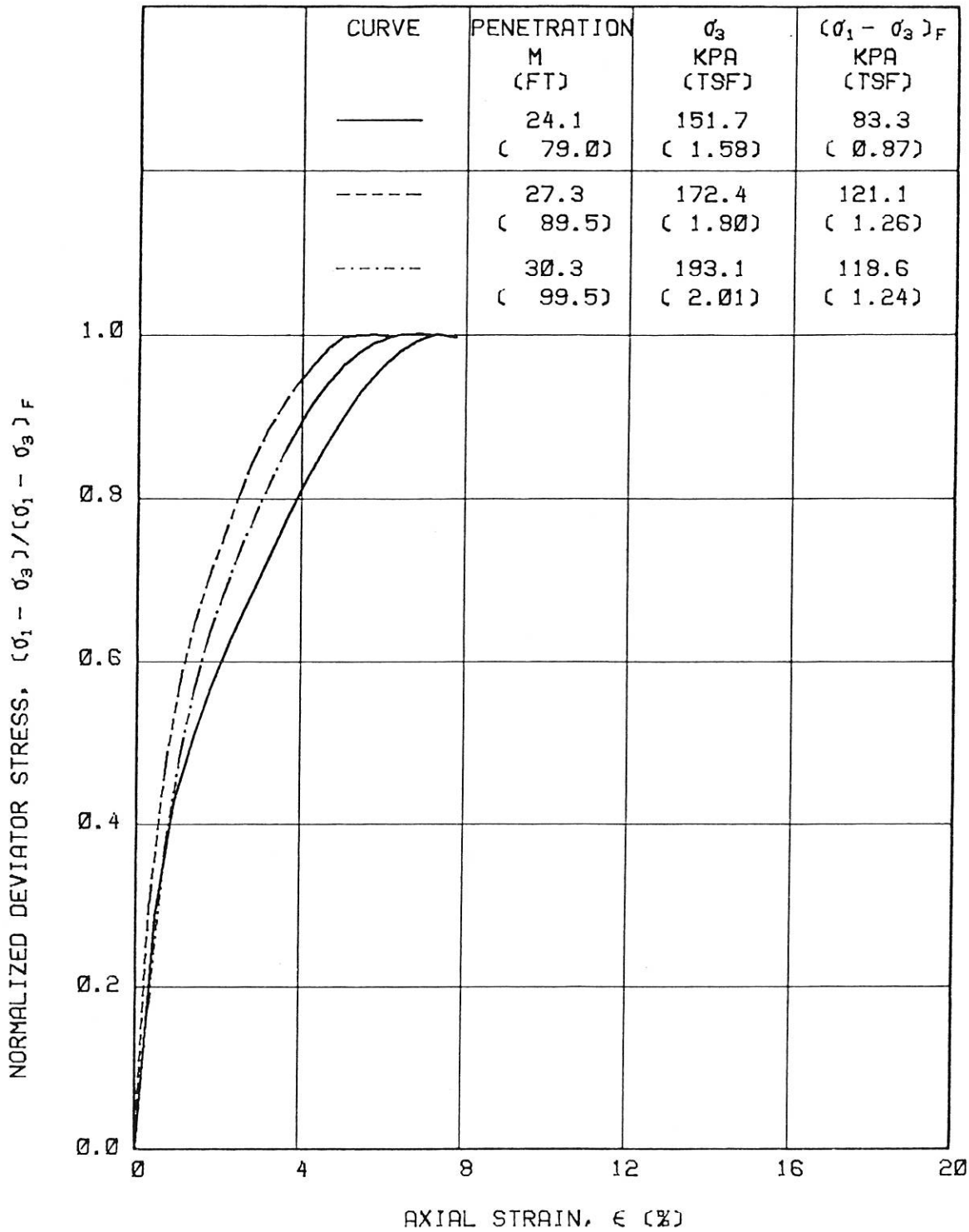
BORING 50



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 50

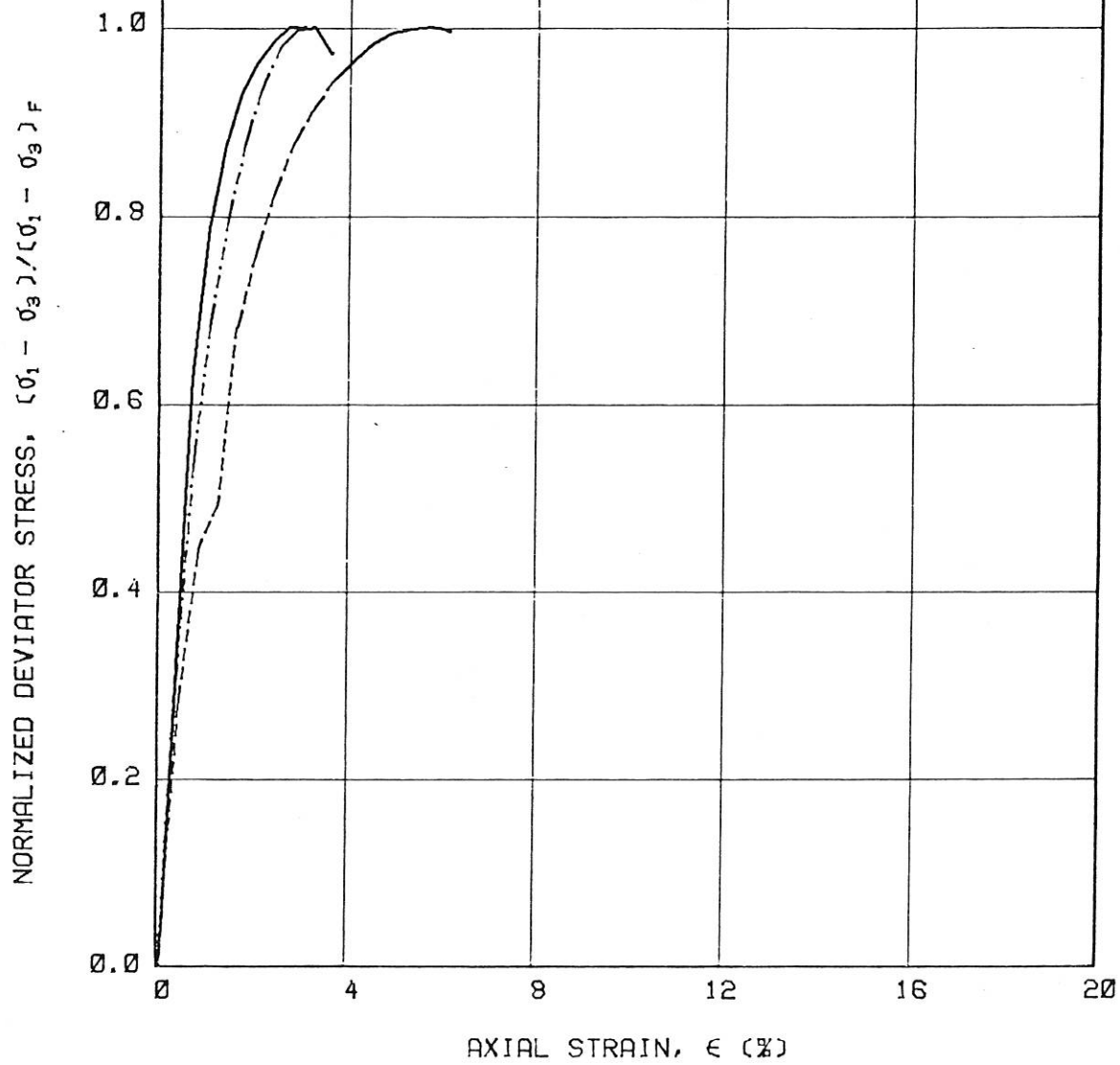


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 51

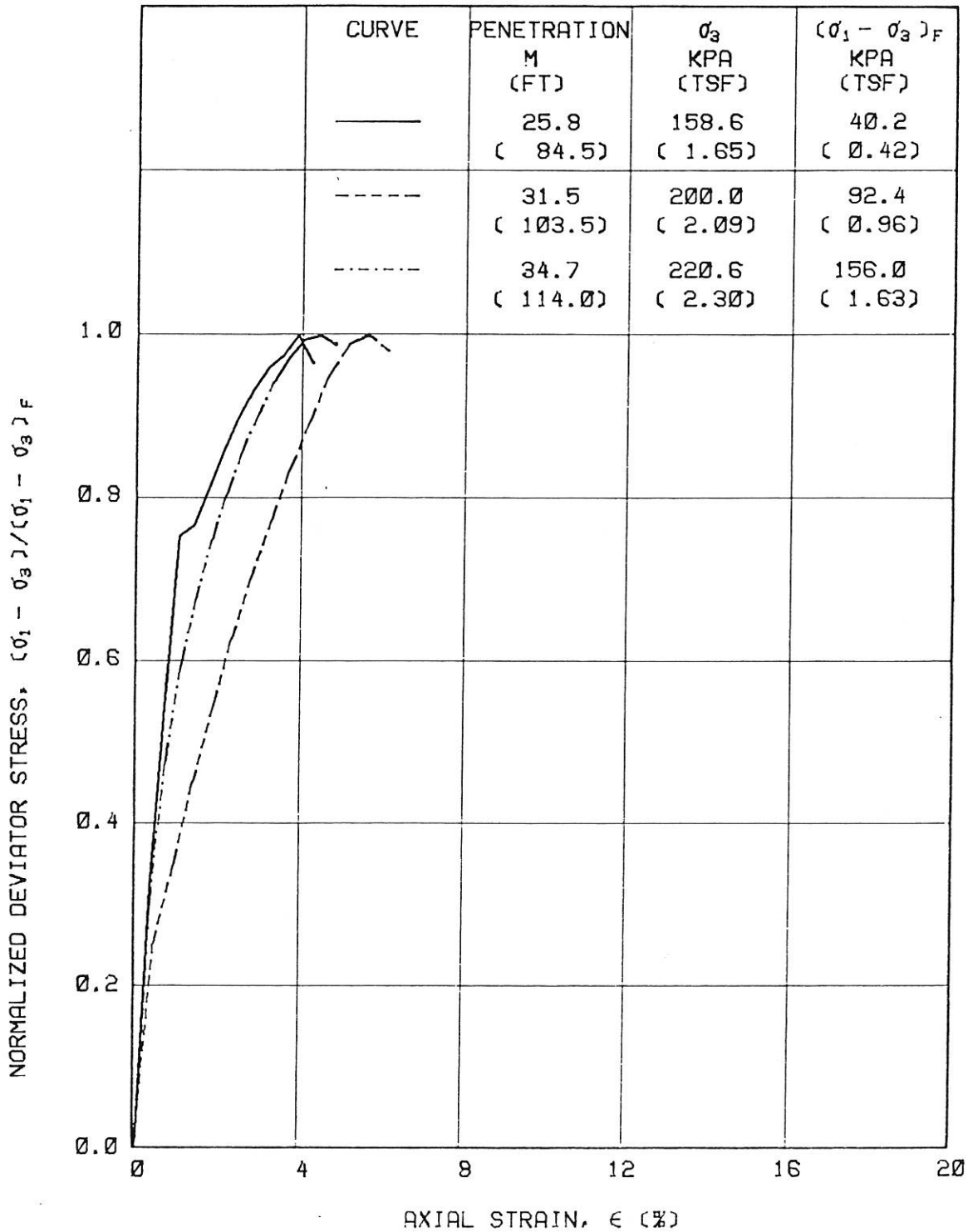
CURVE	PENETRATION M (FT)	σ_3 KPA (TSF)	$(\sigma_1 - \sigma_3)_F$ KPA (TSF)
———	1.4 (4.5)	13.8 (0.14)	33.4 (0.35)
- - - - -	8.1 (26.5)	55.2 (0.57)	51.6 (0.54)
-·-·-·-	18.1 (59.5)	117.2 (1.22)	88.3 (0.92)



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

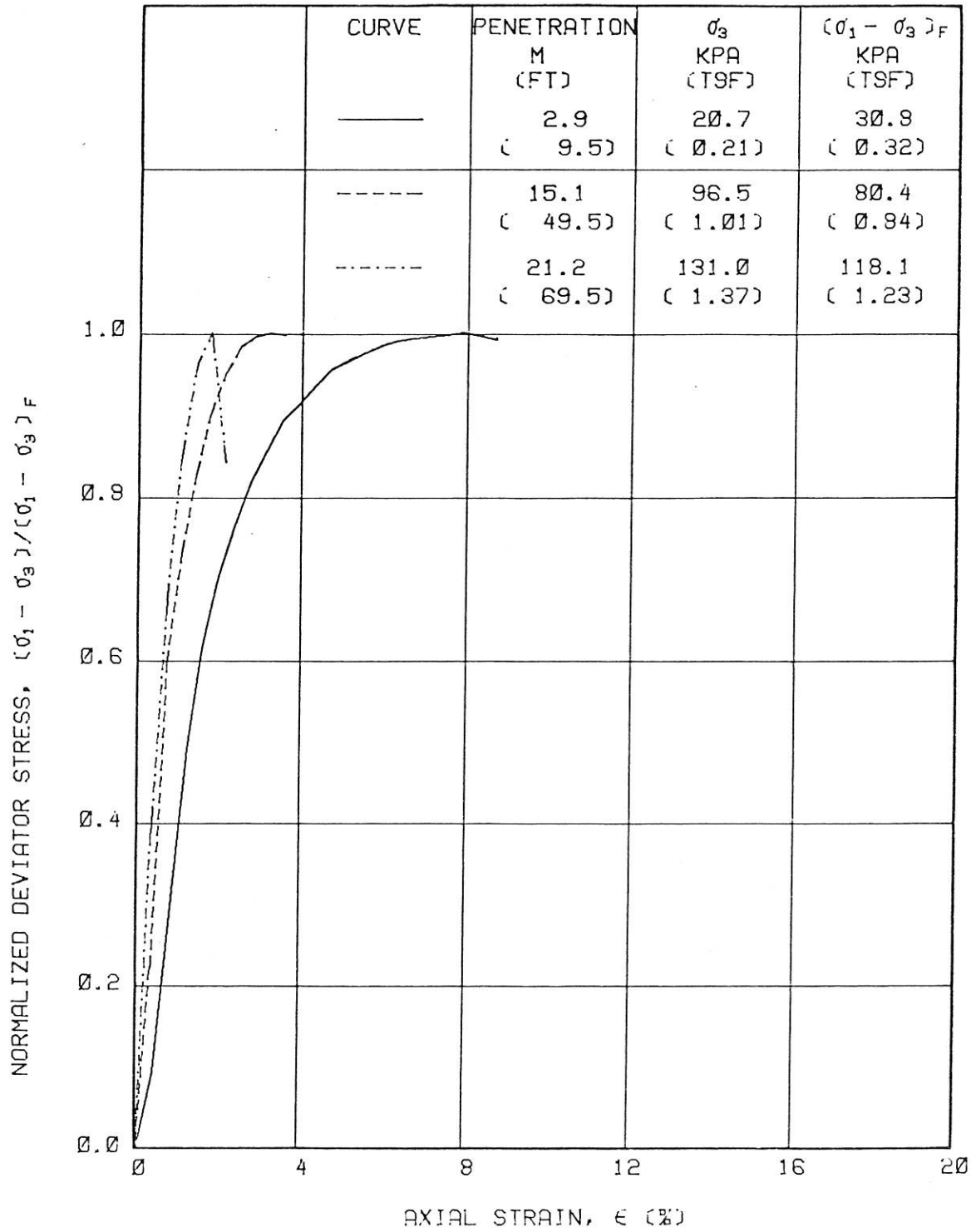
BORING 52



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

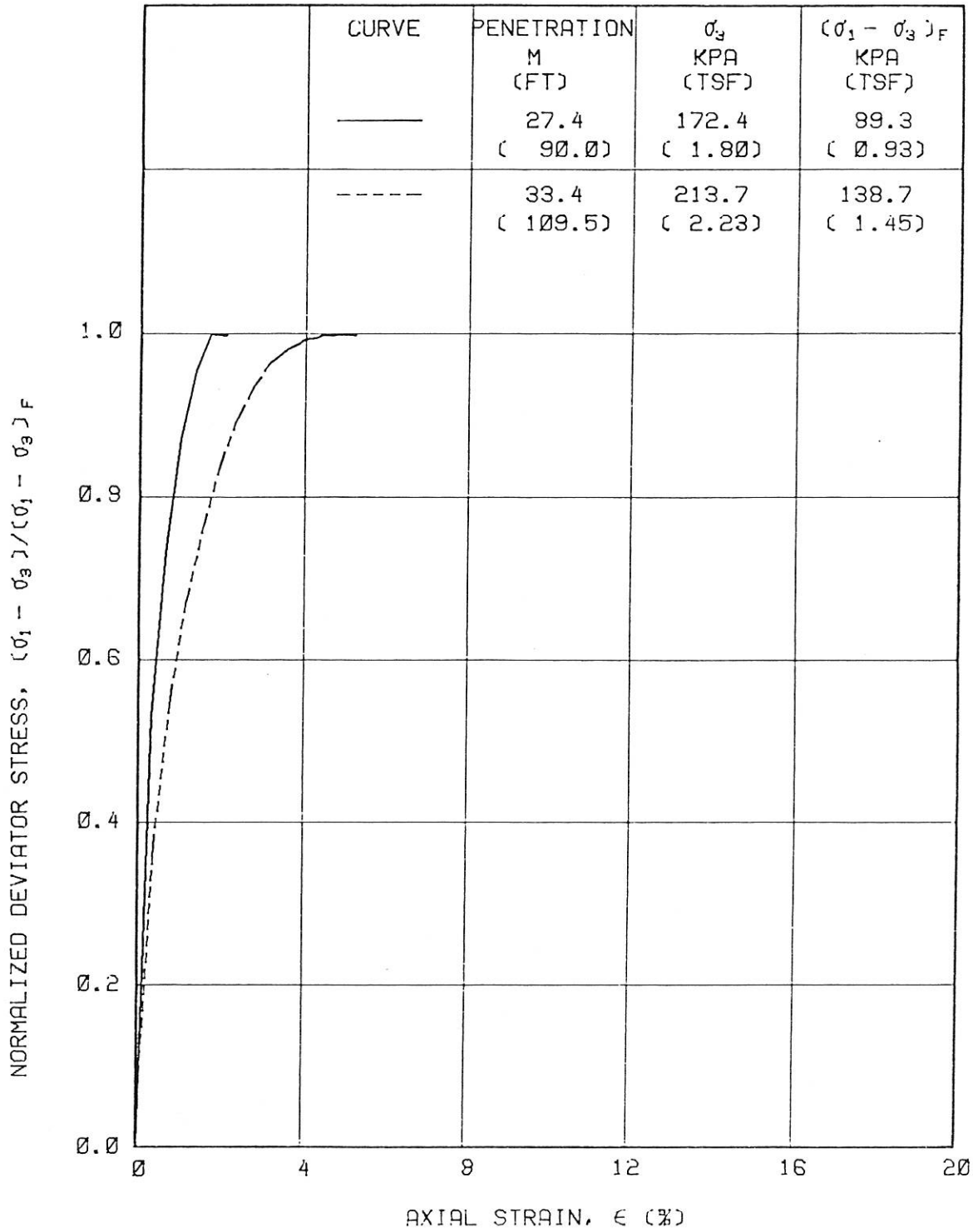
BORING 52



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

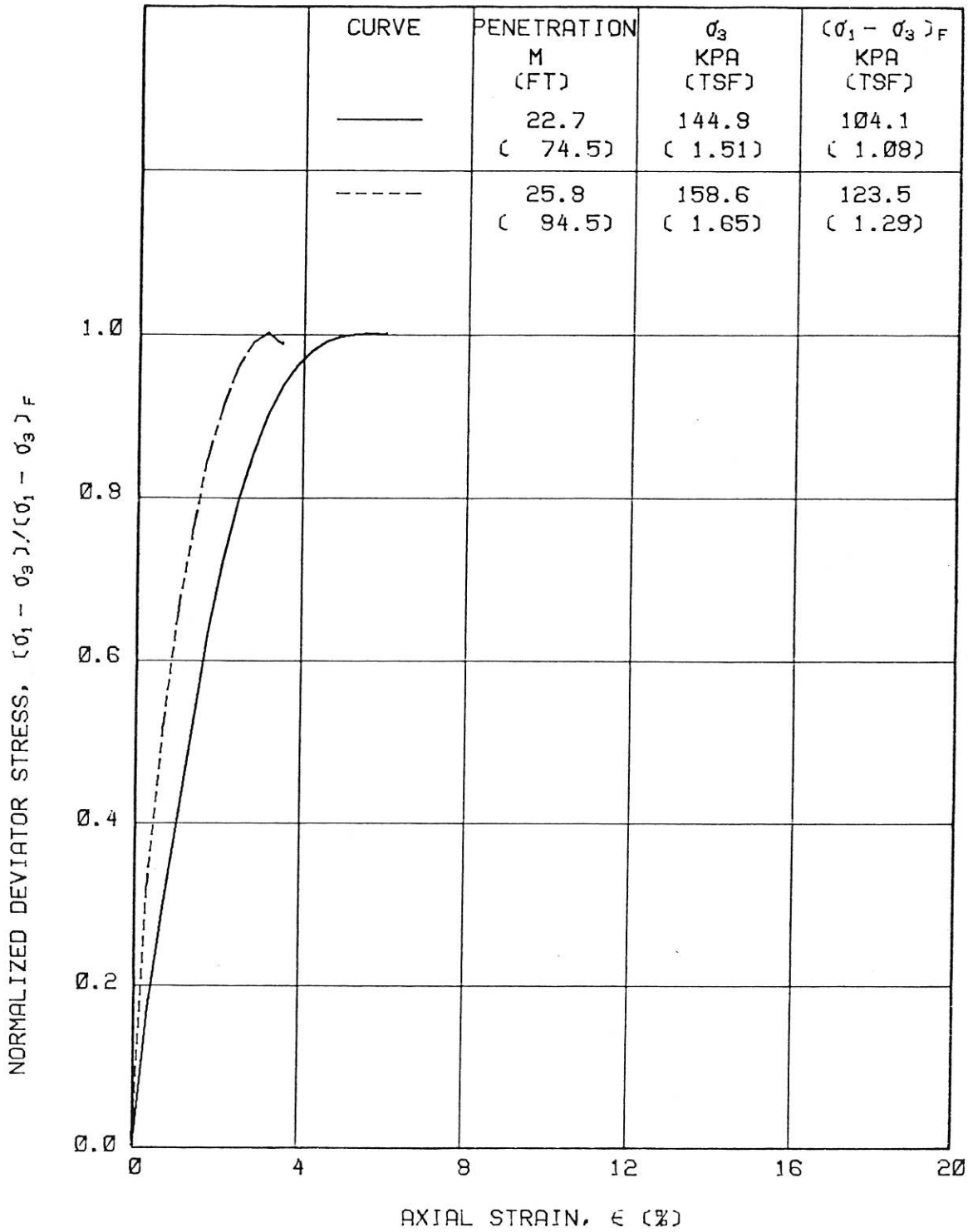
BORING 53



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

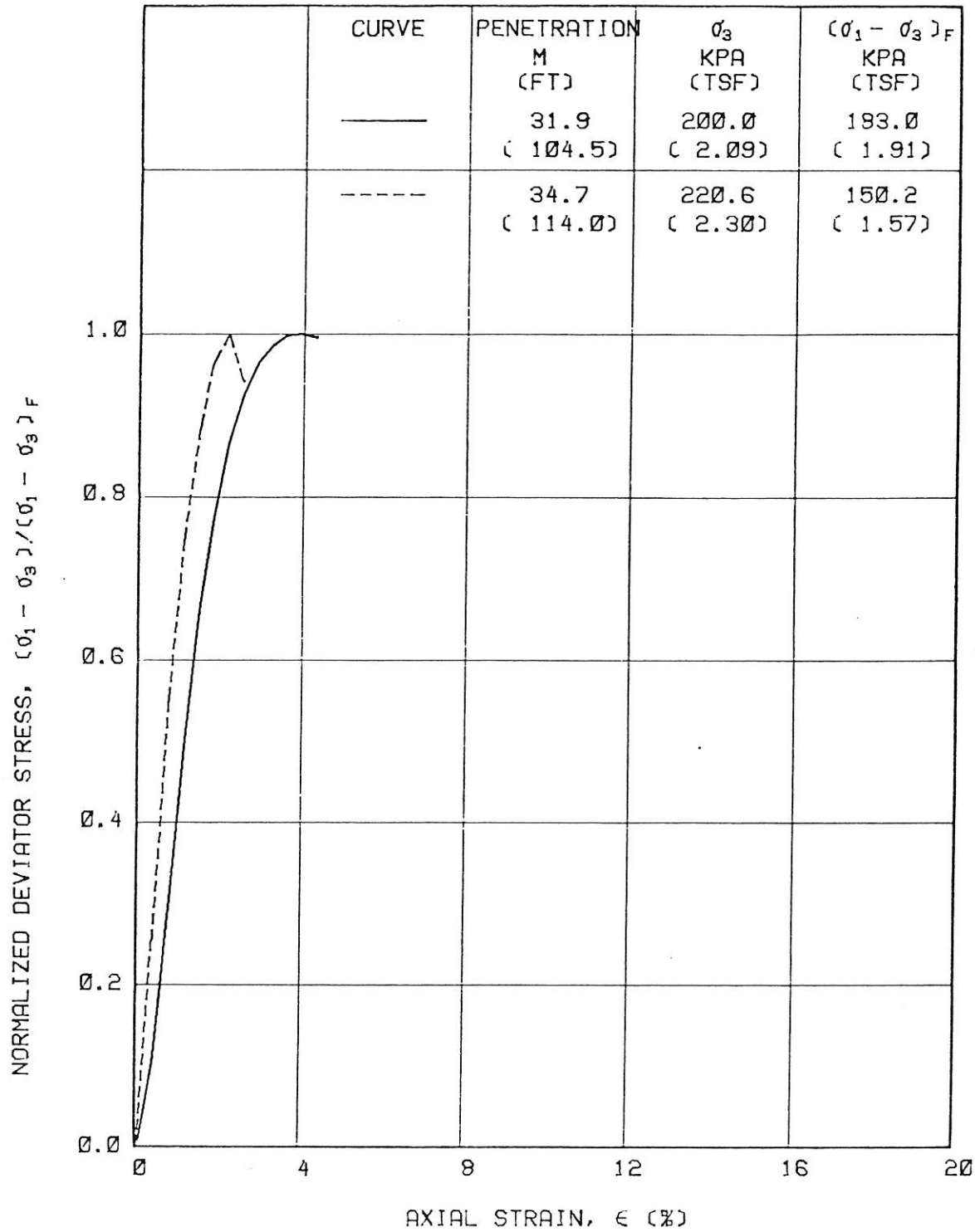
BORING 53



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 54

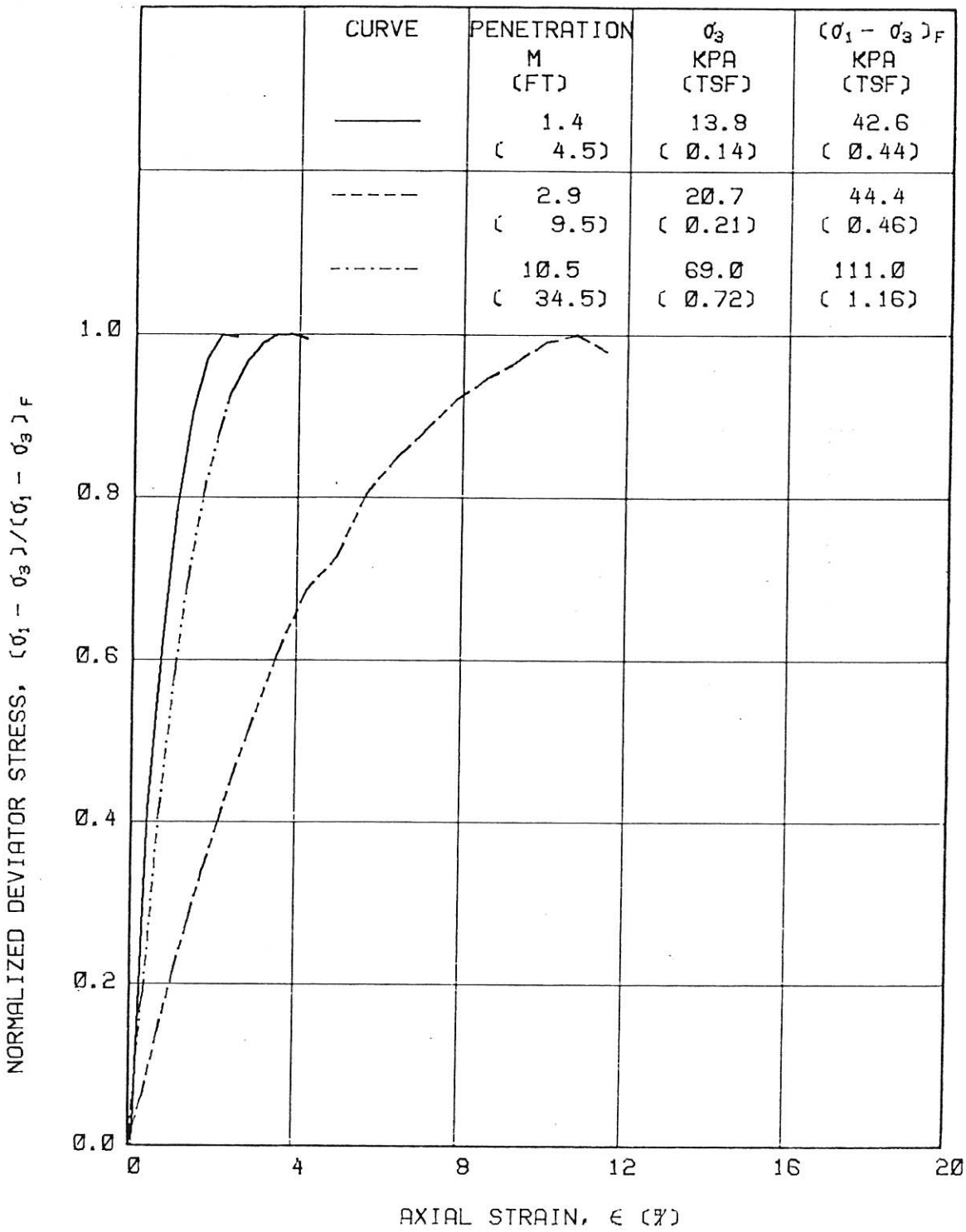


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 54

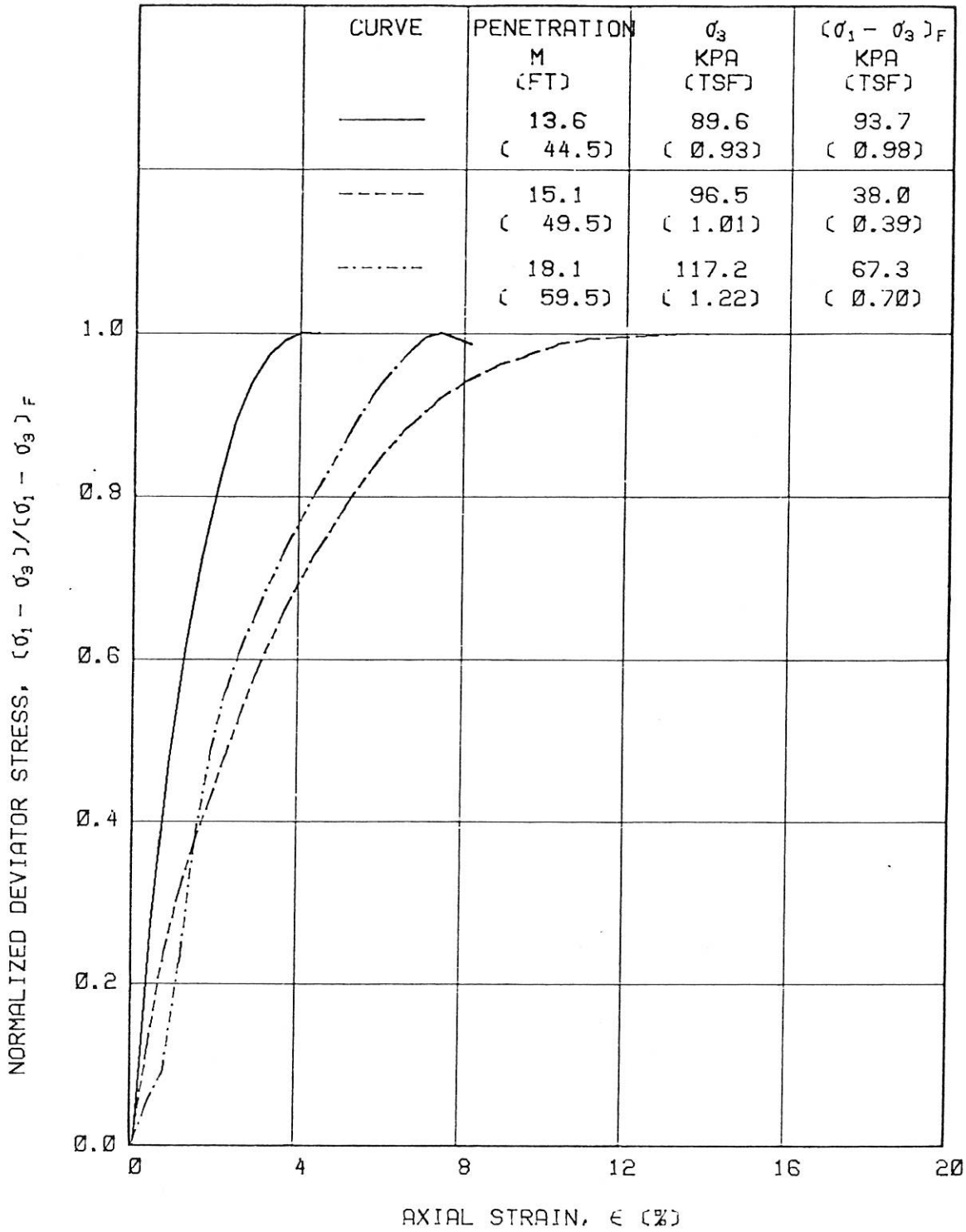
282-0190-5



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

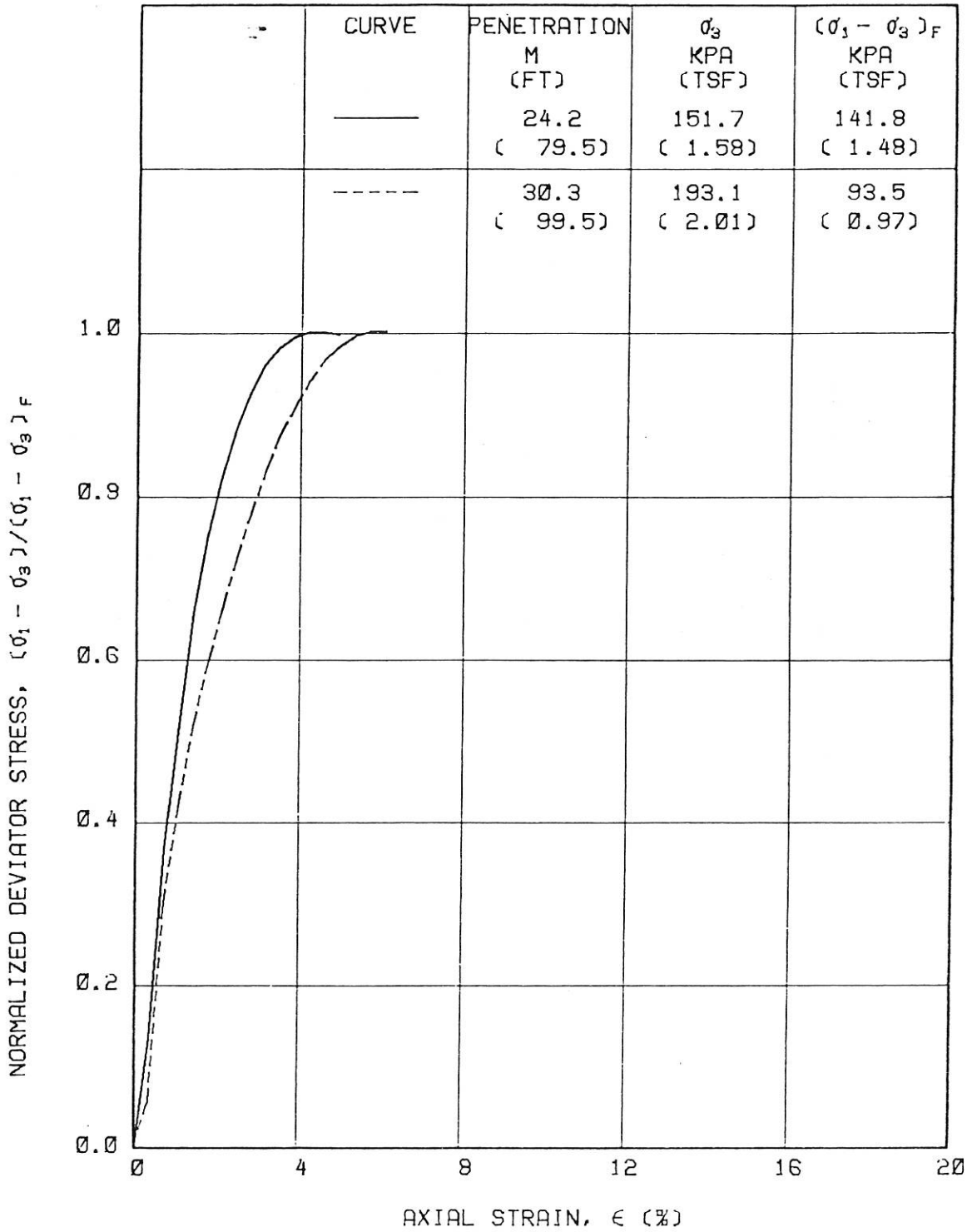
BORING 55



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 55

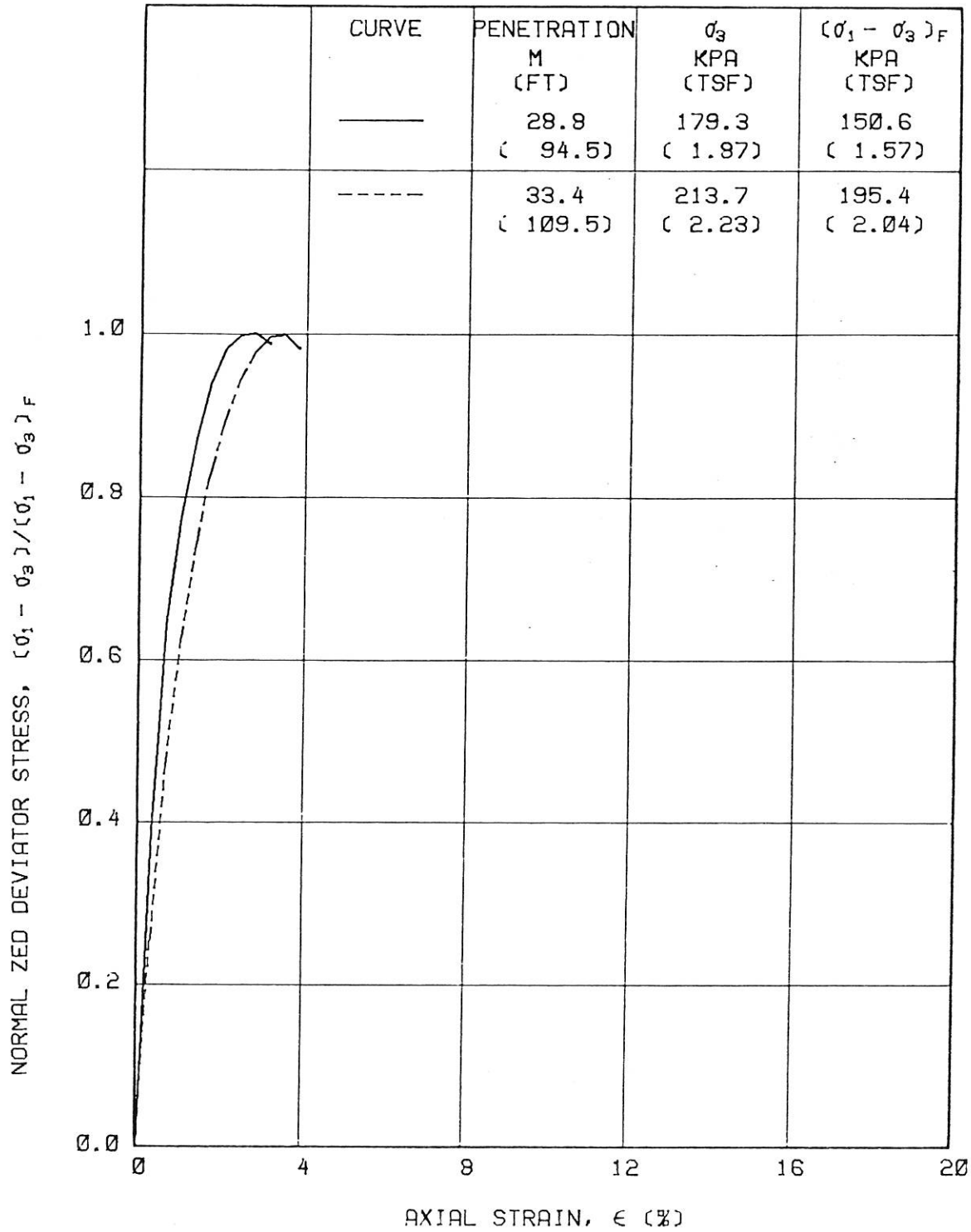


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 55

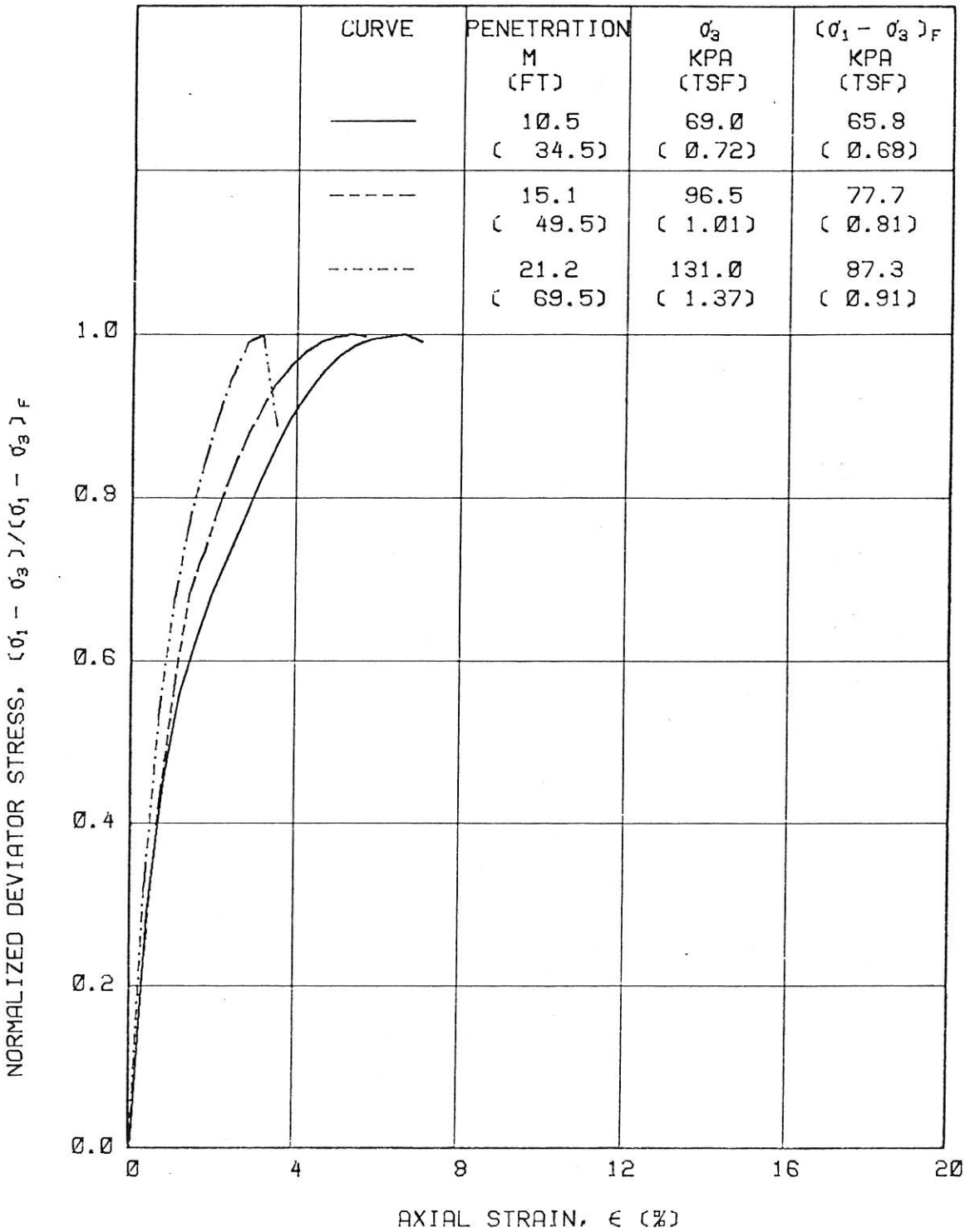
PR2-0190-5



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 56



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 56

LOG OF BORING NO. 168

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA: Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft²)	MATERIAL DESCRIPTION	LABORATORY DATA: Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	Plasticity Index (%)	Passing No. 200 Sieve (%)	Passing No. 200 Sieve (%)
				LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987							
				Olive gray silty clay with shell fragments and sand seams	0.02	65		39	19		
5				Olive gray silty fine sand with clay pockets and shell fragments						9*	4*
										34**	
10										13*	
15										2*	
20											60**
25											
30											
35											
40											

Notes:
1) Depth is referenced to penetration below seafloor.
2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc.
3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.

KEY

Jar Sample

* Mechanical Grain Size Analysis

** Hydrometer Analysis

COMPLETION DEPTH: 18'

LOG OF BORING NO. 183

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

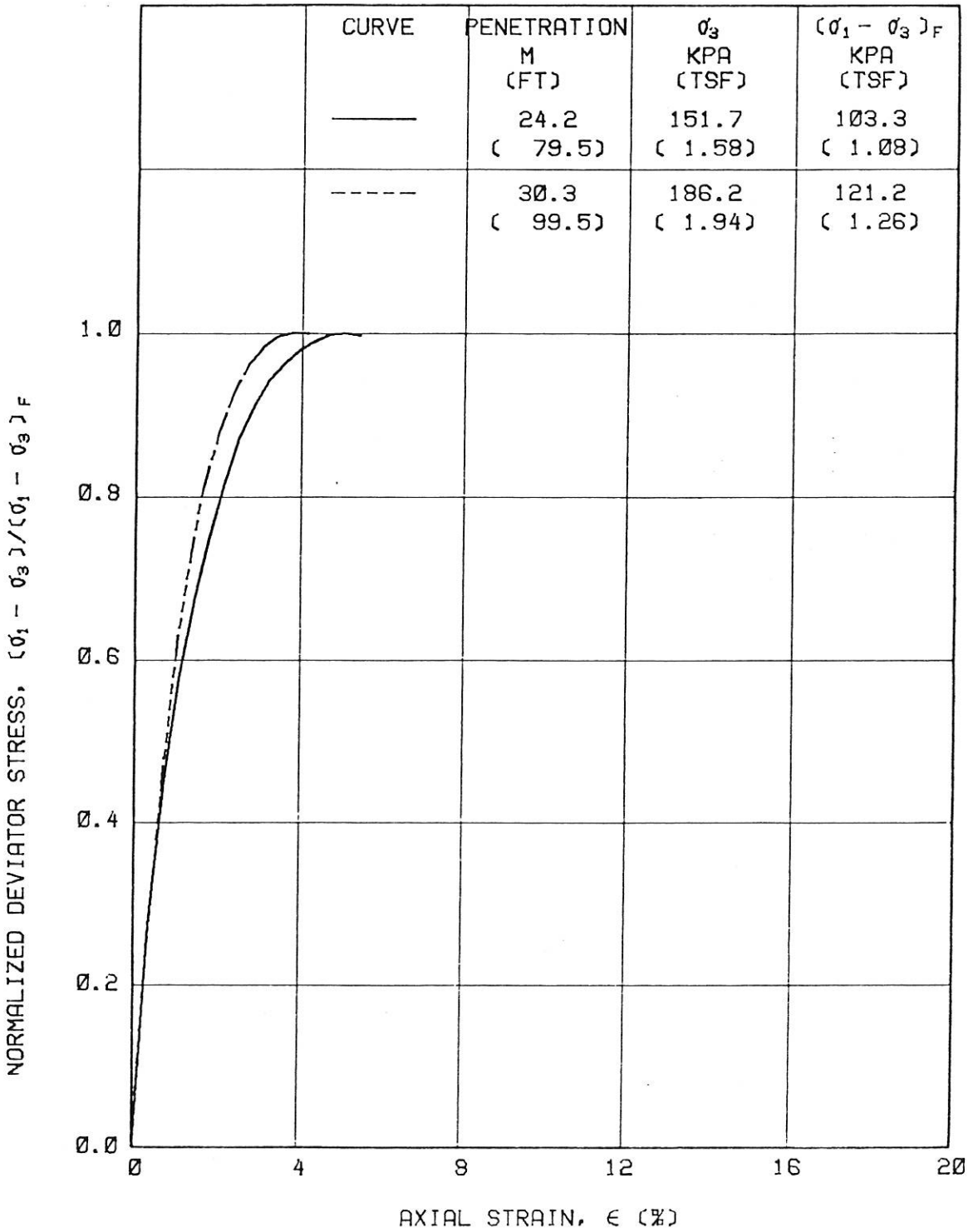
FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft²)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
				Olive gray and dark gray silty fine sand with clay pockets						
										2*
5										
										4*
										44**
10										
										1*
15										
										0*
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

- ■ Jar Sample
- * Mechanical Grain Size Analysis
- ** Hydrometer Analysis

COMPLETION DEPTH: 20'

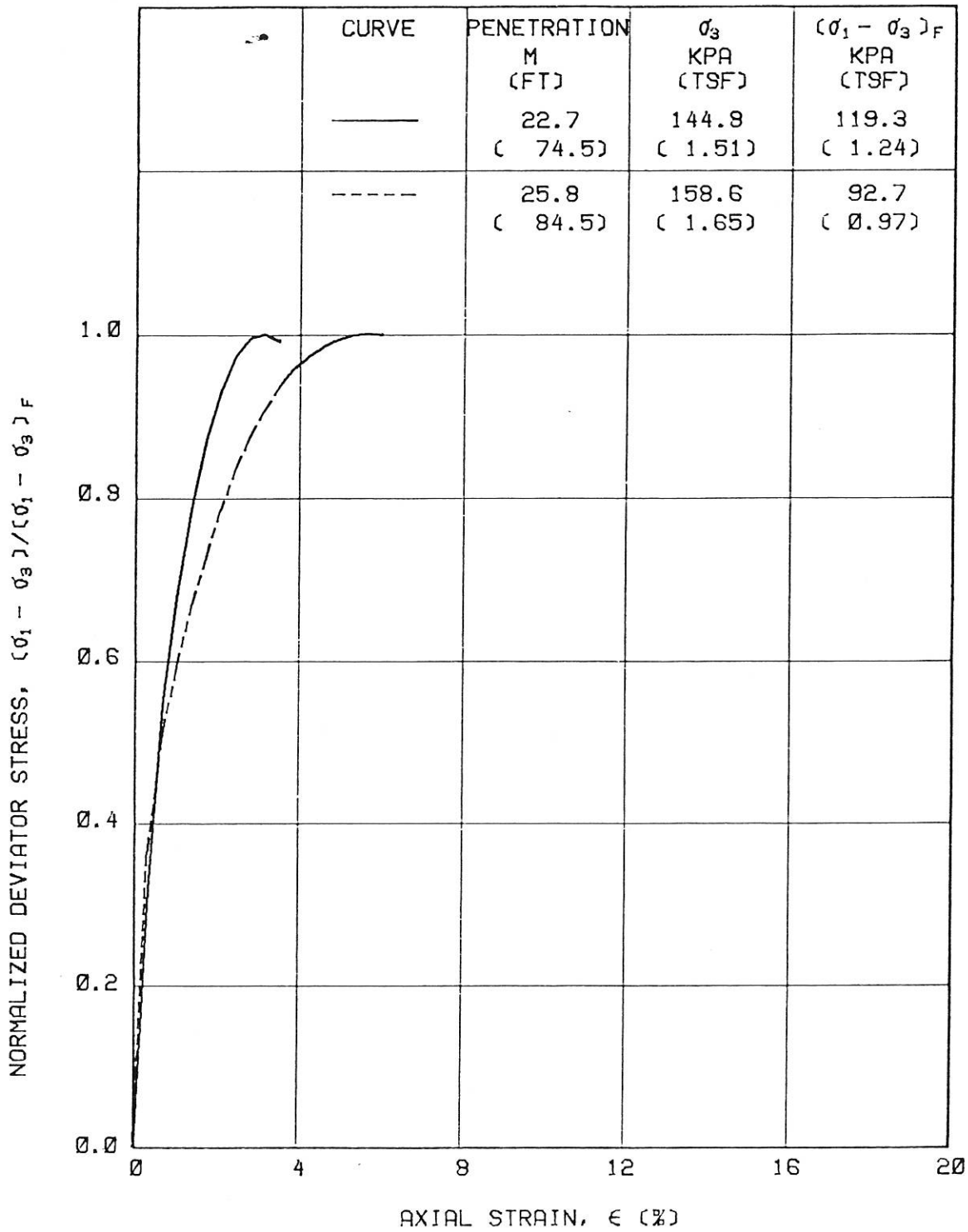
McCLELLAND ENGINEERS



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

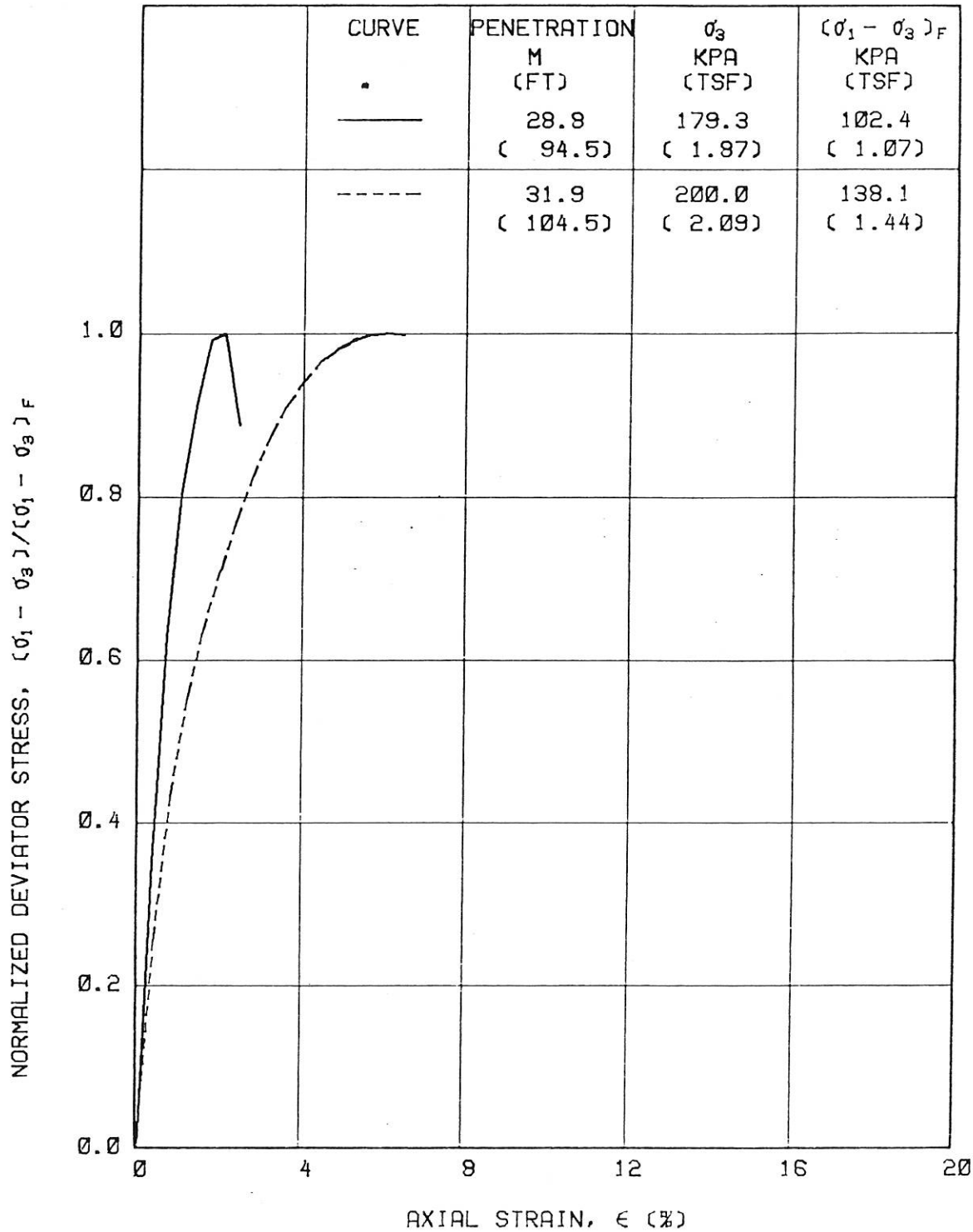
BORING 57



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

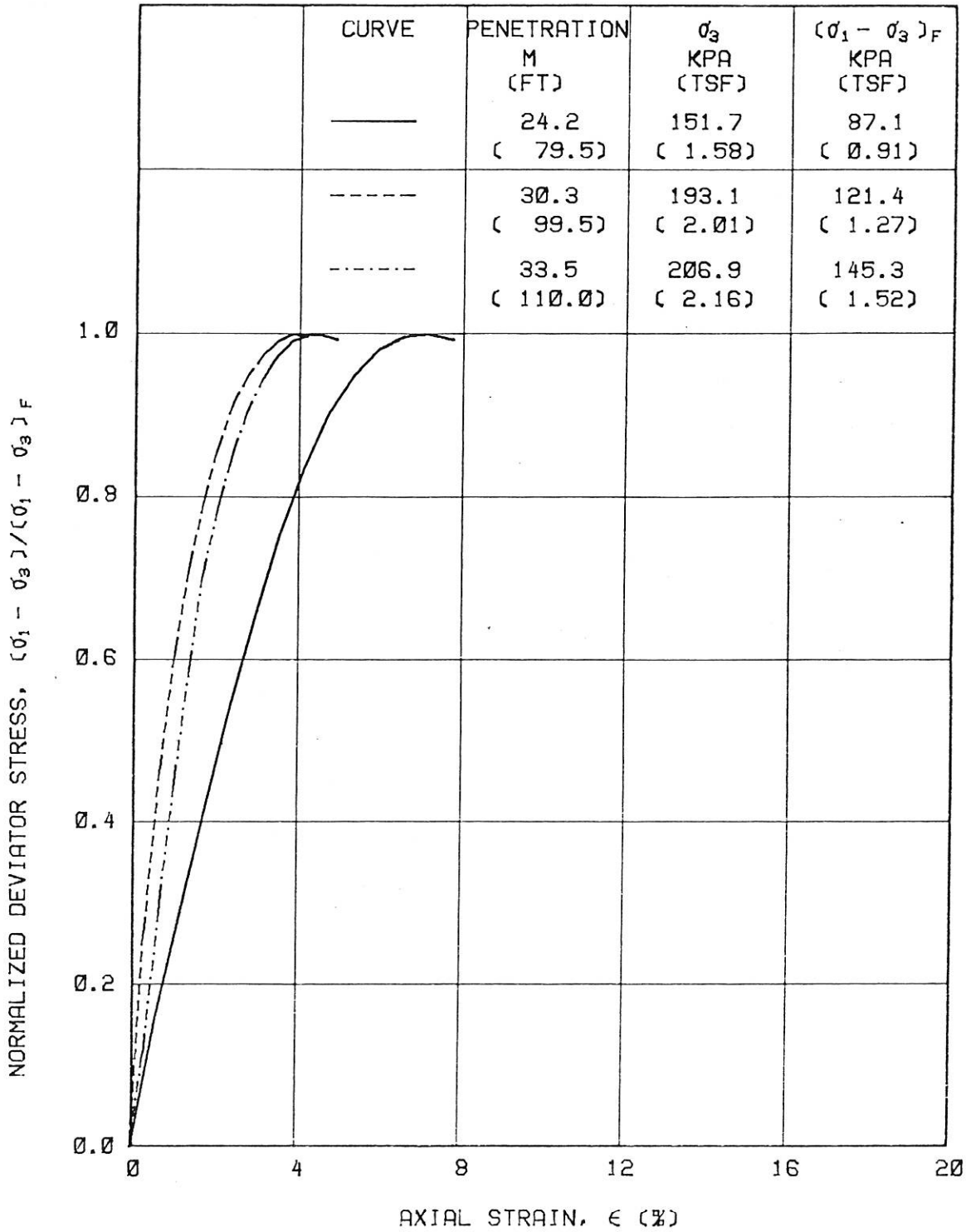
BORING 58



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

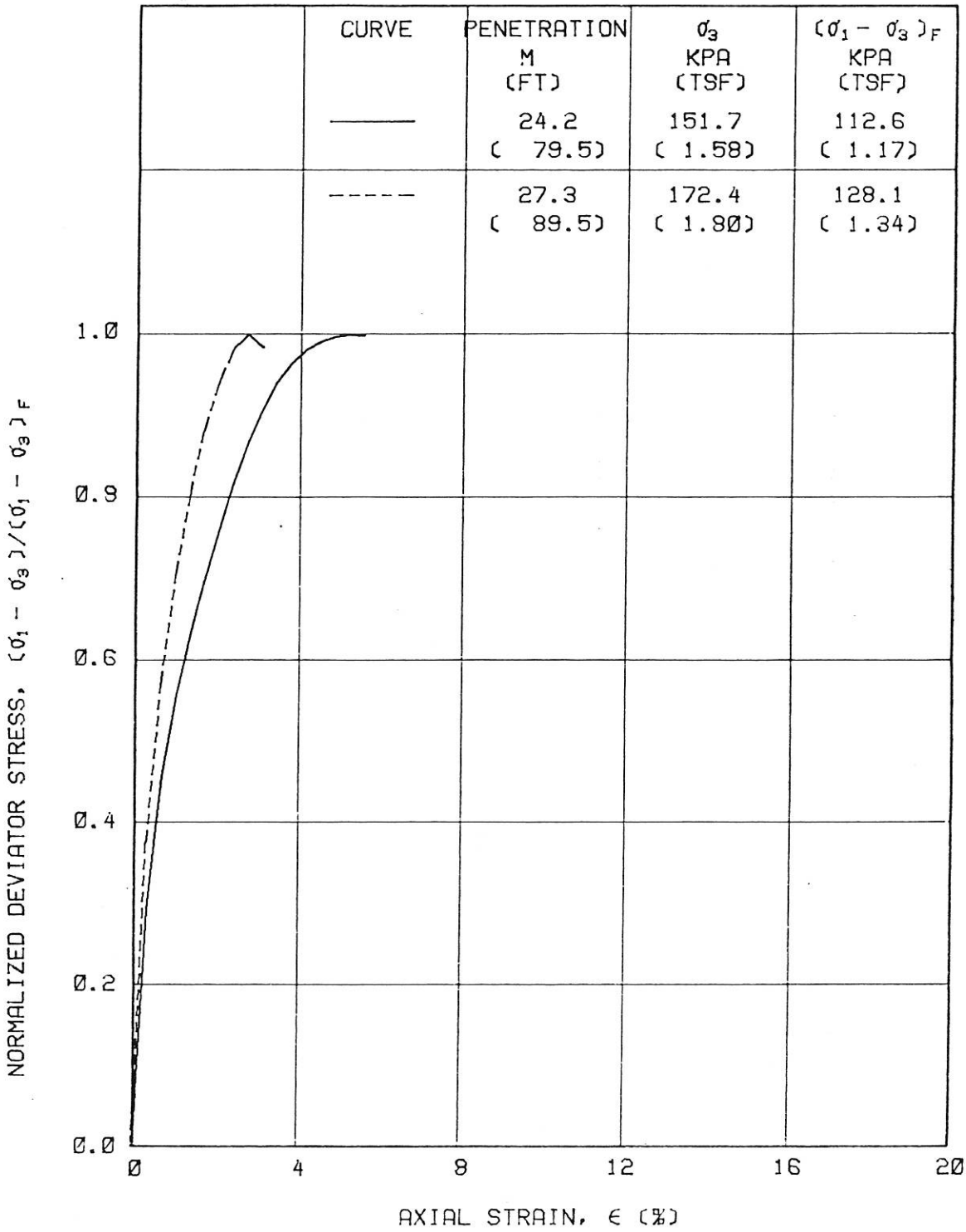
BORING 58



STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 59

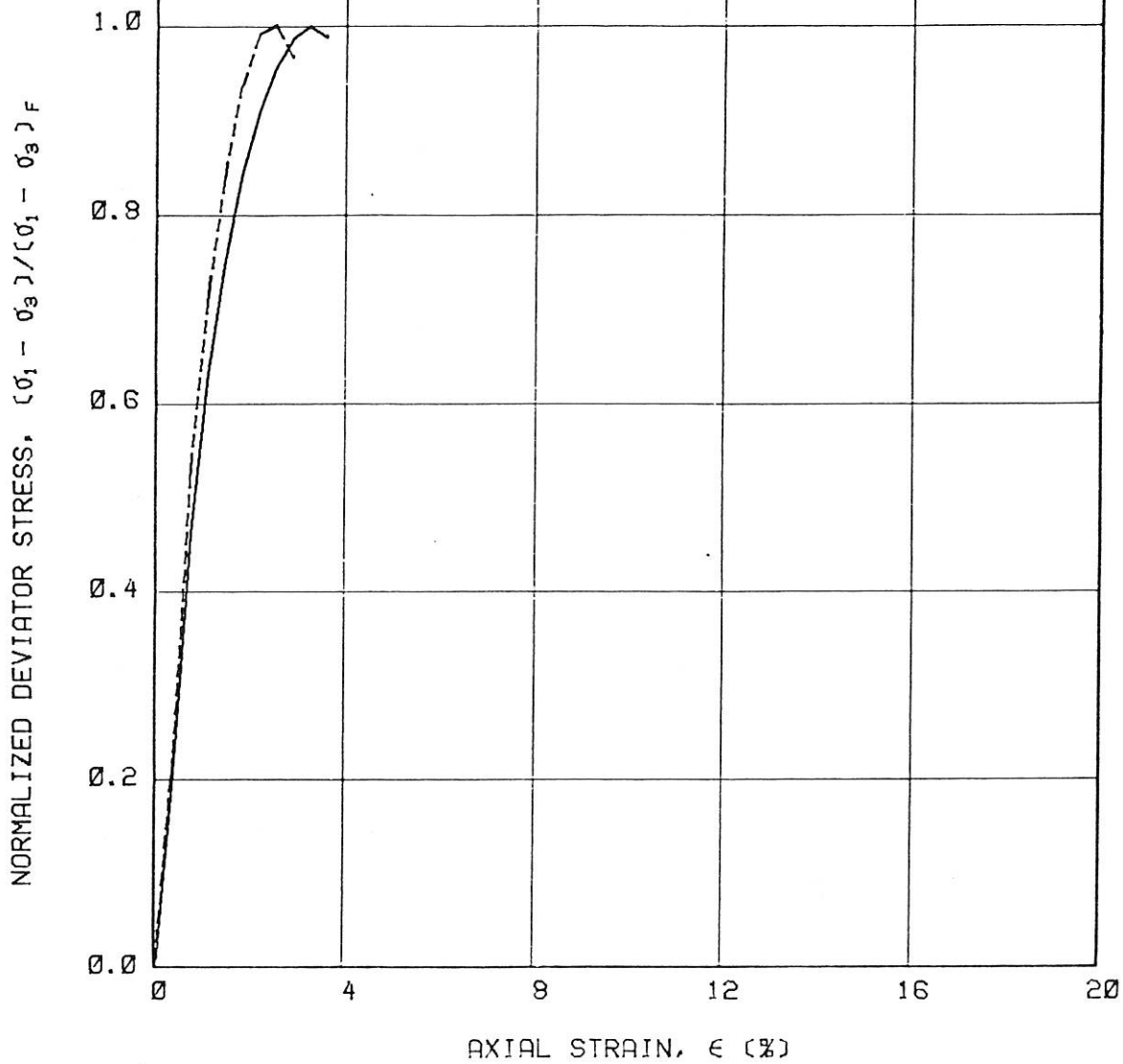


STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BORING 60

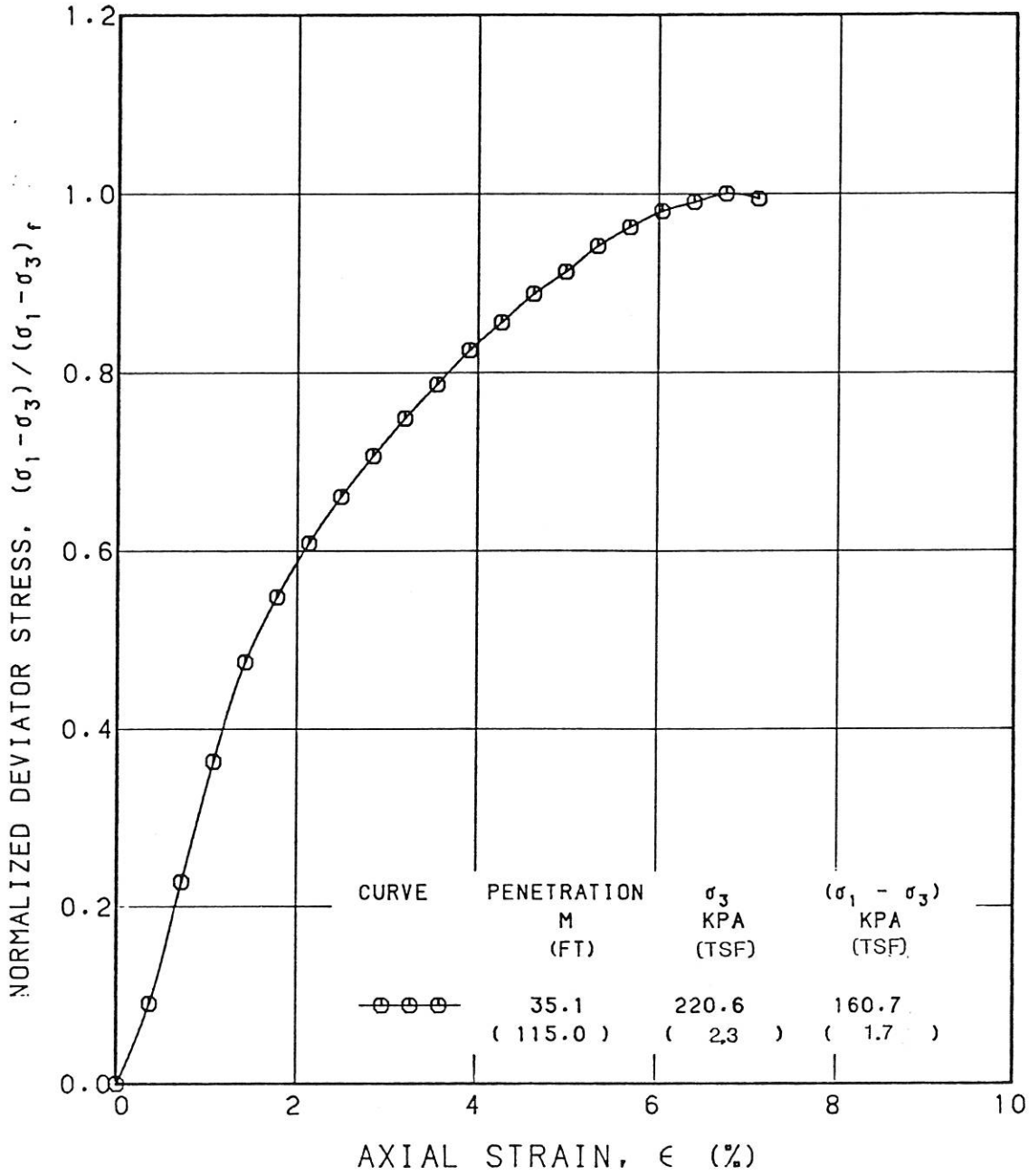
CURVE	PENETRATION M (FT)	σ_3 KPA (TSF)	$(\sigma_1 - \sigma_3)_F$ KPA (TSF)
———	30.3 (99.5)	193.1 (2.01)	107.9 (1.12)
- - - - -	33.4 (109.5)	213.7 (2.23)	89.3 (0.93)



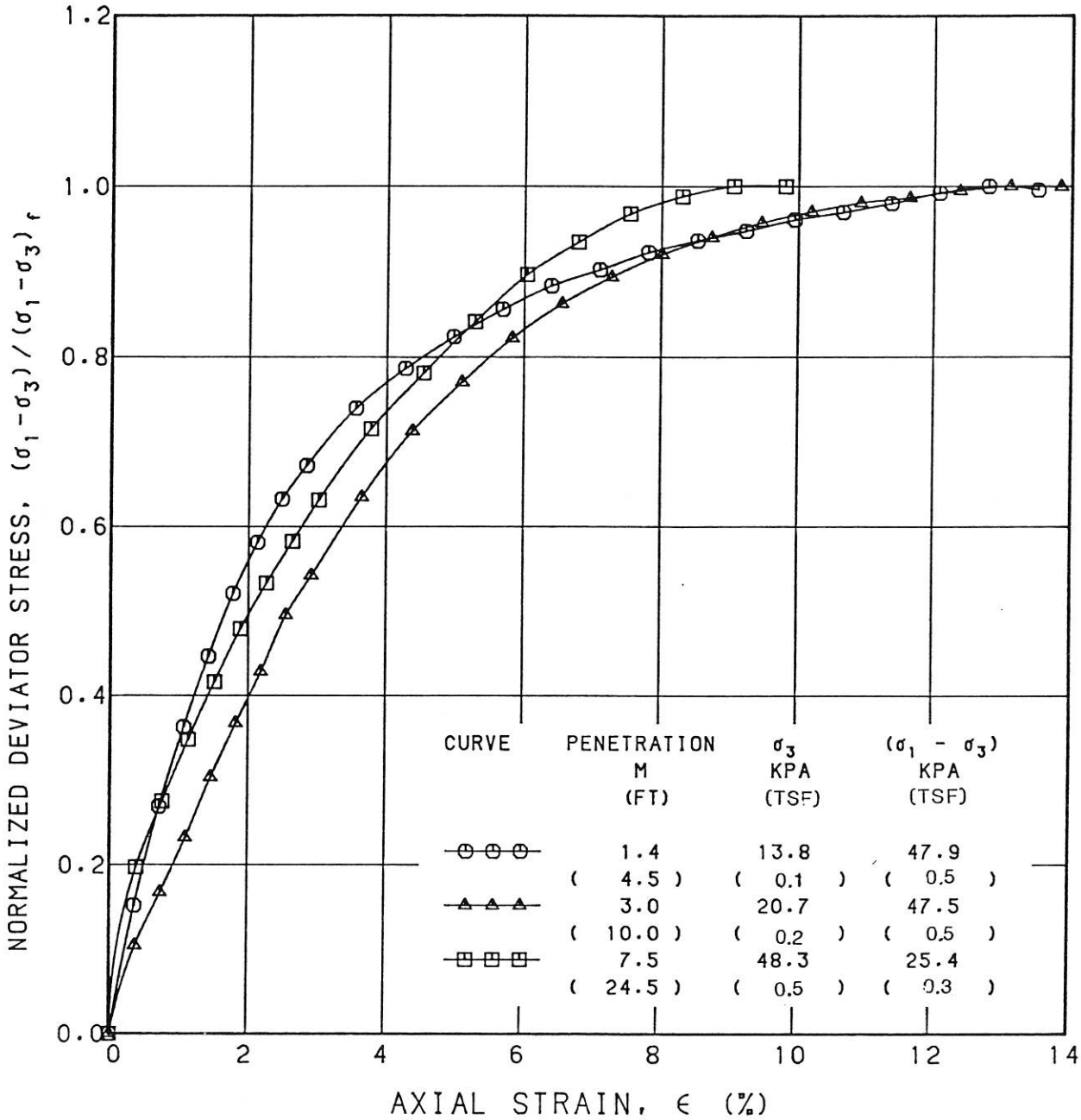
STRESS-STRAIN CURVES

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

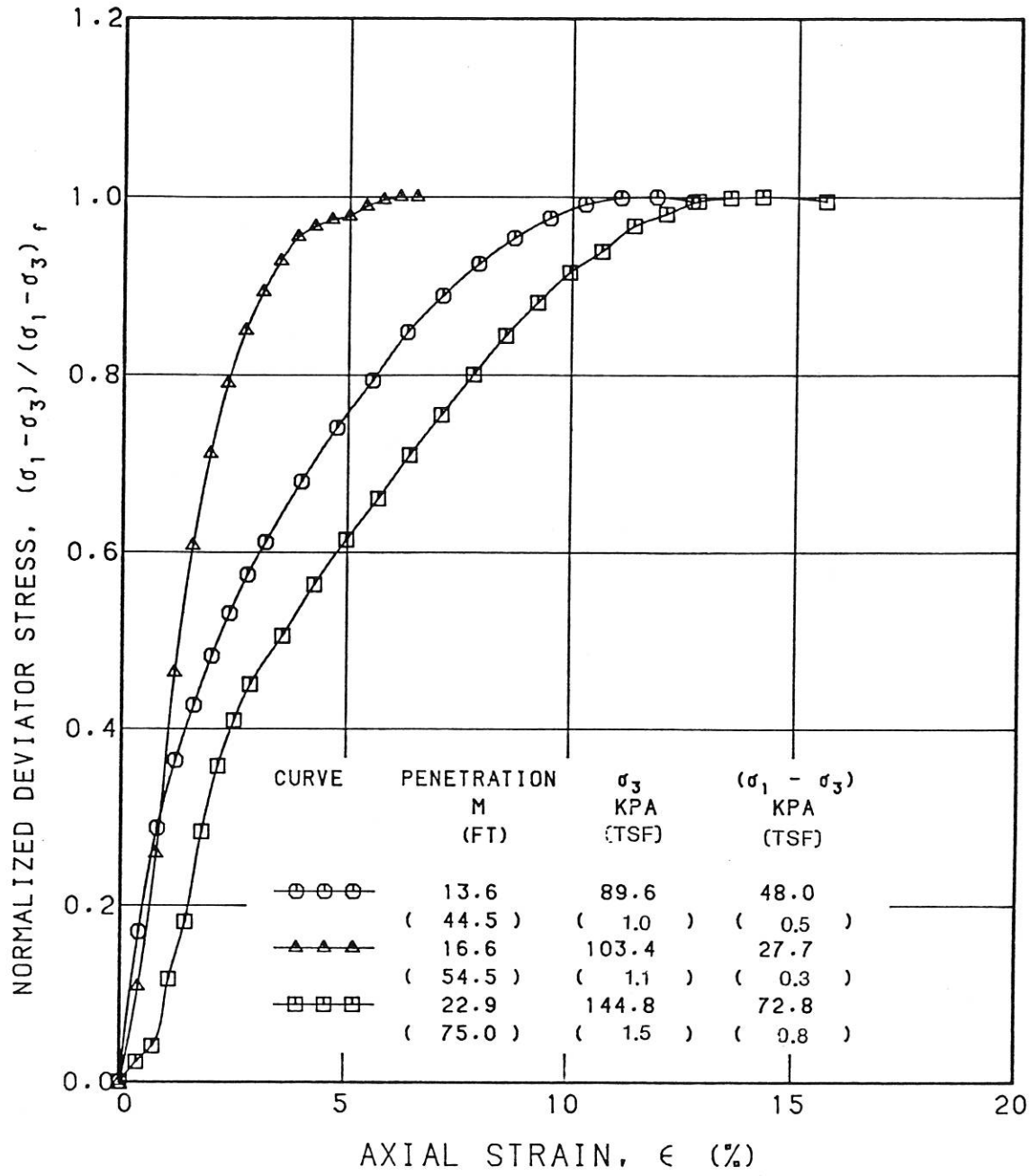
BORING 60



STRESS-STRAIN CURVES
UNCONSOLIDATED UNDRAINED TRIAXIAL TEST
BORING 61



STRESS-STRAIN CURVES
UNCONSOLIDATED UNDRAINED TRIAXIAL TEST
BORING 61



STRESS-STRAIN CURVES
UNCONSOLIDATED UNDRAINED TRIAXIAL TEST
BORING 61

T. BAKER SMITH & SON, INC.
CIVIL ENGINEERS & SURVEYORS
LAND - OFFSHORE - HYDROGRAPHIC - ENVIRONMENTAL RESEARCH

P.O. Box 2266 - 550 South Van Ave.
Houma, Louisiana 70361

LETTER OF TRANSMITTAL

DATE 2/3/88 JOB 5440

ATTENTION J. B. Conard

RE S.P. 750-55-01
Barrier Island Stab.

TO La. DOTD

GENTLEMEN:

WE ARE SENDING YOU (Attached) ☐ Under separate cover via _____ the following items:

☐ ☐ ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1			Replacement shots - 26

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval

☒ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution

☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints

☐ For review and comment ☐ _____

☐ FOR BIDS DUE _____ 19 _____ ☐

REMARKS Please substitute these logs accordingly

COPY TO _____

SIGNED: Marc J. Rojas, Jr.

If enclosures are not as noted, kindly notify us at once.

LOG OF BORING NO. 2

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft²)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
				Very soft to soft olive gray clay with sand seams and shell fragments		73				50**
5				Olive gray silty fine sand slightly clayey with shell fragments and clay pockets						51**
10				Very soft to soft olive gray clay slightly silty and sandy with shell fragments and sand seams	0.06	54		51	24	
15										
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

- Jar Sample
- * Mechanical Grain Size Analysis
- ** Hydrometer Analysis

COMPLETION DEPTH: 15'

McCLELLAND ENGINEERS

LOG OF BORING NO. 5

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft^2)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft^2)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
				Dark gray silty fine sand with shell fragments and clay pockets						14*
				- light brown below 3' to 3.5'						7*
5				- olive gray, gray below 3.5'						
				- with clay seams below 7.5'						24*
										35*
10				Olive gray clayey silt with shell fragments, and sand seams, partings and pockets						96**
15						79				
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

- Jar Sample
- * Mechanical Grain Size Analysis
- ** Hydrometer Analysis

COMPLETION DEPTH: 18.5'

McCLELLAND ENGINEERS

LOG OF BORING NO. 6

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips/Ft²)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
	■			Olive gray fine sand with shell fragments						12*
	■									11*
	■									10*
5	■			- silty below 5'						20*
	■									22*
10	■			Olive gray clayey silt with sand pockets and shell fragments						96**
	■			Very soft to soft olive gray silty clay with sand seams and shell fragments		48				
	■				0.08	49		49	22	
15	■					77				
20										
25										
30										
35										
40										

Notes:
1) Depth is referenced to penetration below seafloor.
2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc.
3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.

KEY

■ Jar Sample

* Mechanical Grain Size Analysis

** Hydrometer Analysis

COMPLETION DEPTH: 16.5'

McCLELLAND ENGINEERS

LOG OF BORING NO. 18

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft²)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
	■			Olive gray clayey sand with shell fragments						13*
	■			Olive gray silty fine sand with shell fragments						20*
5	■					24				38*
	■									29*
10	■			Very soft to soft olive gray clay with shell fragments and sand seams, partings, and pockets						
	■					64				
15	■									
20										
25										
30										
35										
40										

Notes:
1) Depth is referenced to penetration below seafloor.
2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc.
3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.

KEY

■ Jar Sample

* Mechanical Grain Size Analysis

** Hydrometer Analysis

COMPLETION DEPTH: 16'

McCLELLAND ENGINEERS

LOG OF BORING NO. 22

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft²)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
	■			Olive gray silty fine sand, slightly clayey						14*
	■									45**
	■			Olive gray sandy silt, slightly clayey with shell fragments and clay pockets						
5										
	■									68**
	■									
10										
	■									64**
15	■			Very soft to soft olive gray clay with shell fragments, and sand seams and pockets		77				
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

■ Jar Sample

* Mechanical Grain Size Analysis

** Hydrometer Analysis

COMPLETION DEPTH: 17'

McCLELLAND ENGINEERS

LOG OF BORING NO. 23

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft²)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
				Olive gray silty fine sand with shell fragments						25*
										38*
5				Olive gray sandy silt - with sand layer 6' to 7' - clayey below 7'						67**
										32*
										83**
10				Very soft to soft olive gray clay with shell fragments, silt pockets, and sand seams and partings						
15						71				
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

- ■ Jar Sample
- * Mechanical Grain Size Analysis
- ** Hydrometer Analysis

COMPLETION DEPTH: 17.5'

McCLELLAND ENGINEERS

LOG OF BORING NO. 29

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft²)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
	■			Olive gray silty fine sand, slightly clayey with shell fragments						34**
5	■			Olive gray sandy silt, slightly clayey with shell fragments						68**
10	■			Very soft to soft olive gray clay with shell fragments, and sand seams, partings, and pockets						
15	■									
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

■ Jar Sample

* Mechanical Grain Size Analysis

** Hydrometer Analysis

COMPLETION DEPTH: 17.5'

McCLELLAND ENGINEERS

LOG OF BORING NO. 36

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft²)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
				Olive gray silty fine sand with shell fragments						16*
										16*
5				- clayey silt layer 6' to 8'						24*
						51				
10				Very soft to soft olive gray clay with shell fragments, and sand seams, partings, and pockets						
15										
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

- ■ Jar Sample
- * Mechanical Grain Size Analysis
- ** Hydrometer Analysis

COMPLETION DEPTH: 18'

McCLELLAND ENGINEERS

LOG OF BORING NO. 53

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft²)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
				Very soft to soft olive gray clay with shell fragments, and sand seams and pockets,						12*
5				- with silty fine sand layer 1' to 1.5'						
10						57				
15										
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

■ Jar Sample

* Mechanical Grain Size Analysis

** Hydrometer Analysis

COMPLETION DEPTH: 18'

LOG OF BORING NO. 56

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft²)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
	■			Dark gray silty fine sand slightly clayey with shell fragments						44**
	■					61				
5				Very soft to soft olive gray clay with shell fragments, and sand seams, partings, and pockets						
10	■			- with sand layer 12' to 12.5'		73				
15	■				0.06	92		81	53	
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

■ Jar Sample

* Mechanical Grain Size Analysis

** Hydrometer Analysis

COMPLETION DEPTH: 17'

LOG OF BORING NO. 83

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft²)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
	■			Olive gray silty fine sand, slightly clayey with shell fragments						35**
5	■			Very soft to soft olive gray clay with sand seams, partings, and pockets						
10	■									
15										
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

■ Jar Sample

* Mechanical Grain Size Analysis

** Hydrometer Analysis

COMPLETION DEPTH: 15.5'

McCLELLAND ENGINEERS

LOG OF BORING NO. 84

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft^2)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft^2)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
				Olive gray fine sand with shell fragments						4*
5				Very soft to soft olive gray clay with shell fragments, and sand seams, partings, and pockets. - sandy to 3'						
10						92				
15										
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

- ■ Jar Sample
- * Mechanical Grain Size Analysis
- ** Hydrometer Analysis

COMPLETION DEPTH: 18'

McCLELLAND ENGINEERS

LOG OF BORING NO. 88

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft²)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
	■			Olive gray silty fine sand with shell fragments						48**
	■			Olive gray sandy silt, clayey, with shell fragments						64**
5	■			Very soft to soft olive gray clay with shell fragments, and sand seams, partings, and pockets						
10	■					66				
15	■									
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

■ Jar Sample

* Mechanical Grain Size Analysis

** Hydrometer Analysis

COMPLETION DEPTH: 17.5'

McCLELLAND ENGINEERS

LOG OF BORING NO. 167

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft^2)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft^2)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
	■			Very soft to soft olive gray clay with sand seams						
	■			Olive gray silty sand with shell fragments						14*
5	■			Very soft to soft olive gray clay with shell fragments, and sand seams, partings, and pockets						
10	■									
15	■									
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

■ Jar Sample

* Mechanical Grain Size Analysis

** Hydrometer Analysis

COMPLETION DEPTH: 20'

McCLELLAND ENGINEERS

LOG OF BORING NO. 183

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft²)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
				Olive gray and dark gray silty fine sand with clay pockets						
										2*
5										
										4*
										44**
10										
										1*
15										
										0*
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

- ■ Jar Sample
- * Mechanical Grain Size Analysis
- ** Hydrometer Analysis

COMPLETION DEPTH: 20'

McCLELLAND ENGINEERS

LOG OF BORING NO. 192

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft²)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
				Olive gray sandy silt with clay pockets and organics						
5										78**
				Olive gray silty fine sand with clay seams and shell fragments						35**
10										1*
										1*
15				Very soft to soft olive gray clay with sand seams and shell fragments						
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

- Jar Sample
- * Mechanical Grain Size Analysis
- ** Hydrometer Analysis

COMPLETION DEPTH: 17.5'

McCLELLAND ENGINEERS

LOG OF BORING NO. 197

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft^2)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft^2)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
				Olive gray fine sand with clay pockets and shell fragments						4*
5				Very soft to soft olive gray clay with organic seams and sand pockets						
				Olive gray silty fine sand with shell fragments and sand seams						
10										1*
										12*
15				Very soft to soft olive gray clay with shell fragments, and sand seams, partings, and pockets						
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

Jar Sample

* Mechanical Grain Size Analysis

** Hydrometer Analysis

COMPLETION DEPTH: 17.5'

McCLELLAND ENGINEERS

LOG OF BORING NO. 227

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft^2)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft^2)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
				Very soft to soft olive gray clay with sand seams						
5				Olive gray fine sand with shell fragments						14*
										3*
10				Very soft olive gray silty clay with sand pockets						68**
				Olive gray and dark gray silty fine sand with shell fragments						37**
15										1*
										14*
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

- Jar Sample
- * Mechanical Grain Size Analysis
- ** Hydrometer Analysis

COMPLETION DEPTH: 18'

McCLELLAND ENGINEERS

LOG OF BORING NO. 241

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft²)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
				Very soft to soft olive gray clay with shell fragments, and sand seams, partings, and pockets						
5						47				
10				Olive gray fine sand with clay pockets and shell fragments						
										6*
15										1*
										3*
20										36**
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

- Jar Sample
- * Mechanical Grain Size Analysis
- ** Hydrometer Analysis

COMPLETION DEPTH: 20'

McCLELLAND ENGINEERS

LOG OF BORING NO. 242

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft²)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
				Olive gray fine sand with shell fragments and clay pockets - clay layer to 1'		55				
5										4*
10										4*
				Very soft to soft olive gray clay with shell fragments, and sand seams, partings, and pockets						
15										
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

- ■ Jar Sample
- * Mechanical Grain Size Analysis
- ** Hydrometer Analysis

COMPLETION DEPTH: 17'

McCLELLAND ENGINEERS

LOG OF BORING NO. 243B

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft²)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
				Very soft to soft olive gray clay with shell fragments, and sand seams, partings, and pockets	0.03	89		77	50	
5										
				Olive gray fine sand with shell fragments and clay seams						2*
10										2*
										3*
15				Very soft to soft olive gray clay with shell fragments, and sand seams, partings, and pockets						
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

- ▮ Jar Sample
- * Mechanical Grain Size Analysis
- ** Hydrometer Analysis

COMPLETION DEPTH: 17.5'

McCLELLAND ENGINEERS

LOG OF BORING NO. 250

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft²)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
				Olive gray clayey sand, slightly silty, with shell fragments						
5										47**
				Olive gray and dark gray silty fine to fine sand with clay pockets and shell fragments						46**
10										4*
										1*
15										
						50				
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

- ■ Jar Sample
- * Mechanical Grain Size Analysis
- ** Hydrometer Analysis

COMPLETION DEPTH: 18'

McCLELLAND ENGINEERS

LOG OF BORING NO. "E"

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft²)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft²)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
				Very soft to soft olive gray clay with shell fragments, and sand seams, partings, and pockets						
				- sand layer 2' to 3.5'						3*
5				- fine sand 5' to 6'						46**
						55				
10				Olive gray fine sand with clay pockets						
										2*
15				Very soft to soft olive gray clay with shell fragments and sand seams						
20										
25										
30										
35										
40										

Notes:
1) Depth is referenced to penetration below seafloor.
2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc.
3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.

KEY

Jar Sample

* Mechanical Grain Size Analysis

** Hydrometer Analysis

COMPLETION DEPTH: 17'

McCLELLAND ENGINEERS

LOG OF BORING NO. "F"

JOB NO. 1087-1328

Isles Derniers Stabilization Project
State Project 750-55-01

FIELD DATA				MATERIAL DESCRIPTION	LABORATORY DATA					
Depth (Feet)	Samples	Penetration Resistance (Blows / Ft)	Undrained Shear Strength (Kips / Ft^2)	LOCATION: See Ocean Surveys, Inc. Drawing dated October 2, 1987	Undrained Shear Strength (Kips / Ft^2)	Moisture Content (%)	Unit Dry Weight (Lbs / Cu Ft)	ATTERBERG LIMITS: Liquid Limit (%)	ATTERBERG LIMITS: Plasticity Index (%)	Passing No. 200 Sieve (%)
				Olive gray silty fine to fine sand with shell fragments and clay pockets						
	■									39**
5				- clay layer 6' to 8'						
	■					71				
10	■									8*
	■									2*
15										
	■									11*
20										
25										
30				Notes: 1) Depth is referenced to penetration below seafloor. 2) Cores were obtained using vibracoring methods by Ocean Surveys, Inc. 3) Undrained shear strengths were obtained by miniature vane tests performed on remolded samples.						
35										
40										

KEY

■ Jar Sample

* Mechanical Grain Size Analysis

** Hydrometer Analysis

COMPLETION DEPTH: 20'

McCLELLAND ENGINEERS