STUDY OF SOIL BEHAVIOR UNDER HIGH PRESSURE. REPORT 1. VOLUME 2. RESPONSE OF TWO RECOMPACTED SOILS TO VARIOUS STATES OF STRESS

Billy B. Mazanti, et al

Georgia Institute of Technology

Prepared for:

Defense Atomic Support Agency
Army Engineer Waterways Experiment Station

February 1970

CONTRACT REPORT S-70-2

STUDY OF SOIL BEHAVIOR UNDER HIGH PRESSURE

Report 1, Volume II

RESPONSE OF TWO RECOMPACTED SOILS TO VARIOUS STATES OF STRESS

by

B. B. Mazanti, C. N. Holland

February 1970

Sponsored by Defense Atomic Support Agency

Conducted for U. S. Army Engineer Waterways Experiment Station, Vicksburg, Mississippi

Under Contract No. DACA 39-67-C-0051

By Georgia Institute of Technology, Atlanta, Georgia

ARMY-MRC VICKSBURG, MISS

FOREWORD

This report presents the results of a research project conductd by the Georgia Institute of Technology, Atlanta, Georgia, under the direction of Dr. B. B. Mazanti, Associate Professor of Civil Engineering. Mr. C. N. Holland served as Associate Director of the project.

There are three separate volumes documenting this project. Volume I describes the development of equipment and test procedures, soil analysis and specimen preparation, and analysis of results. Volume II contains the basic results of all tests conducted for this program in the form of stress-strain plots. Volume III contains the numerical tabulation of test data in the form of computer sheet printout. Only a limited number of copies of the Volumes II and III were published; however, interested readers may borrow a copy on 30-day loan from the Research Center Library, Waterways Experiment Station.

The Georgia Institute of Technology has been engaged in research concerned with the effects of high pressure on soil and rock for approximately ten years. During this time period, a considerable amount of equipment and instrumentation has been developed for high pressure testing, financed almost entirely by Georgia Tech. Much of the equipment and instrumentation utilized in the performance of this research was of such origin.

This report was requested and authorized by Mr. J. G. Jackson, Jr., Impulse Loads Section, Soil Dynamics Branch, under the direction of Messrs. W. J. Turnbull and A. A. Maxwell, Chief and Assistant Chief, respectively, Waterways Experiment Station Soils Division. The work was part of Contract No. DACA 39-67-C-0051, Project B-602, and was conducted for the U. S. Army Engineer Waterways Experiment Station, Vicksburg, Mississippi, under Defense Atomic Support Agency sponsorship, during the period November 1967 through November 1968.

Directors of the Waterways Experiment Station during the performance of this work and preparation and publication of this report were COL John R. Oswalt, Jr., CE, and COL Levi A. Brown, CE. Technical Directors were Messrs. J. B. Tiffany and F. R. Brown.

CONTENTS

LIST OF SYMBOLS

p	Hydrostatic Pressure
σ	Normal Stress
σ_1	Major Principal Stress
σ_2	Intermediate Principal Stress
σ_3	Minor Principal Stress
σ_a	Axial Stress
σ_r	Radial Stress
τ	Shear Stress
ϵ	Strain
ϵ_a	Axial Strain
ϵ_r	Radial Strain
ΔV	Volume Change
V_o	Original Volume
$\Delta V/V_o$	Volumetric Strain
K^o	Condition of No-Lateral-Strain

SECTION I

McCORMICK RANCH SAND STRESS-STRAIN PLOTS

Group A

Triaxial Tests

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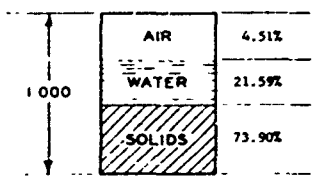
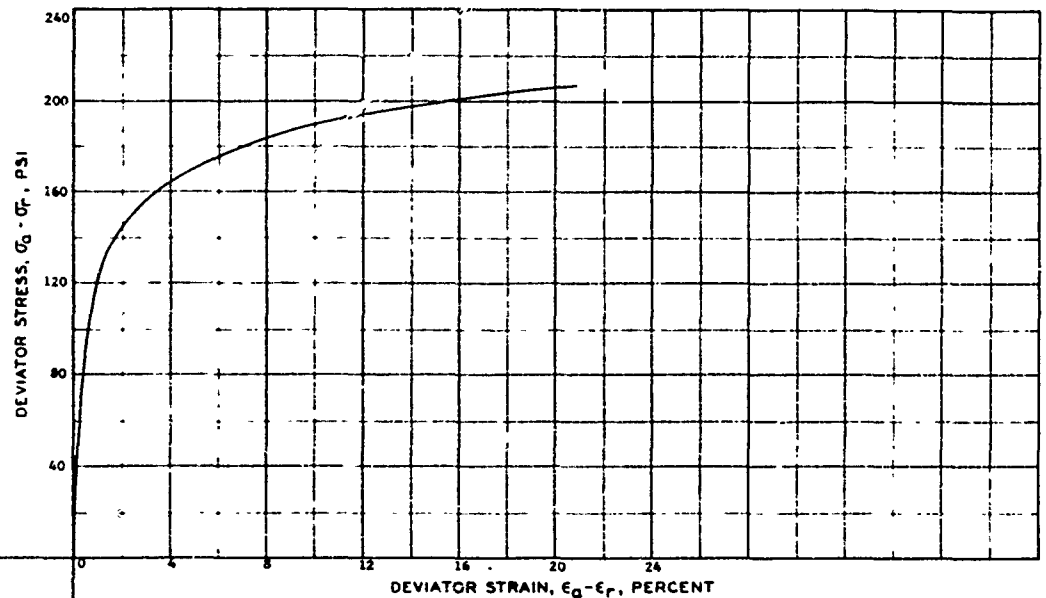
WATER CONTENT	w	10.9%	%
VOID RATIO	e_o	0.35	
SATURATION	S_o	82.72	%
DRY DENSITY	γ_d	123.13	PCF
WET DENSITY	γ	136.60	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_o	3.50	CM
SPECIMEN HEIGHT	H_o	7.54	CM





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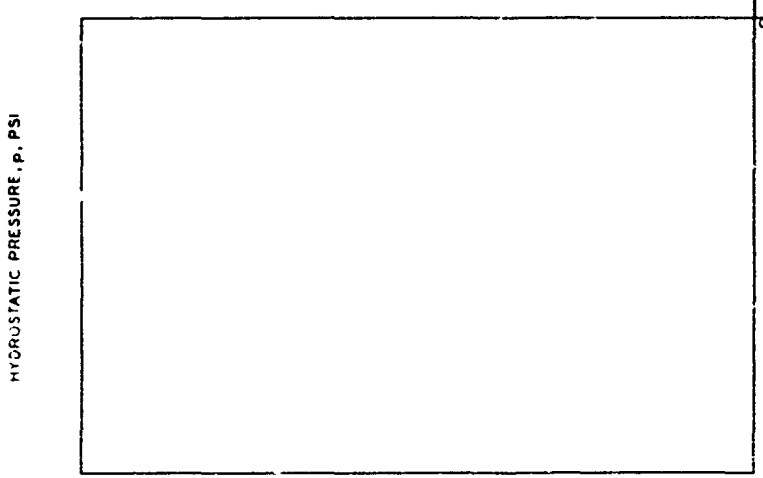
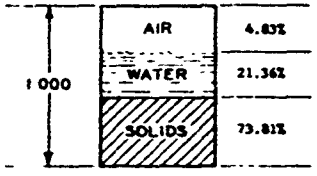


PROJECT Ga Tech B-602;
Contract No. DACA39-67-C-0051
AREA
BORING NO. SAMPLE NO. 68
DEPTH
EL DATE
LL 27 PL 15 PI 12
DESCRIPTION McCormick Ranch Sand

WATER CONTENT	w	10.84	%
VOID RATIO	e_o	0.35	
SATURATION	S_r	81.56	%
DRY DENSITY	γ_d	122.97	PCF
WET DENSITY	γ	136.30	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_o	3.50	CM
SPECIMEN HEIGHT	H_o	7.52	CM



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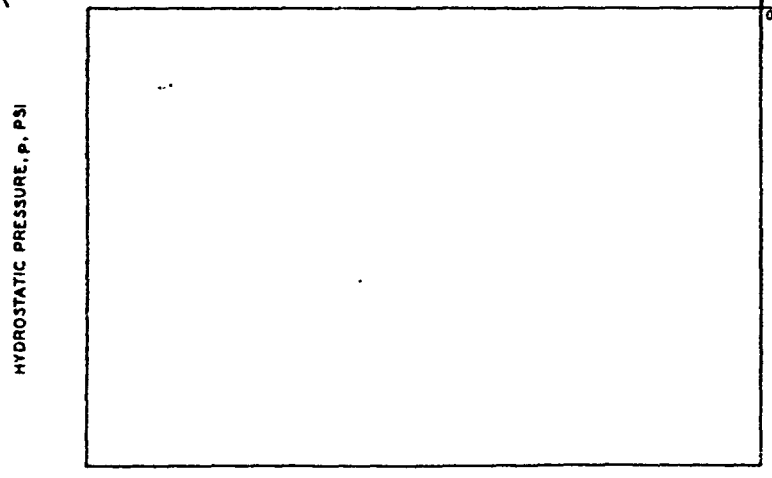

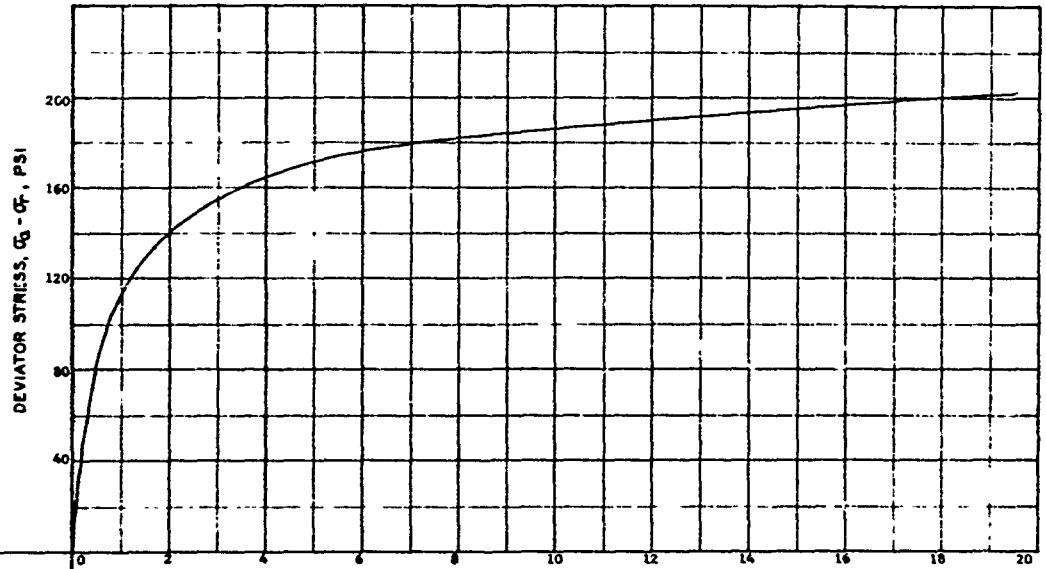

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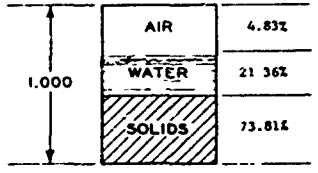
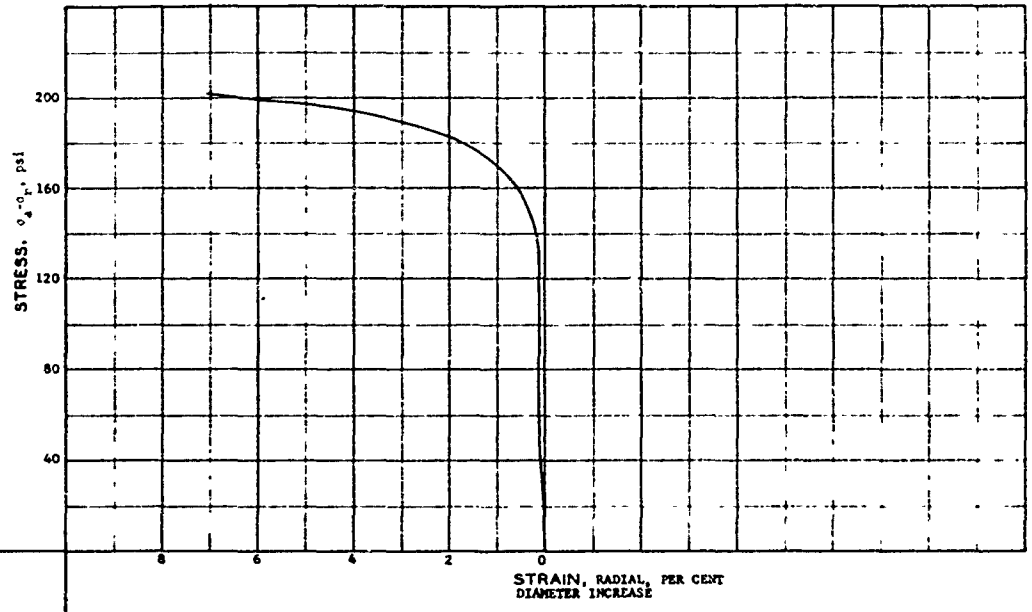
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO	91
DEPTH		DATE	
EL			
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	w	10.84	%
VOID RATIO	e_0	0.35	
SATURATION	S_0	81.56	%
DRY DENSITY	γ_d	122.97	PCF
WET DENSITY	γ	136.30	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.52	CM





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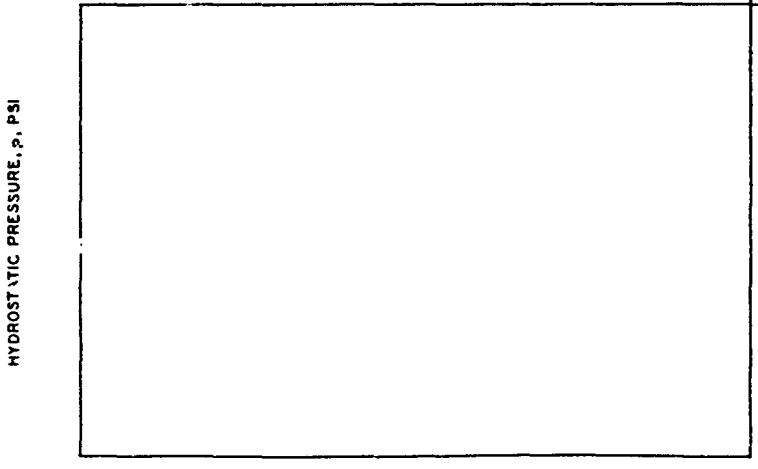


PROJECT Ca Tech B-602;
Contract No. DACA 39-67-C-0051

AREA

BORING NO. | SAMPLE NO 91

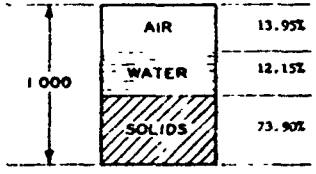
DEPTH | DATE

EL

LL 27 | PL 15 | PI 12

DESCRIPTION McCormick Ranch Sand

WATER CONTENT	w	6.16	%
VOID RATIO	e_0	0.35	
SATURATION	S_0	46.55	%
DRY DENSITY	γ_d	123.13	PCF
WET DENSITY	γ	130.7113	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_c	3.51	CM
SPECIMEN HEIGHT	H_0	7.53	CM



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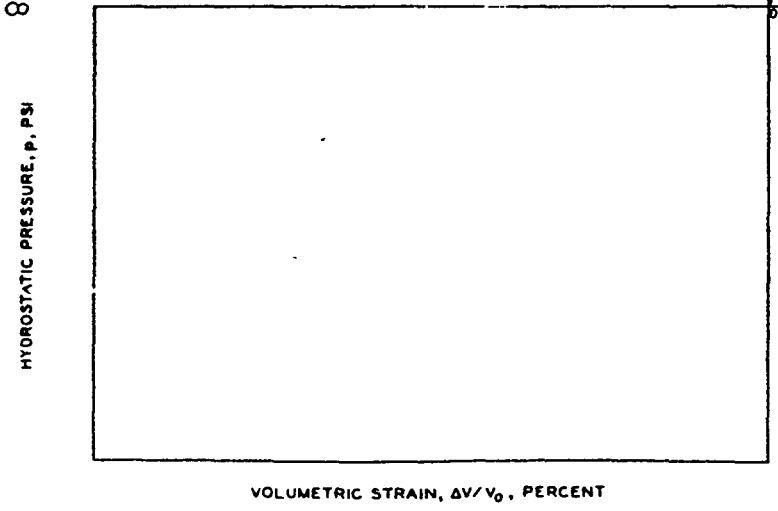

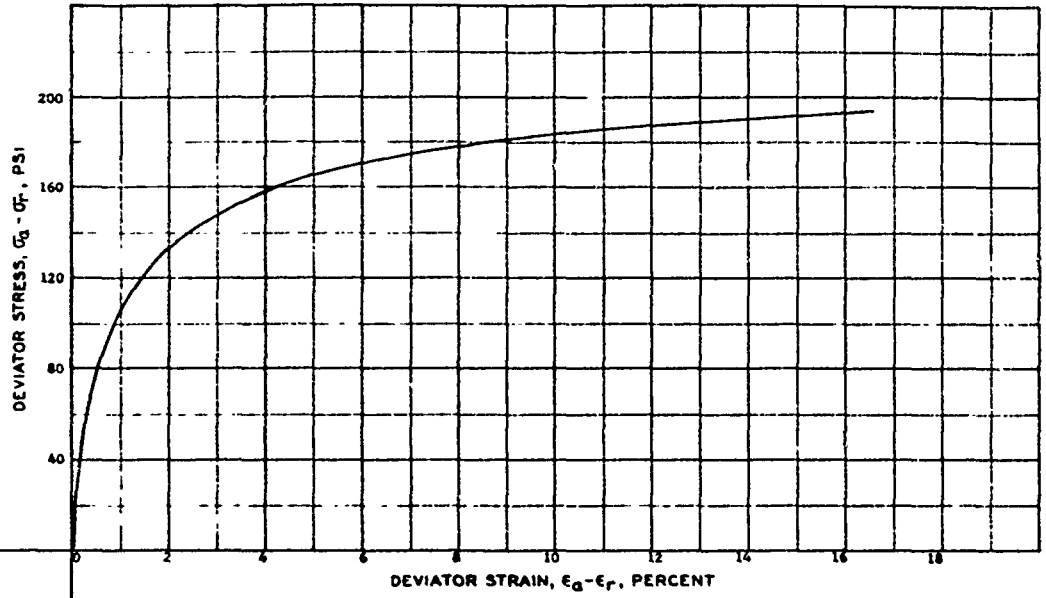

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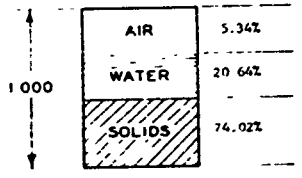
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	97
DEPTH / EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	w	10.44	%
VOID RATIO	e_o	0.35	
SATURATION	S_o	79 44	%
DRY DENSITY	γ_d	123.33	PCF
WET DENSITY	γ	136.21	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_o	3.51	CM
SPECIMEN HEIGHT	H_o	7.53	CM



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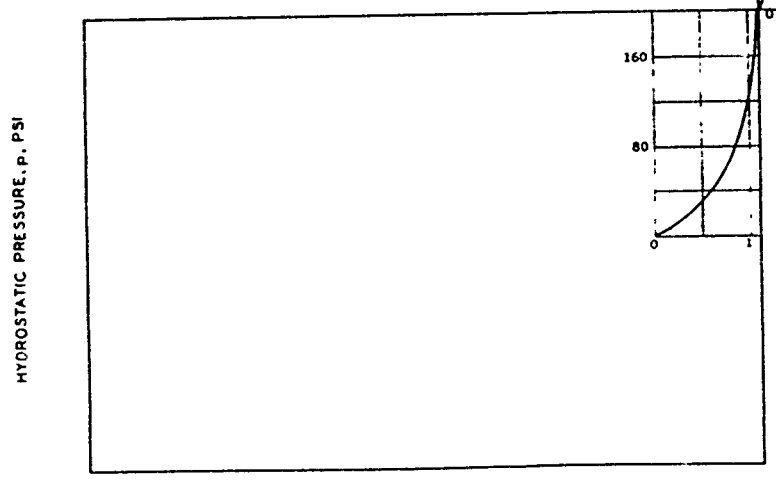

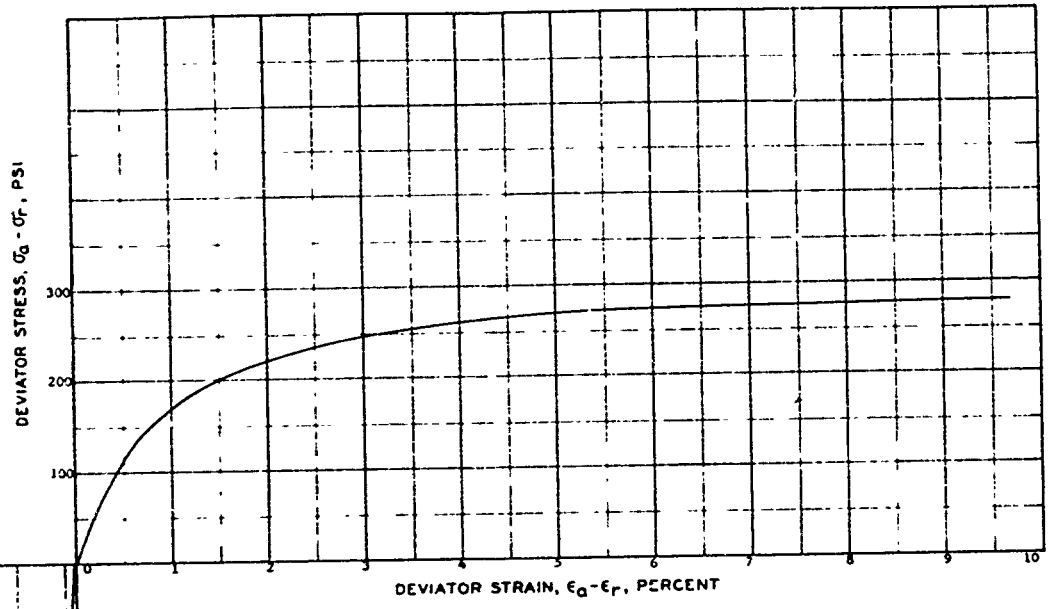

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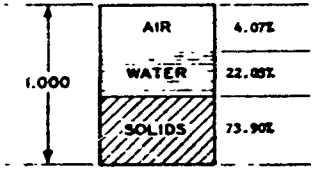
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO		SAMPLE NO.	75
DEPTH		DATE	
EL			
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	w	11.16	%
VOID RATIO	e_0	0.3532	
SATURATION	S_0	84.41	%
DRY DENSITY	γ_d	123.12	PCF
WET DENSITY	γ	136.87	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.55	CM



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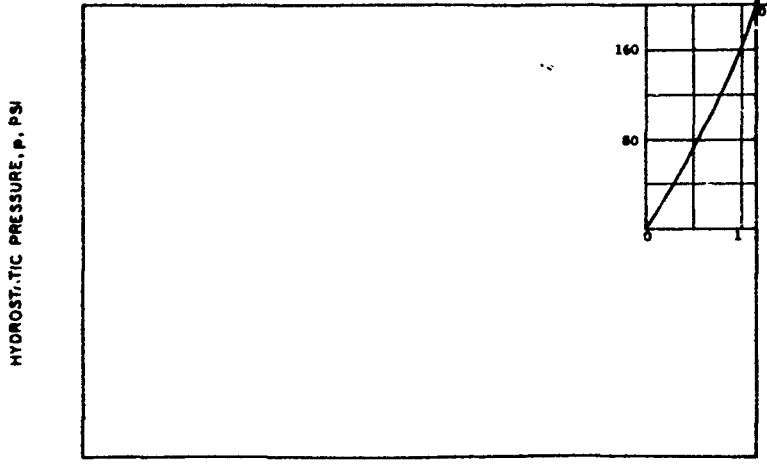
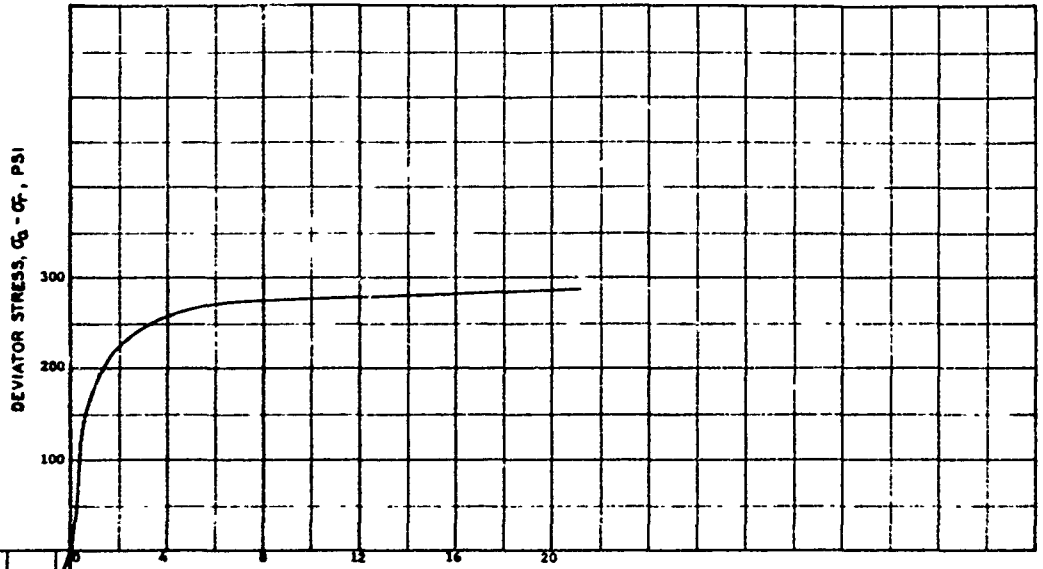


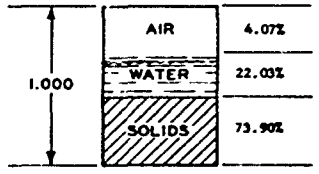


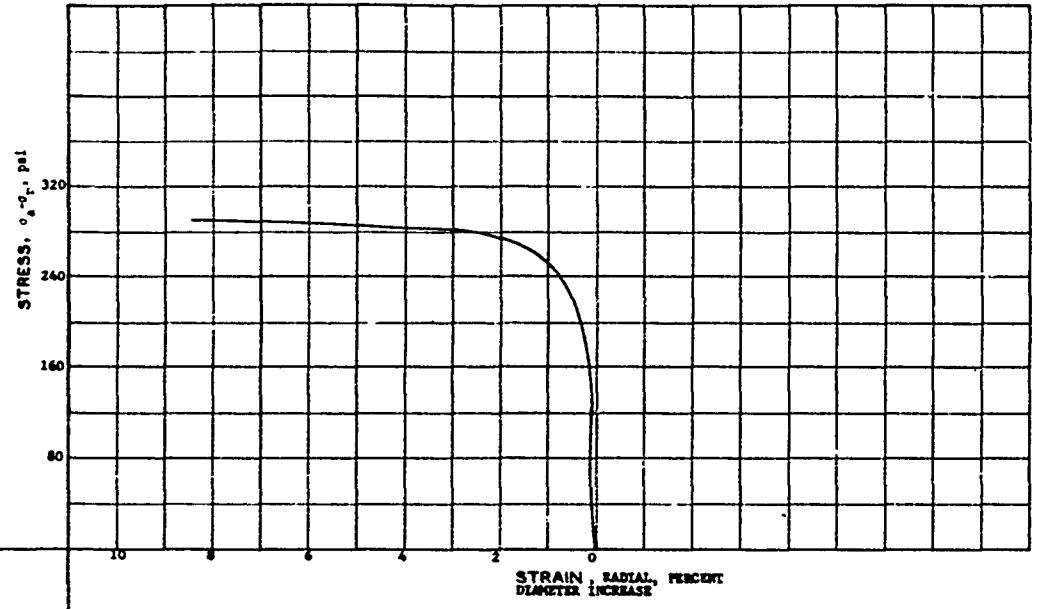
TRIAXIAL SHEAR PHASE

PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO. / DEPTH / EL.		SAMPLE NO. 77 / DATE	
LL 27	PL 15	PI 12	
DESCRIPTION	McCormick Ranch Sand		

10

WATER CONTENT	w	11.16 %
VOID RATIO	e_0	0.3532
SATURATION	S_0	84.41 %
DRY DENSITY	γ_d	123.12 PCF
WET DENSITY	γ	136.87 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	1.50 CM
SPECIMEN HEIGHT	H_0	7.55 CM





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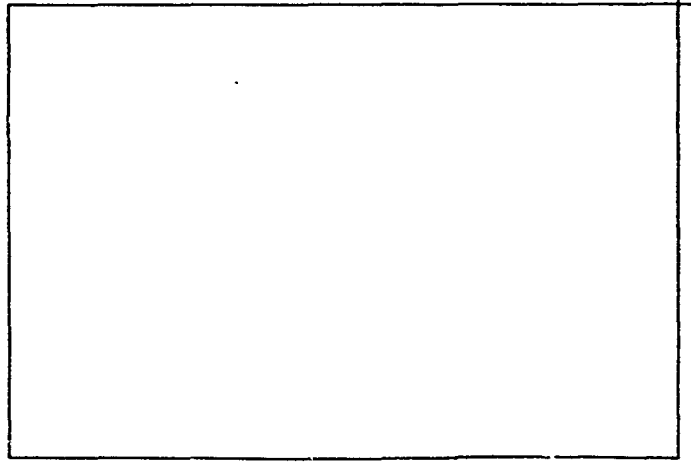
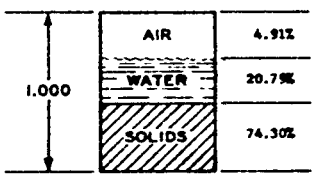


PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 77
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	

WATER CONTENT	w	10.48	%
VOID RATIO	e_0	0.35	
SATURATION	S_0	80.91	%
DRY DENSITY	γ_d	123.80	PCF
WET DENSITY	γ	136.77	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7.52	CM



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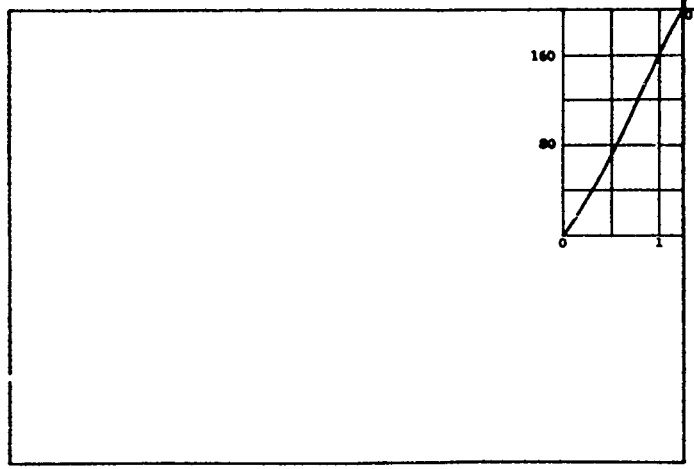

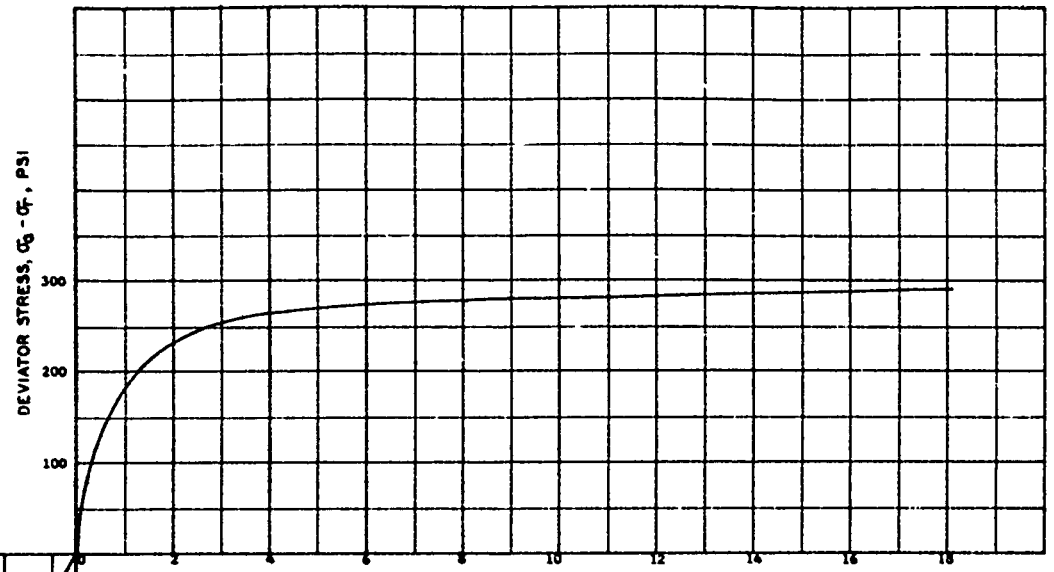

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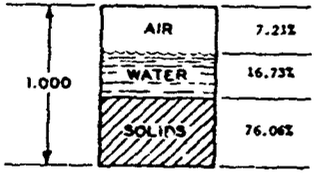
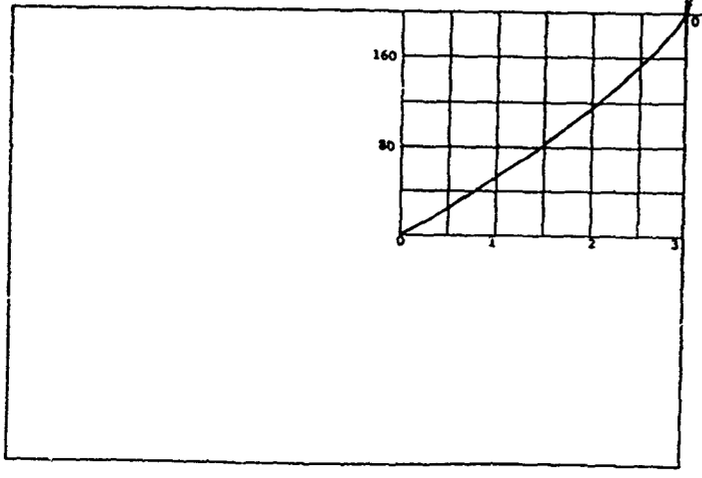
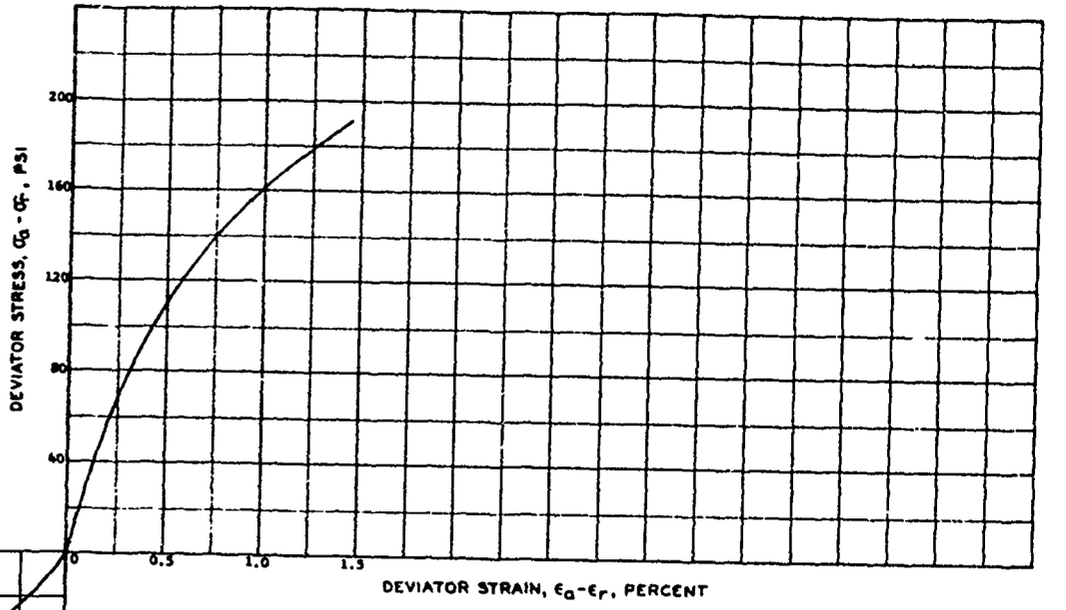
PROJECT: Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 82
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION: McCormick Ranch Sand		

WATER CONTENT	w	8.24	%
VOID RATIO	e_0	0.31	
SATURATION	S_0	69.88	%
DRY DENSITY	γ_d	126.72	PCF
WET DENSITY	γ	137.17	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.53	CM

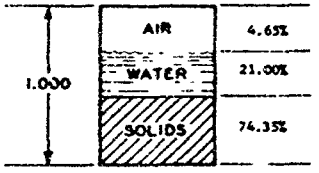






PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	86
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	w	10.58	%
VOID RATIO	e_0	0.34	
SATURATION	S_0	81.88	%
DRY DENSITY	γ_d	123.87	PCF
WET DENSITY	γ	136.98	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.53	CM



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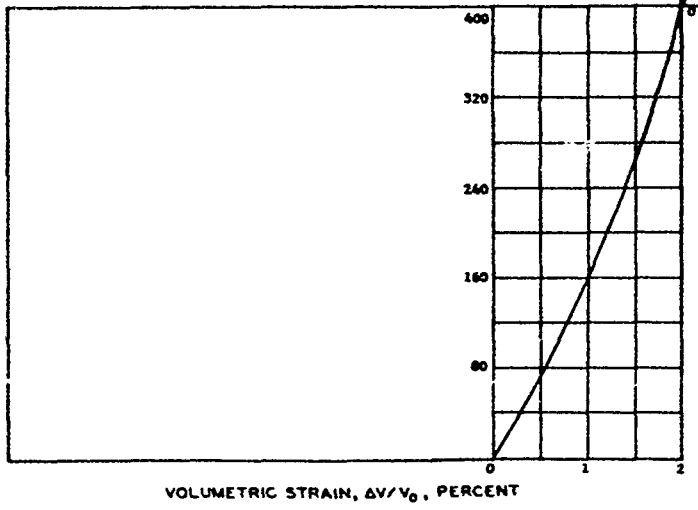

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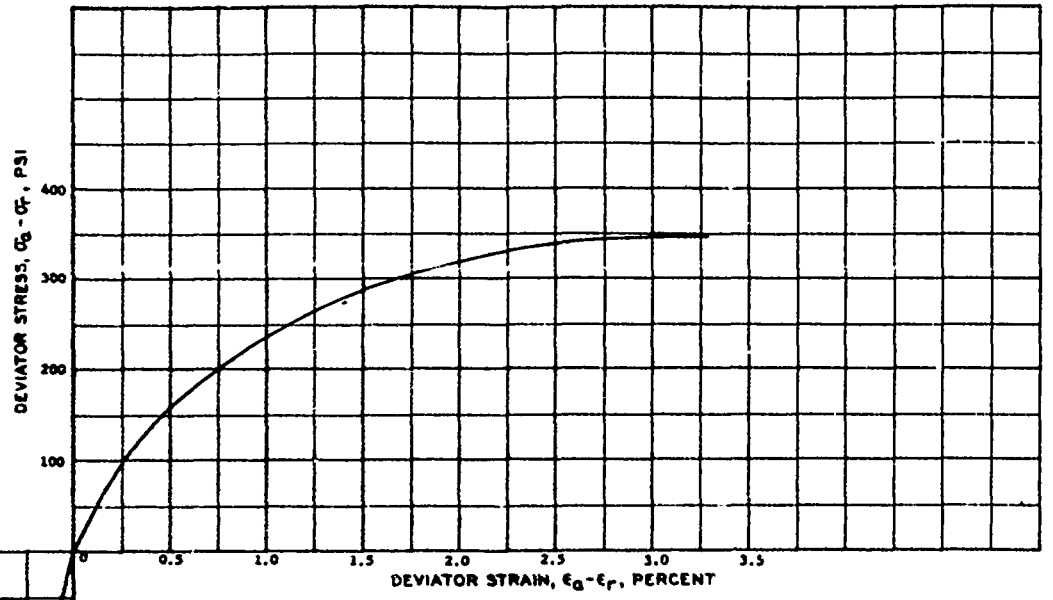
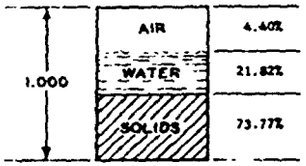


PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	85
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	w	11.08	%
VOID RATIO	e_0	0.36	
SATURATION	S_0	83.21	%
DRY DENSITY	γ_d	122.91	PCF
WET DENSITY	γ	136.53	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7.23	CM



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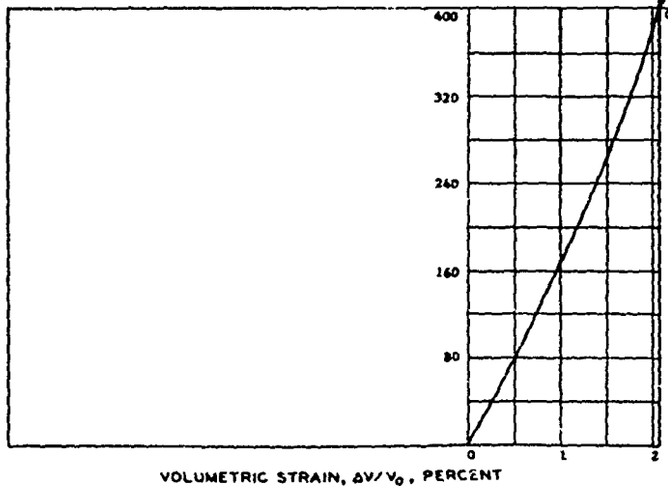
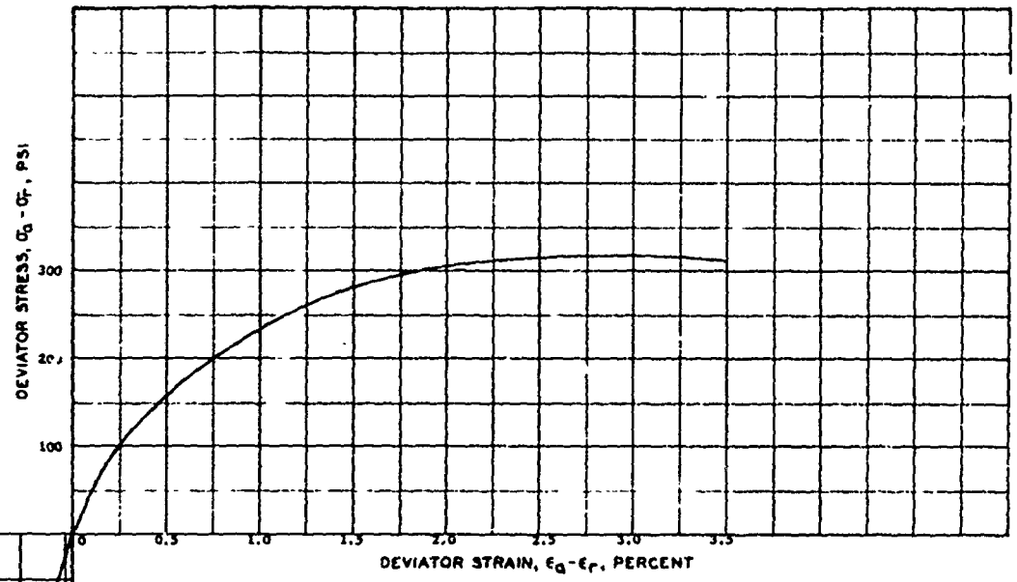
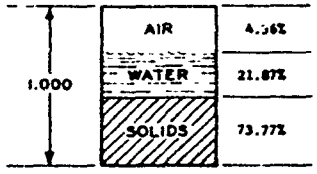




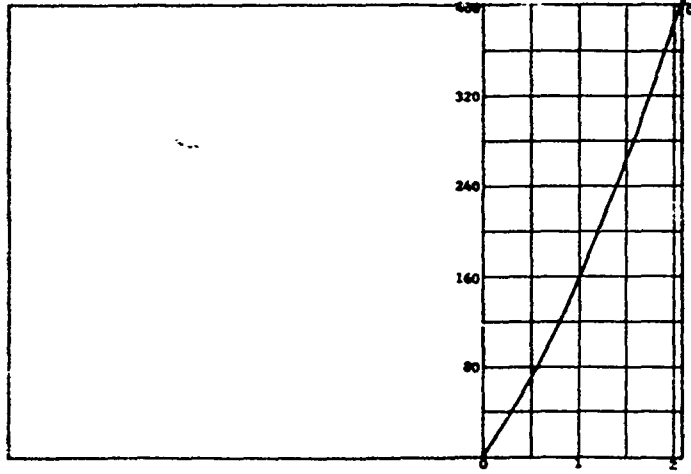
TRIAXIAL SHEAR PHASE

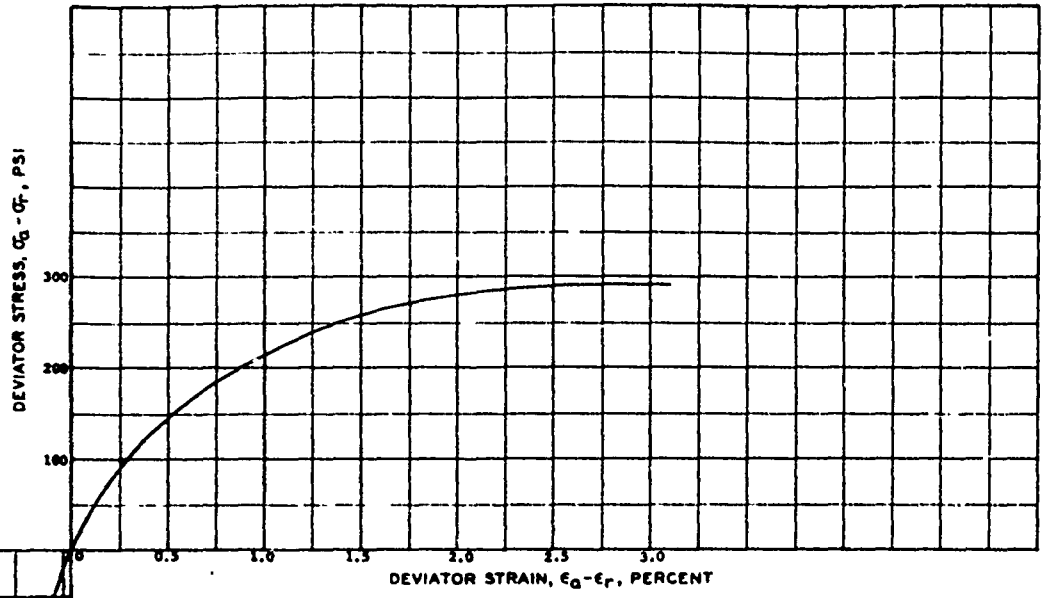
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0031		
AREA			
BORING NO.		SAMPLE NO.	47
DEPTH / EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	w	11.10	%
VOID RATIO	e_o	0.36	
SATURATION	S_s	83.38	%
DRY DENSITY	γ_d	122.91	PCF
WET DENSITY	γ	136.55	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_o	3.51	CM
SPECIMEN HEIGHT	H_o	7.53	CM



HYDROSTATIC COMPRESSION PHASE

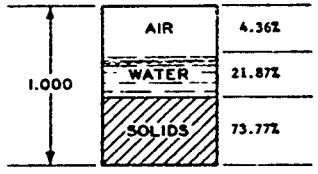


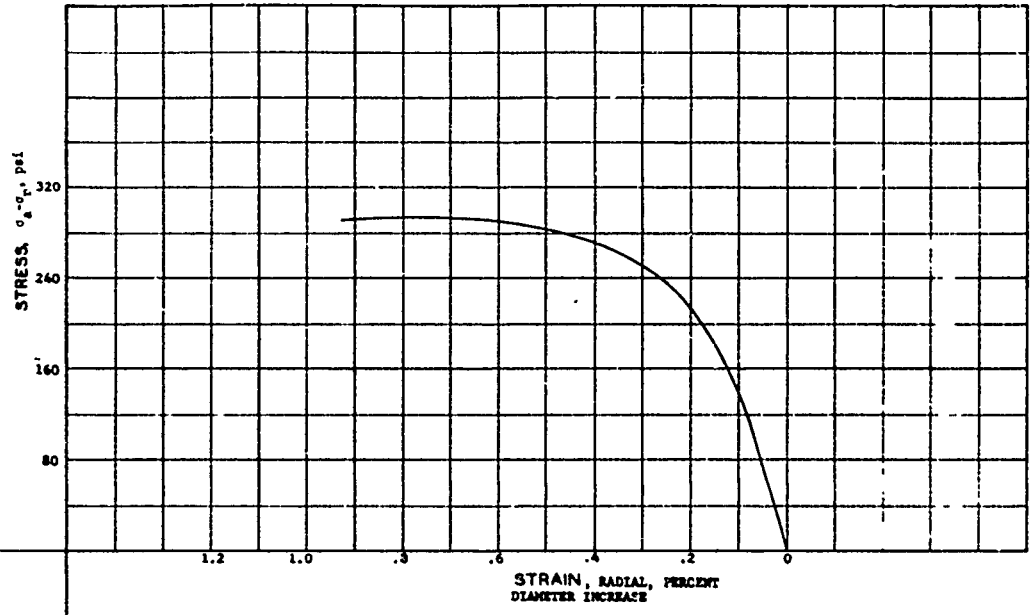


TRIAXIAL SHEAR PHASE

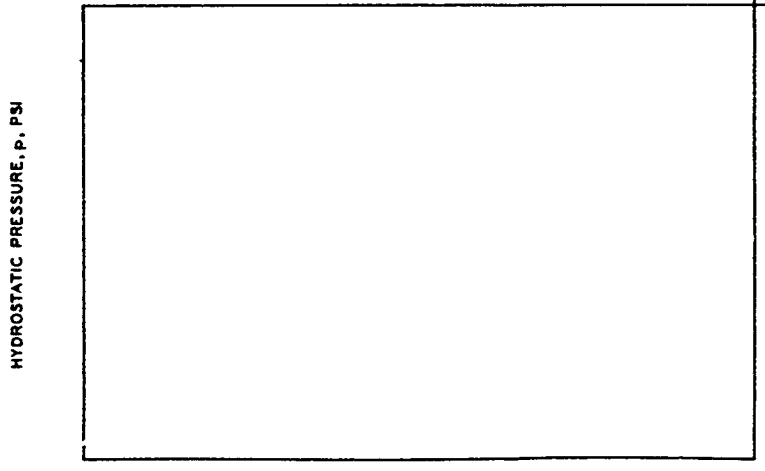
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	69
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	w	11.10	%
VOID RATIO	e_0	0.36	
SATURATION	S_0	83.38	%
DRY DENSITY	γ_d	122.91	PCF
WET DENSITY	γ	136.55	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7.53	CM



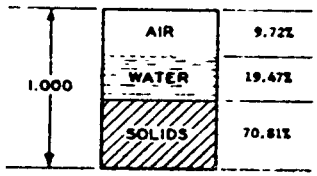


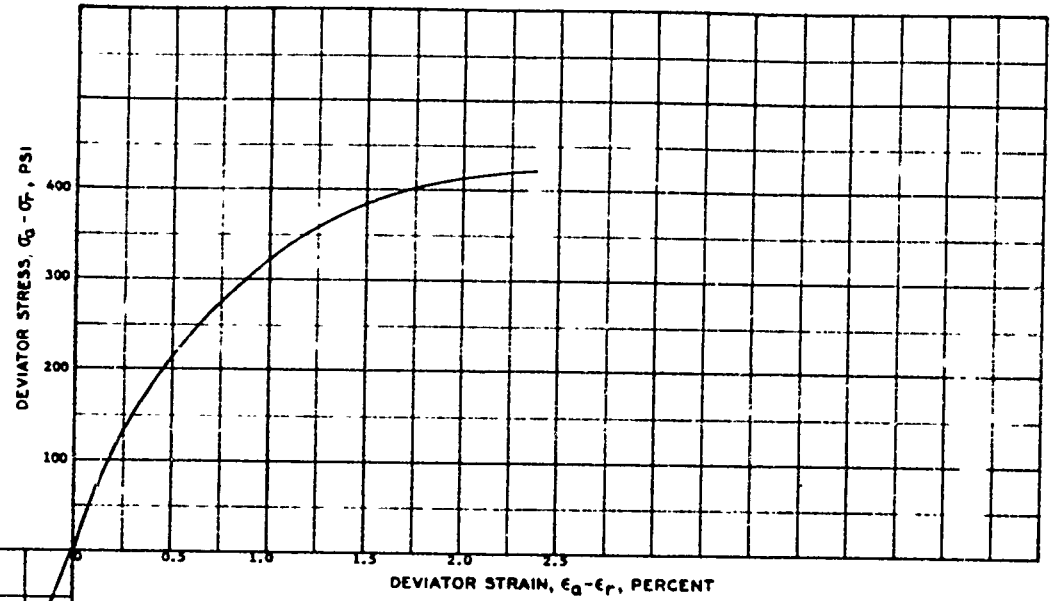
HYDROSTATIC COMPRESSION PHASE



PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 89
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	

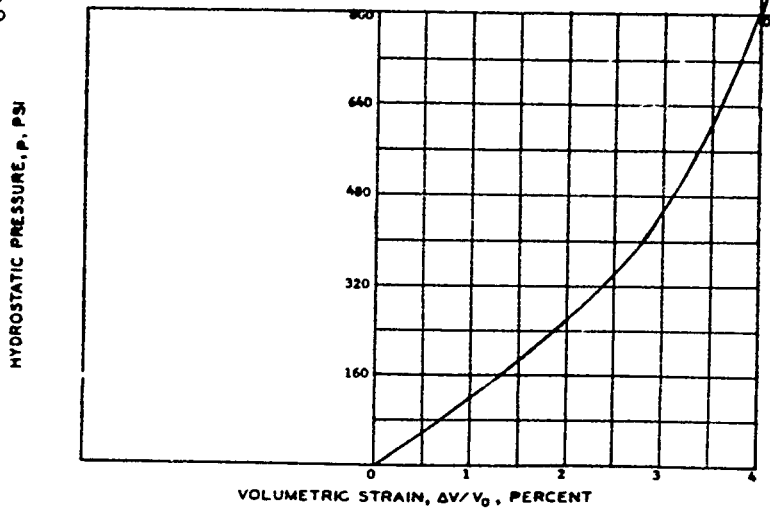
WATER CONTENT	w	10 30	%
VOID RATIO	e_0	0.41	
SATURATION	S_0	66.70	%
DRY DENSITY	γ_d	117.98	PCF
WET DENSITY	γ	130.13	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.52	CM
SPECIMEN HEIGHT	H_0	7.80	CM





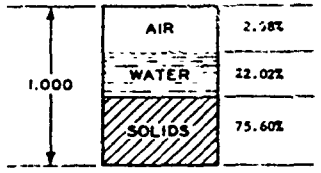
TRIAXIAL SHEAR PHASE

HYDROSTATIC COMPRESSION PHASE

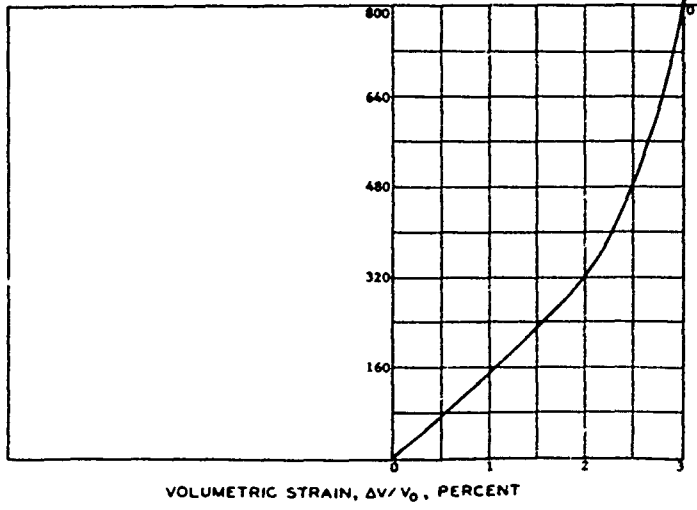


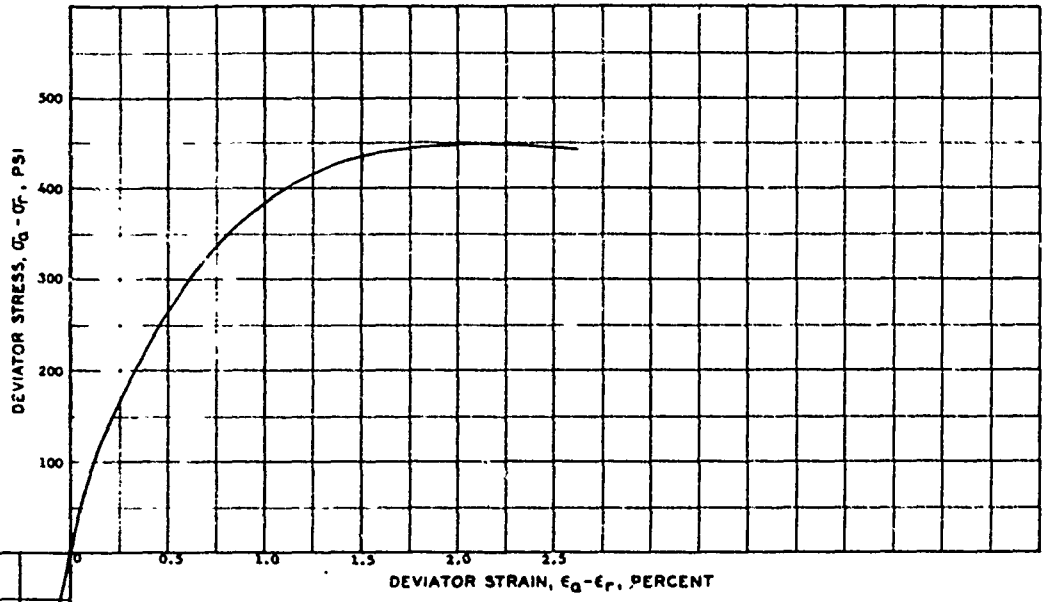
PROJECT	Ga Tech B-f-02, Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO. 15	
DEPTH EL		DATE	
LL 27	PL 15	PI 12	
DESCRIPTION McCormick Ranch Sand			

WATER CONTENT	w	10.91	%
VOID RATIO	e_0	0.32	
SATURATION	S_0	90.75	%
DRY DENSITY	γ_d	125.95	PCF
WET DENSITY	γ	139.69	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.46	CM
SPECIMEN HEIGHT	H_0	7.55	CM



HYDROSTATIC COMPRESSION PHASE

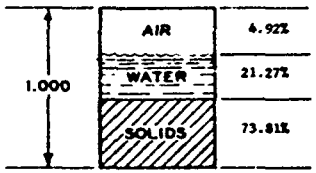




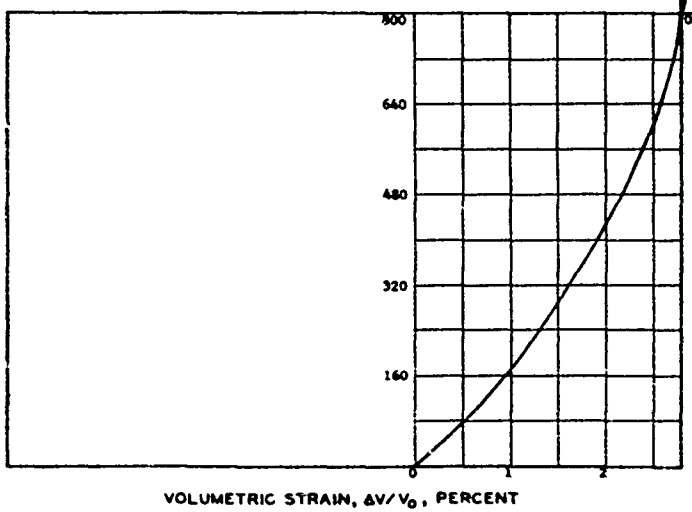
TRIAXIAL SHEAR PHASE

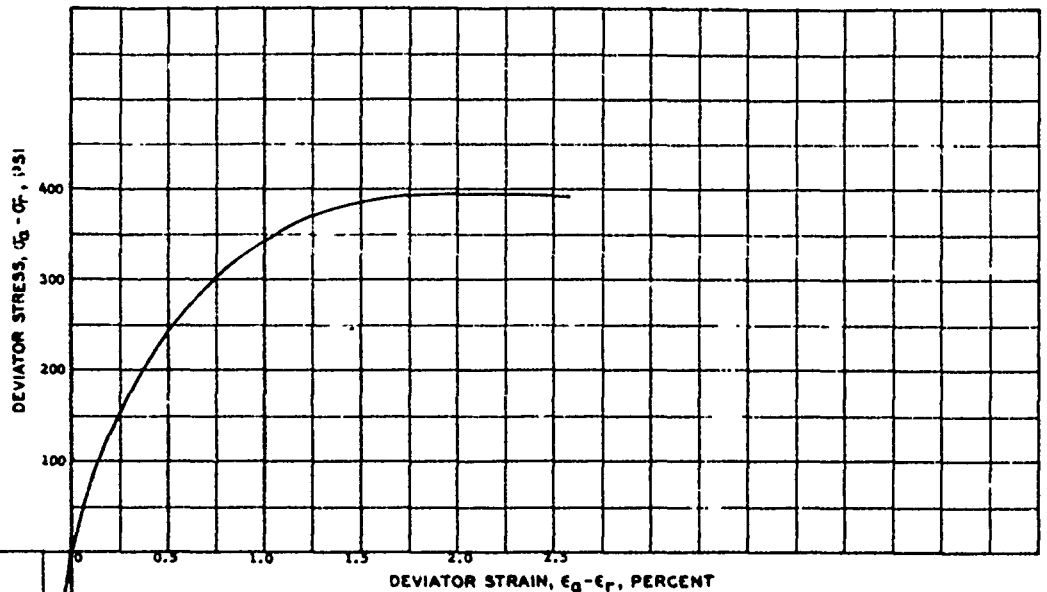
PROJECT	Ga Tech B-602;		
	Contract No. DACA39-67-C-0031		
AREA			
BORING NO. DEPTH EL		SAMPLE NO. 49 DATE	
LL 27	PL 15	PI 12	
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	w	10.79	%
VOID RATIO	e_0	0.35	
SATURATION	S_0	81.22	%
DRY DENSITY	γ_d	122.97	PCF
WET DENSITY	γ	136.24	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.56	CM



HYDROSTATIC COMPRESSION PHASE

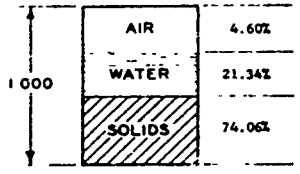


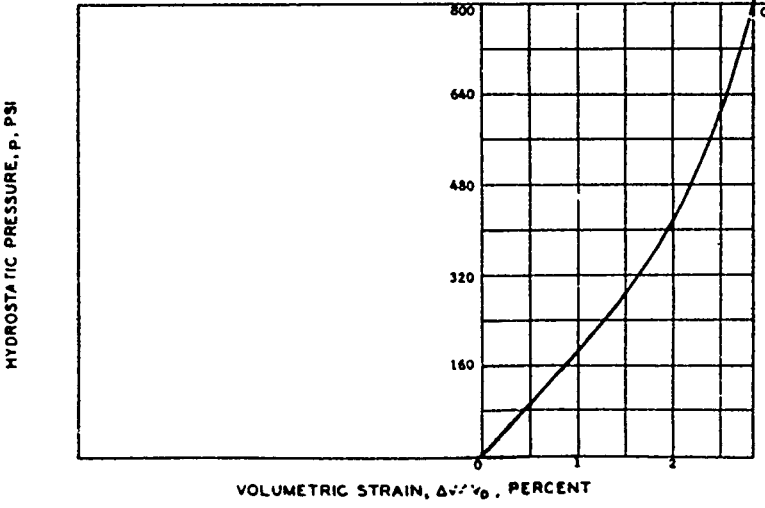


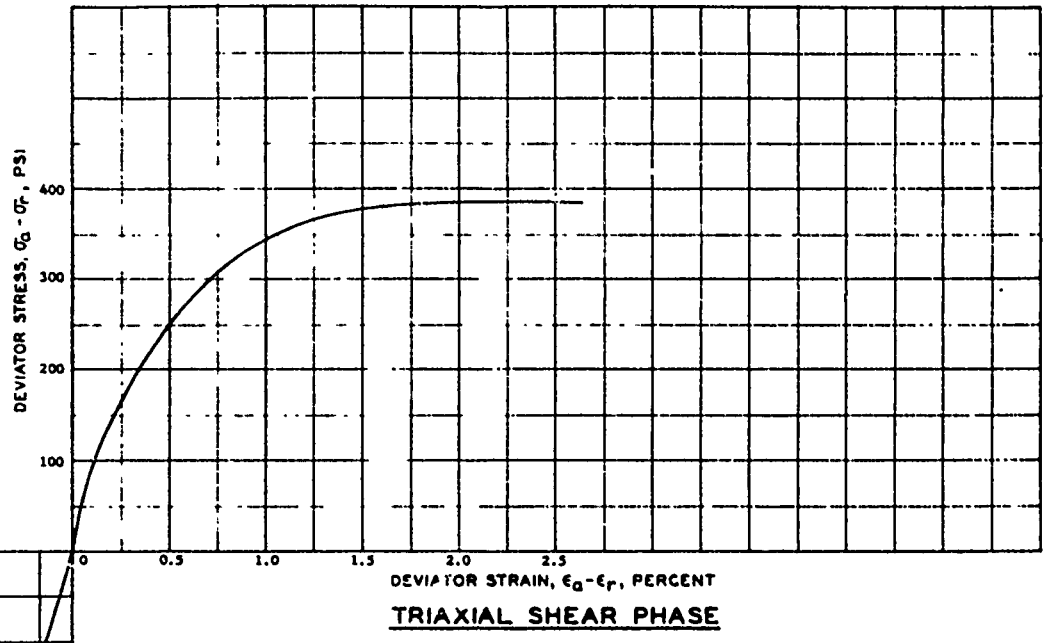
TRIAXIAL SHEAR PHASE

PROJECT: Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 70	
DEPTH / EL.	DATE	
LL 27	PL 15	PI 12
DESCRIPTION: McCormick Ranch Sand		

WATER CONTENT	w	10.79 %
VOID RATIO	e_0	0.35
SATURATION	S_0	82.28 %
DRY DENSITY	γ_d	123.39 PCF
WET DENSITY	γ	136.71 PCF
SPECIFIC GRAVITY	G_s	2 67
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.54 CM

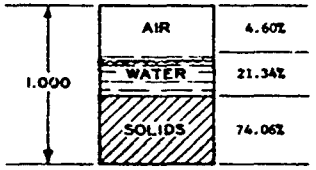


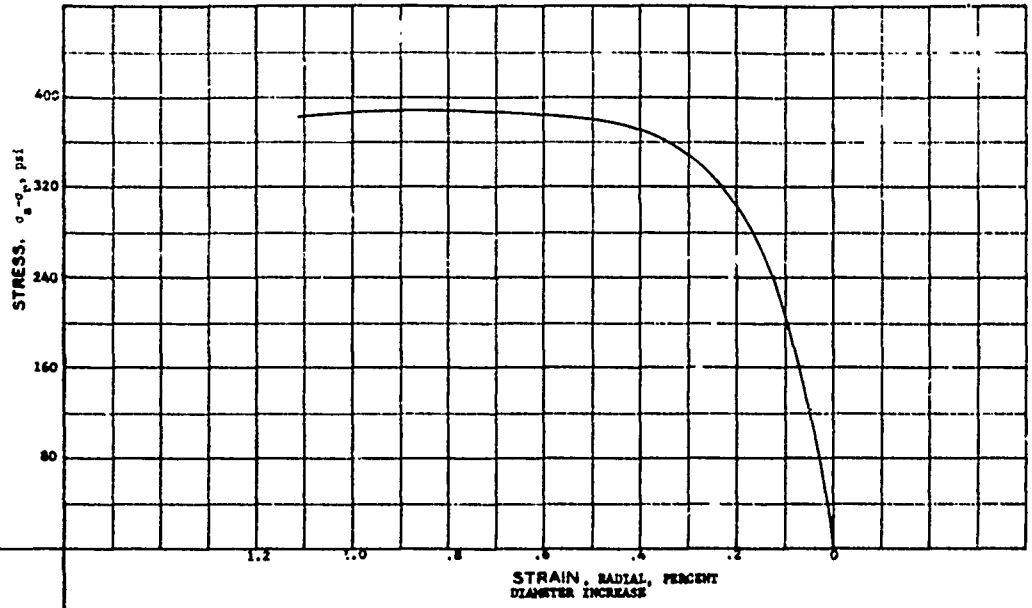




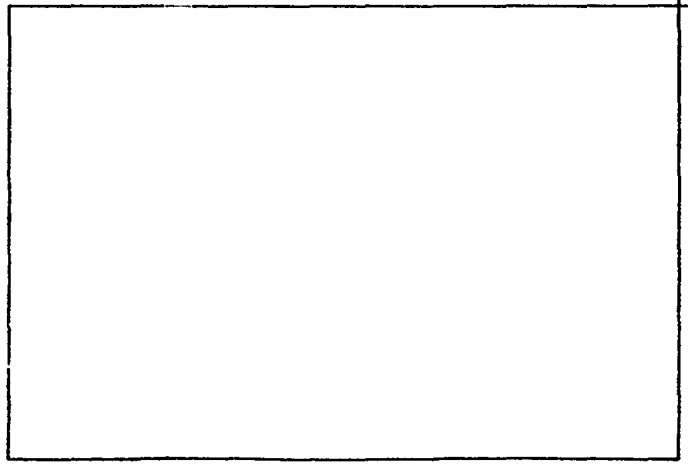
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	71
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	W	10.79	%
VOID RATIO	e_o	0.35	
SATURATION	S_o	82.28	%
DRY DENSITY	γ_d	123.39	PCF
WET DENSITY	γ	136.71	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_o	3.50	CM
SPECIMEN HEIGHT	H_o	7.54	CM



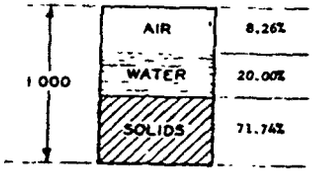


HYDROSTATIC COMPRESSION PHASE

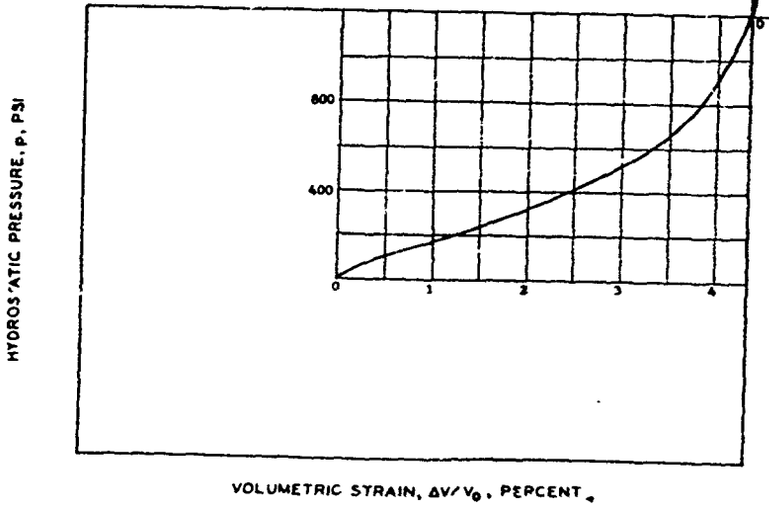


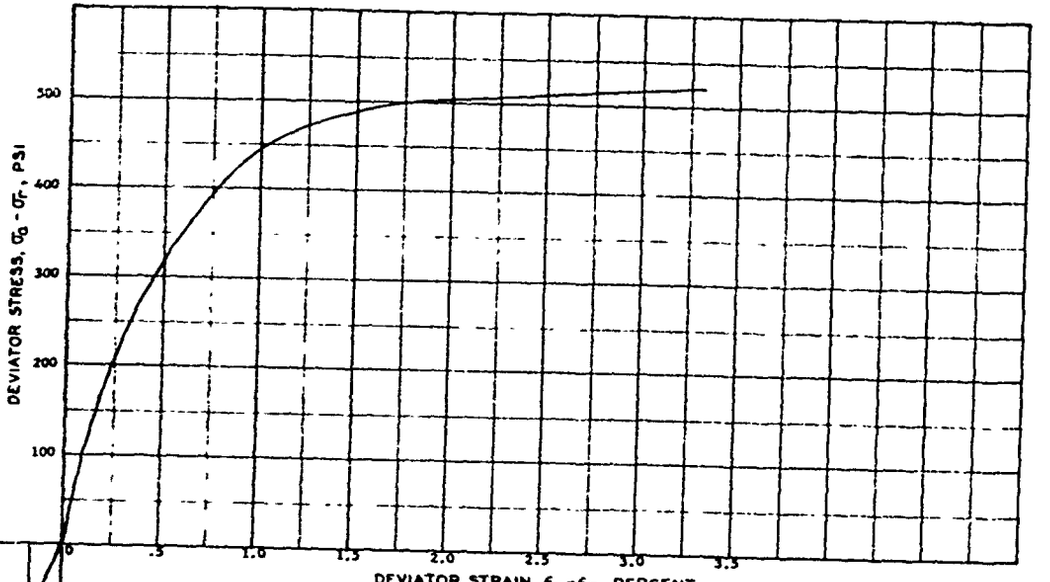
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO. 71	
DEPTH EL.		DATE	
LL 27	PL 15	PI 12	
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	w	10.44	%
VOID RATIO	e_0	0.39	
SATURATION	S_0	70.78	%
DRY DENSITY	γ_d	119.53	PCF
WET DENSITY	γ	132.01	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.79	CM



HYDROSTATIC COMPRESSION PHASE

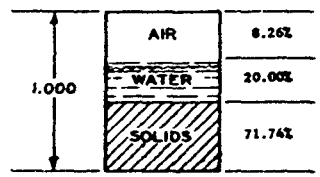


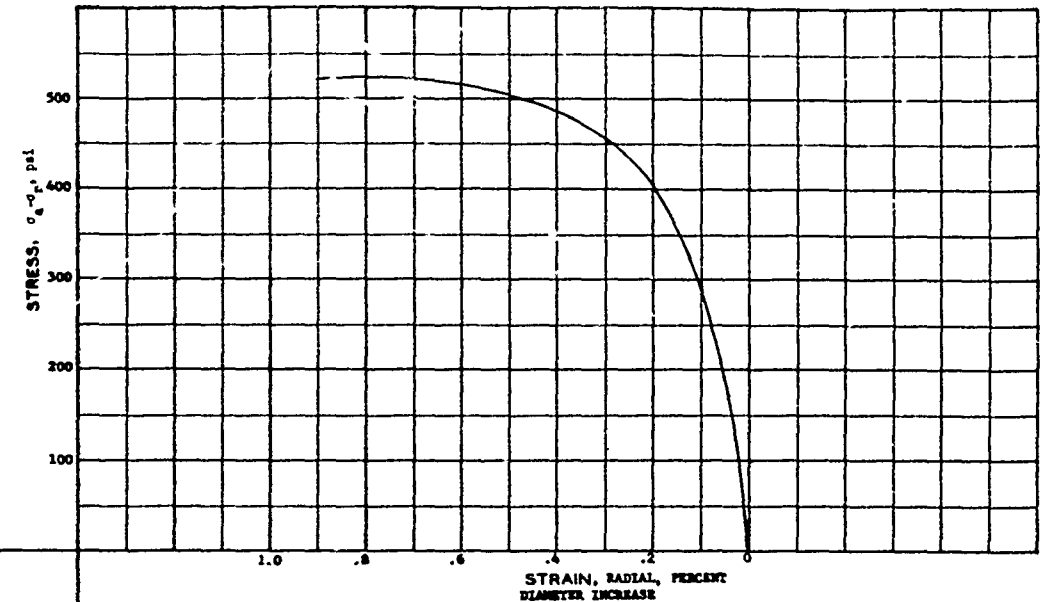


TRIAXIAL SHEAR PHASE

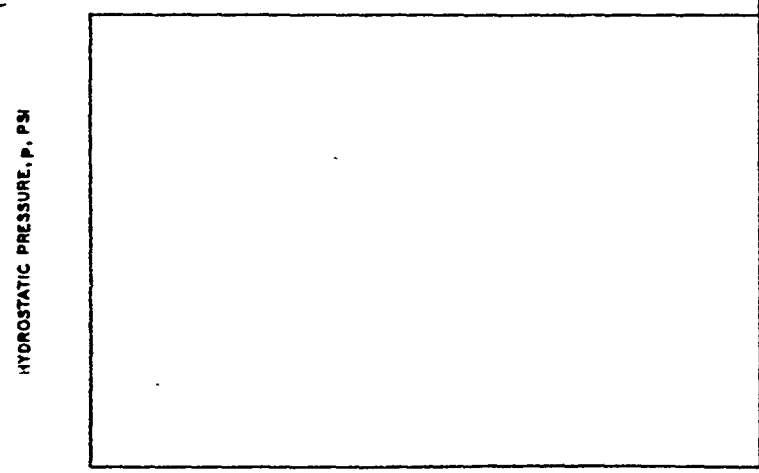
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO. / DEPTH / EL		SAMPLE NO	16
		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	w	10.44	%
VOID RATIO	e_o	0.39	
SATURATION	S_o	70.78	%
DRY DENSITY	γ_d	119.53	PCF
WET DENSITY	γ	132.01	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_o	3.50	CM
SPECIMEN HEIGHT	H_o	7.79	CM



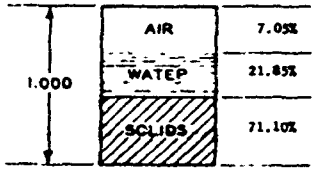


HYDROSTATIC COMPRESSION PHASE

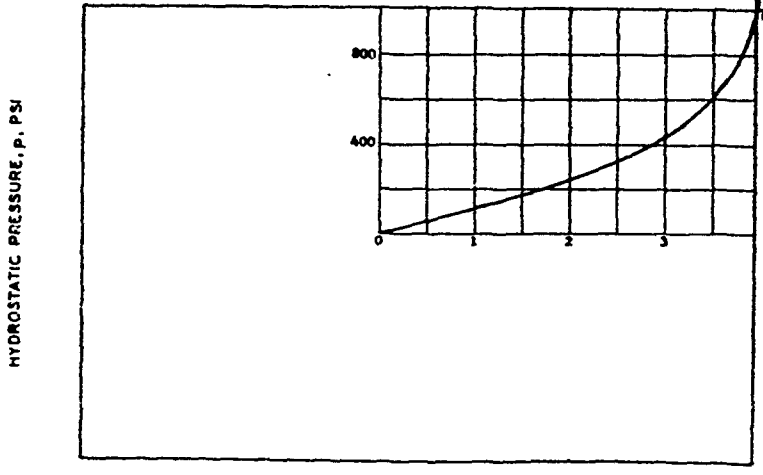


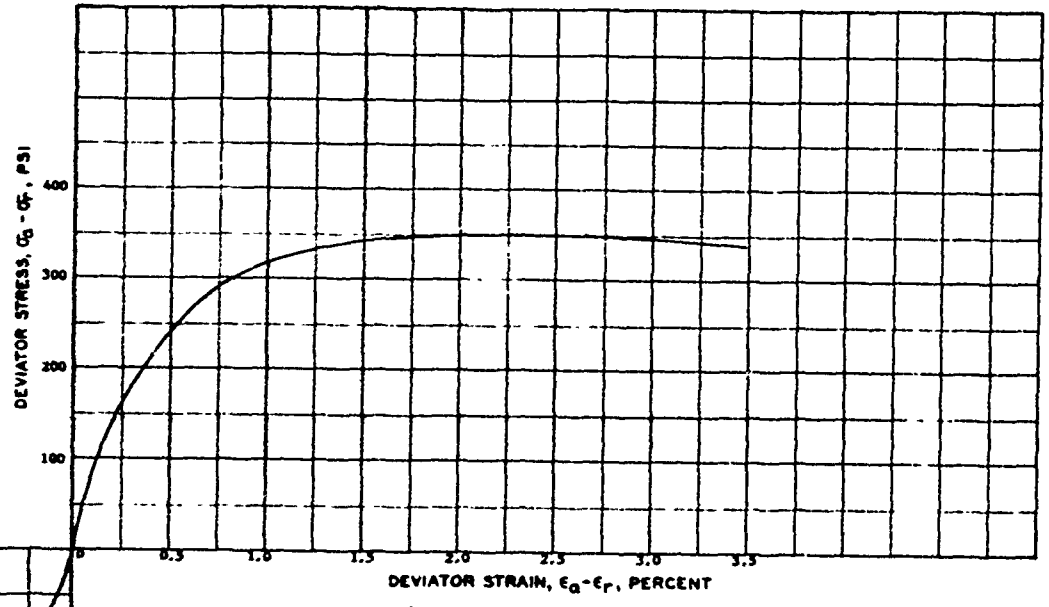
PROJECT	Ga Tech B-602;	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 16
DEPTH EL.		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	

WATER CONTENT	w	11.51 %
VOID RATIO	e_0	0.41
SATURATION	S_0	75.60 %
DRY DENSITY	γ_d	118.46 PCF
WET DENSITY	γ	132.09 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.83 CM



HYDROSTATIC COMPRESSION PHASE

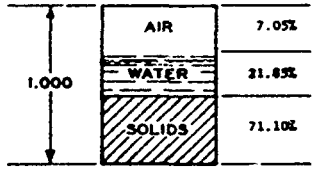


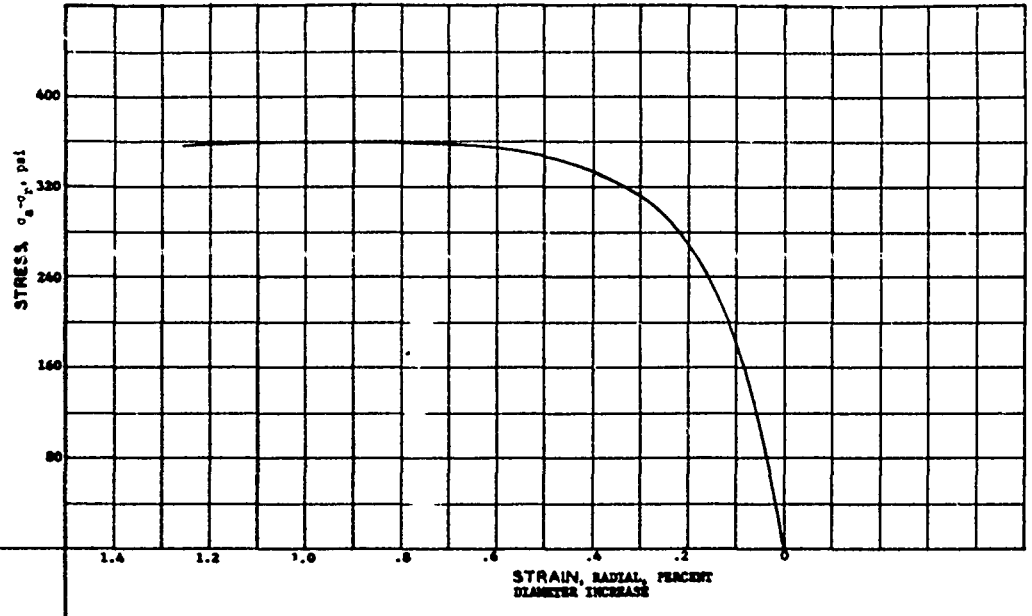


TRIAXIAL SHEAR PHASE

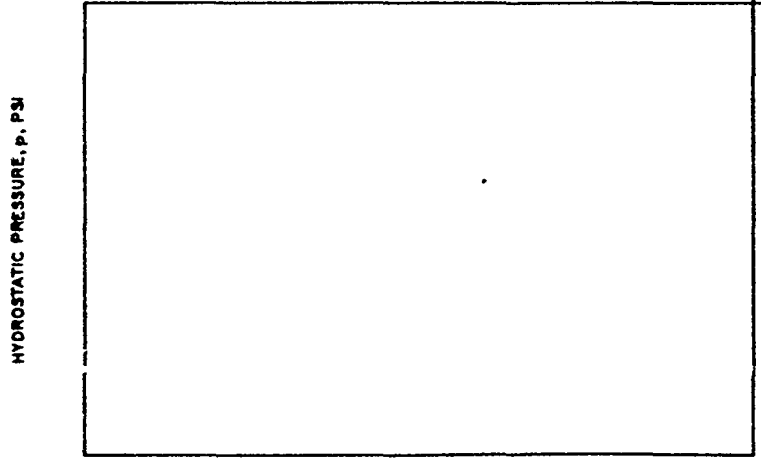
PROJECT: Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA		
BORING NO. / DEPTH / EL		SAMPLE NO. 27 / DATE
LL 27	PL 15	PI 12
DESCRIPTION: McCormick Ranch Sand		

WATER CONTENT	w	11.51	%
VOID RATIO	e_0	0.41	
SATURATION	S_0	75.60	%
DRY DENSITY	γ_d	118.46	PCF
WET DENSITY	γ	132.09	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.83	CM



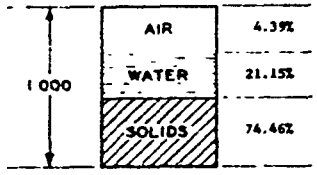


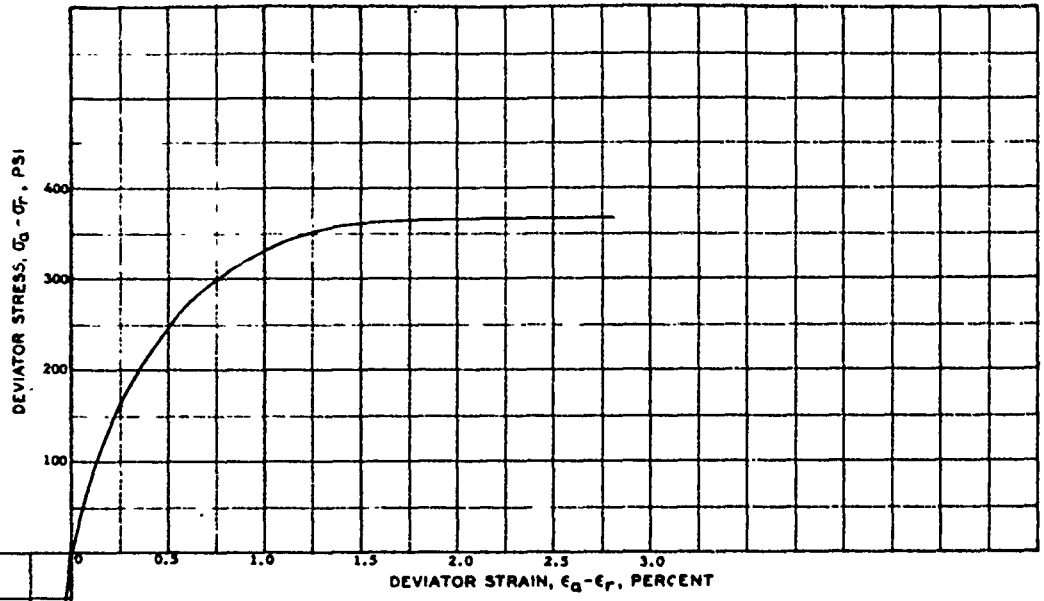
HYDROSTATIC COMPRESSION PHASE



PROJECT	Ga Tech B-602;	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 27
DEPTH EL.		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	

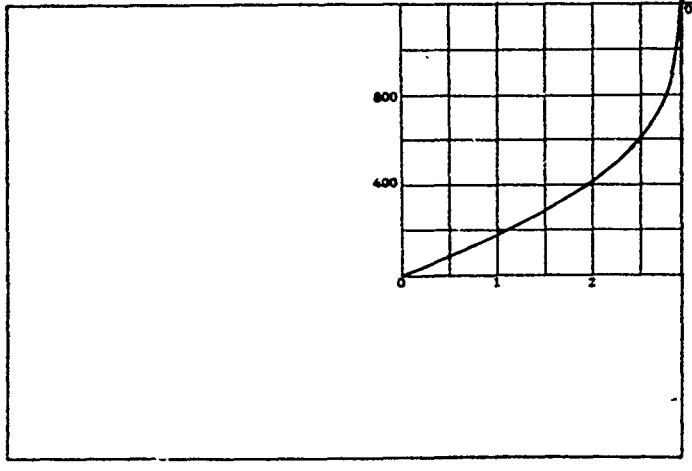
WATER CONTENT	w	10.64 %
VOID RATIO	e_0	0.34
SATURATION	S_0	82.81 %
DRY DENSITY	γ_d	124.05 PCF
WET DENSITY	γ	137.25 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.55 CM





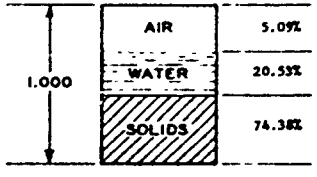
TRIAXIAL SHEAR PHASE

HYDROSTATIC COMPRESSION PHASE

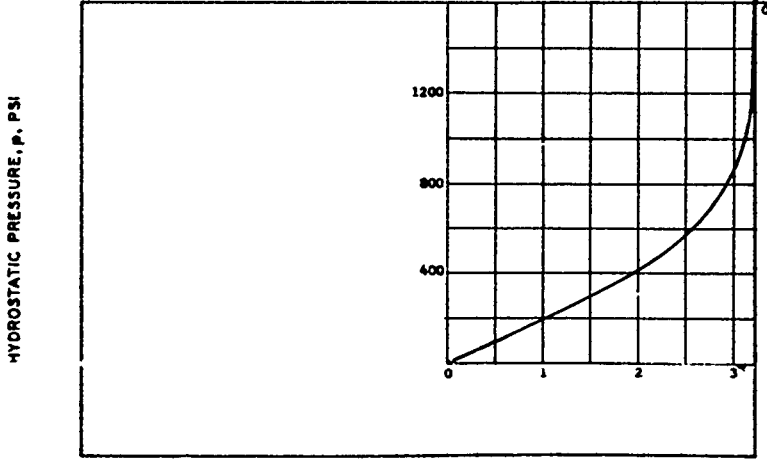


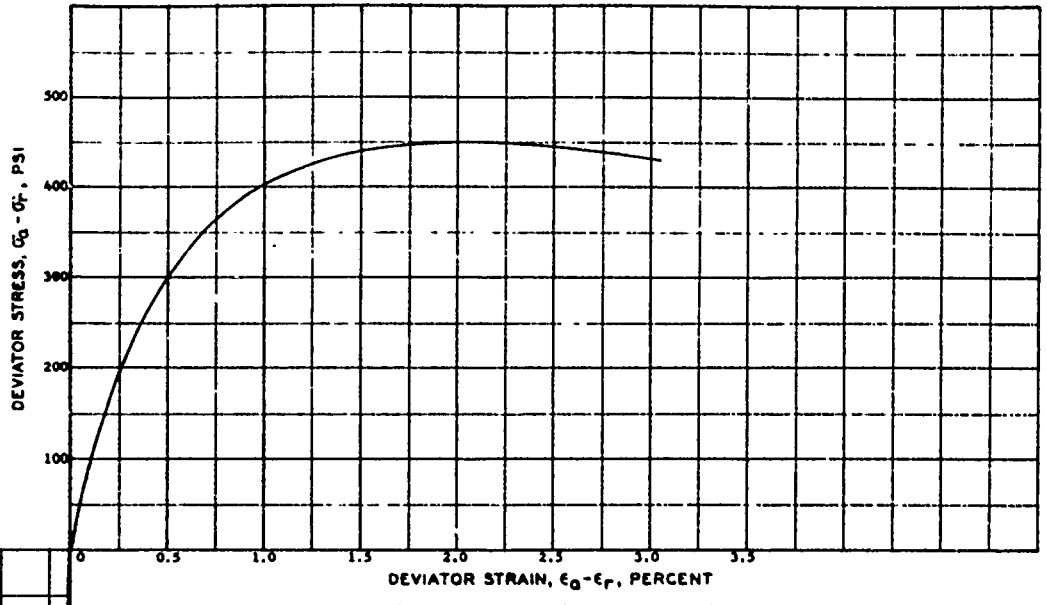
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	54
DEPTH EL.		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	w	10.34 %
VOID RATIO	e_0	0.3445
SATURATION	S_0	80.14 %
DRY DENSITY	γ_d	123.92 PCF
WET DENSITY	γ	136.73 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.53 CM



HYDROSTATIC COMPRESSION PHASE

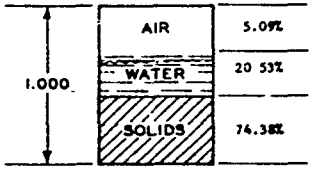


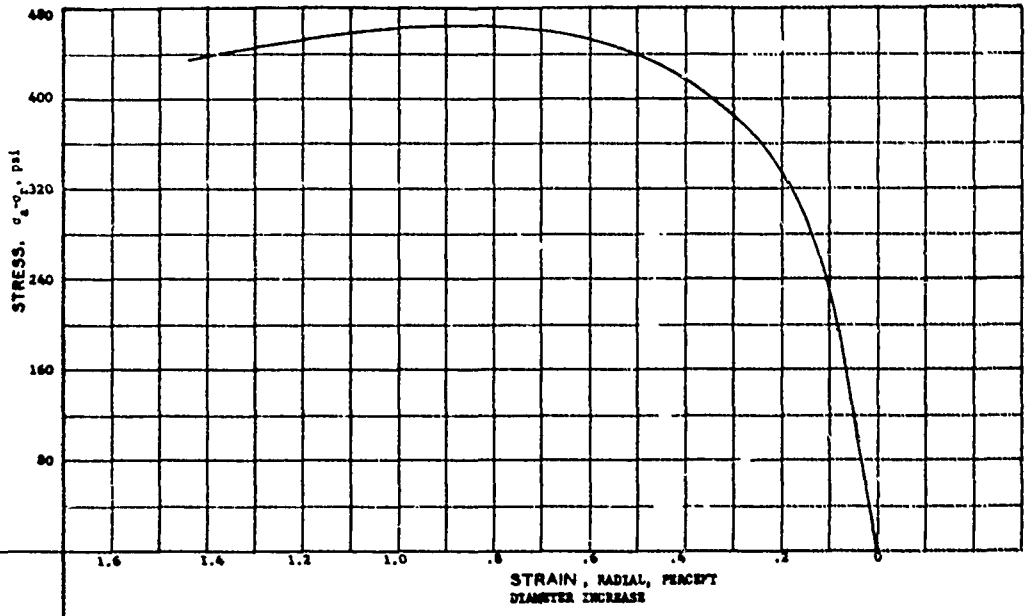


TRIAXIAL SHEAR PHASE

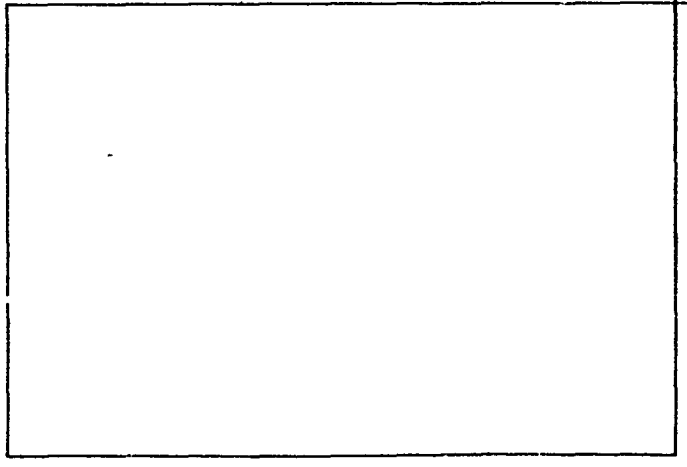
PROJECT Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 35
DEPTH EL.		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		

WATER CONTENT	w	10.34 %
VOID RATIO	e_0	0.3445
SATURATION	S_0	80.14 %
DRY DENSITY	γ_d	123.92 PCF
WET DENSITY	γ	136.73 PCF
SPECIFIC GRAVITY	G_s	2 67
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.53 CM



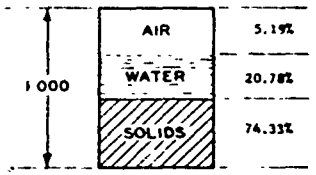


HYDROSTATIC COMPRESSION PHASE

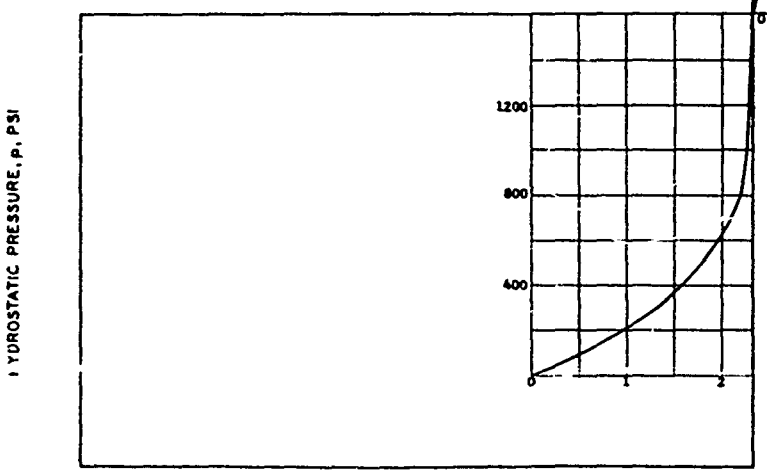


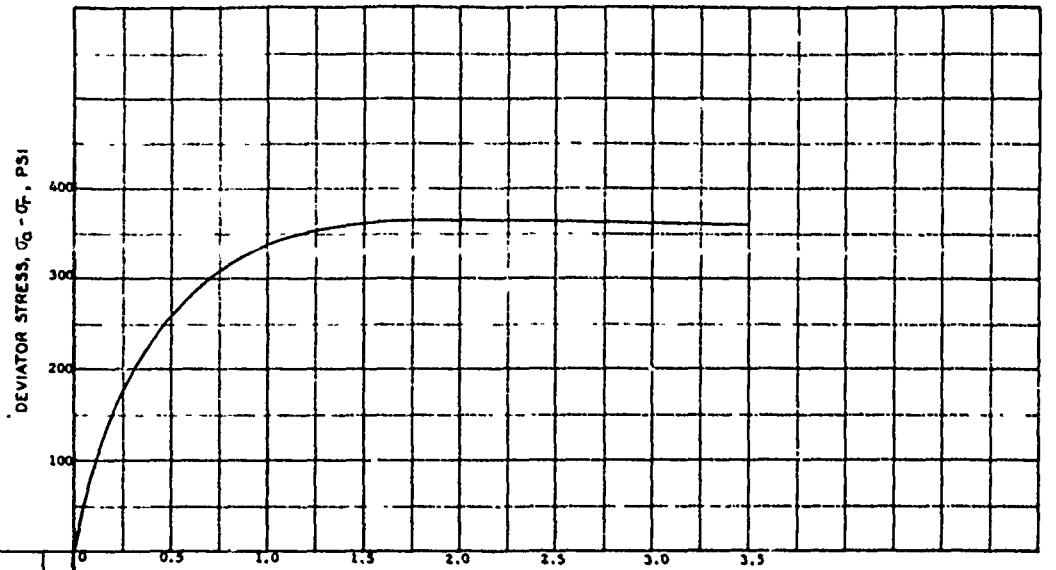
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 35
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	

WATER CONTENT	w	10.51	%
VOID RATIO	e_0	0.35	
SATURATION	S_0	80.02	%
DRY DENSITY	γ_d	123.36	PCF
WET DENSITY	γ	136.31	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_c	7.55	CM



HYDROSTATIC COMPRESSION PHASE

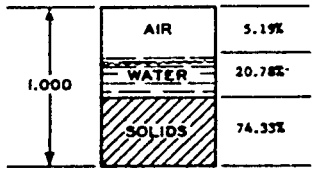




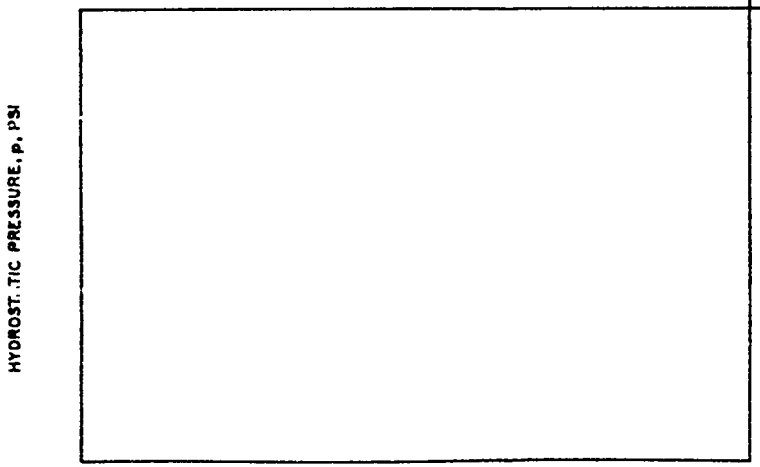
TRIAXIAL SHEAR PHASE

PROJECT Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 44
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		

WATER CONTENT	w	10.51	%
VOID RATIO	e_0	0.35	
SATURATION	S_0	80.02	%
DRY DENSITY	γ_d	123.34	PCF
WET DENSITY	γ	136.31	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7.55	CM

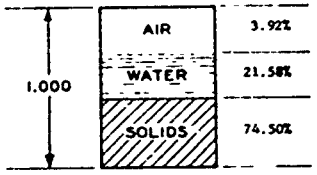


HYDROSTATIC COMPRESSION PHASE

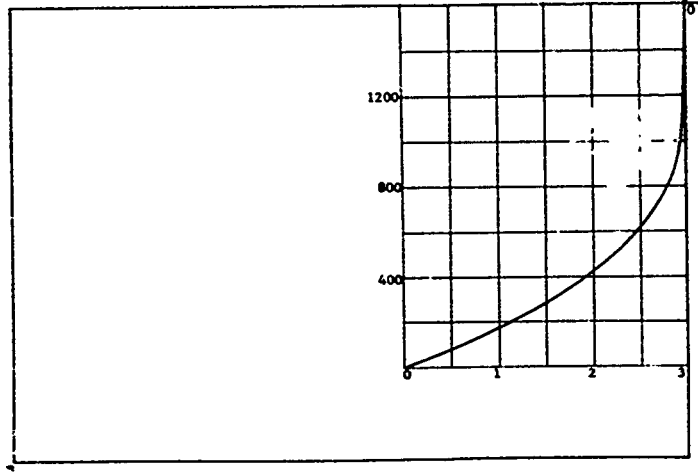


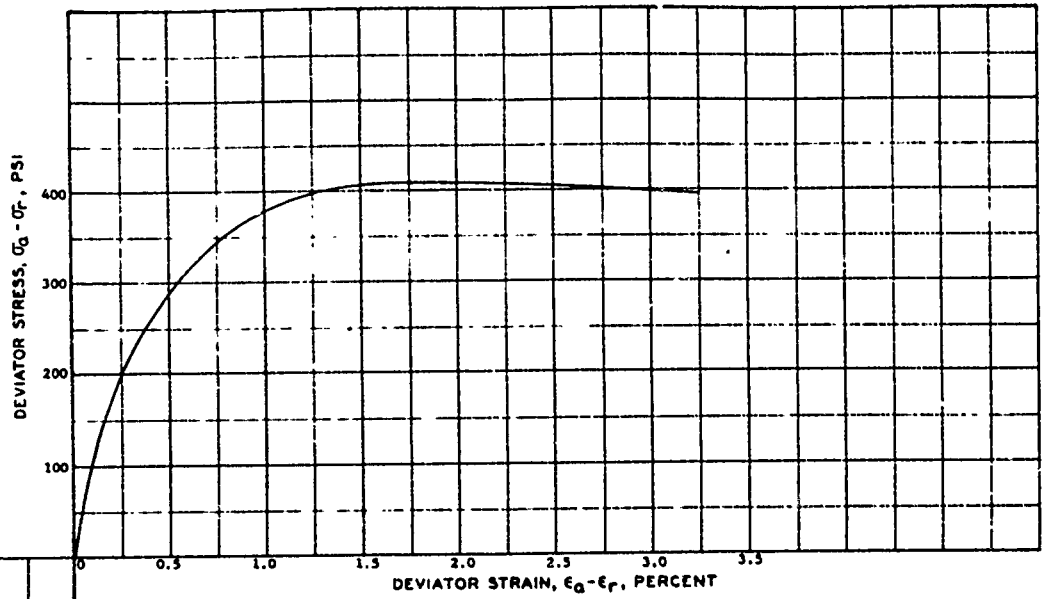
PROJECT Ga Tech B-602,		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 44
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		

WATER CONTENT	w	10.85	%
VOID RATIO	e_0	0.34	
SATURATION	S_0	84.61	%
DRY DENSITY	γ_d	124.11	PCF
WET DENSITY	γ	137.58	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.55	CM



HYDROSTATIC COMPRESSION PHASE

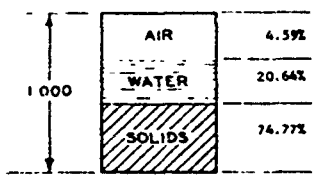




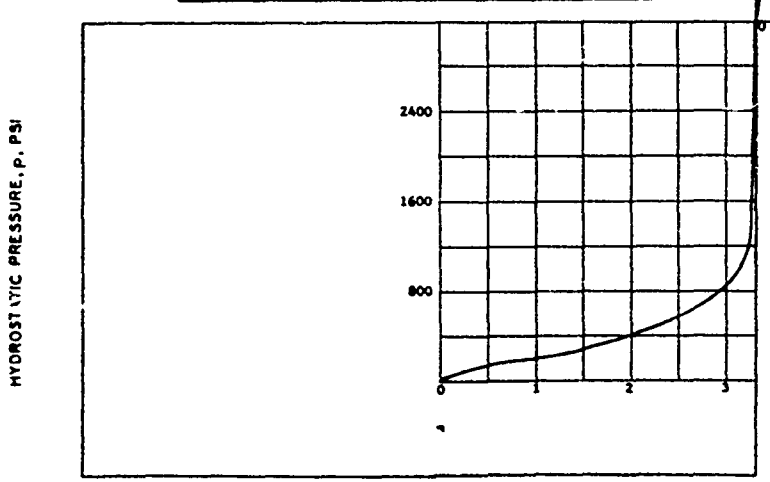
TRIAXIAL SHEAR PHASE

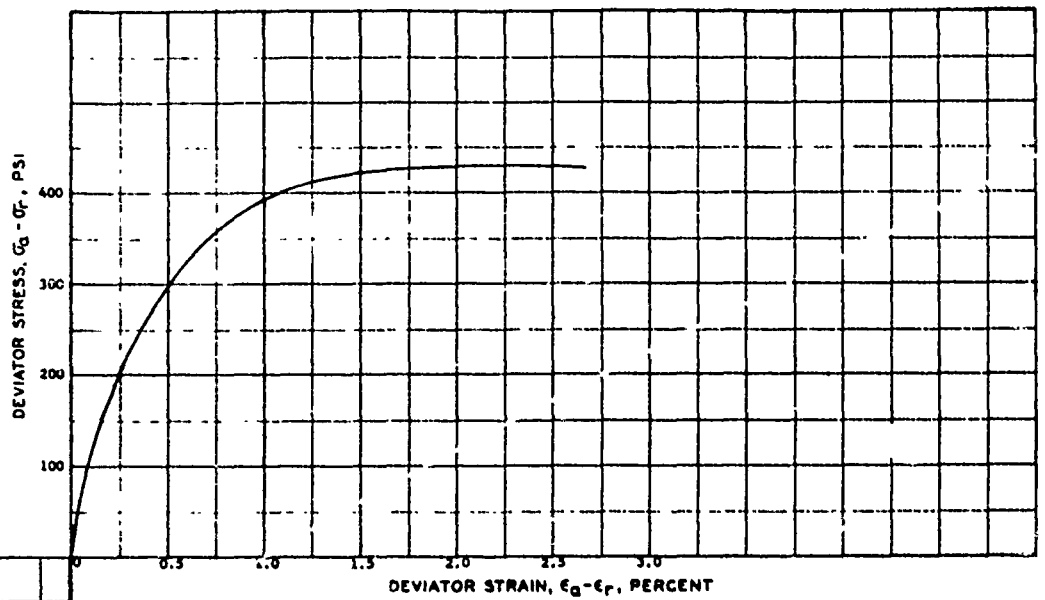
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0031		
AREA			
BORING NO.		SAMPLE NO.	48
DEPTH / EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	w	10.34	%
VOID RATIO	e_0	0.34	
SATURATION	S_0	81.81	%
DRY DENSITY	γ_d	124.57	PCF
WET DENSITY	γ	137.45	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.55	CM



HYDROSTATIC COMPRESSION PHASE

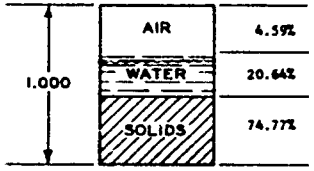


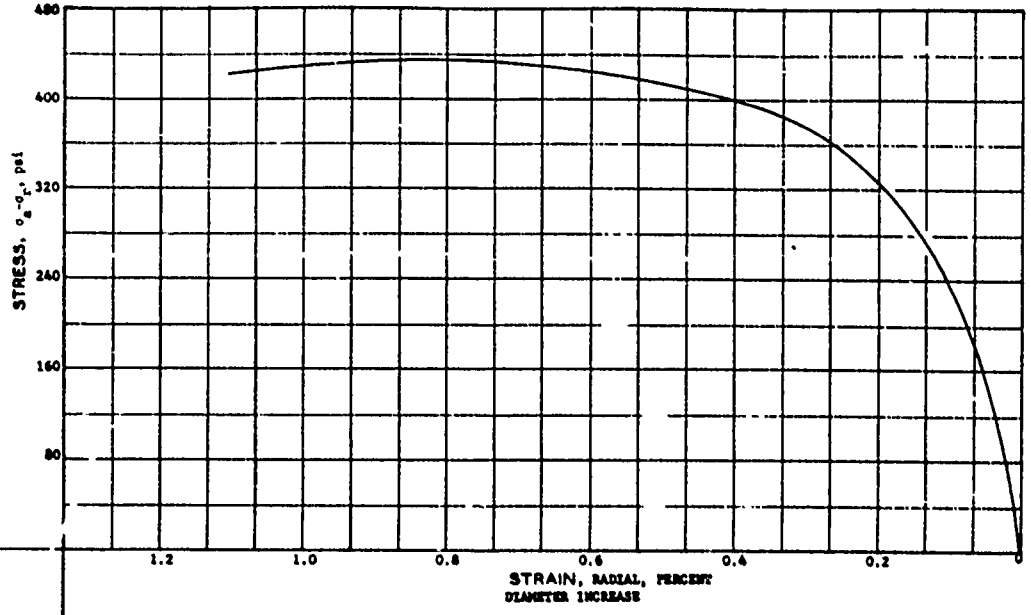


TRIAXIAL SHEAR PHASE

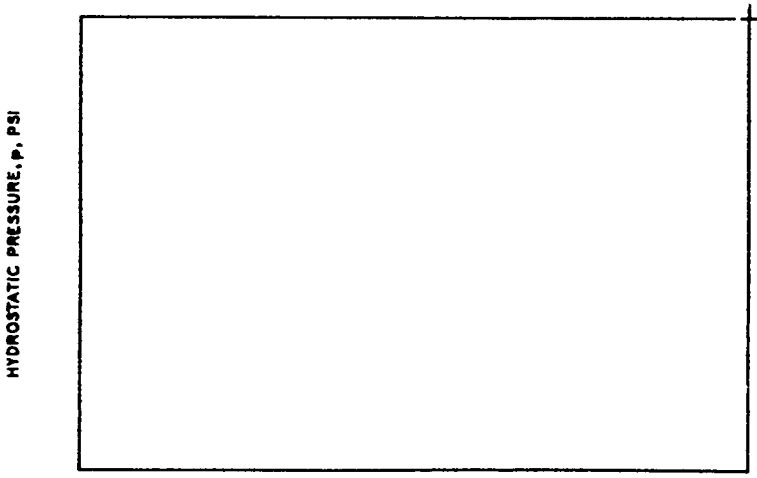
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	41
DEPTH EL.		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	w	10.34 %
VOID RATIO	e_0	0 34
SATURATION	S_0	81.81 %
DRY DENSITY	γ_d	124.57 PCF
WET DENSITY	γ	137.45 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.55 CM



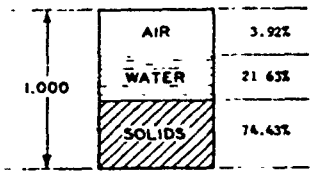


HYDROSTATIC COMPRESSION PHASE

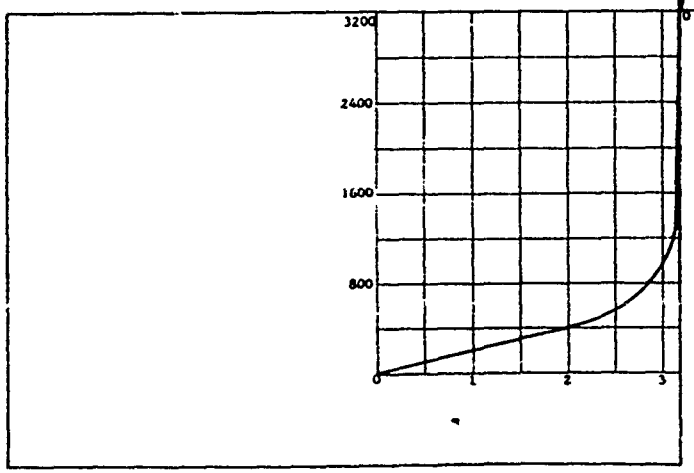


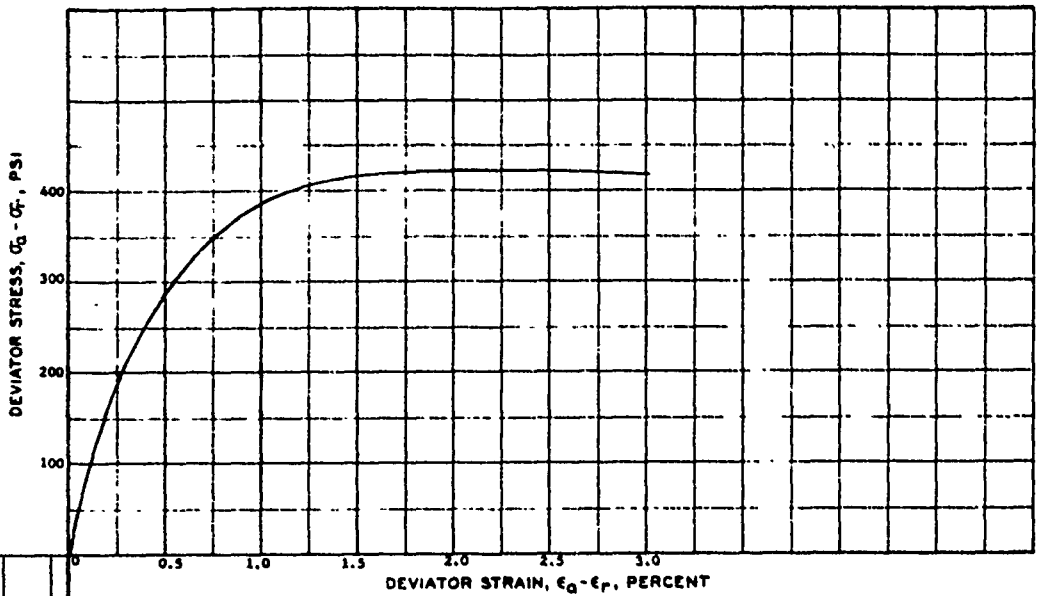
PROJECT Ga Tech B-602;		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 41
DEPTH EL.		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		

WATER CONTENT	w	10.89	%
VOID RATIO	e_0	0.34	
SATURATION	S_0	84.67	%
DRY DENSITY	γ_d	124.00	PCF
WET DENSITY	γ	137.51	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.58	CM



HYDROSTATIC COMPRESSION PHASE





TRIAXIAL SHEAR PHASE

PROJECT Ga Tech B-602;
Contract No. DACA39-67-C-0051

AREA

BORING NO. SAMPLE NO. 43

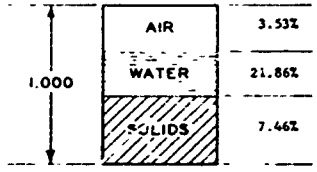
DEPTH DATE

EL

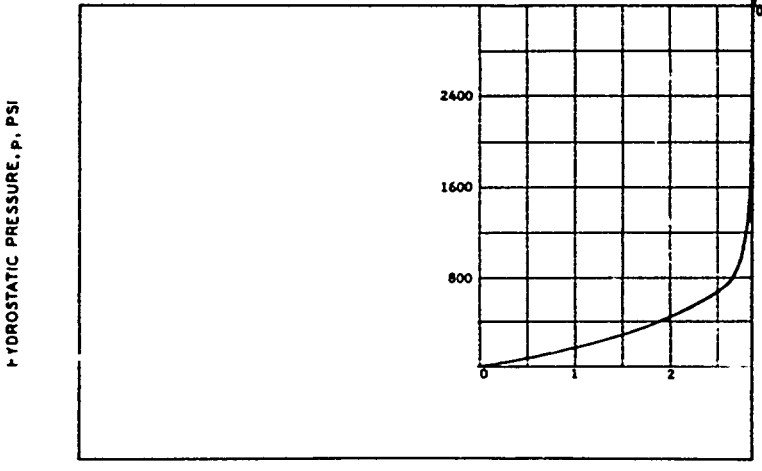
LL 27 PL 15 PI 12

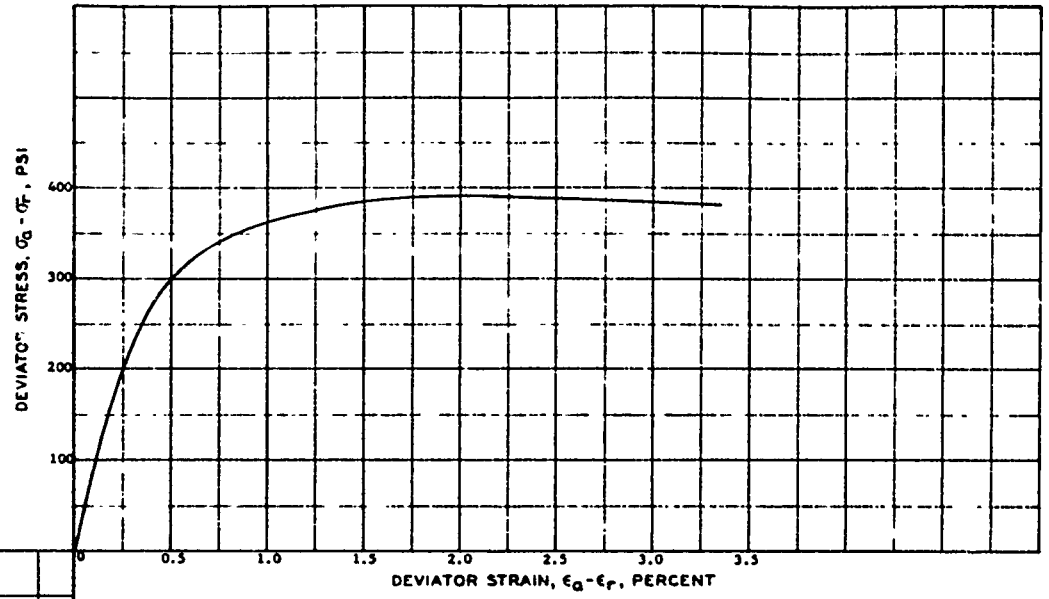
DESCRIPTION McCormick Ranch Sand

WATER CONTENT	w	10.98	%
VOID RATIO	e_0	0.34	
SATURATION	S_0	86.11	%
DRY DENSITY	γ_d	124.30	PCF
WET DENSITY	γ	137.95	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.55	CM



HYDROSTATIC COMPRESSION PHASE

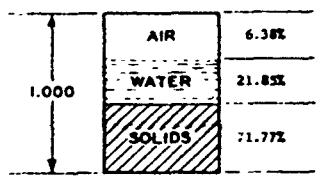




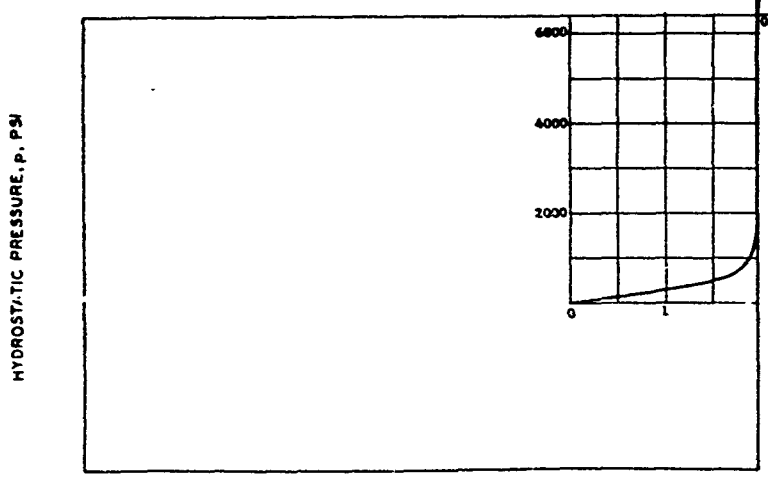
TRIAXIAL SHEAR PHASE

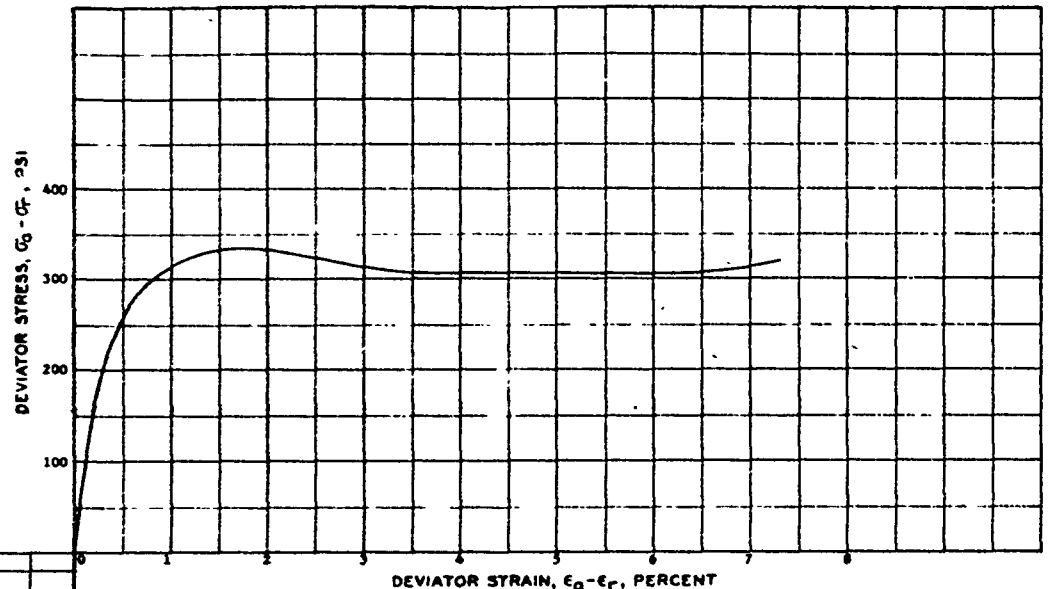
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	55
DEPTH EL		DATE	
LL	27	PL	15	PI	12
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	W	11.40	%
VOID RATIO	e_0	0.39	
SATURATION	S_0	77.40	%
DRY DENSITY	γ_d	119.57	PCF
WET DENSITY	γ	133.20	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.56	CM
SPECIMEN HEIGHT	H_0	7.54	CM



HYDROSTATIC COMPRESSION PHASE

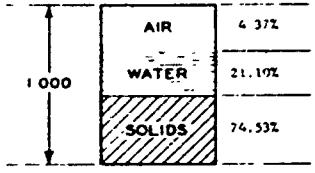




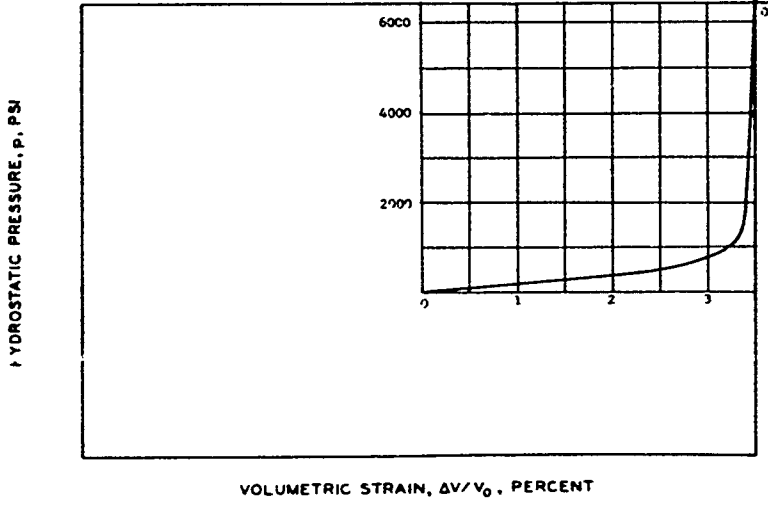
TRIAXIAL SHEAR PHASE

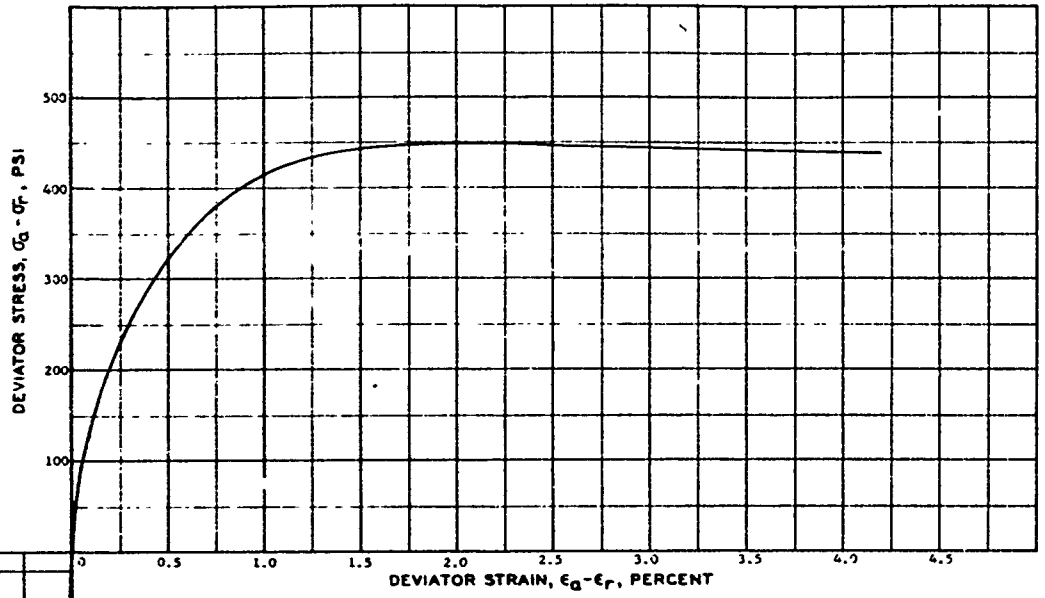
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO. 39	
DEPTH		DATE	
EL			
LL 27	PL 15	PI 12	
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	w	10.60	%
VOID RATIO	e_0	0.34	
SATURATION	S_0	82.85	%
DRY DENSITY	γ_d	124.18	PCF
WET DENSITY	γ	137.34	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.55	CM



HYDROSTATIC COMPRESSION PHASE

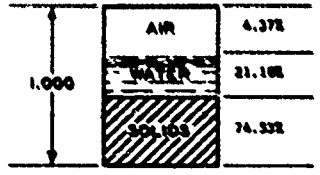


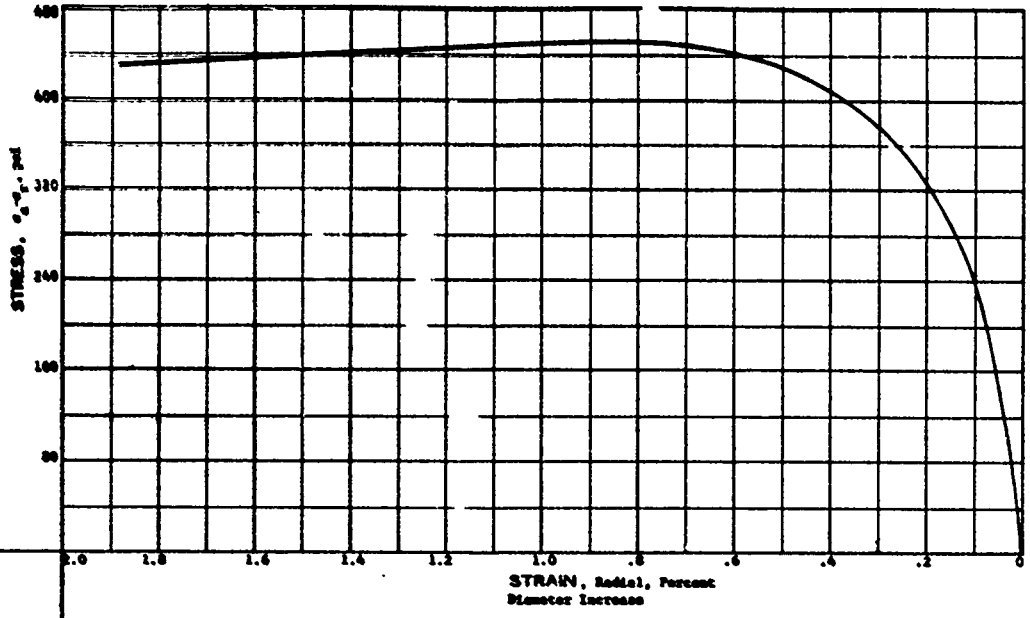


TRIAXIAL SHEAR PHASE

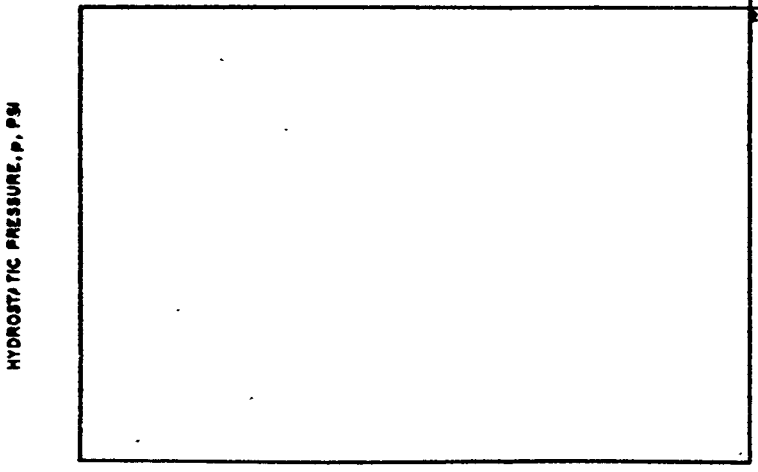
PROJECT Ga Tech B 602		
Contract No. DACA39 67-C 0051		
AREA		
BORING NO.		SAMPLE NO. 42
DEPTH		DATE
EL		
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		

WATER CONTENT	w	10.66	%
VOID RATIO	e_0	0.34	
SATURATION	S_0	82.85	%
DRY DENSITY	γ_d	124.18	PCF
WET DENSITY	γ	137.34	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.55	CM



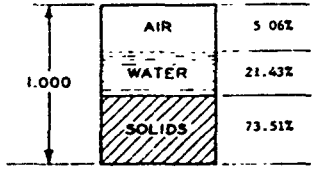


HYDROSTATIC COMPRESSION PHASE

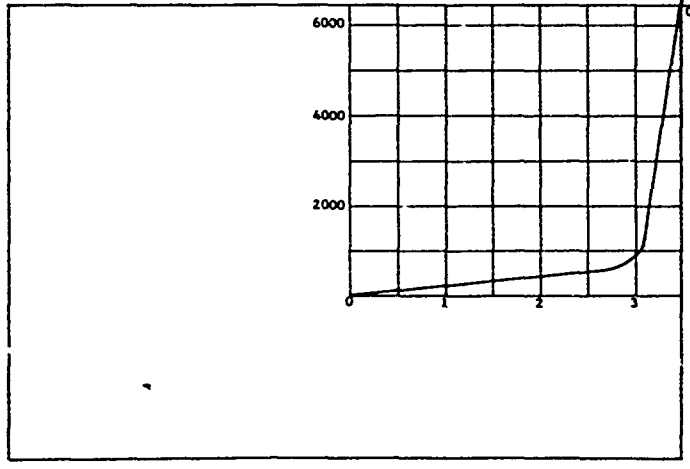


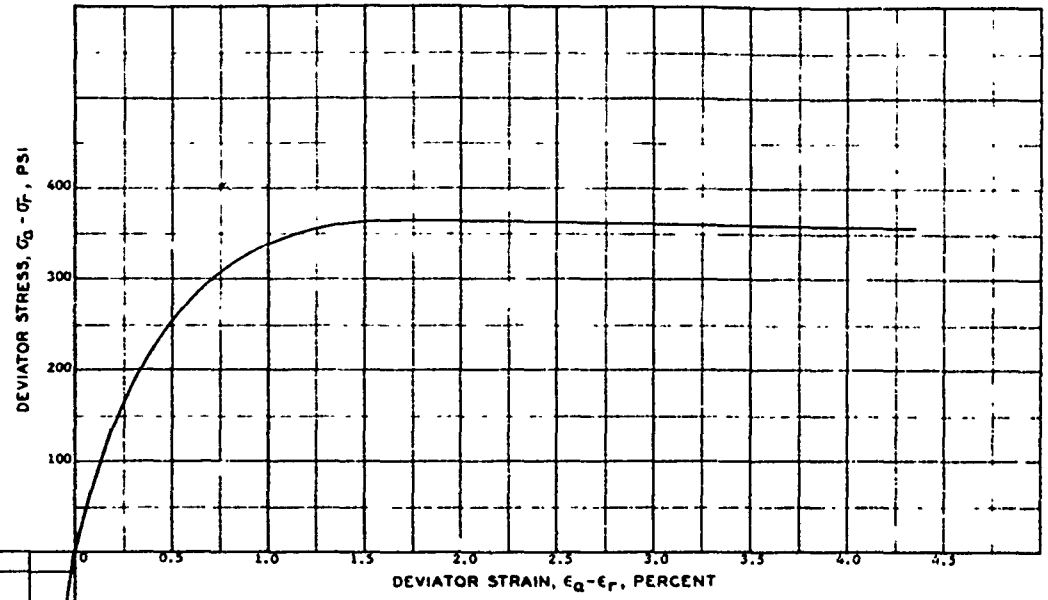
PROJECT	Ga Tech B-682,		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO. 42	
DEPTH EL		DATE	
LL 27	PL 15		PI 12
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	w	10.92	%
VOID RATIO	e_0	0.36	
SATURATION	S_0	80.90	%
DRY DENSITY	γ_d	122.48	PCF
WET DENSITY	γ	135.85	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7.56	CM



HYDROSTATIC COMPRESSION PHASE

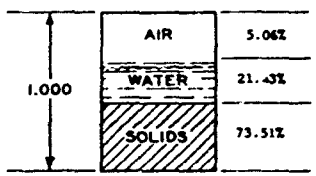


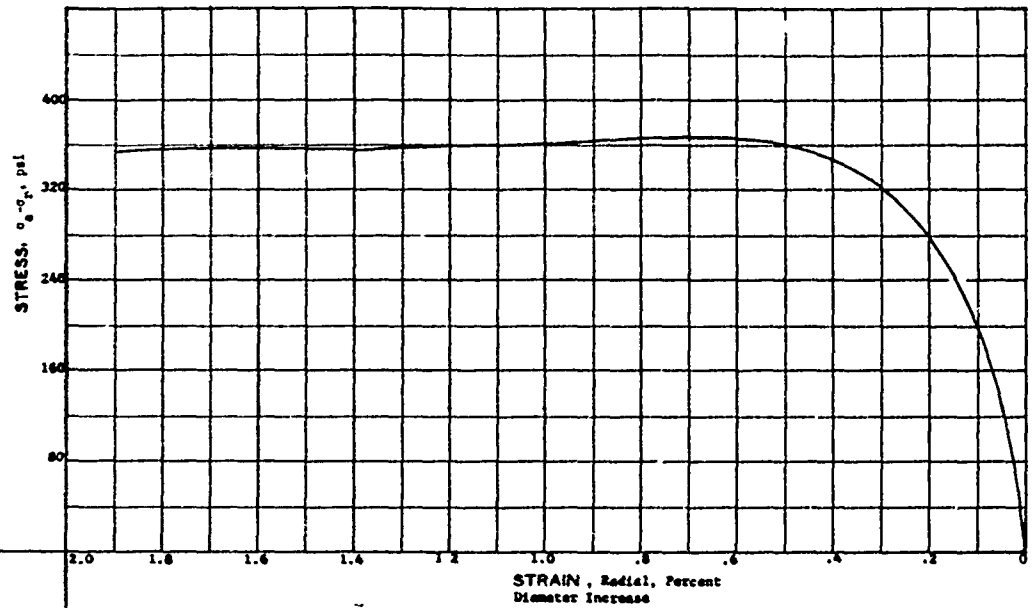


TRIAXIAL SHEAR PHASE

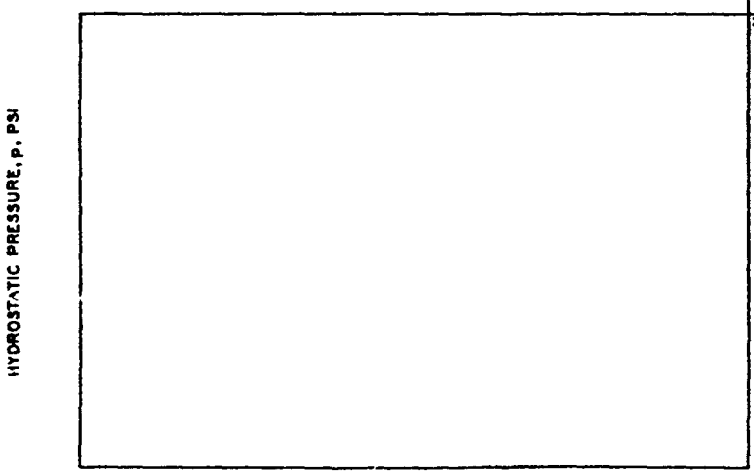
PROJECT	Ga Tech B-602, Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	56
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	w	10.92	%
VOID RATIO	e_0	0.36	
SATURATION	S_0	80.90	%
DRY DENSITY	γ_d	122.48	PCF
WET DENSITY	γ	135.85	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7.56	CM



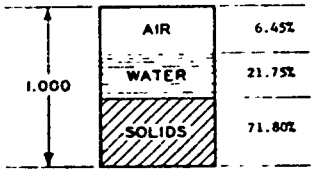


HYDROSTATIC COMPRESSION PHASE

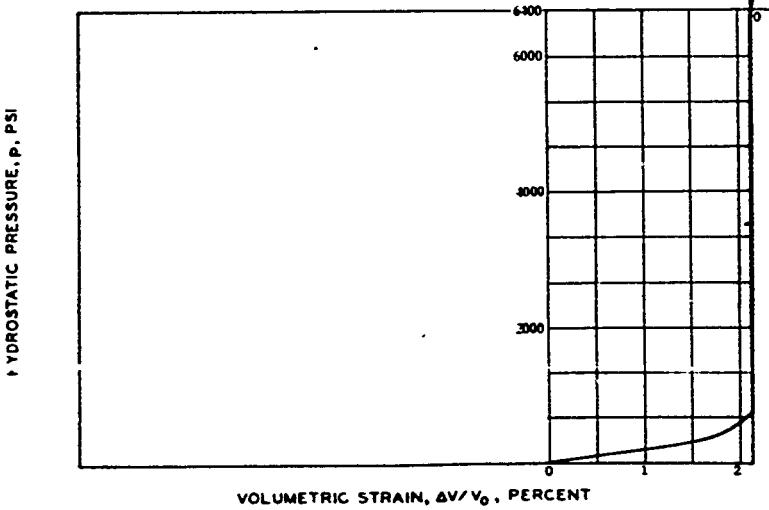


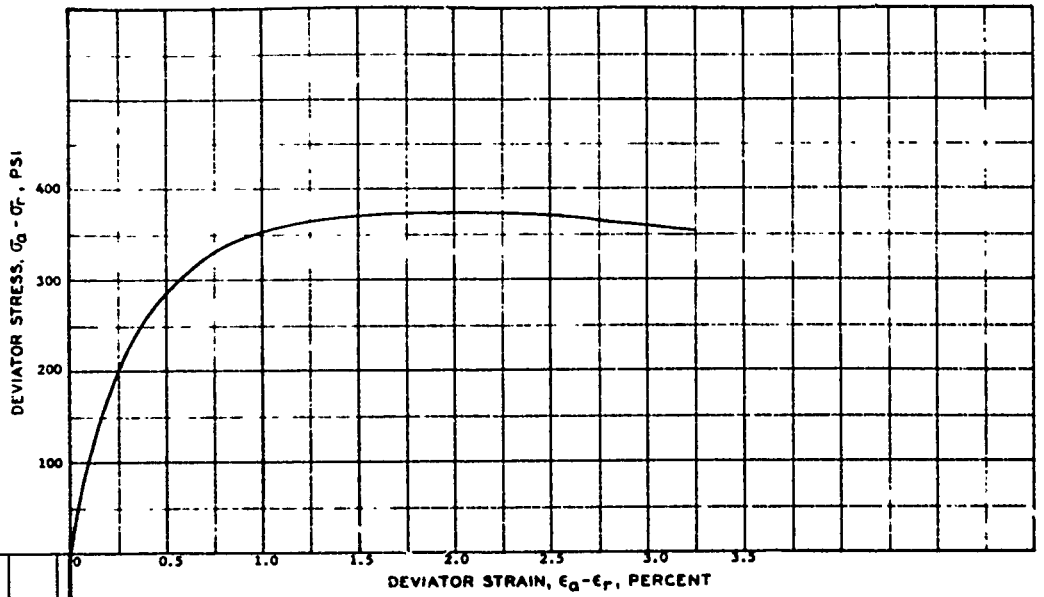
PROJECT	Ga Tech B-602;		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	56
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	w	11.34	%
VOID RATIO	e_0	0.39	
SATURATION	S_0	77.13	%
DRY DENSITY	γ_d	119 63	PCF
WET DENSITY	γ	133.20	PCF
SPECIFIC GRAVITY	G_s	2 67	
SPECIMEN DIAMETER	D_0	3.55	CM
SPECIMEN HEIGHT	H_0	7.55	CM



HYDROSTATIC COMPRESSION PHASE

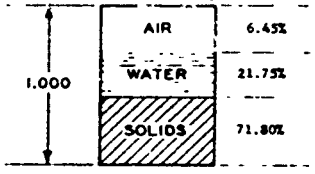




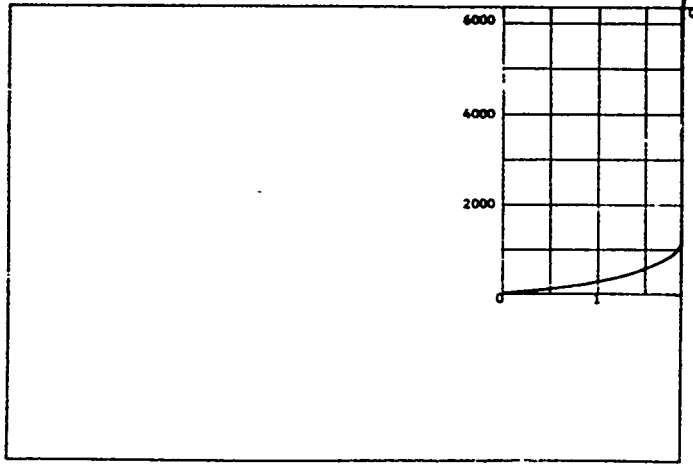
TRIAXIAL SHEAR PHASE

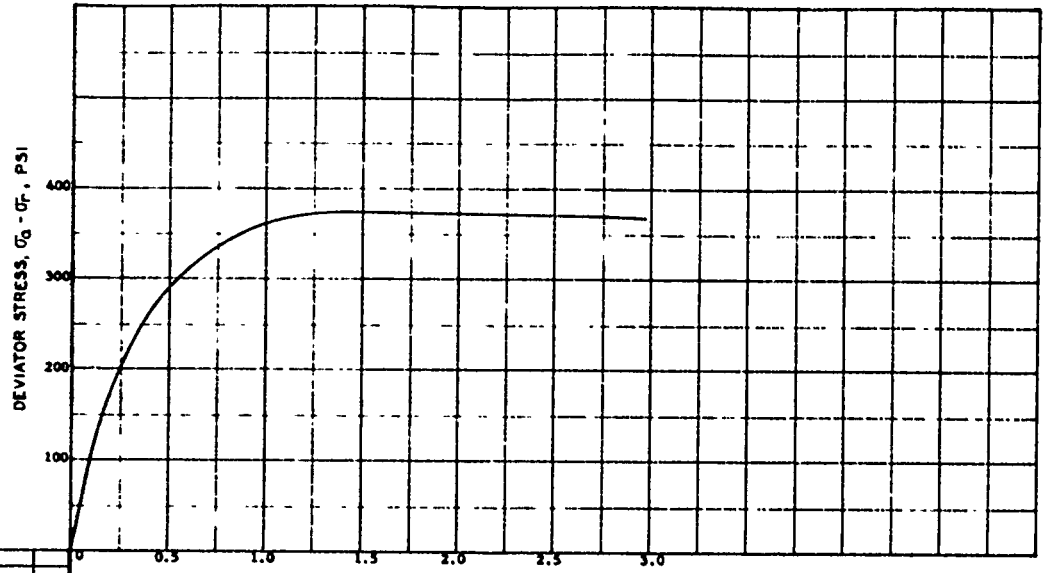
PROJECT Ga Tech S-602, Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 61
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		

WATER CONTENT	w	11.34	%
VOID RATIO	e_0	0.39	
SATURATION	S_0	77.13	%
DRY DENSITY	γ_d	119.63	PCF
WET DENSITY	γ	133.20	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.55	CM
SPECIMEN HEIGHT	H_0	7.55	CM



HYDROSTATIC COMPRESSION PHASE

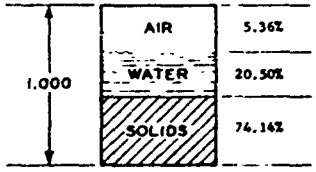




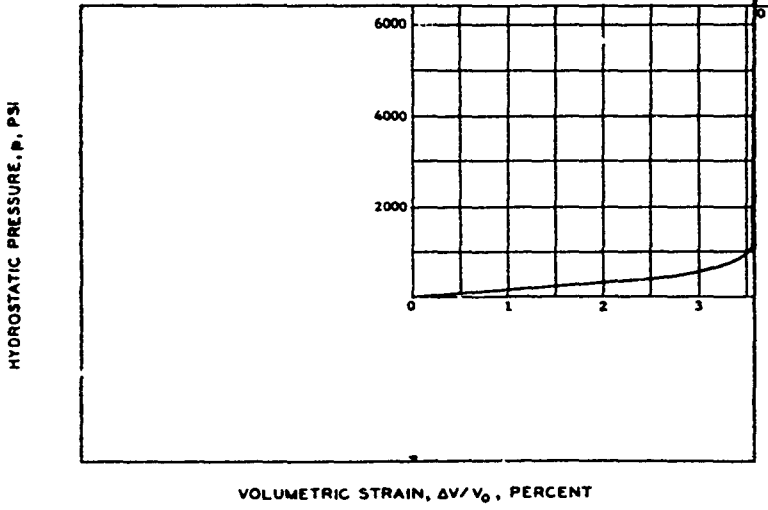
TRIAXIAL SHEAR PHASE

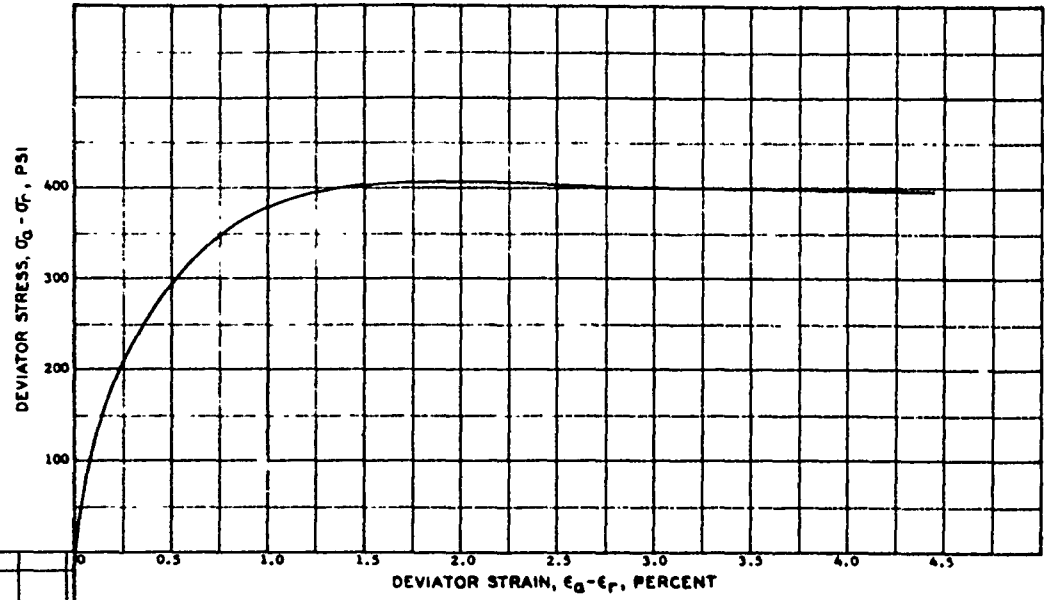
PROJECT Ga Tech B-602,
Contract No. DACA39-67-C-0051
AREA
BORING NO. SAMPLE NO. 63
DEPTH
EL DATE
LL 27 PL 15 PI 12
DESCRIPTION McCormick Ranch Sand

WATER CONTENT	w	10.35	%
VOID RATIO	e_0	0.35	
SATURATION	S_0	79.28	%
DRY DENSITY	γ_d	123.53	PCF
WET DENSITY	γ	136.32	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7.53	CM



HYDROSTATIC COMPRESSION PHASE

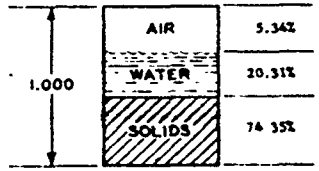




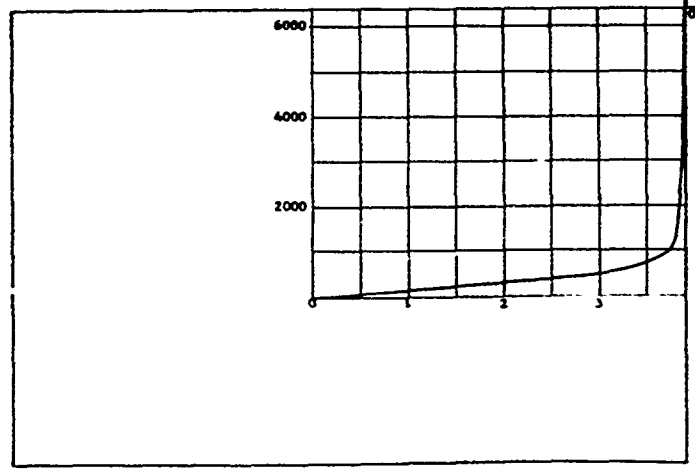
TRIAXIAL SHEAR PHASE

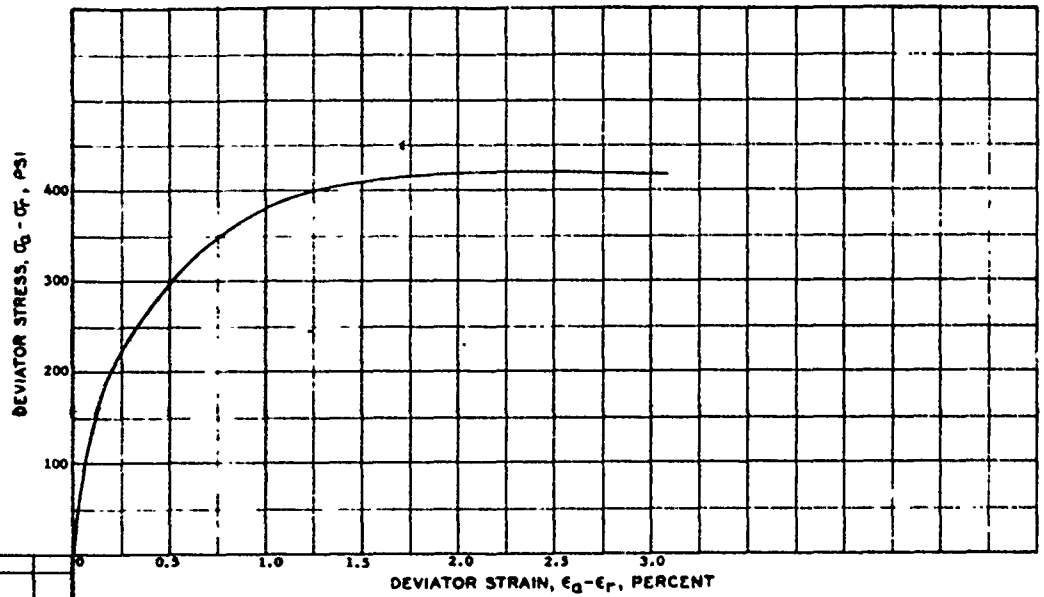
PROJECT Ga Tech B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 173
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		

WATER CONTENT	w	10.23	%
VOID RATIO	e_0	0.35	
SATURATION	S_0	79.19	%
DRY DENSITY	γ_d	123.88	PCF
WET DENSITY	γ	136.56	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.54	CM



HYDROSTATIC COMPRESSION PHASE

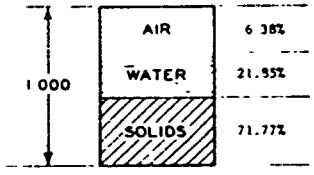




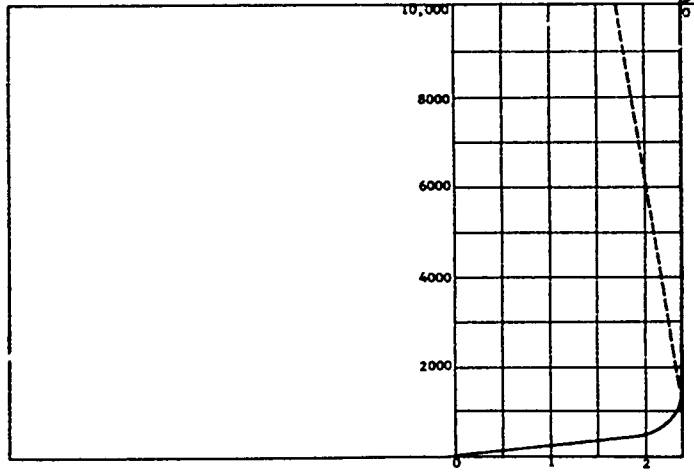
TRIAXIAL SHEAR PHASE

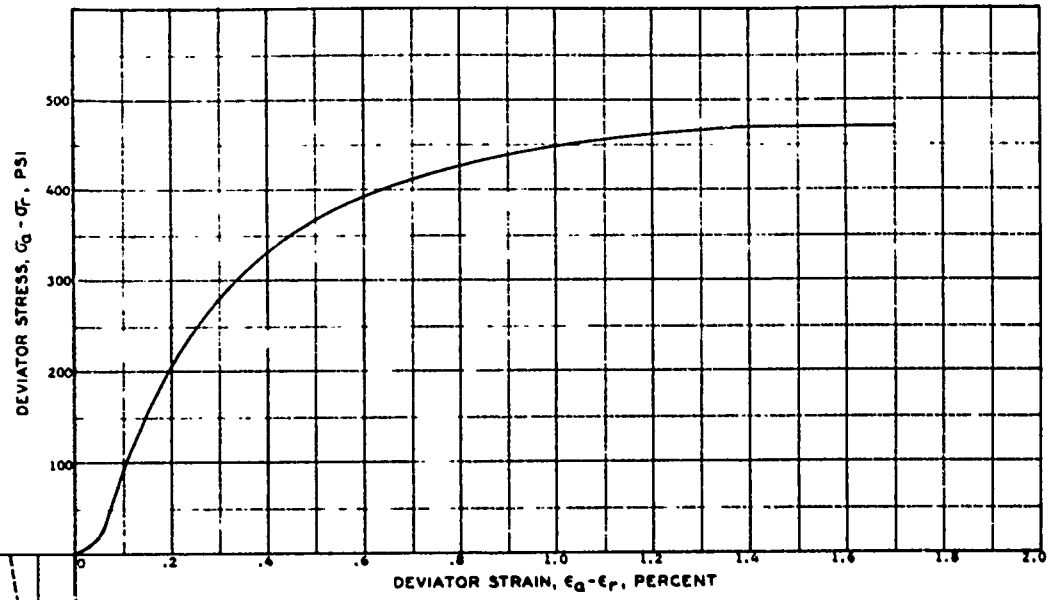
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	177
DEPTH / EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	w	11 40	%
VOID RATIO	e_o	0.39	
SATURATION	S_o	77.40	%
DRY DENSITY	γ_d	119 57	PCF
WET DENSITY	γ	133 20	PCF
SPECIFIC GRAVITY	G_s	2 67	
SPECIMEN DIAMETER	D_o	3.55	CM
SPECIMEN HEIGHT	H_o	7 55	CM



HYDROSTATIC COMPRESSION PHASE

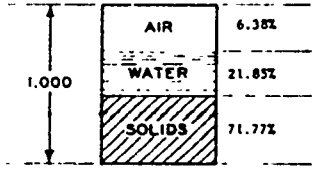




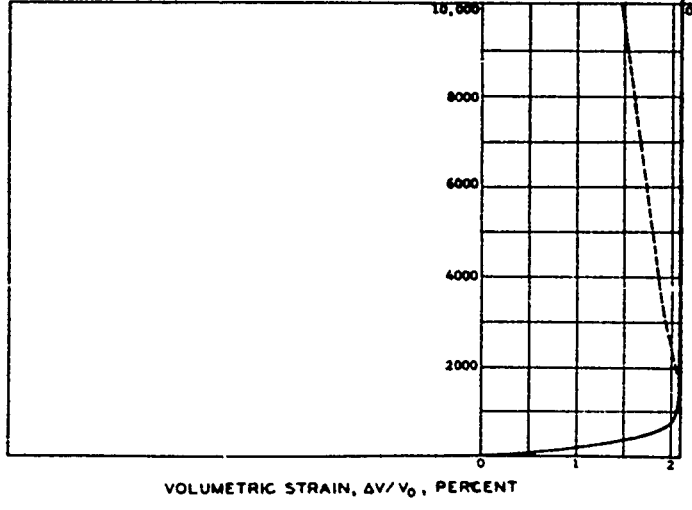
TRIAXIAL SHEAR PHASE

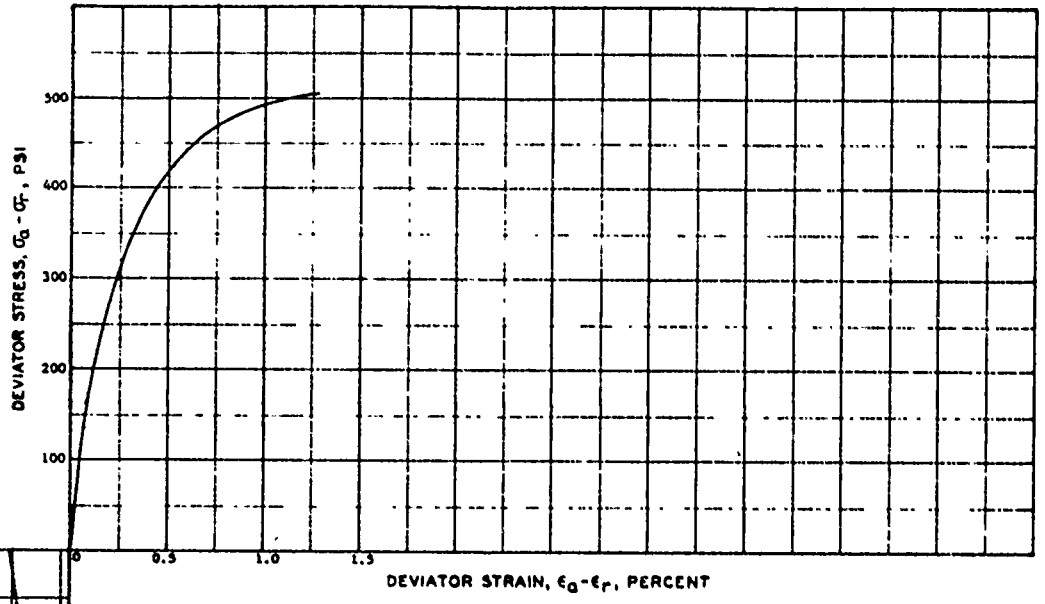
PROJECT	Ga Tech B-602,		
	Contract No. DACA39-67-C-0031		
AREA			
BORING NO.		SAMPLE NO.	38
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		

WATER CONTENT	W	11.40	%
VOID RATIO	e_0	0.39	
SATURATION	S_0	77.40	%
DRY DENSITY	γ_d	119.57	PCF
WET DENSITY	γ	133.20	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.56	CM
SPECIMEN HEIGHT	H_0	7.54	CM



HYDROSTATIC COMPRESSION PHASE

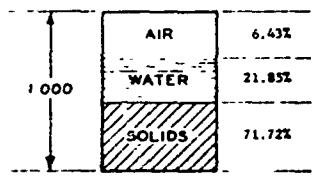


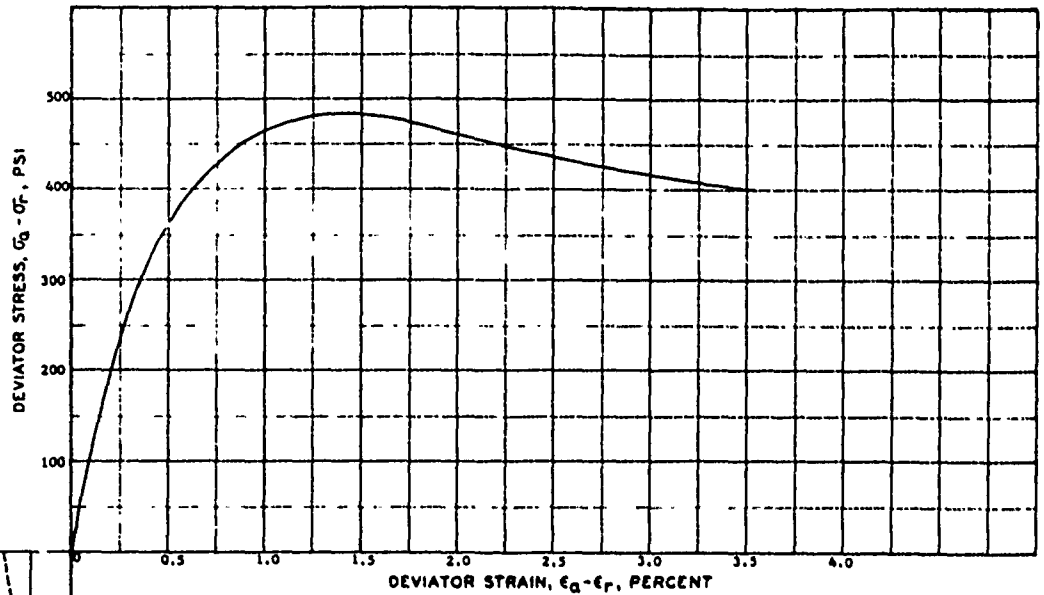


TRIAXIAL SHEAR PHASE

PROJECT	Ga Tech B-602.		
	Contract No DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	38
DEPTH EL		DATE	
LL	27	PL	15
		PI	12
DESCRIPTION	McCormick Ranch Sand		

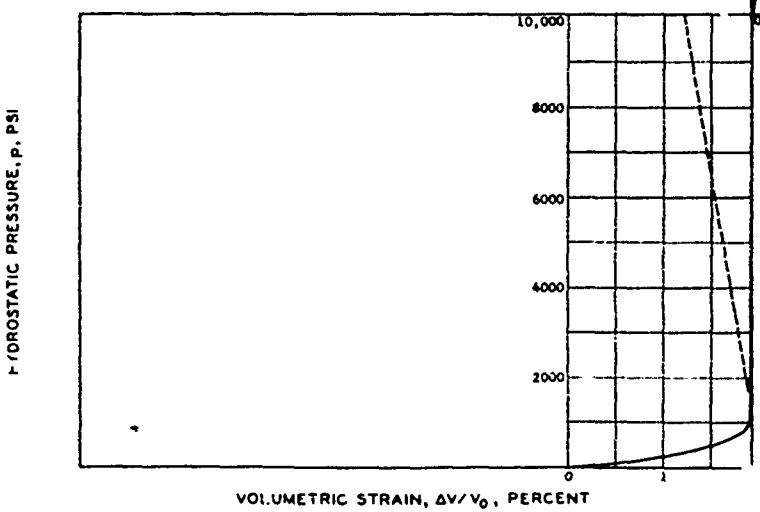
WATER CONTENT	w	11.41 %
VOID RATIO	e_o	0.39
SATURATION	S_o	77.26 %
DRY DENSITY	γ_d	119.48 PCF
WET DENSITY	γ	133.12 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_o	3.57 CM
SPECIMEN HEIGHT	H_o	7.50 CM





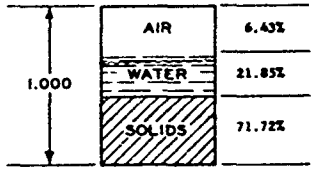
TRIAXIAL SHEAR PHASE

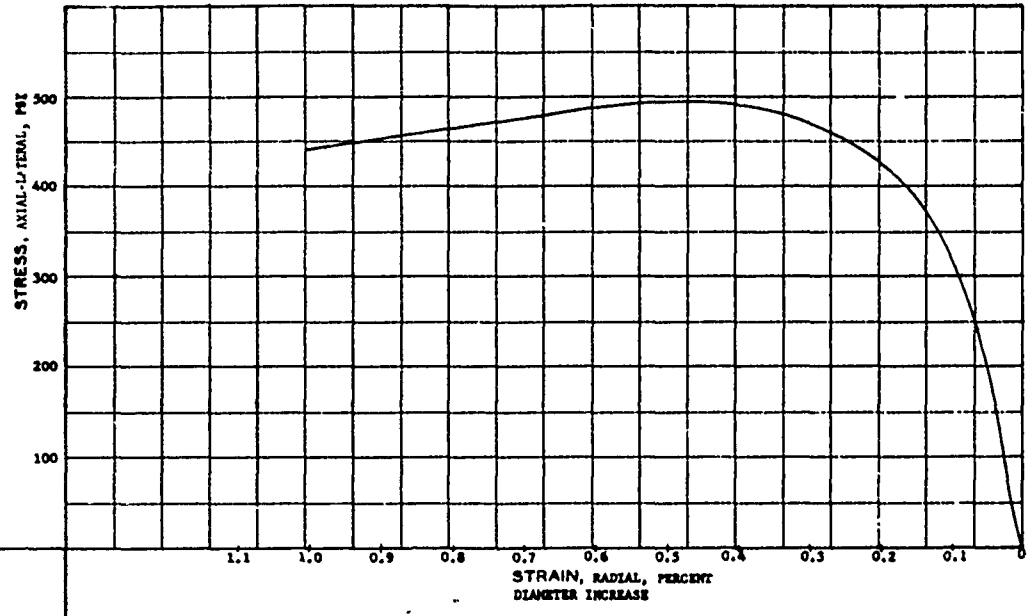
HYDROSTATIC COMPRESSION PHASE



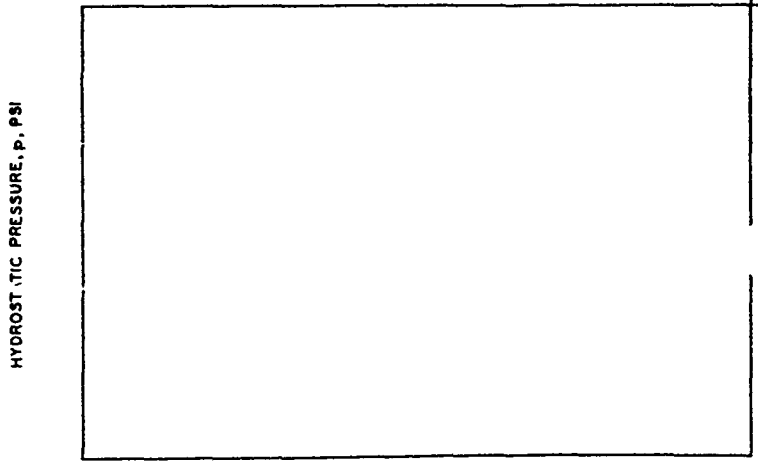
PROJECT Ga Tech B-602;			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 59	
DEPTH			
EL		DATE	
LL 27	PL 15		PI 12
DESCRIPTION McCormick Ranch Sand			
Triaxial Test @ 10,000 psi			

WATER CONTENT	w	11.41	%
VOID RATIO	e_0	0.39	
SATURATION	S_0	77.26	%
DRY DENSITY	γ_d	119.48	PCF
WET DENSITY	γ	133.12	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.57	CM
SPECIMEN HEIGHT	H_0	7.50	CM





HYDROSTATIC COMPRESSION PHASE



PROJECT	Ga Tech B-602; Contract No. DACA19-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	59
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Beach Sand Triaxial Test @ 10,000 psi		

Group B

Triaxial Tests, Cyclic at 35%

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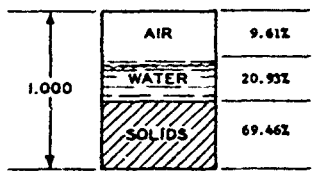
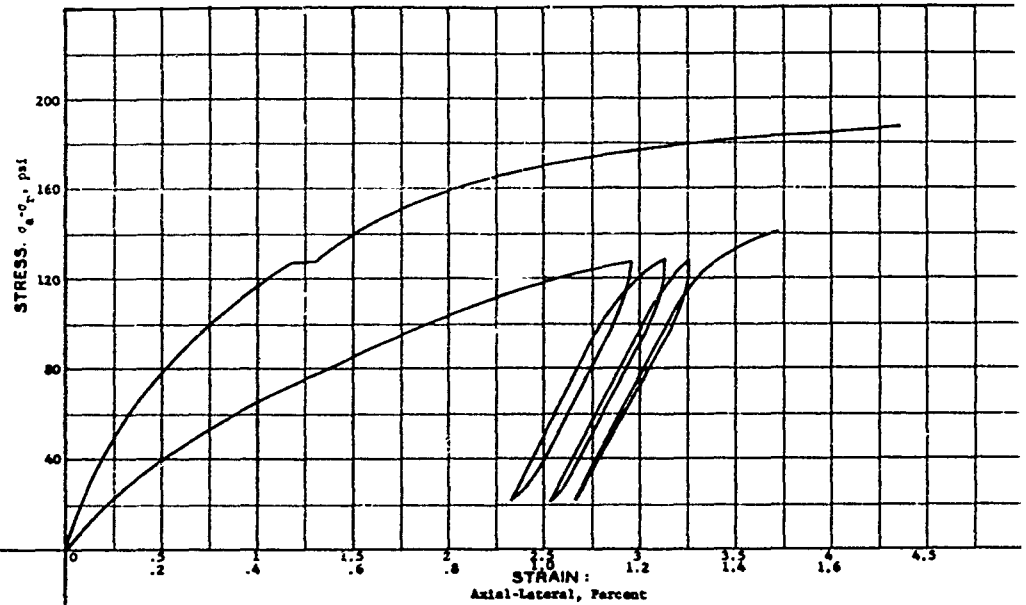
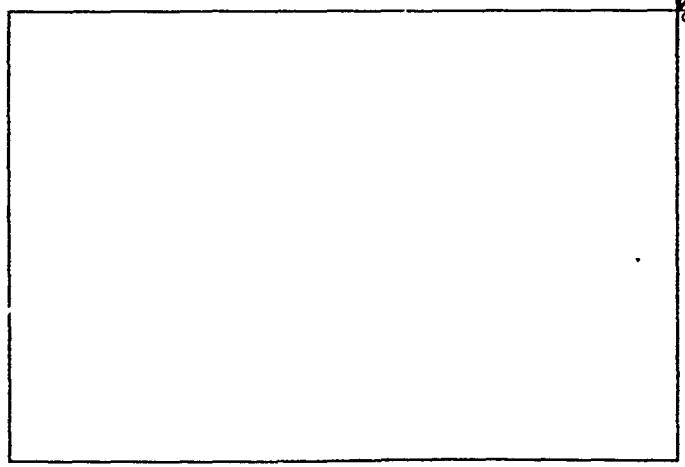
WATER CONTENT	w	11.28 %
VOID RATIO	e_0	0.44
SATURATION	S_0	68.52 %
DRY DENSITY	γ_d	115.72 PCF
WET DENSITY	γ	128.78 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.51 CM
SPECIMEN HEIGHT	H_0	7.51 CM



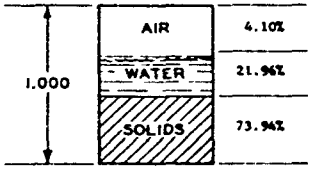


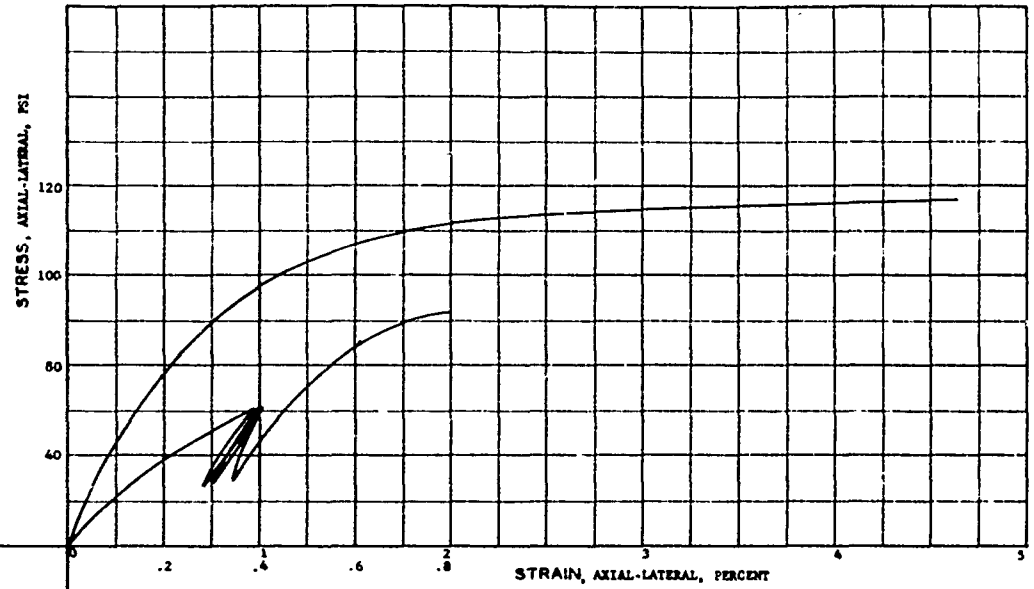
HYDROSTATIC COMPRESSION PHASE



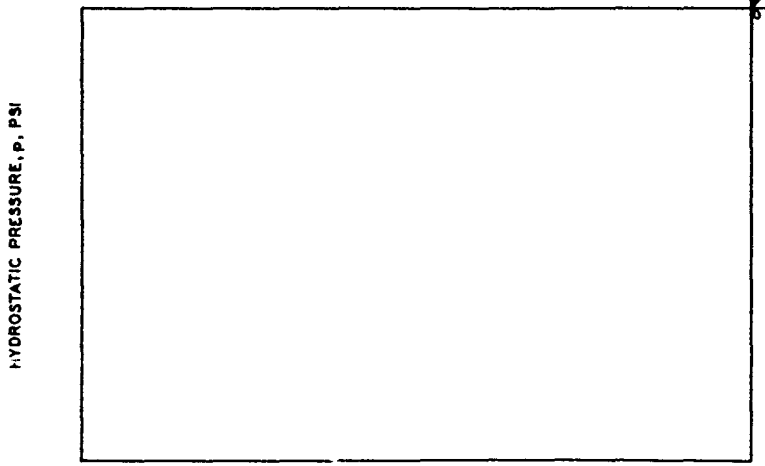
PROJECT Ga Tech B-602;			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 108	
DEPTH EL		DATE	
LL 27	PL 15		PI 12
DESCRIPTION McCormick Ranch Sand			
Triaxial-Cycle Shear @ 35%			

WATER CONTENT	w	11.12 %
VOID RATIO	e_o	0.35
SATURATION	S_o	84.28 %
DRY DENSITY	γ_d	123.20 PCF
WET DENSITY	γ	136.90 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_o	3.51 CM
SPECIMEN HEIGHT	H_o	7.50 CM



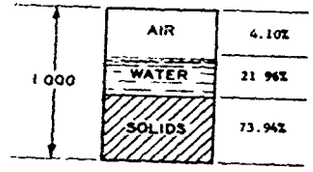


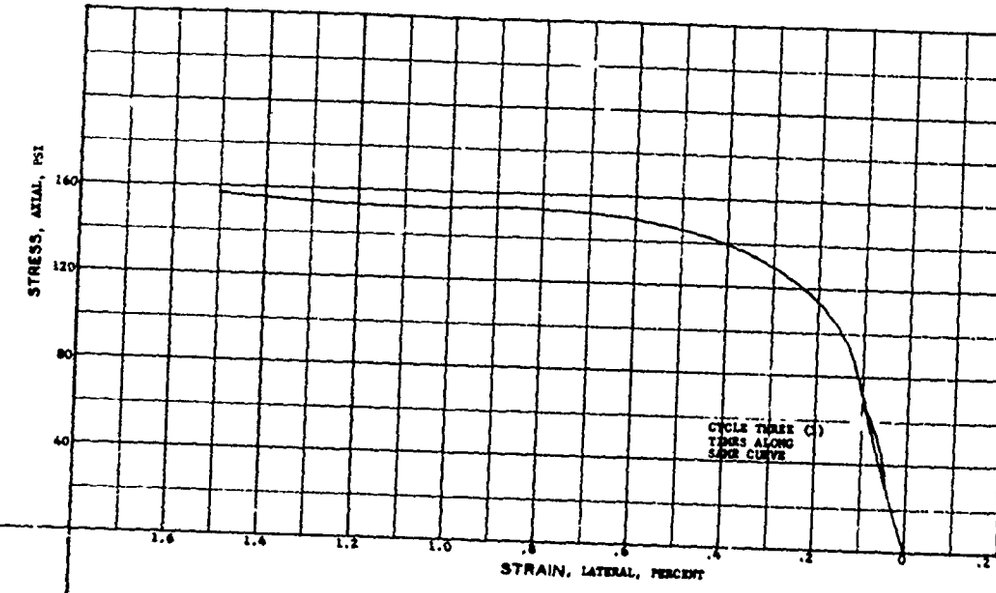
HYDROSTATIC COMPRESSION PHASE



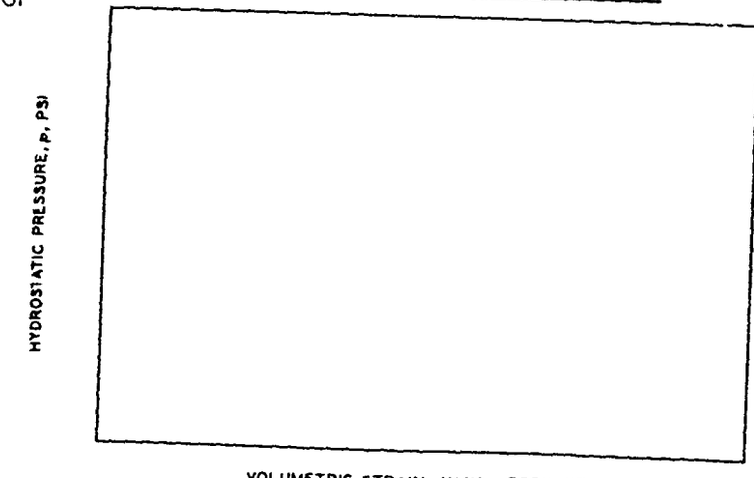
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0031		
AREA		
BORING NO.		SAMPLE NO 112
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		
Triaxial Cyclic @ 35%		
Lateral Pressure, 100 psi		

WATER CONTENT	w	11.12 %
VOID RATIO	e_0	0.35
SATURATION	S_0	84.28 %
DRY DENSITY	γ_d	123.20 PCF
WET DENSITY	γ	136.90 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.51 CM
SPECIMEN HEIGHT	H_0	7.50 CM



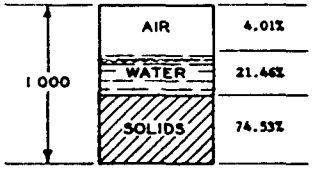


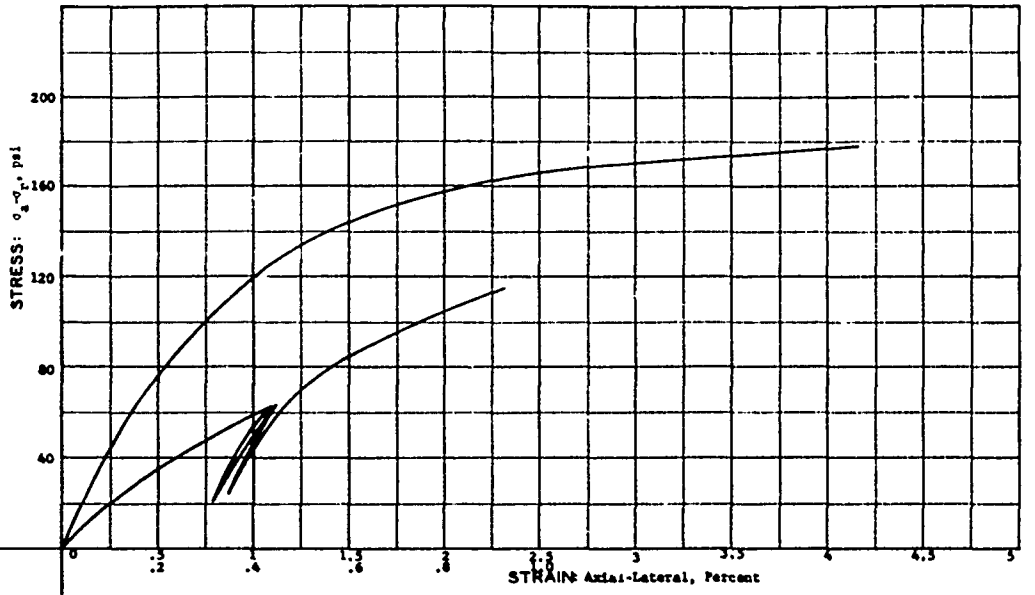
HYDROSTATIC COMPRESSION PHASE



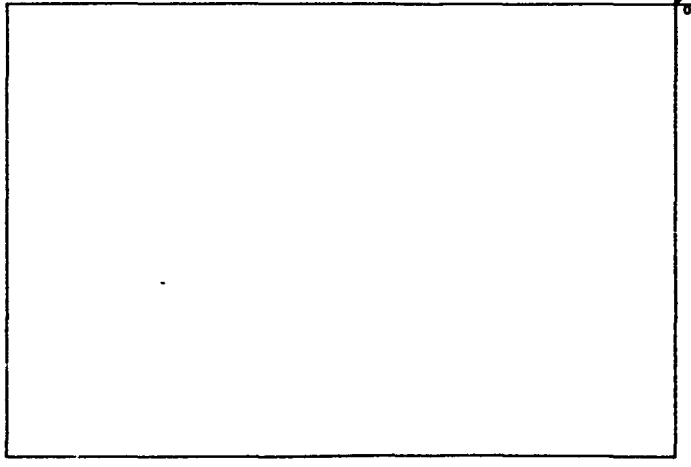
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 112
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		
Triaxial Cyclic @ 35%		
Lateral Pressure, 100 psi		

WATER CONTENT	w	10.78	%
VOID RATIO	e_0	0.34	
SATURATION	S_0	84.25	%
DRY DENSITY	γ_d	124.18	PCF
WET DENSITY	γ	137.57	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.52	CM
SPECIMEN HEIGHT	H_0	7.48	CM





HYDROSTATIC COMPRESSION PHASE

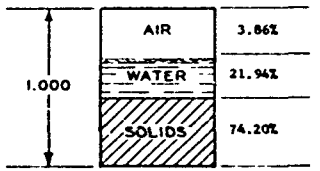


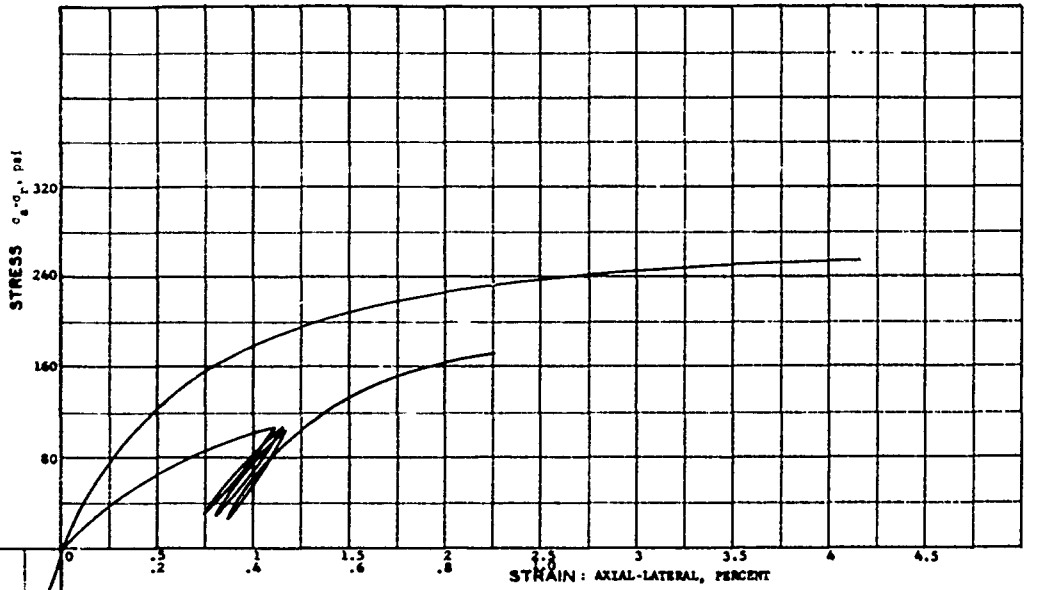
HYDROSTATIC PRESSURE, p, PSI

VOLUMETRIC STRAIN, $\Delta V/V_0$, PERCENT

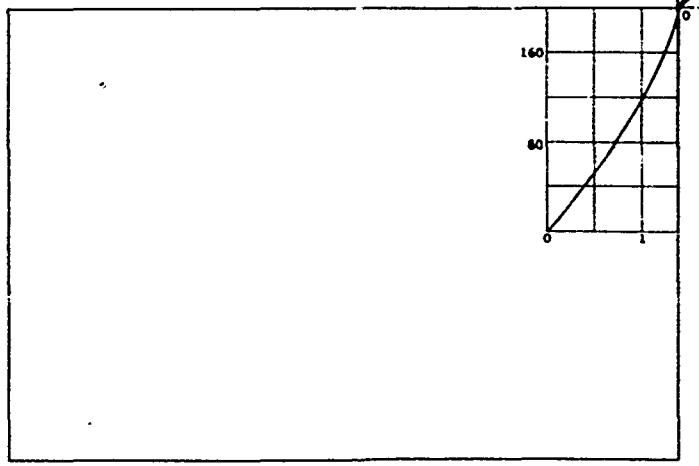
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0031		
AREA			
BORING NO.		SAMPLE NO. 115	
DEPTH EL		DATE	
LL 27	PL 15	PI 12	
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 35%		

WATER CONTENT	W	11.07	%
VOID RATIO	e_o	0.35	
SATURATION	S_o	85.03	%
DRY DENSITY	γ_d	123.62	PCF
WET DENSITY	γ	137.31	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_o	3.51	CM
SPECIMEN HEIGHT	H_o	7.50	CM



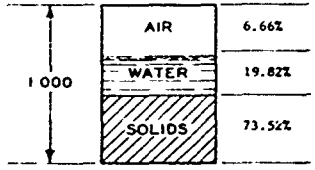


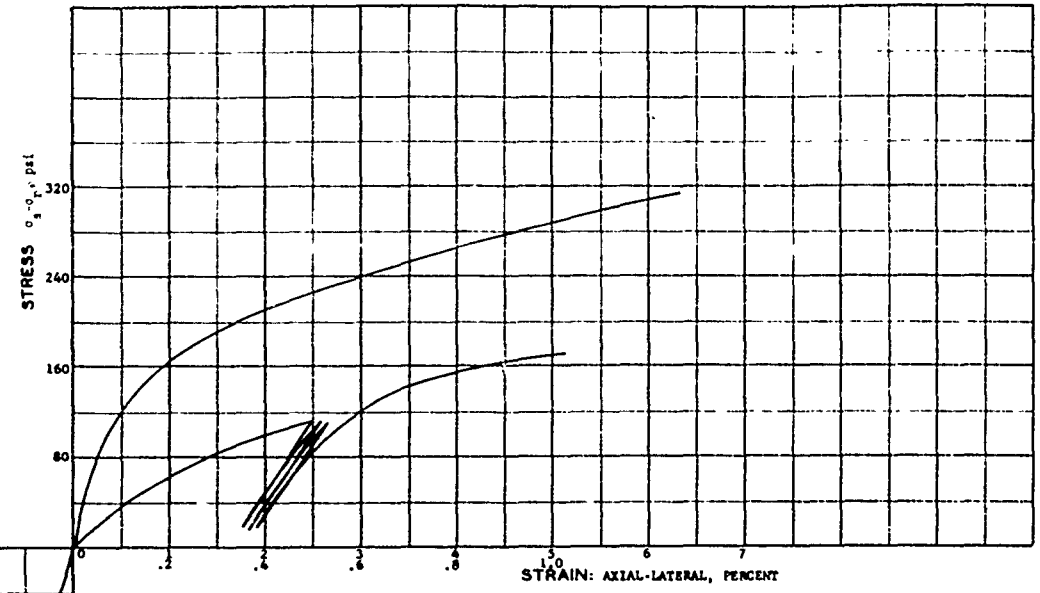
HYDROSTATIC COMPRESSION PHASE



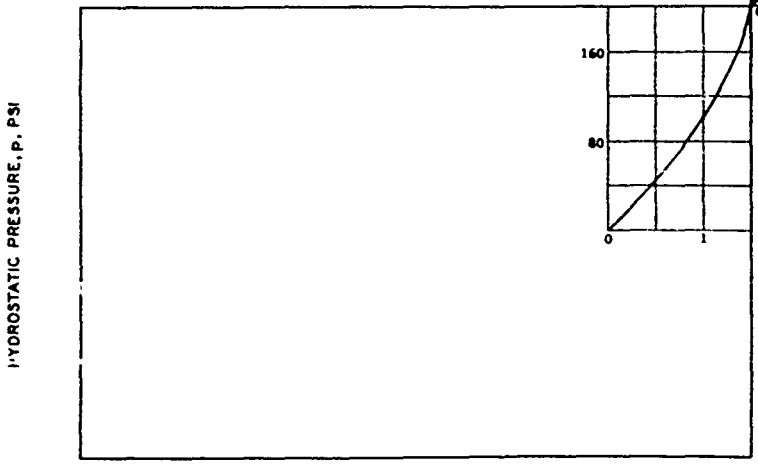
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 114
DEPTH EL.		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		
Triaxial-Cycle Shear @ 35%		

WATER CONTENT	W	10.10	%
VOID RATIO	e_0	0.36	
SATURATION	S_0	74.85	%
DRY DENSITY	γ_d	122.49	PCF
WET DENSITY	γ	134.86	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3 51	CM
SPECIMEN HEIGHT	H_0	7.63	CM



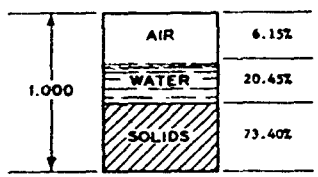


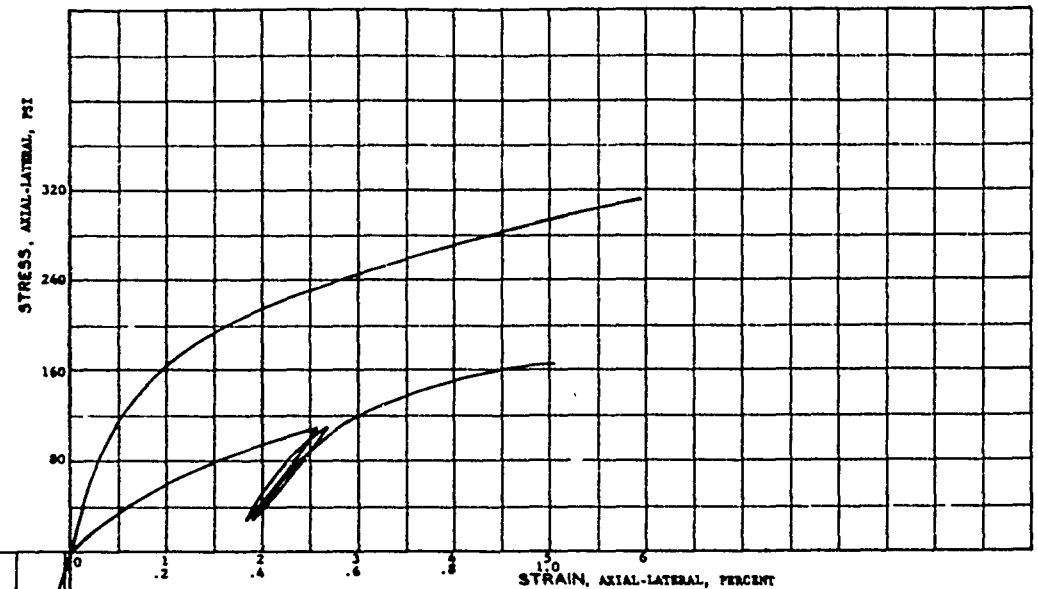
HYDROSTATIC COMPRESSION PHASE



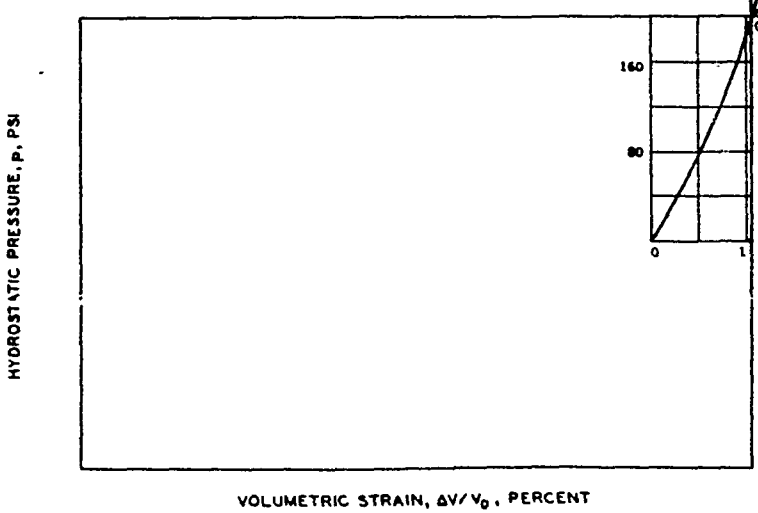
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 132
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Triaxial-Cycle Shear @ 35%	

WATER CONTENT	w	10 44 %
VOID RATIO	e_0	0.36
SATURATION	S_0	76.89 %
DRY DENSITY	γ_d	122.28 PCF
WET DENSITY	γ	135 05 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.65 CM



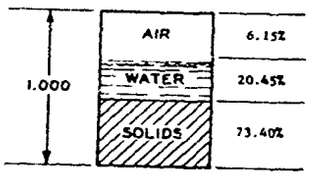


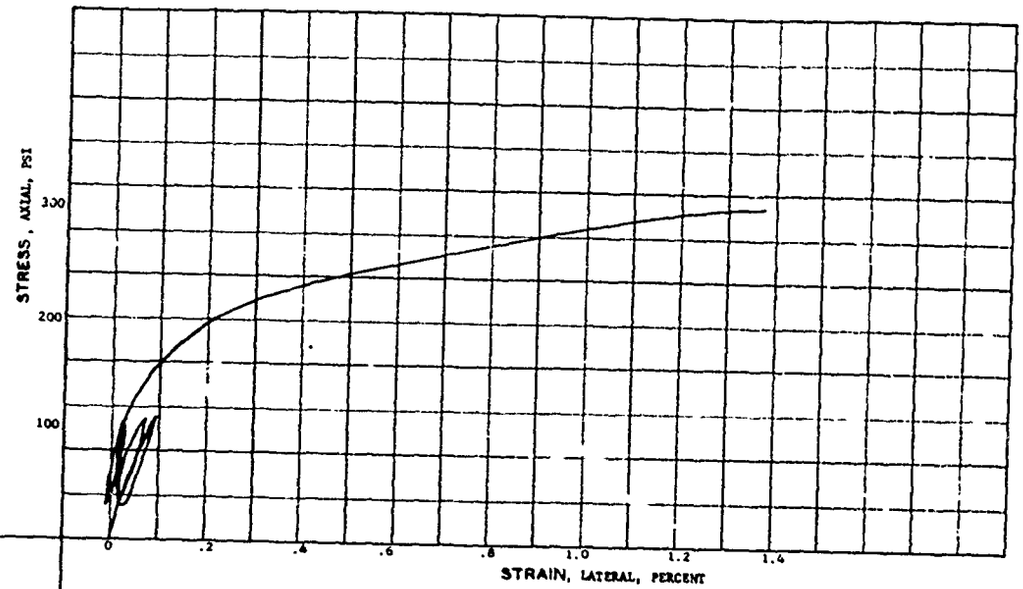
HYDROSTATIC COMPRESSION PHASE



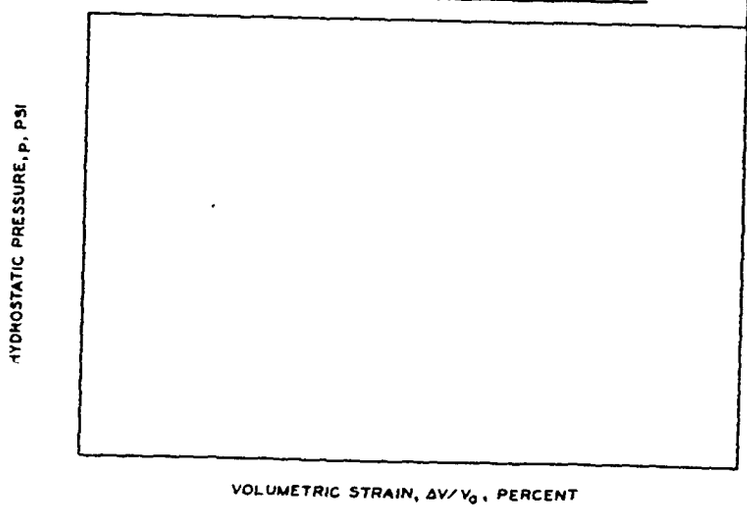
PROJECT Georgia Institute of Technology B-402		
Contract No DACA39 67 C 0031		
AREA		
BORING NO.		SAMPLE NO. 137
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		
Triaxial Cyclic @ 35%		
Lateral Pressure, 200 psi		

WATER CONTENT	w	10.44 %
VOID RATIO	e_o	0 36
SATURATION	S_o	76.89 %
DRY DENSITY	γ_d	122 28 PCF
WET DENSITY	γ	135 0[illegible] PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_o	. 50 CM
SPECIMEN HEIGHT	H_o	7.65 CM



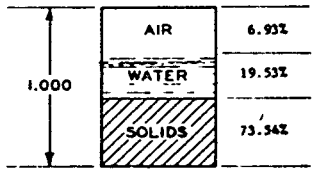


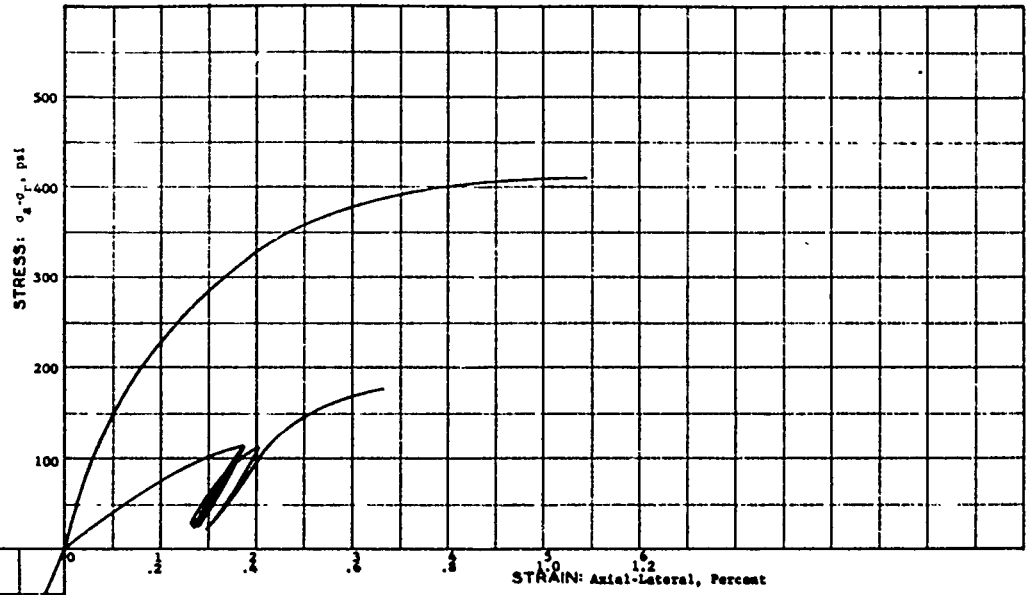
HYDROSTATIC COMPRESSION PHASE



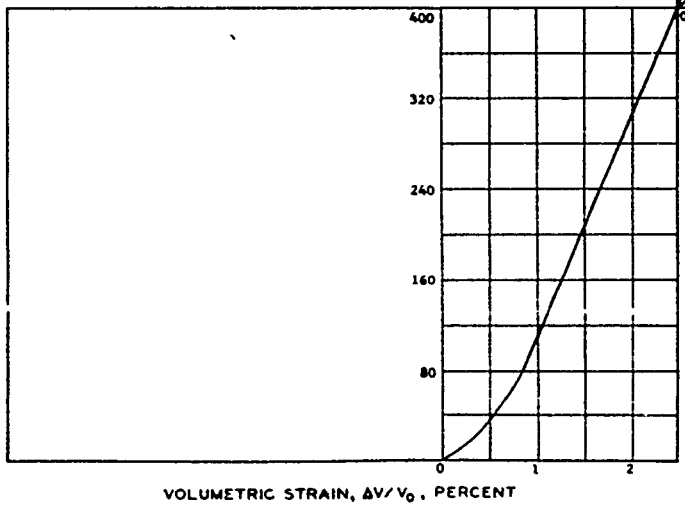
PROJECT Georgia Institute of Technology B-602			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 137	
DEPTH EL		DATE	
LL 27	PL 15		PI 12
DESCRIPTION McCormick Ranch Sand			
Triaxial Cyclic @ 35%			
Lateral Pressure, 200 psi			

WATER CONTENT	w	9.94	%
VOID RATIO	e_0	0.36	
SATURATION	S_0	73.80	%
DRY DENSITY	γ_d	122.53	PCF
WET DENSITY	γ	134.71	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7.64	CM





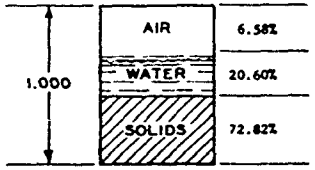
HYDROSTATIC COMPRESSION PHASE

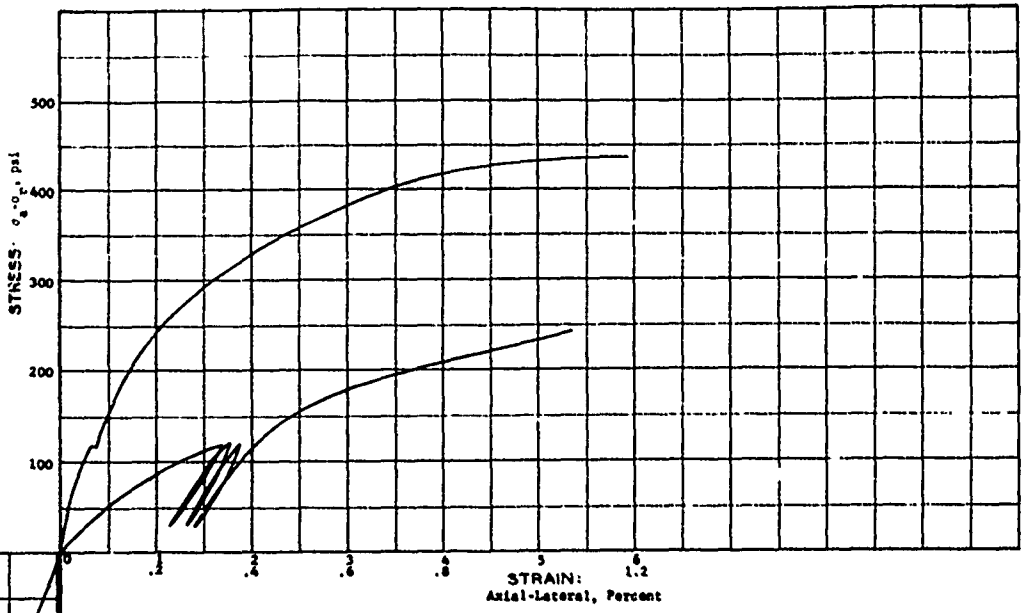


T9

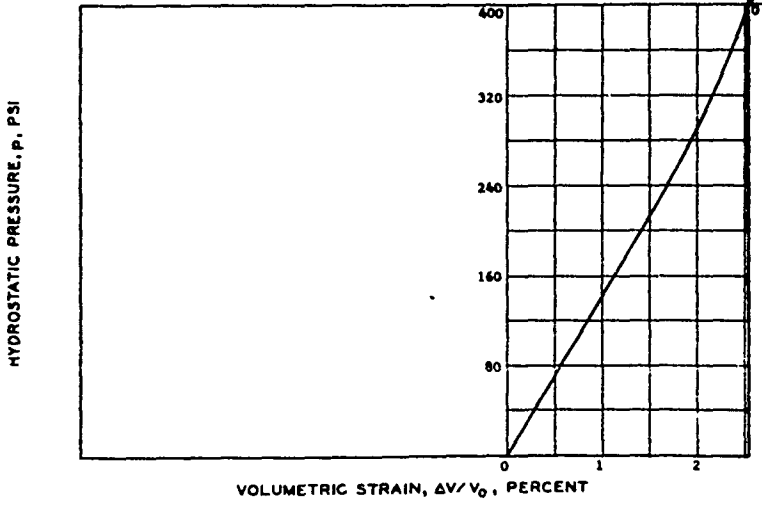
PROJECT Ga Tech B-602;		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 133
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		
Triaxial-Cycle Shear @ 35%		

WATER CONTENT	W	10.59	%
VOID RATIO	e_0	0.37	
SATURATION	S_0	75.80	%
DRY DENSITY	γ_d	121.33	PCF
WET DENSITY	γ	134.18	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7.64	CM



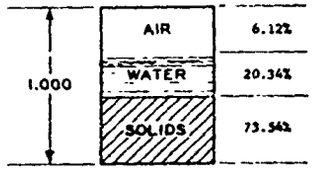


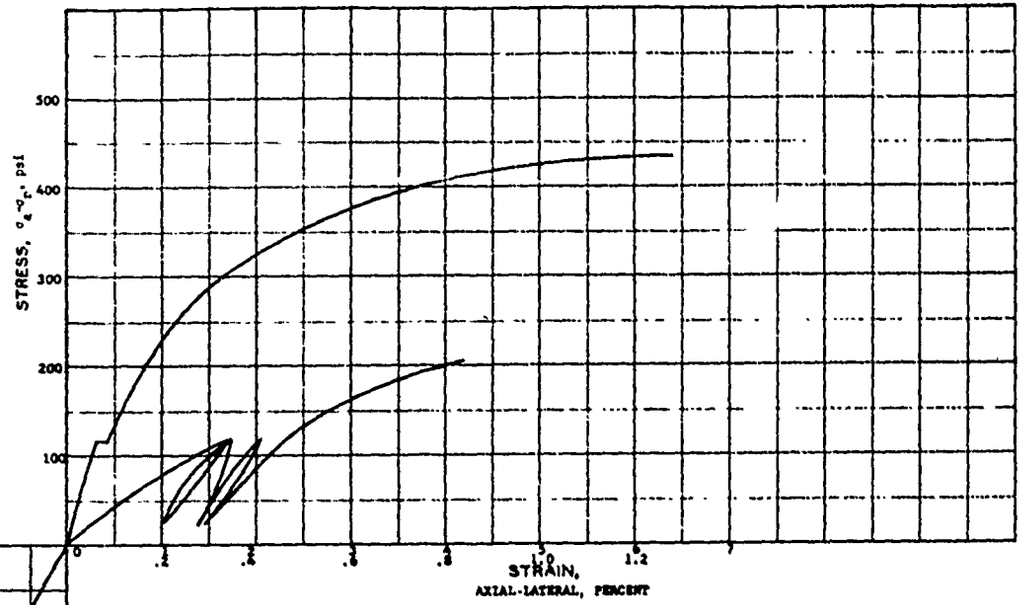
HYDROSTATIC COMPRESSION PHASE



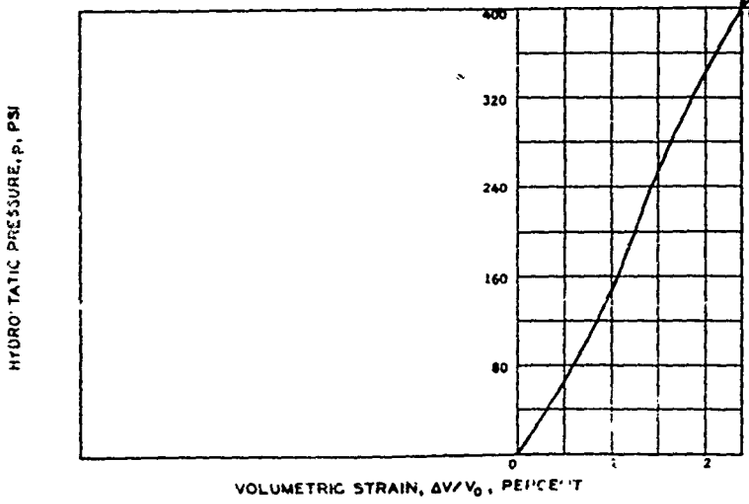
PROJECT	Ga Tech B-602;		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	136
DEPTH EL		DATE	
LL 27	PL 15	PI 12	
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 35%		

WATER CONTENT	w	10.36 %
VOID RATIO	e_0	0.36
SATURATION	S_0	76.88 %
DRY DENSITY	γ_d	122.53 PCF
WET DENSITY	γ	135.22 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.51 CM
SPECIMEN HEIGHT	H_0	7.64 CM



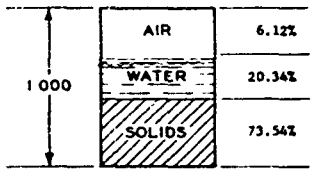


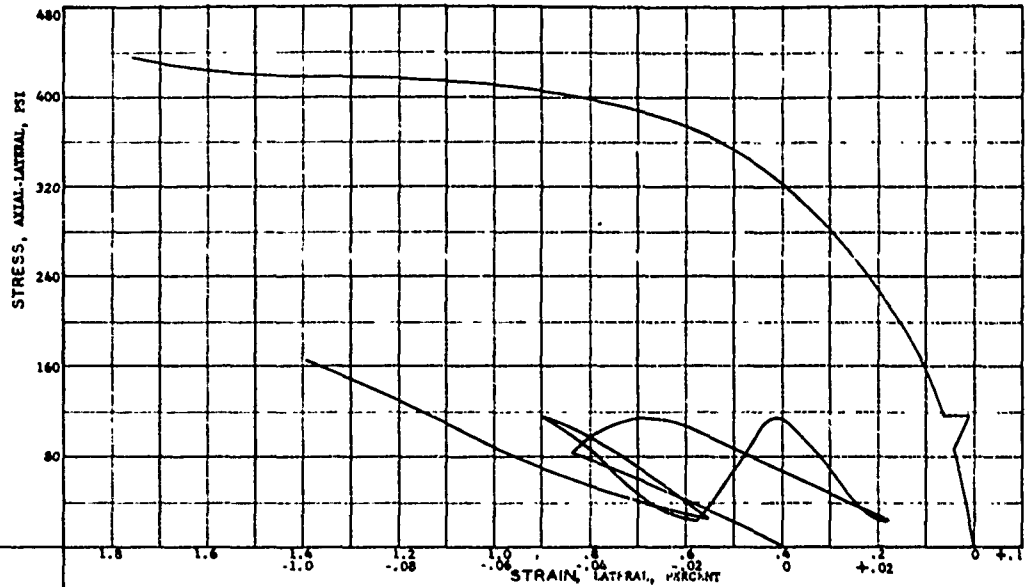
HYDROSTATIC COMPRESSION PHASE



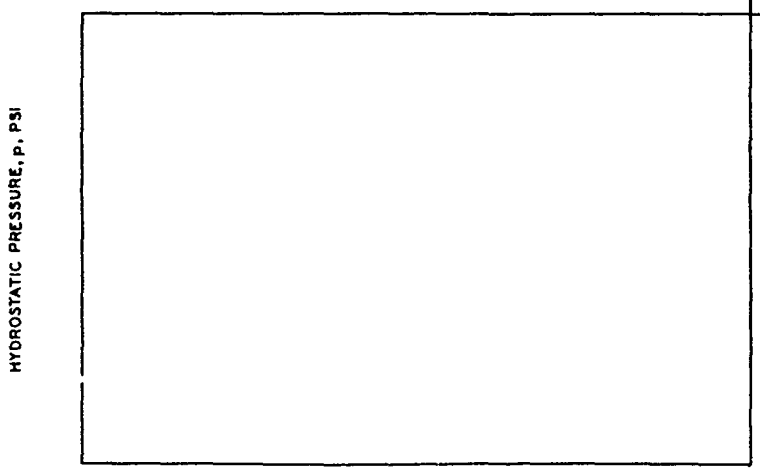
PROJECT Ga Tech B-602;
Contract No. DACA39-67-C-0031
AREA
BORING NO. SAMPLE NO. 137A
DEPTH DATE
EL
LL 27 PL 15 PI 12
DESCRIPTION McCormick Ranch Sand
Triaxial-Cycle Shear @ 35%

WATER CONTENT	w	10.36 %
VOID RATIO	e_0	0.36
SATURATION	S_0	76.88 %
DRY DENSITY	γ_d	122.53 PCF
WET DENSITY	γ	135.22 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.51 CM
SPECIMEN HEIGHT	H_0	7.64 CM



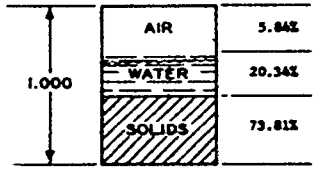


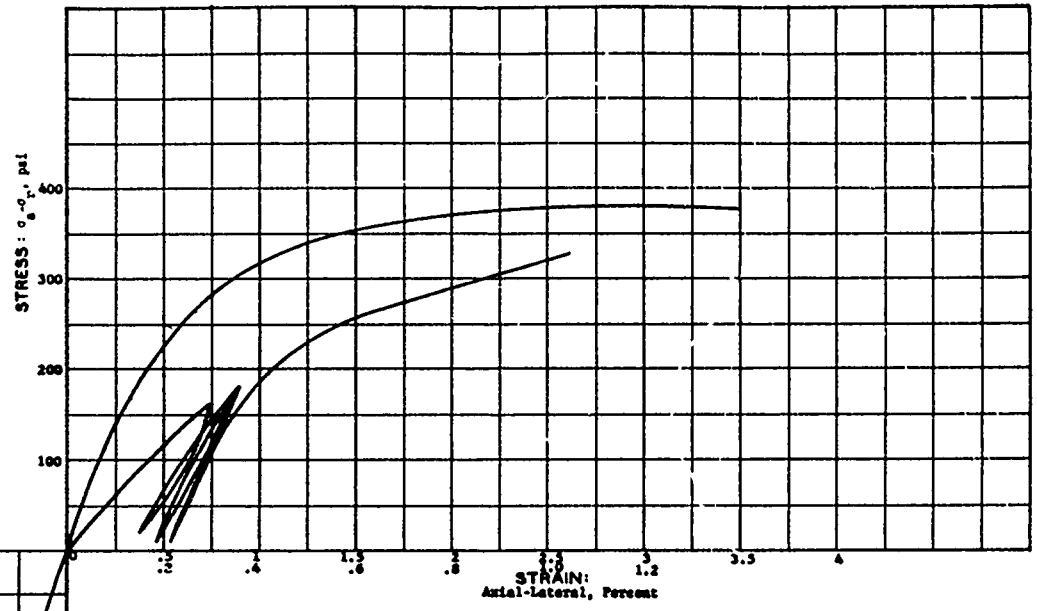
HYDROSTATIC COMPRESSION PHASE



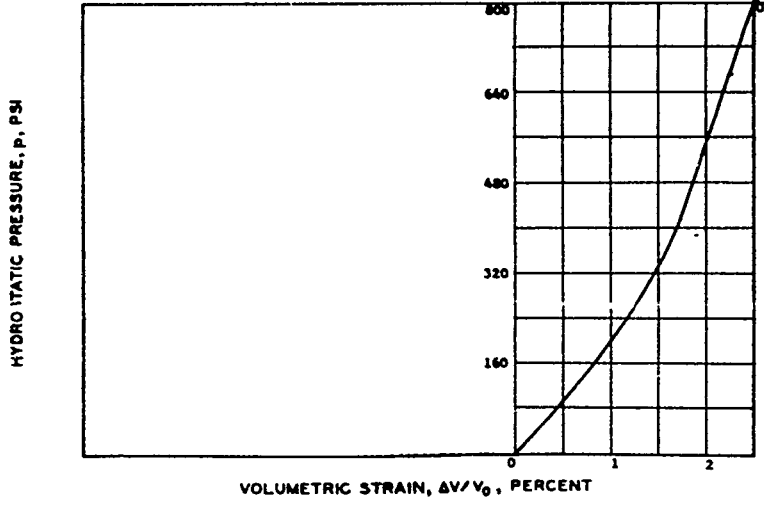
PROJECT	Ga Tech S-602;	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 137A
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Triaxial-Cycle Shear @ 35%	

WATER CONTENT	w	10.32 %
VOID RATIO	e_0	0.35
SATURATION	S_0	77.88 %
DRY DENSITY	γ_d	122.97 PCF
WET DENSITY	γ	135.67 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.53 CM
SPECIMEN HEIGHT	H_0	7.47 CM



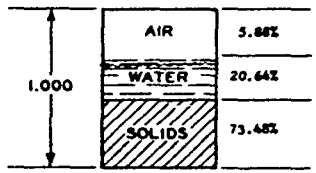


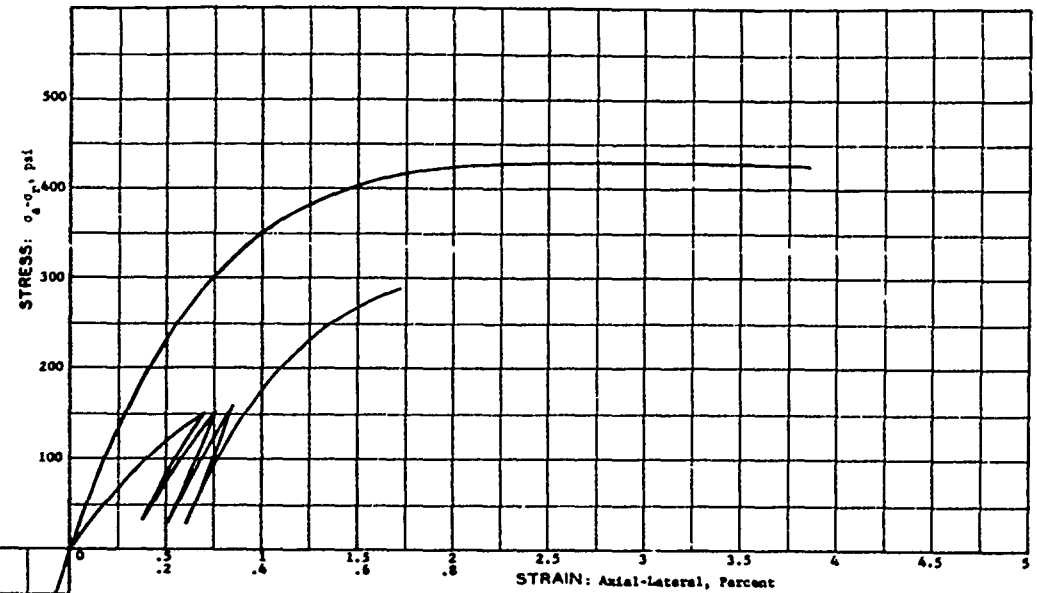
HYDROSTATIC COMPRESSION PHASE



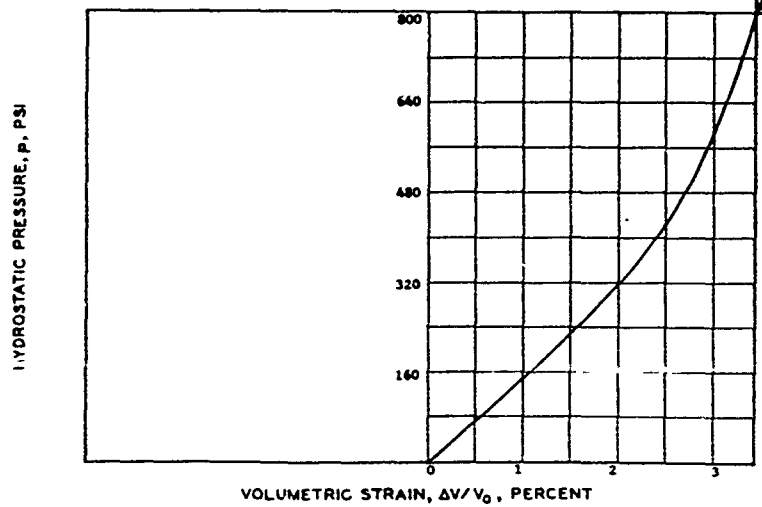
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	130
DEPTH EL.		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 35%		

WATER CONTENT	w	10.52	%
VOID RATIO	e_o	0.36	
SATURATION	S_o	77.82	%
DRY DENSITY	γ_d	122.43	PCF
WET DENSITY	γ	135.31	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_o	3.50	CM
SPECIMEN HEIGHT	H_o	7.65	CM



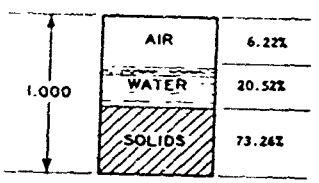


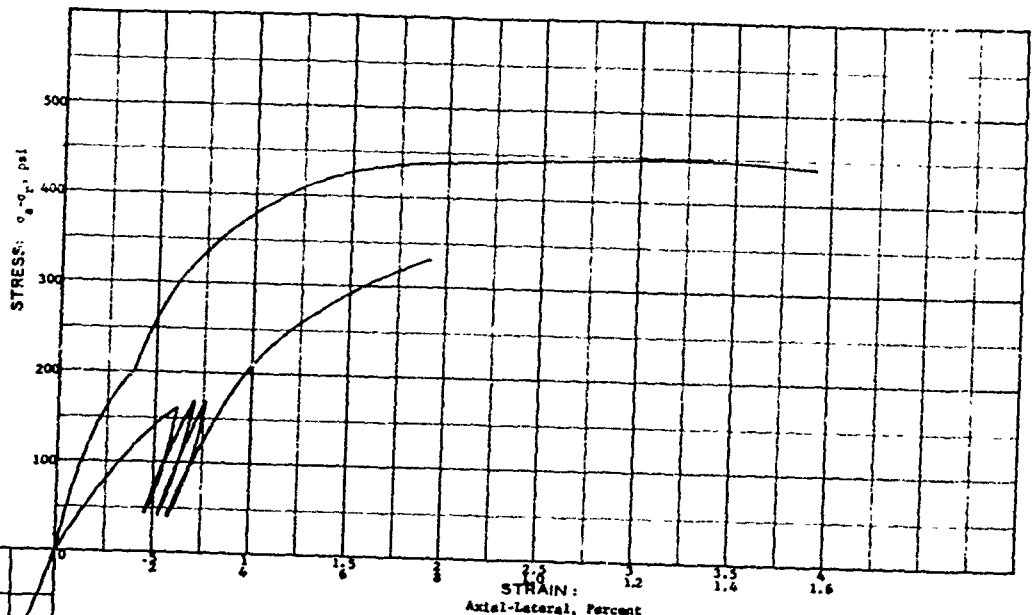
HYDROSTATIC COMPRESSION PHASE



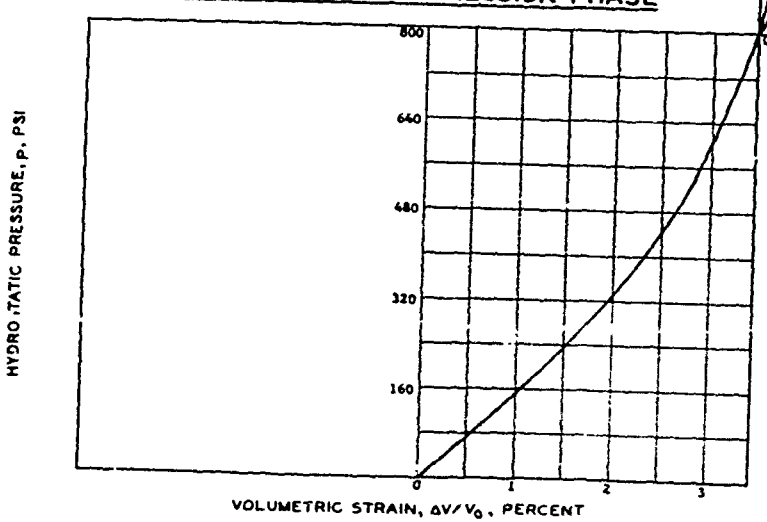
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO	134
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 35%		

WATER CONTENT	w	10.49 %
VOID RATIO	e_0	0.36
SATURATION	S_0	76.73 %
DRY DENSITY	γ_d	122 06 PCF
WET DENSITY	γ	134 86 PCF
SPECIFIC GRAVITY	G_s	2 67
SPECIMEN DIAMETER	D_0	3.51 CM
SPECIMEN HEIGHT	H_0	7.62 CM



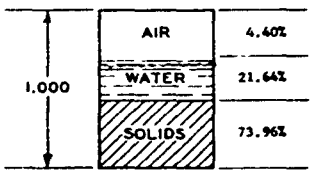


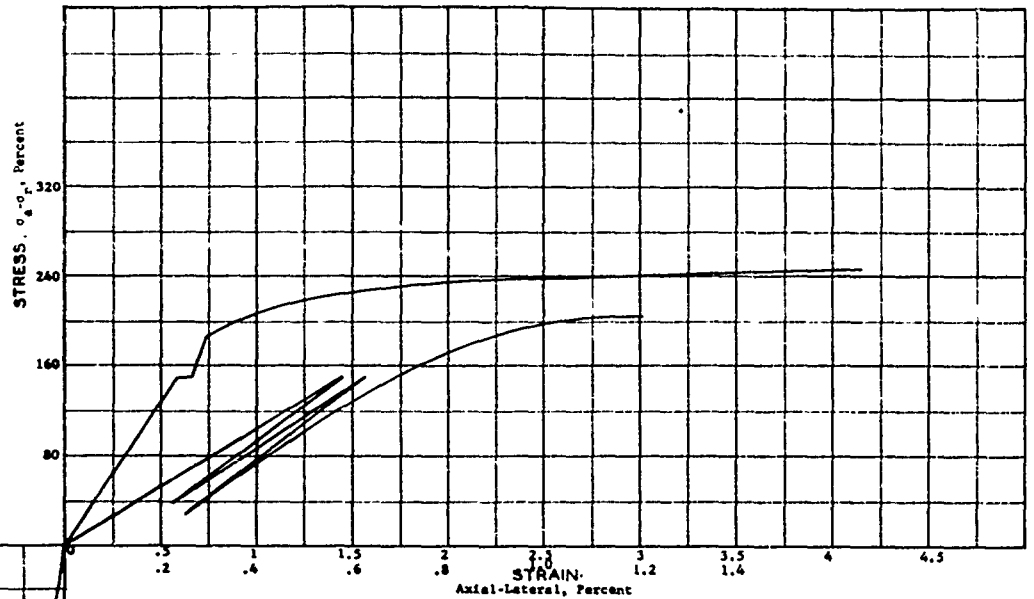
HYDROSTATIC COMPRESSION PHASE



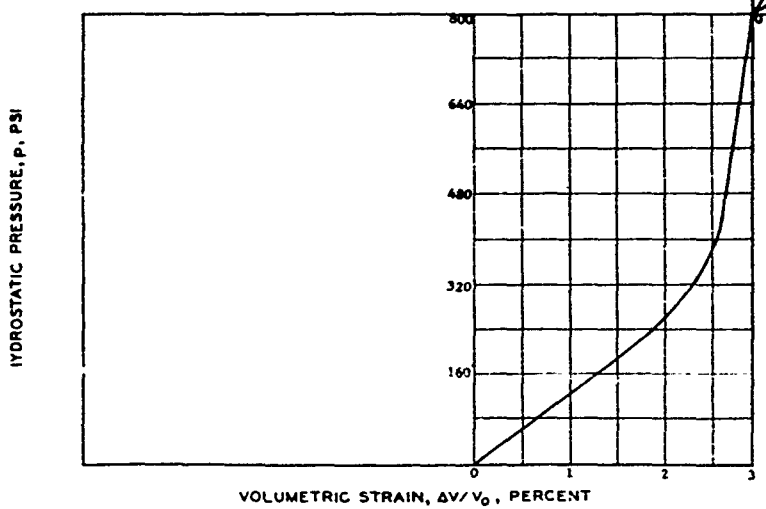
PROJECT Ga Tech B-602, Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 135	
DEPTH EL		DATE	
LL 27	PL 15		PI 12
DESCRIPTION McCormick Ranch Sand Triaxial-Cyclic Shear @ 35%			

WATER CONTENT	w	10.96	%
VOID RATIO	e_0	0.35	
SATURATION	S_0	83.10	%
DRY DENSITY	γ_d	123.23	PCF
WET DENSITY	γ	136.73	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.52	CM



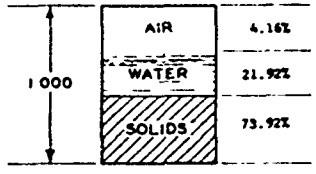


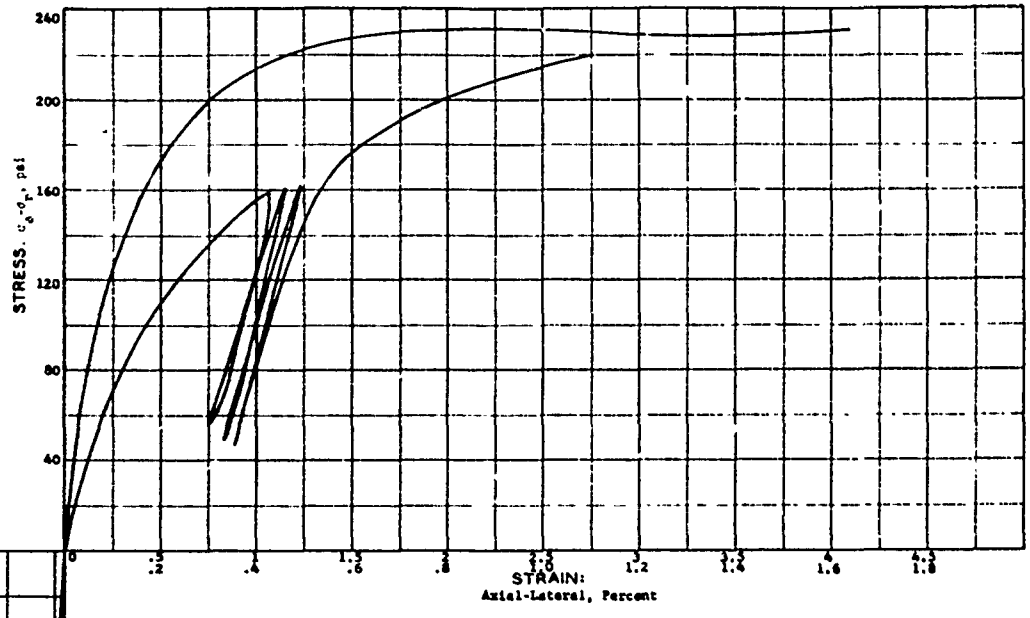
HYDROSTATIC COMPRESSION PHASE



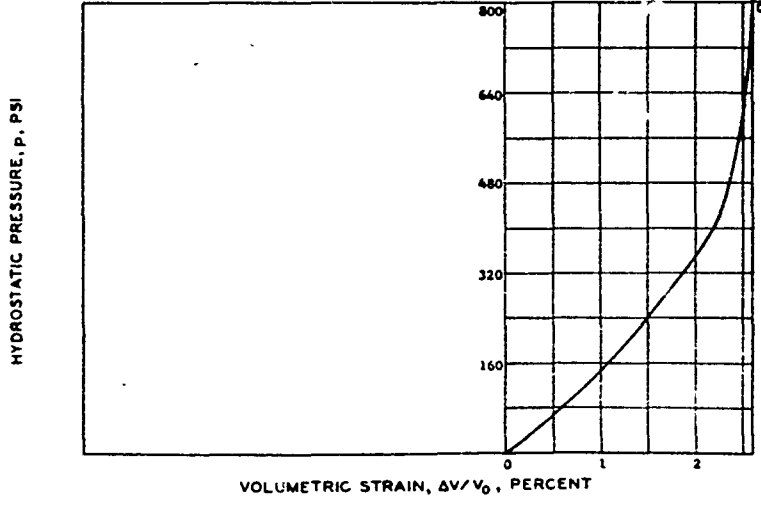
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	138
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 35%		

WATER CONTENT	w	10.11 %
VOID RATIO	e_0	0.35
SATURATION	S_0	84.04 %
DRY DENSITY	γ_d	123.15 PCF
WET DENSITY	γ	136.83 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.53 CM



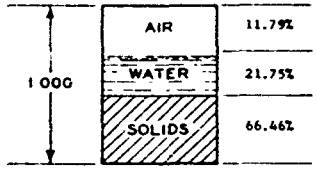


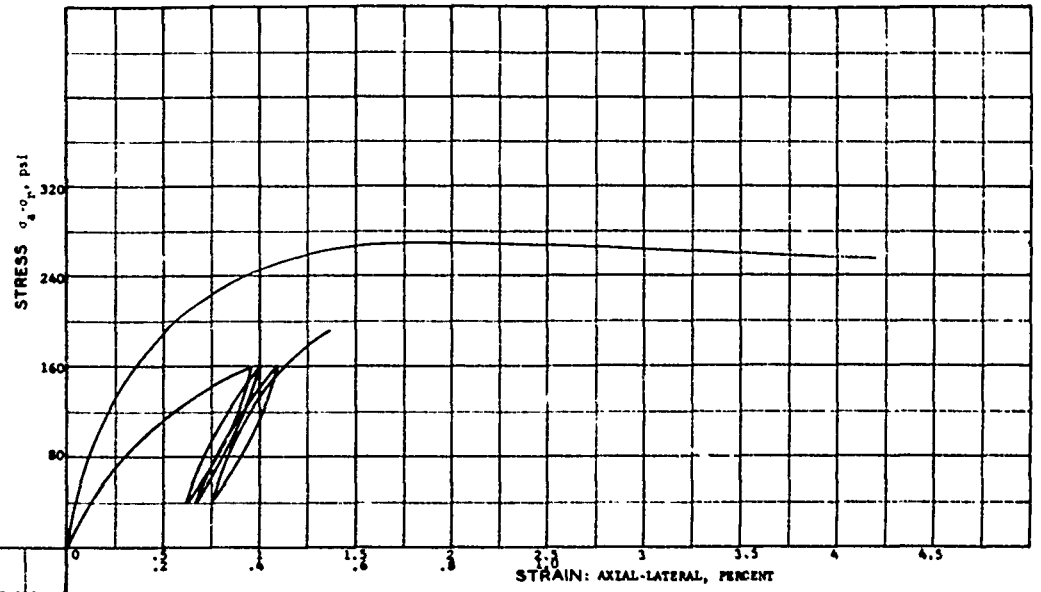
HYDROSTATIC COMPRESSION PHASE



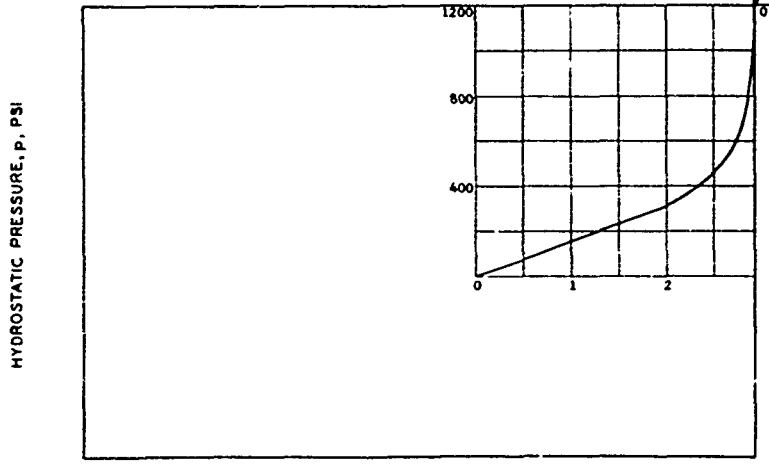
PROJECT	Ga Tech B-603;		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO	139
DEPTH			
EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 35%		

WATER CONTENT	w	12.26 %
VOID RATIO	e_0	0.50
SATURATION	S_0	64.85 %
DRY DENSITY	γ_d	110.73 PCF
WET DENSITY	γ	124.30 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.55 CM



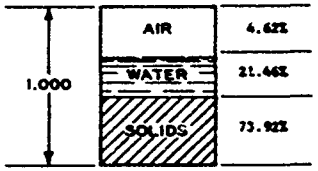


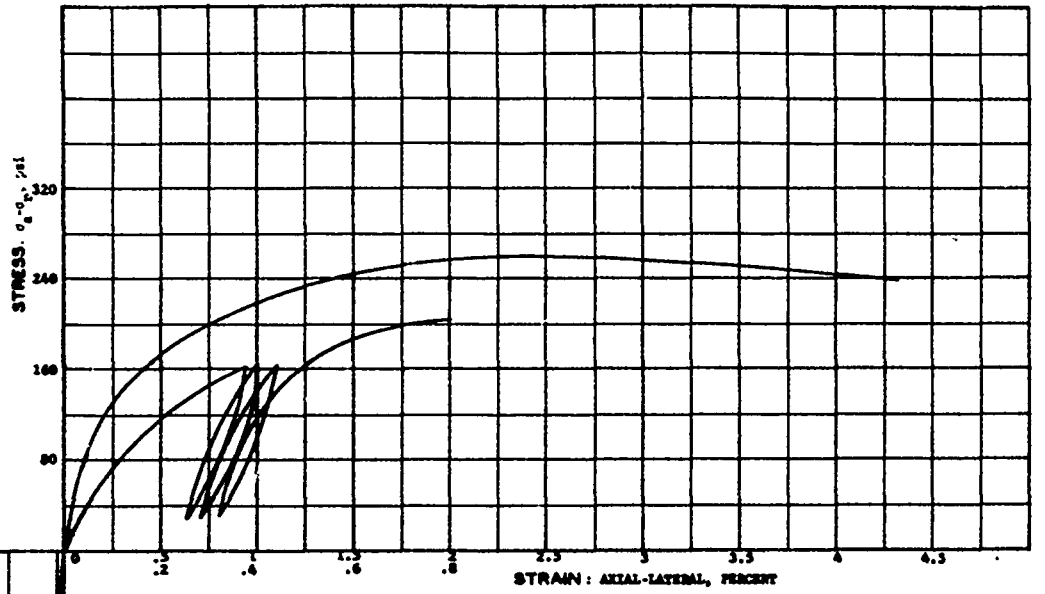
HYDROSTATIC COMPRESSION PHASE



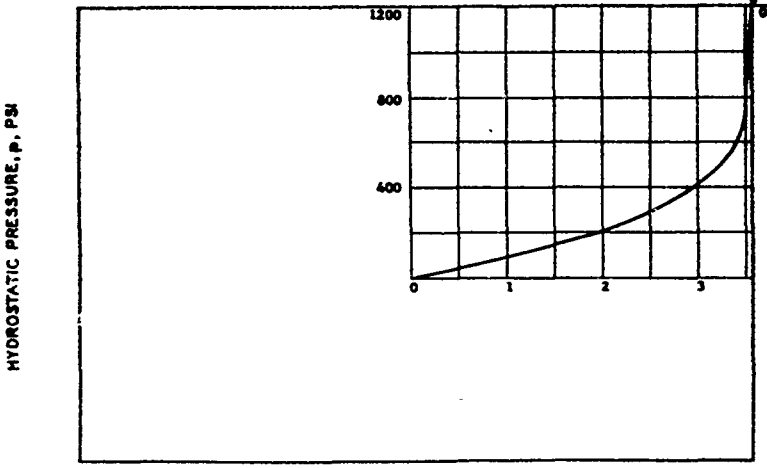
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 142
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Triaxial-Cycle Shear @ 35%	

WATER CONTENT	w	10.67 %
VOID RATIO	e_0	0.55
SATURATION	S_0	82.29 %
DRY DENSITY	γ_d	123.16 PCF
WET DENSITY	γ	136.55 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	2.90 CM
SPECIMEN HEIGHT	H_0	7.54 CM



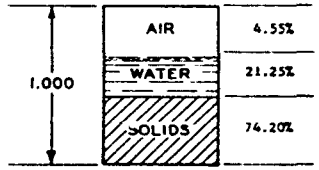


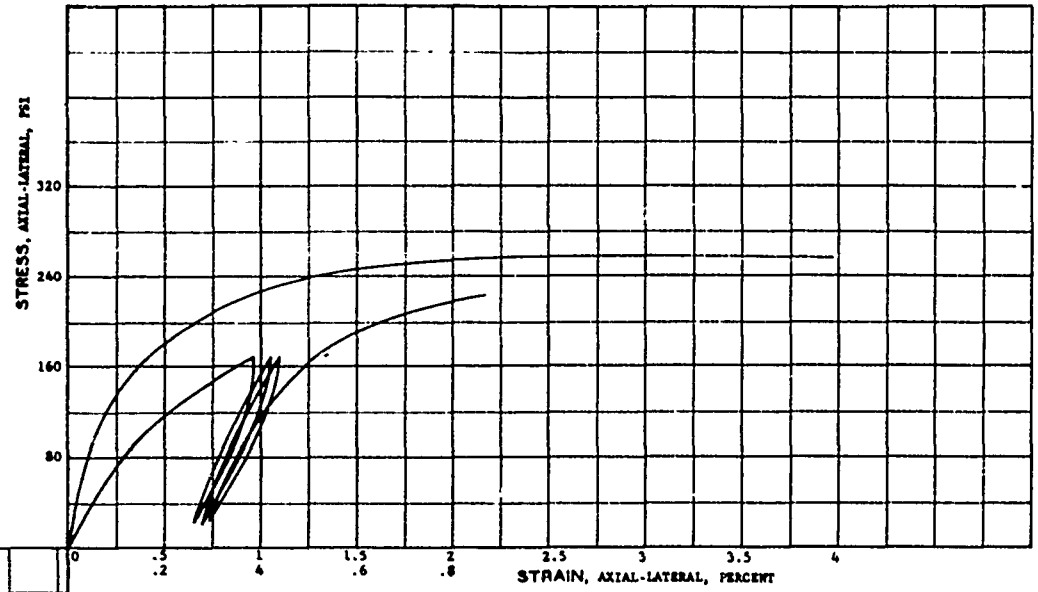
HYDROSTATIC COMPRESSION PHASE



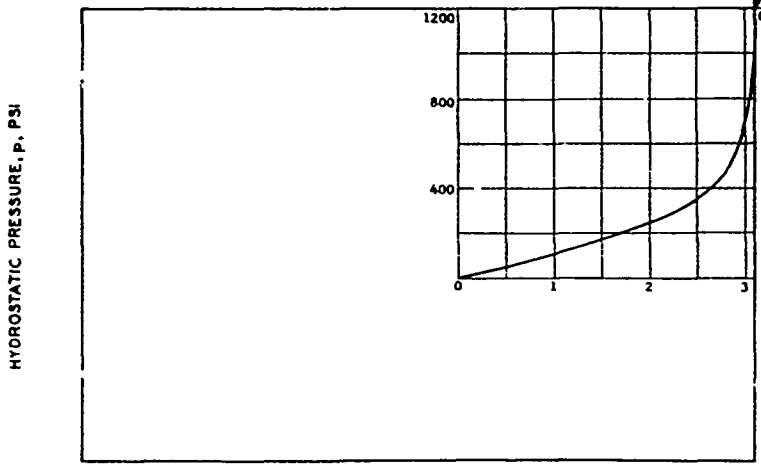
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 143
DEPTH EL		DATE
LL 27	PL 13	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Triaxial-Cycle Shear @ 35%	

WATER CONTENT	w	10 72 %
VOID RATIO	e_o	0 3
SATURATION	S_o	82.35 %
DRY DENSITY	γ_d	123 62 PCF
WET DENSITY	γ	136.88 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_o	3 50 CM
SPECIMEN HEIGHT	H_o	7.53 CM



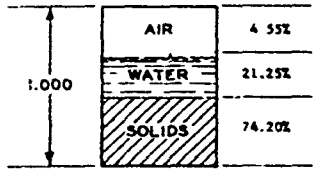


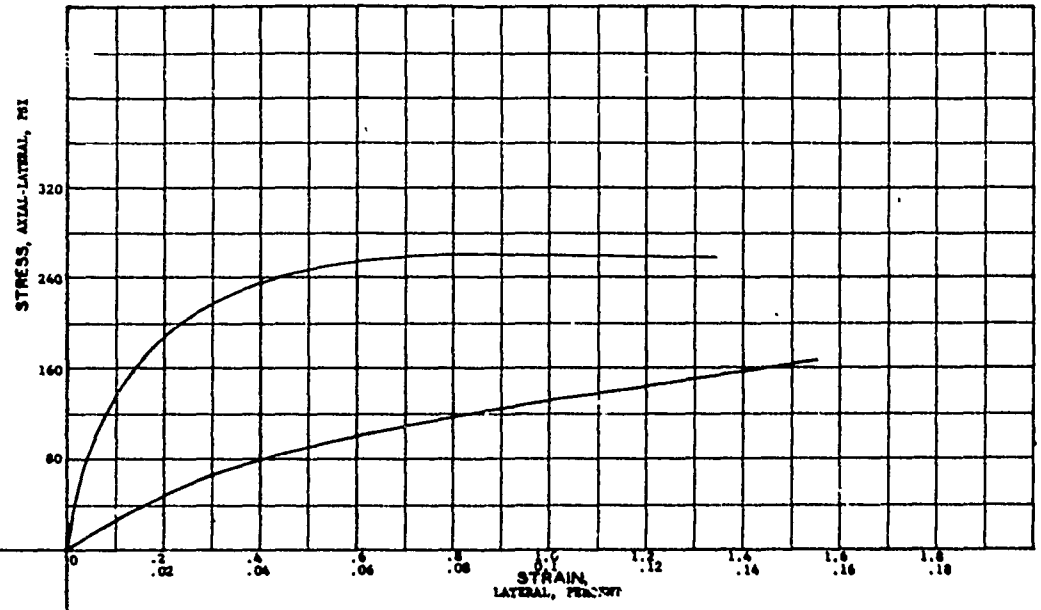
HYDROSTATIC COMPRESSION PHASE



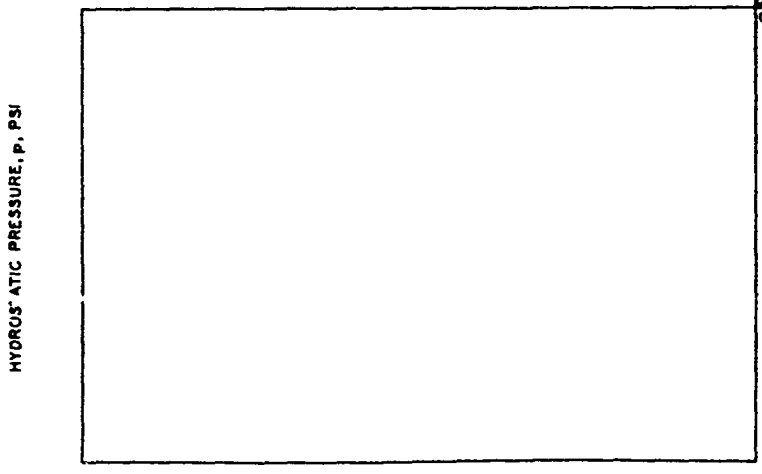
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO		SAMPLE NO. 149
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Triaxial Cyclic @ 35%	
	Lateral Pressure, 1200 psi	

WATER CONTENT	W	10 72	%
VOID RATIO	e_0	0.35	
SATURATION	S_0	82.35	%
DRY DENSITY	γ_d	123.62	PCF
WET DENSITY	γ	136.88	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.53	CM



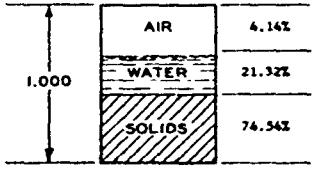


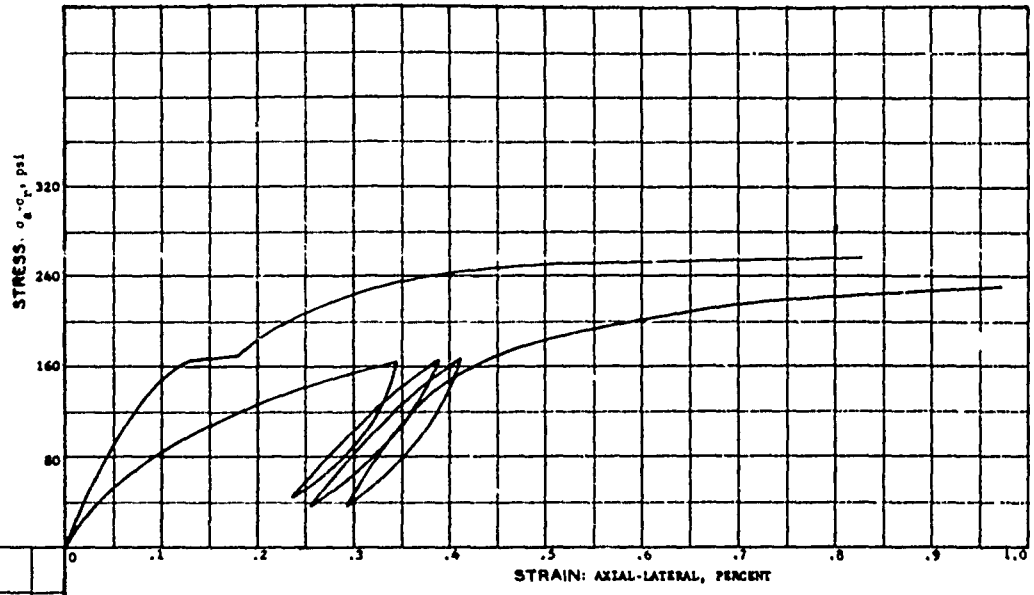
HYDROSTATIC COMPRESSION PHASE



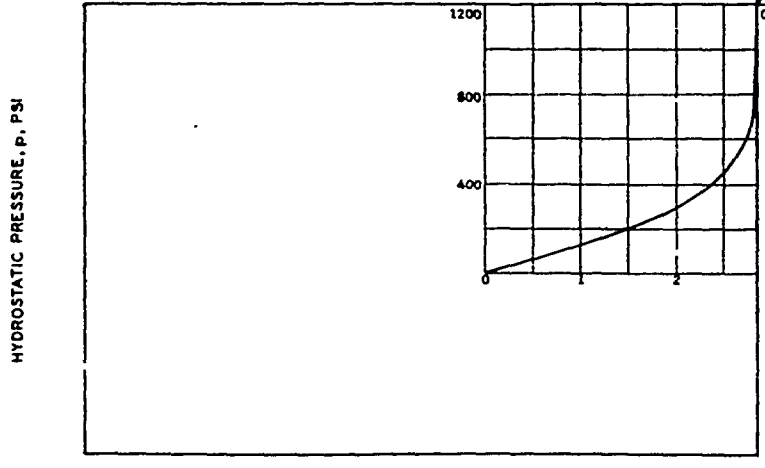
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 149	
DEPTH EL	DATE	
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		
Triaxial Cyclic @ 35%		
Lateral Pressure, 1200 psi		

WATER CONTENT	w	10.71	%
VOID RATIO	e_o	0.34	
SATURATION	S_o	83.75	%
DRY DENSITY	γ_d	124.19	PCF
WET DENSITY	γ	137.50	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_o	3.50	CM
SPECIMEN HEIGHT	H_o	7.56	CM



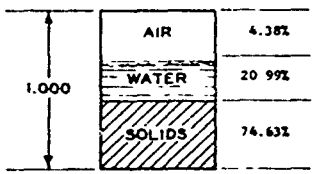


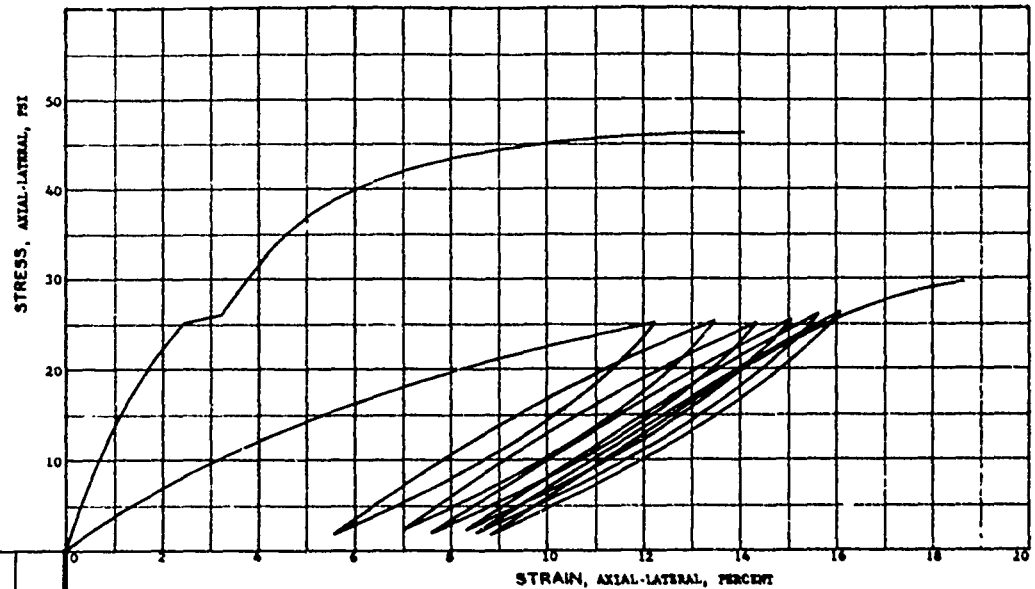
HYDROSTATIC COMPRESSION PHASE



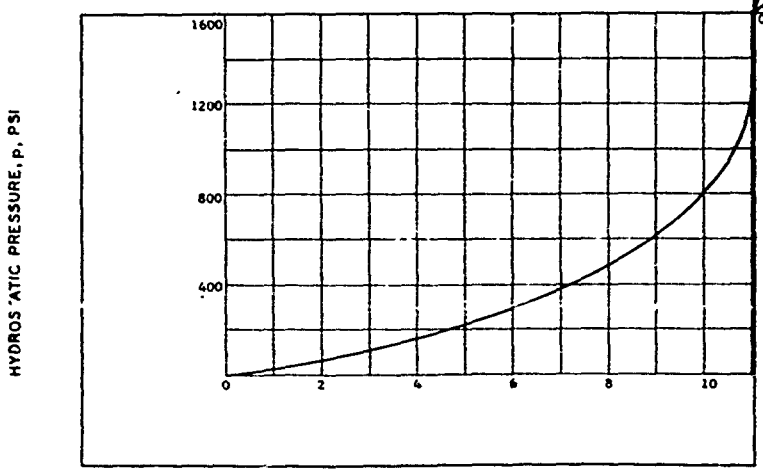
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO. 150	
DEPTH EL		DATE	
LL 27	PL 15	PI 12	
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 35%		

WATER CONTENT	W	10 53 %
VOID RATIO	e_o	0 34
SATURATION	S_o	82.75 %
DRY DENSITY	γ_d	124.35 PCF
WET DENSITY	γ	137 44 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_o	3.56 CM
SPECIMEN HEIGHT	H_o	7.53 CM



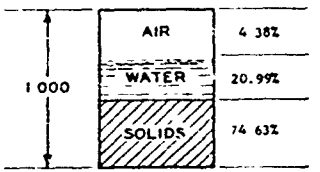


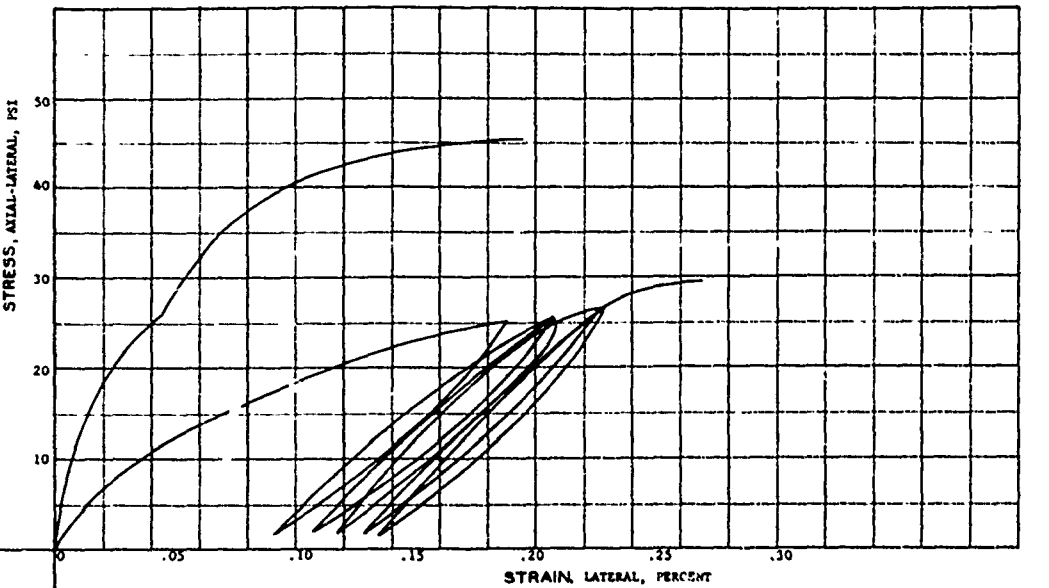
HYDROSTATIC COMPRESSION PHASE



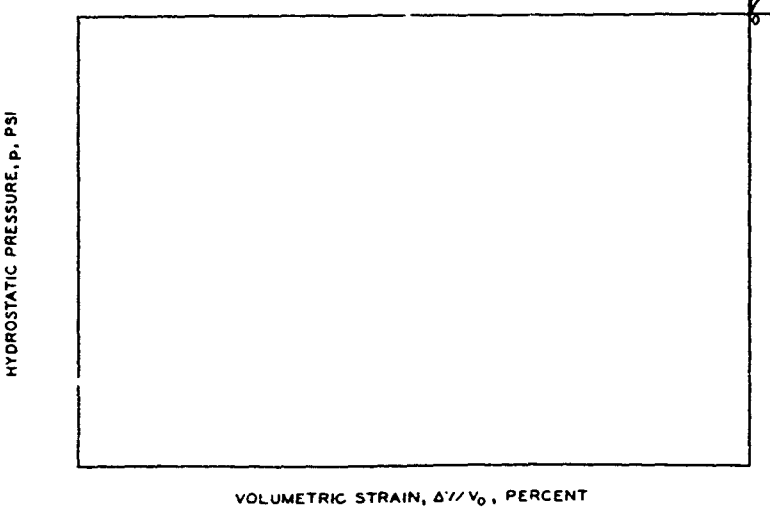
PROJECT Georgia Institute of Technology B-402		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 100
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		
Triaxial Cyclic @ 35%		
Lateral Pressure, 200 psi		

WATER CONTENT	W	10 53	%
VOID RATIO	e_0	0 34	
SATURATION	S_0	82.75	%
DRY DENSITY	γ_d	124.35	PCF
WET DENSITY	γ	137 44	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.56	CM
SPECIMEN HEIGHT	H_0	7.53	CM



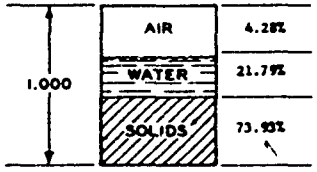


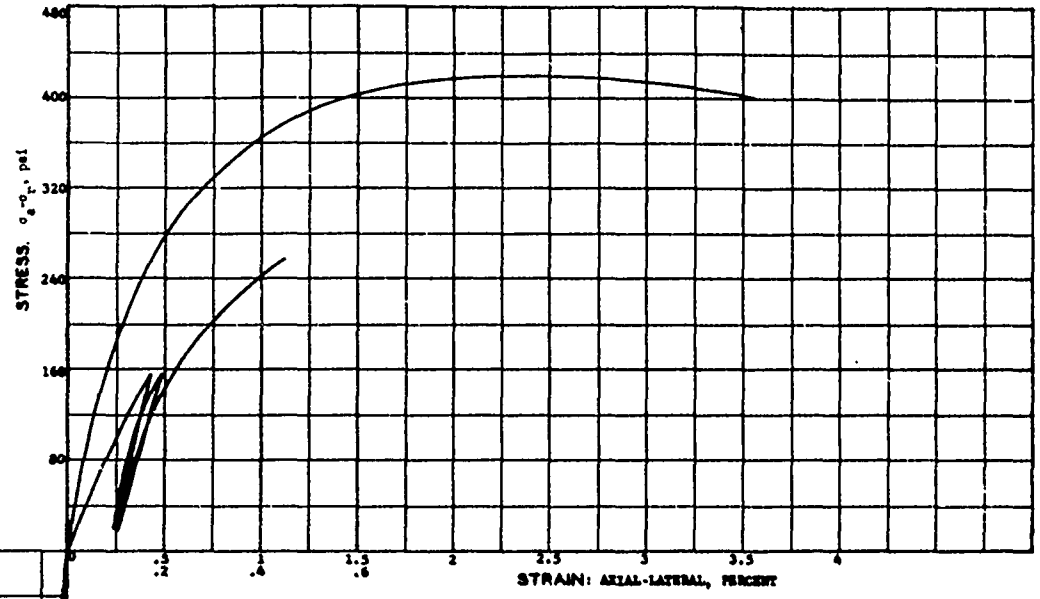
HYDROSTATIC COMPRESSION PHASE



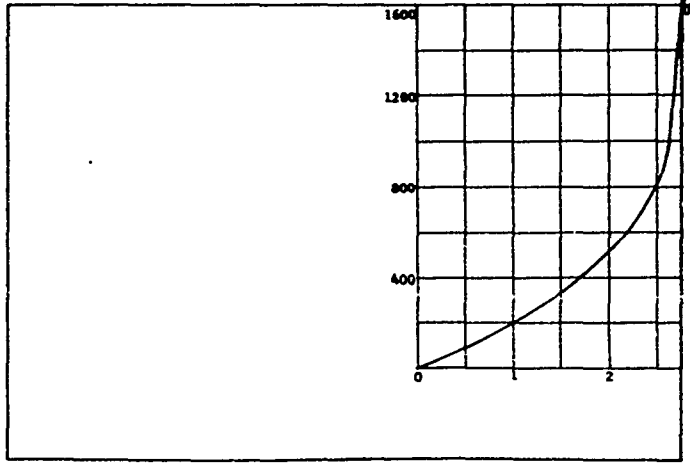
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 100	
DEPTH EL	DATE	
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		
Triaxial Cyclic @ 35%		
Lateral Pressure, 200 psi		

WATER CONTENT	W	11.04	%
VOID RATIO	e_0	0.35	
SATURATION	S_0	83.58	%
DRY DENSITY	γ_d	123.17	PCF
WET DENSITY	γ	136.77	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7.44	CM



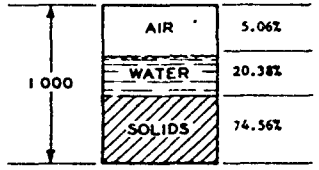


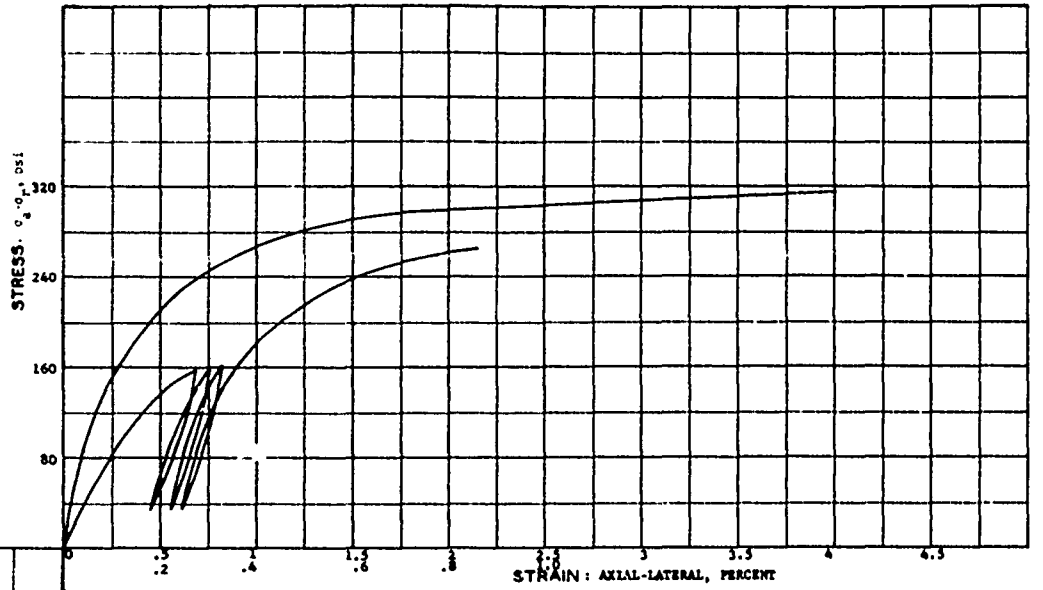
HYDROSTATIC COMPRESSION PHASE



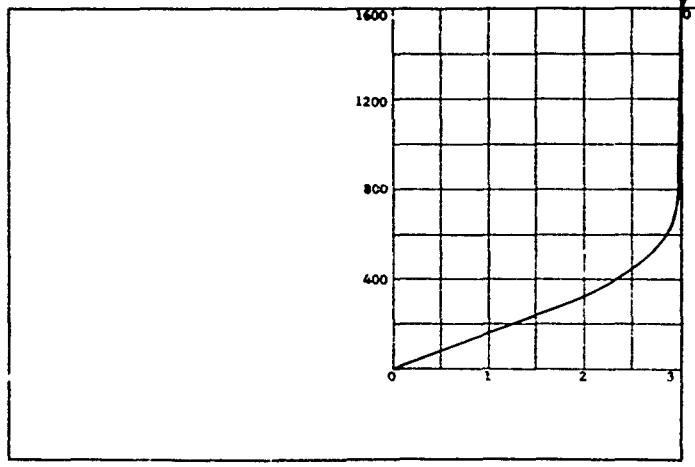
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 125
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Triaxial-Cycle Shear @ 3%	

WATER CONTENT	w	10.24	%
VOID RATIO	e_o	0.34	
SATURATION	S_o	80.11	%
DRY DENSITY	γ_d	124.23	PCF
WET DENSI 'Y	γ	136.94	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_o	3.50	CM
SPECIMEN HEIGHT	H_o	7.55	CM



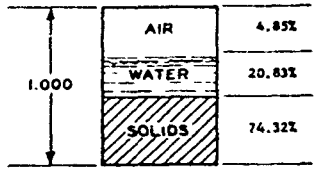


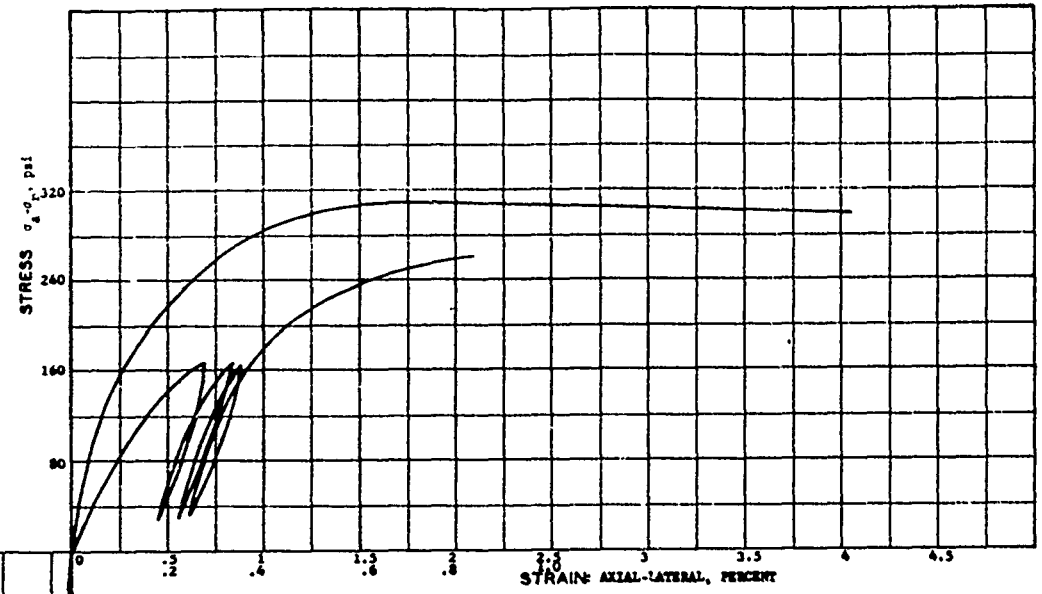
HYDROSTATIC COMPRESSION PHASE



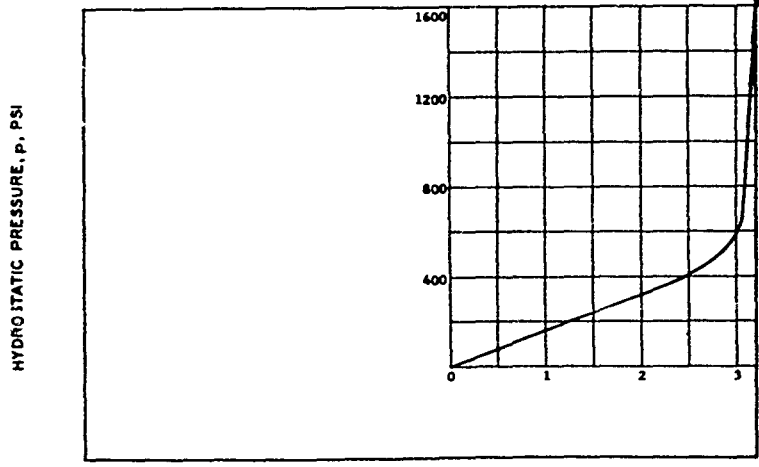
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	153
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCollaick Ranch Sand		
	Triaxial-Cycle Shear @ 35%		

WATER CONTENT	w	10.50 %
VOID RATIO	e_0	0.35
SATURATION	S_0	81.10 %
DRY DENSITY	γ_d	123.82 PCF
WET DENSITY	γ	136.81 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.53 CM



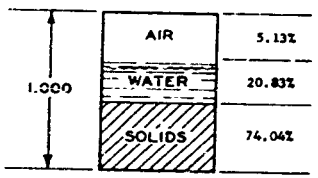


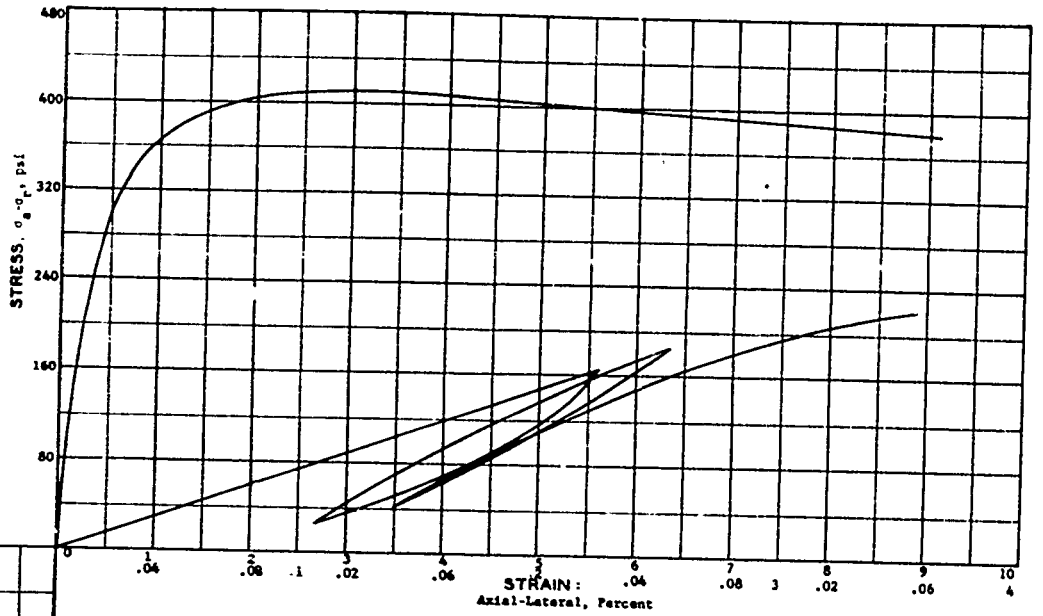
HYDROSTATIC COMPRESSION PHASE



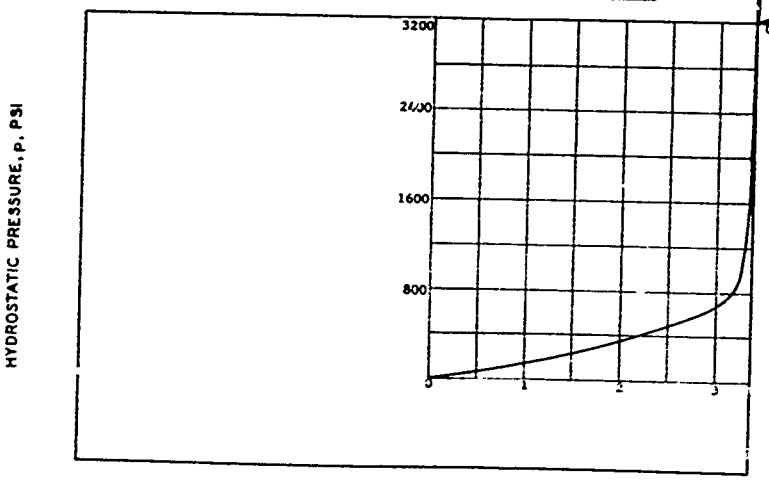
PROJECT Georgia Institute of Technology B-602			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 154	
DEPTH EL		DATE	
LL 27	PL 15		PI 12
DESCRIPTION McCormick Ranch Sand			
Triaxial-Cycle Shear @ 35%			

WATER CONTENT	w	10.53 %
VOID RATIO	e_0	0.35
SATURATION	S_0	80.22 %
DRY DENSITY	γ_d	123.35 PCF
WET DENSITY	γ	136.35 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.51 CM
SPECIMEN HEIGHT	H_0	7.46 CM



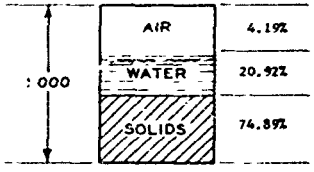


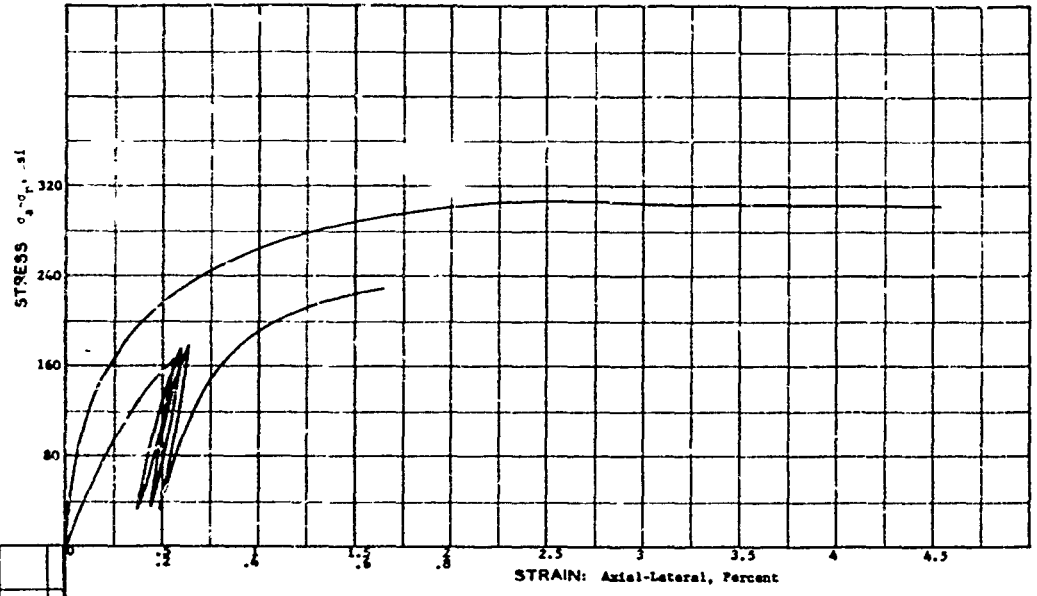
HYDROSTATIC COMPRESSION PHASE



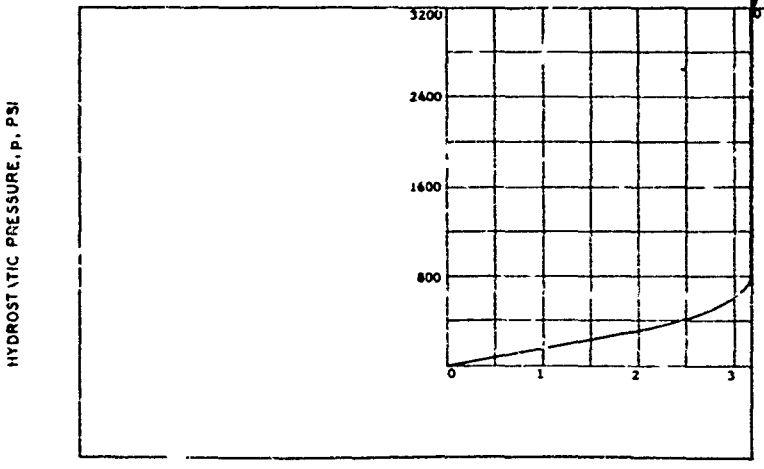
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 129
EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		
Triaxial-Cycle Shear @ 35%		

WATER CONTENT	W	10.46 %
VOID RATIO	e_0	0.34
SATURATION	S_0	83.33 %
DRY DENSITY	γ_d	124.78 PCF
WET DENSITY	γ	137.83 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7 CM



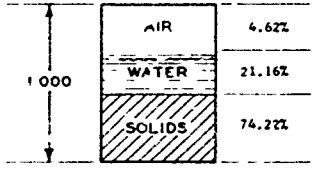


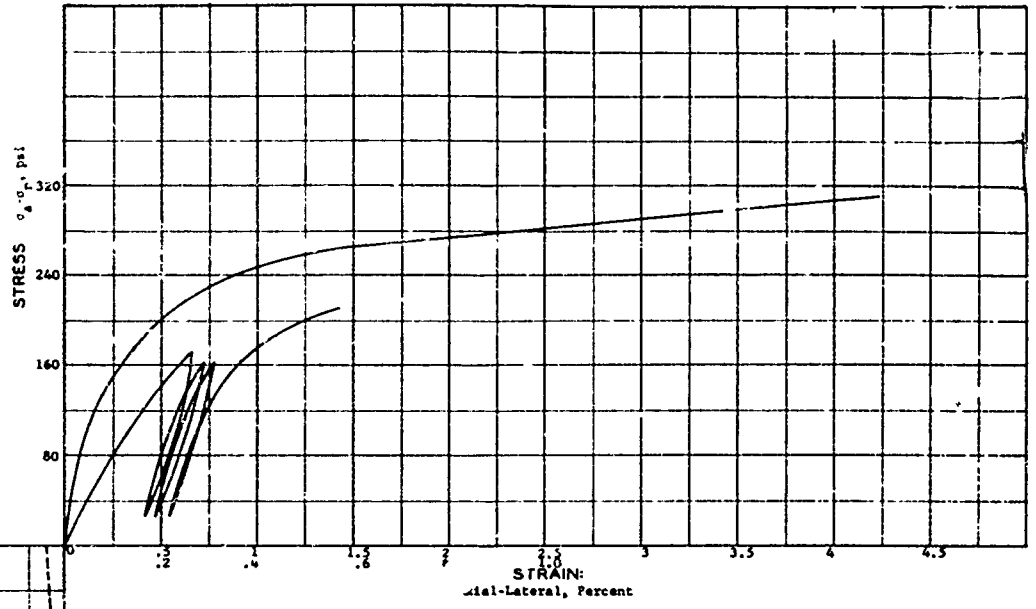
HYDROSTATIC COMPRESSION PHASE



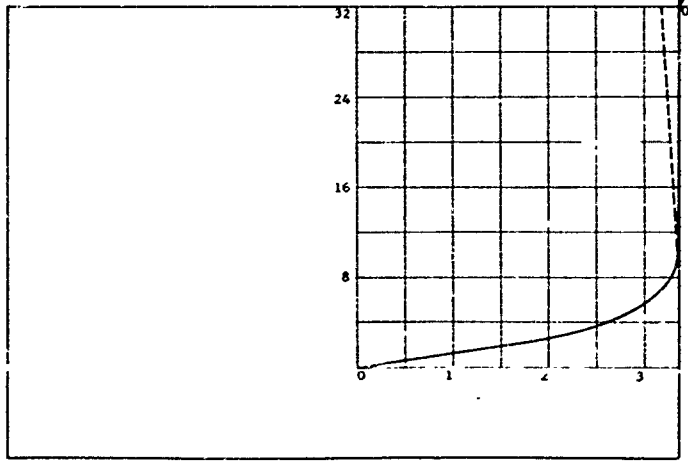
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	155
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 35%		

WATER CONTENT	w	10.67	%
VOID RATIO	e_o	0.35	
SATURATION	S_o	82.06	%
DRY DENSITY	γ_d	123.66	PCF
WET DENSITY	γ	136.86	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_o	3.50	CM
SPECIMEN HEIGHT	H_o	7.53	CM



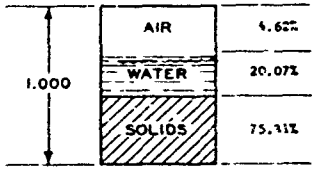


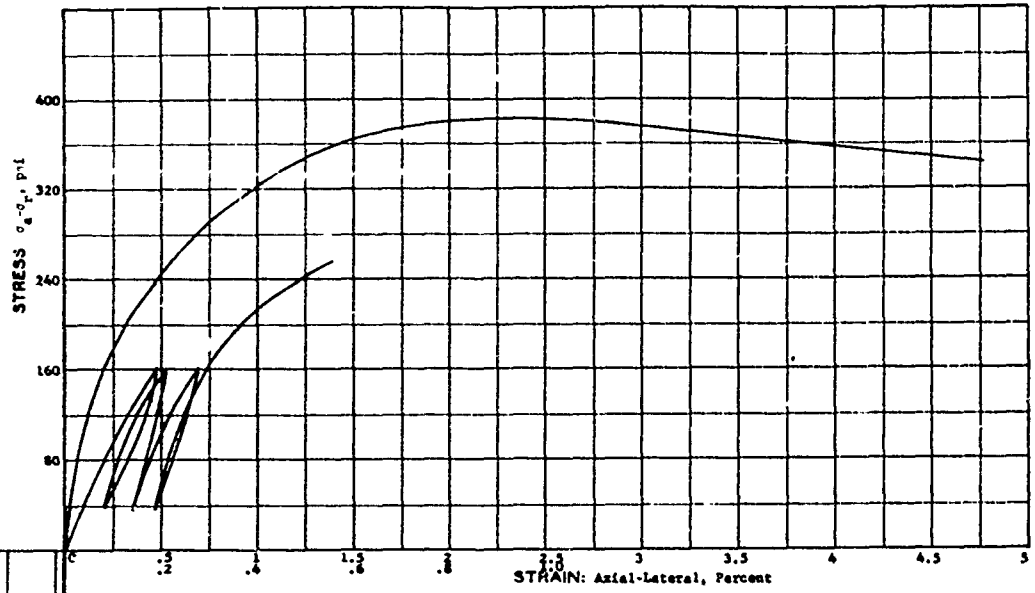
HYDROSTATIC COMPRESSION PHASE



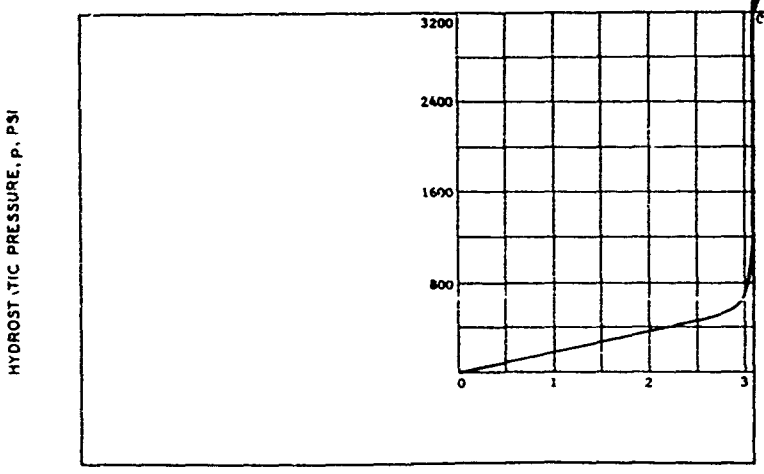
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	159
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 35%		

WATER CONTENT	w	9.98 %
VOID RATIO	e_0	0.33
SATURATION	S_0	81.26 %
DRY DENSITY	γ_d	125.47 PCF
WET DENSITY	γ	137.99 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.52 CM



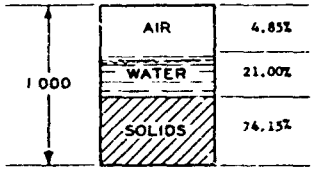


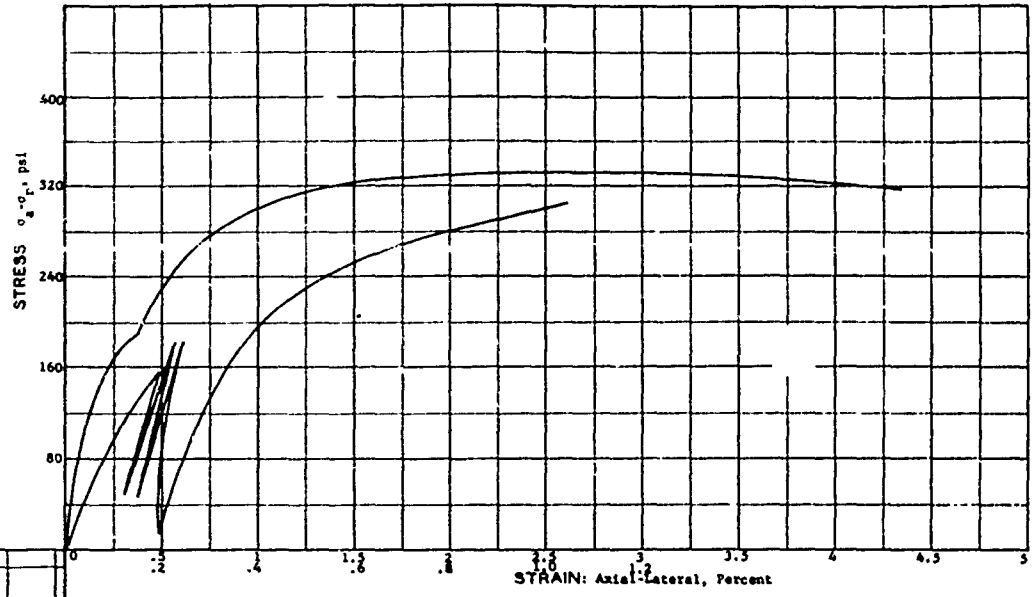
HYDROSTATIC COMPRESSION PHASE



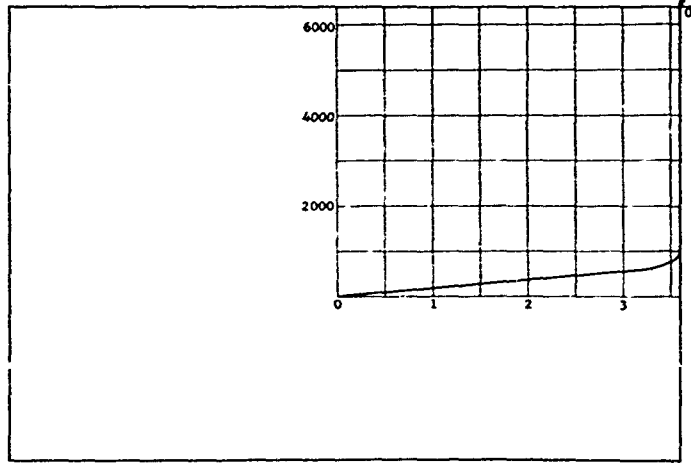
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO		SAMPLE NO. 160
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Triaxial-Cycle Shear @ 35%	

WATER CONTENT	w	10 60 %
VOID RATIO	e_0	0.35
SATURATION	S_0	81.22 %
DRY DENSITY	γ_d	123.54 PCF
WET DENSITY	γ	136.64 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.53 CM



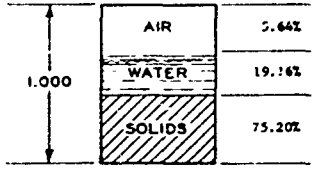


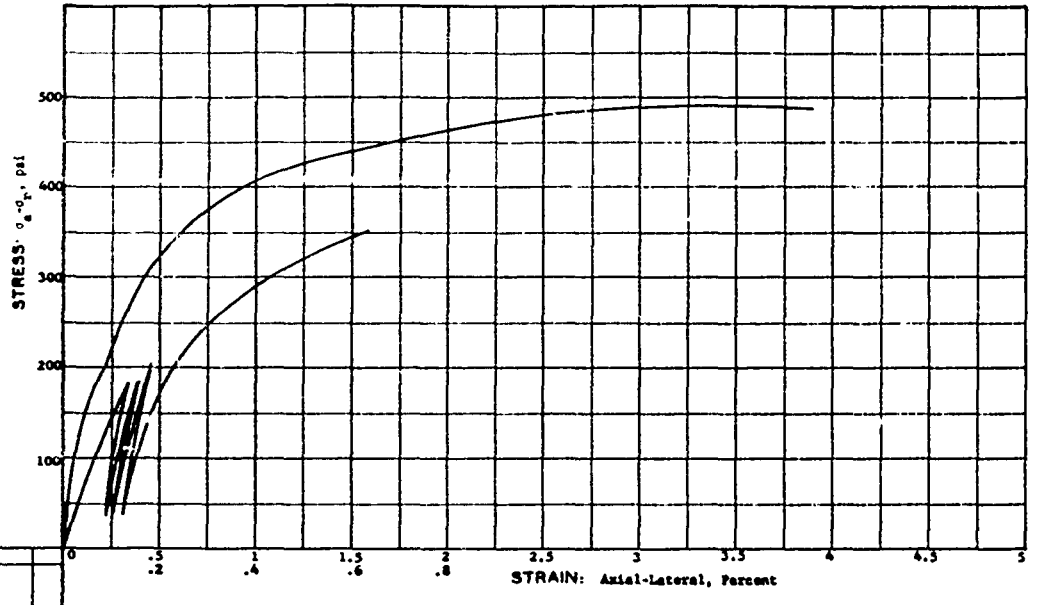
HYDROSTATIC COMPRESSION PHASE



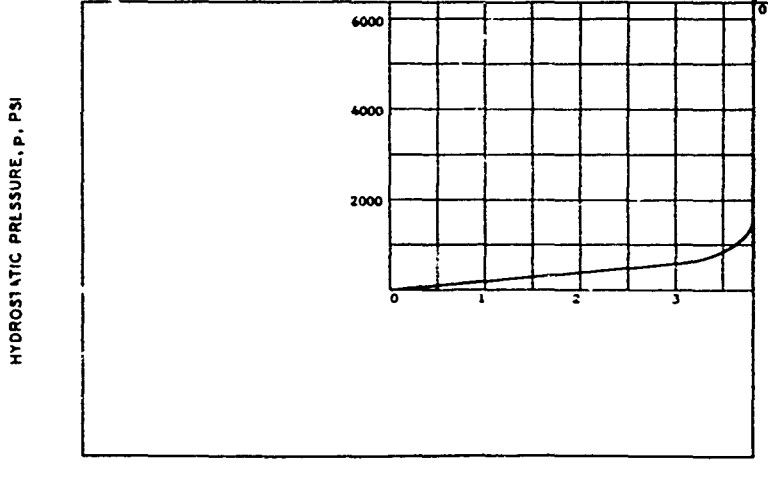
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA19-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	172
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 35%		

WATER CONTENT	w	9.54 %
VOID RATIO	e_0	0.33
SATURATION	S_0	77.25 %
DRY DENSITY	γ_d	125.29 PCF
WET DENSITY	γ	137.25 PCF
[illegible] GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.53 CM



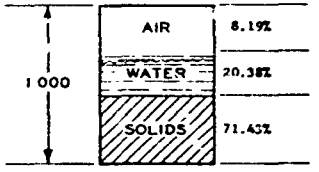


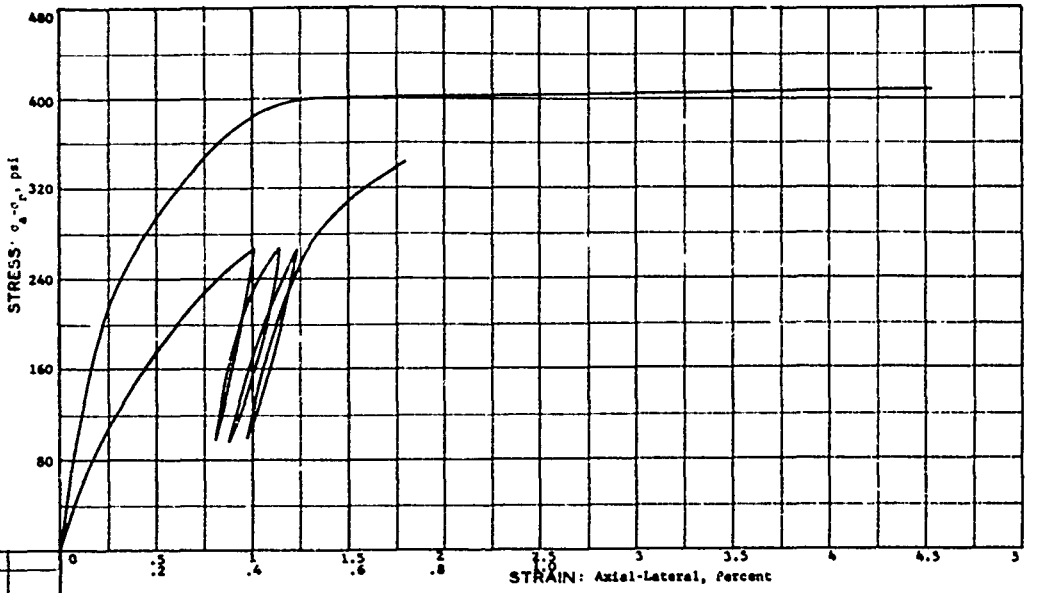
HYDROSTATIC COMPRESSION PHASE



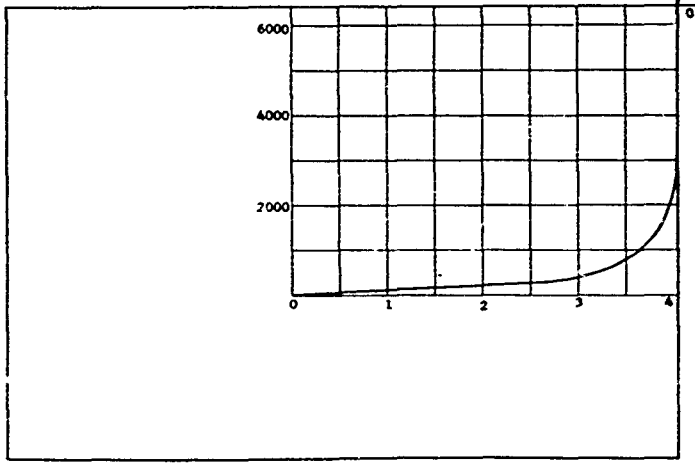
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 175
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Beach Sand	
	Triaxial-Cyclic Shear @ 35%	

WATER CONTENT	w	10.68	%
VOID RATIO	e_o	0.40	
SATURATION	S_o	71.32	%
DRY DENSITY	γ_d	119.00	PCF
WET DENSITY	γ	131.72	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_o	3.50	CM
SPECIMEN HEIGHT	H_o	7.54	CM



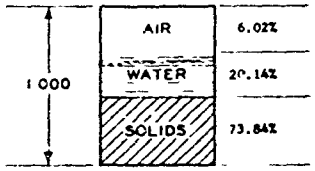


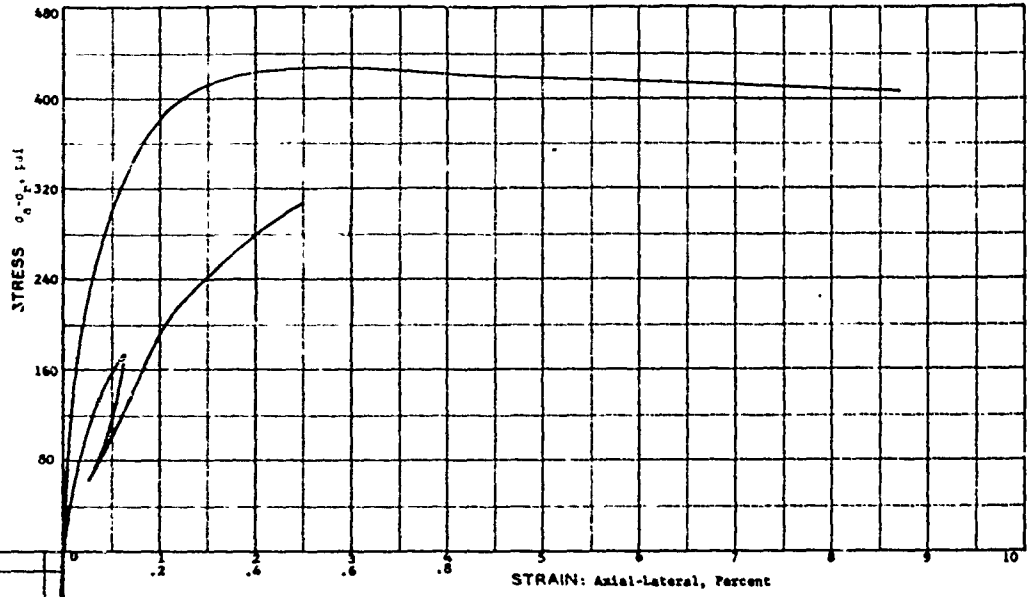
HYDROSTATIC COMPRESSION PHASE



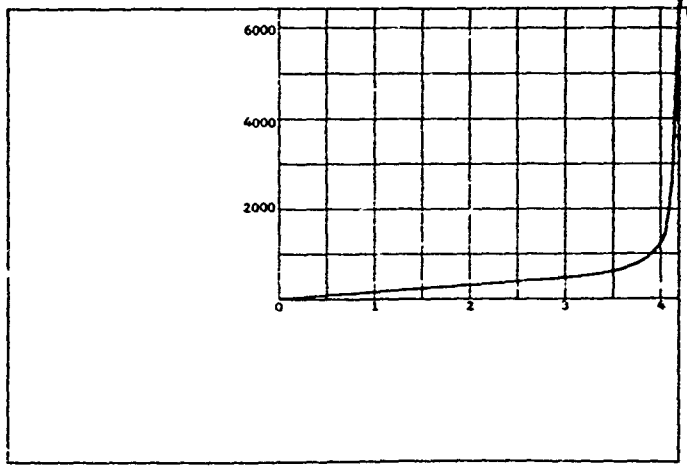
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	178
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 35%		

WATER CONTENT	W	10.22	%
VOID RATIO	e_0	0.35	
SATURATION	S_0	76.97	%
DRY DENSITY	γ_d	123.02	PCF
WET DENSITY	γ	135.58	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7.56	CM





HYDROSTATIC COMPRESSION PHASE



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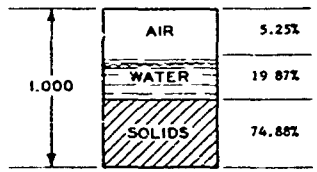
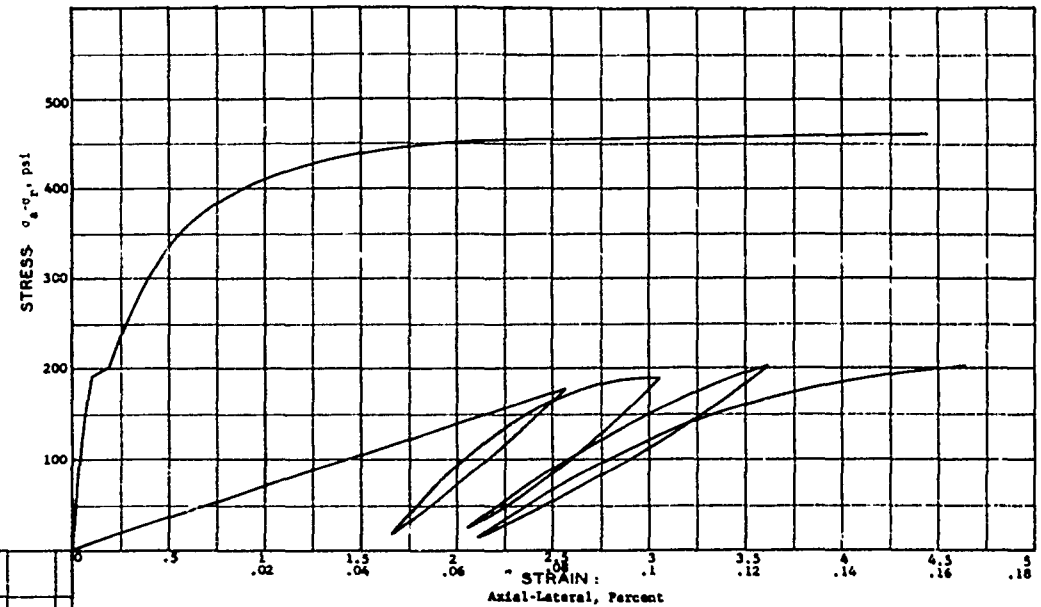
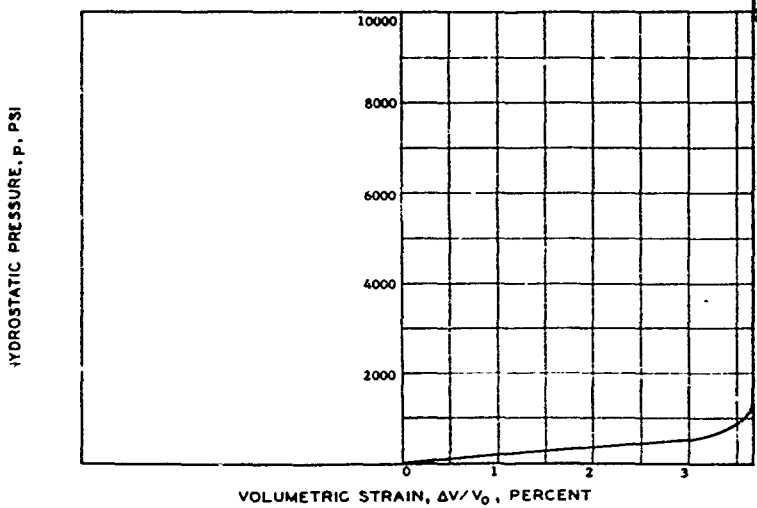
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO		SAMPLE NO. 180	
DEPTH EL		DATE	
LL 27	PL 15	PI 12	
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 35%		

WATER CONTENT	w	9.94 %
VOID RATIO	e_o	0.34
SATURATION	S_o	79.11 %
DRY DENSITY	γ_d	124.75 PCF
WET DENSITY	γ	137.15 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_o	3.51 CM
SPECIMEN HEIGHT	H_o	7.52 CM



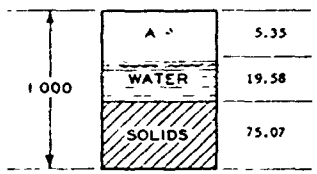


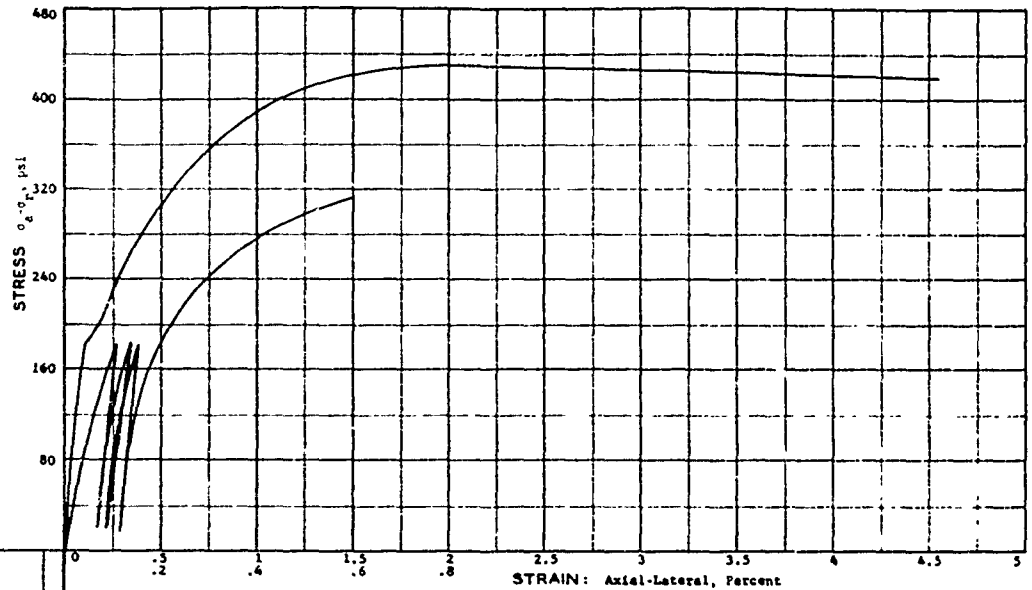
HYDROSTATIC COMPRESSION PHASE



PROJECT Georgia Institute of Technology B-402			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 171	
DEPTH EL		DATE	
LL 27	PL 15		PI 12
DESCRIPTION McCormick Ranch Sand			
Triaxial-Cycle Shear @ 3%			

WATER CONTENT	w	9.77 %
VOID RATIO	e_o	0.33
SATURATION	S_o	78.56 %
DRY DENSITY	γ_d	125.08 PCF
WET DENSITY	γ	137.30 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_o	3.50 CM
SPECIMEN HEIGHT	H_o	7.52 CM





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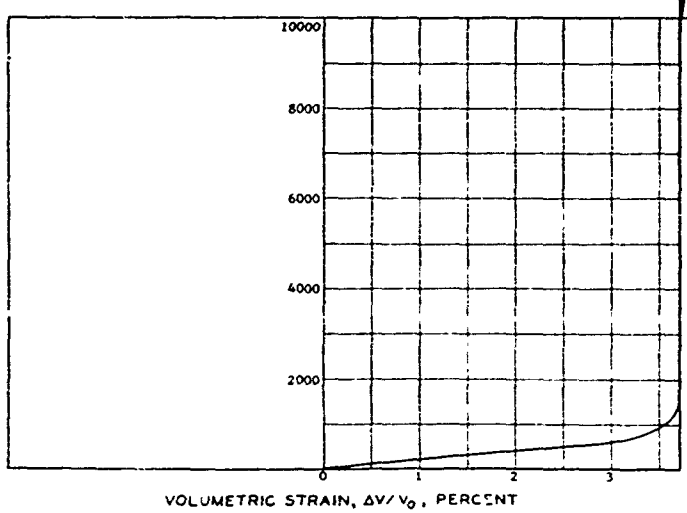
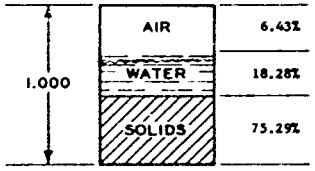
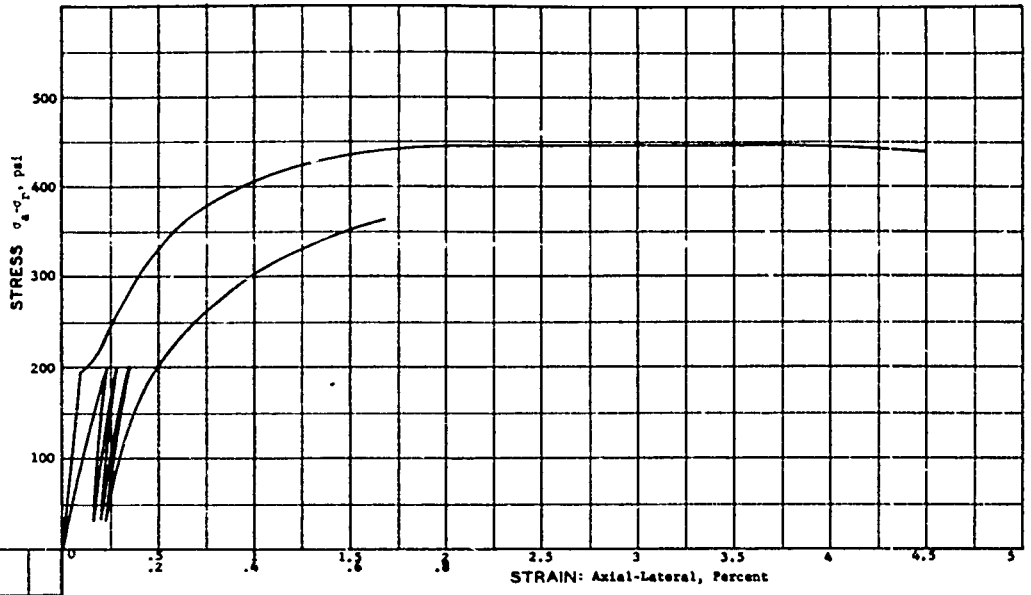


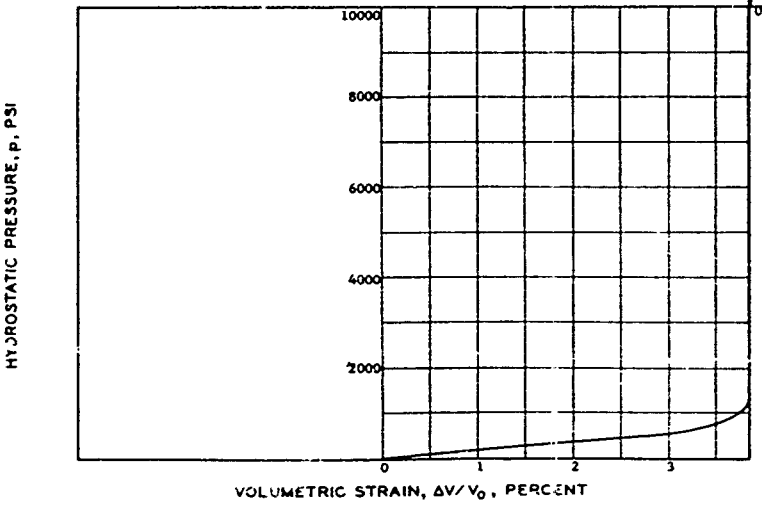
PROJECT Georgia Institute of Technology B-602			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO 176	
DEPTH EL		DATE	
LL 27	PL 15		PI 12
DESCRIPTION McCormick Ranch Sand Triaxial-Cycle Shear @ 35%			

WATER CONTENT	w	9.09%
VOID RATIO	e_0	0.33
SATURATION	S_0	74.01%
DRY DENSITY	γ_d	125.45 PCF
WET DENSITY	γ	136.86 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.51 CM
SPECIMEN HEIGHT	H_0	7.51 CM





HYDROSTATIC COMPRESSION PHASE



PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	179
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 35%		

Group C

Triaxial Tests, Cyclic at 75%

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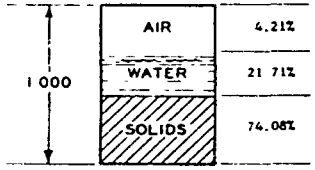
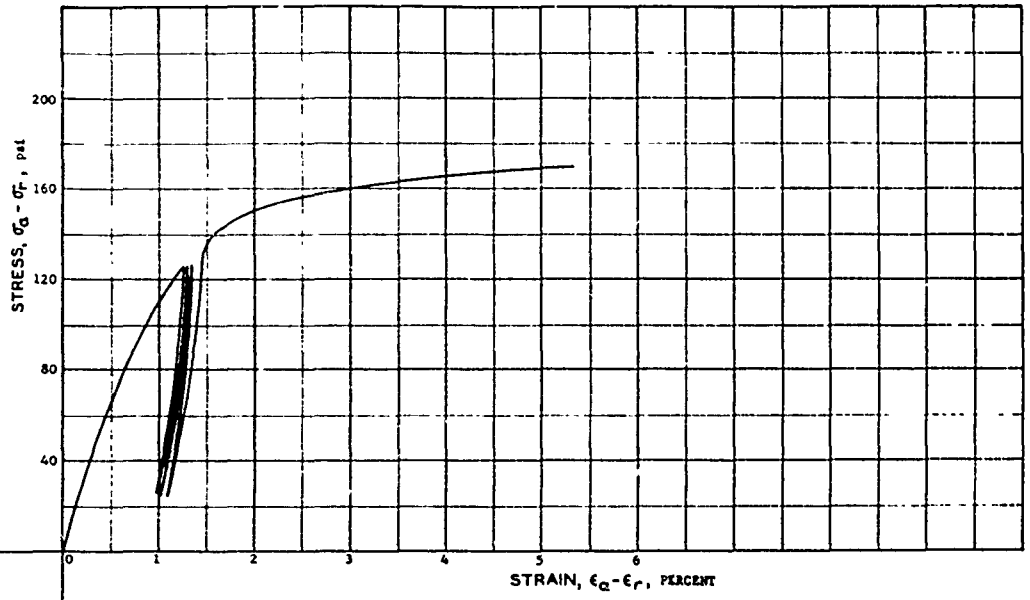
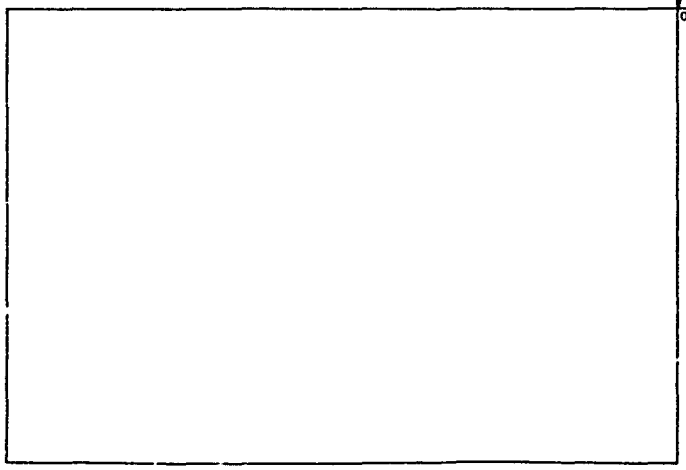
WATER CONTENT	w	10 98 %
VOID RATIO	e_0	0 35
SATURATION	S_0	83 77 %
DRY DENSITY	γ_d	123 43 PCF
WET DENSITY	γ	136.97 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3 51 CM
SPECIMEN HEIGHT	H_0	7 52 CM



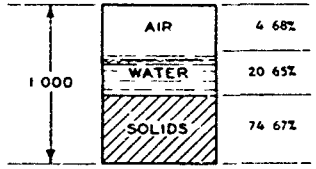


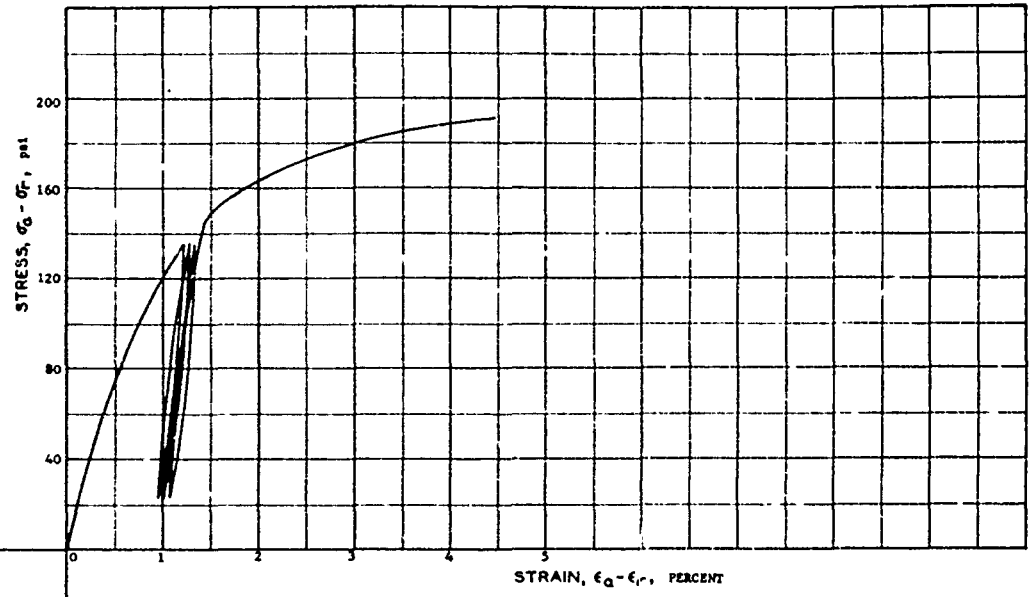
HYDROSTATIC COMPRESSION PHASE



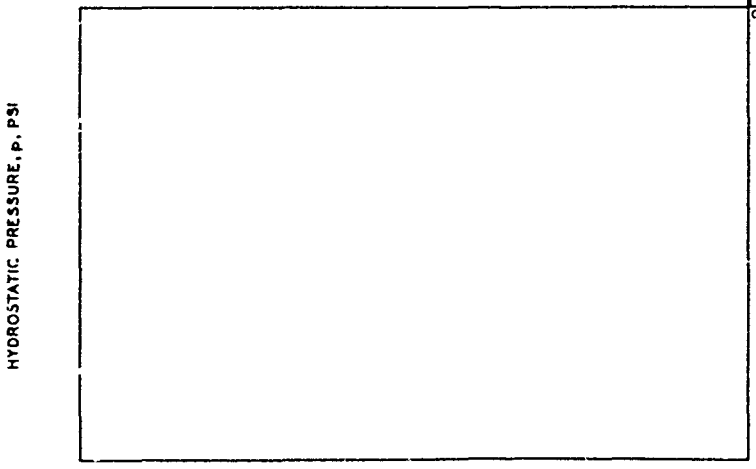
PROJECT	Ga Tech B-602,		
	Contract No. DACA39-67-C-0031		
AREA			
BORING NO		SAMPLE NO.	107
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 75%		

WATER CONTENT	w	10.36 %
VOID RATIO	e_o	0 34
SATURATION	S_o	81 52 %
DRY DENSITY	γ_d	124.40 PCF
WET DENSITY	γ	137 29 PCF
SPECIFIC GRAVITY	G_s	2 67
SPECIMEN DIAMETER	D_o	3.51 CM
SPECIMEN HEIGHT	H_o	7 51 CM



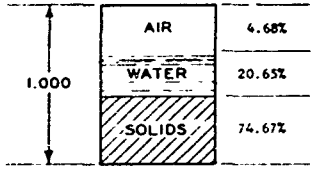


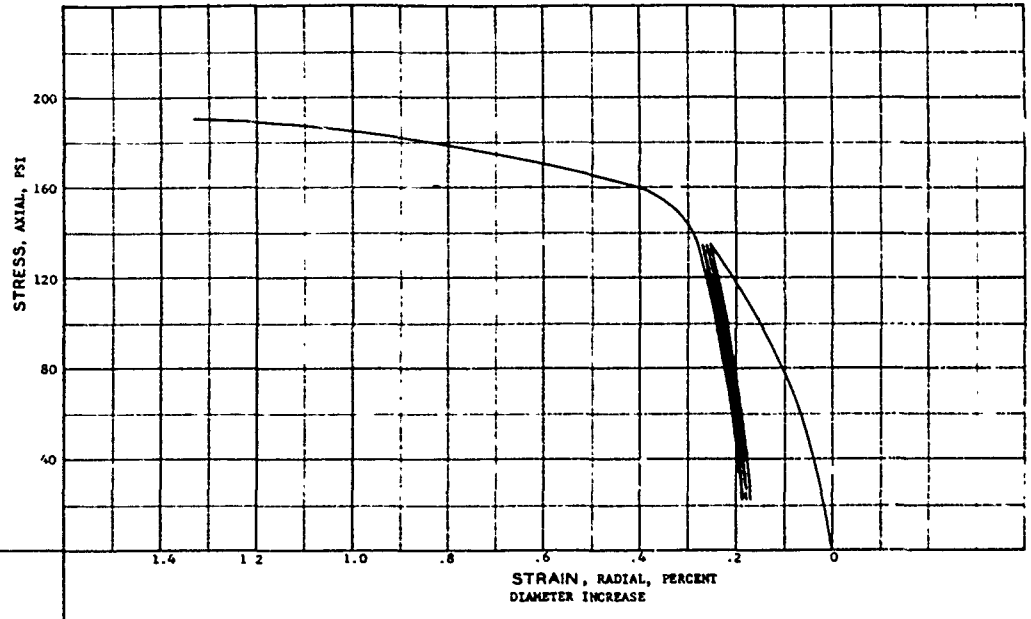
HYDROSTATIC COMPRESSION PHASE



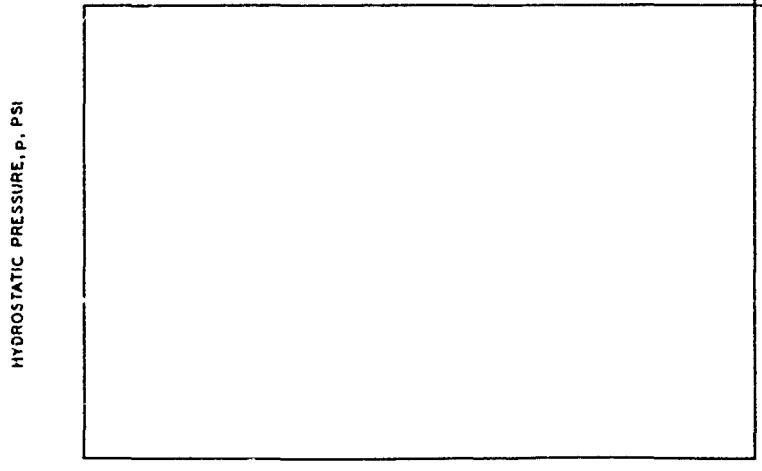
PROJECT	Ga Tech B-602,	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO		SAMPLE NO. 109
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Triaxial, Cyclic @ 75%	
	Lateral Pressure, 200 psi	

WATER CONTENT	w	10 36	%
VOID RATIO	e_o	0 34	
SATURATION	S_o	81 52	%
DRY DENSITY	γ_d	124 40	PCF
WET DENSITY	γ	137 29	PCF
SPECIFIC GRAVITY	G_s	2 67	
SPECIMEN DIAMETER	D_o	3 51	CM
SPECIMEN HEIGHT	H_o	7.51	CM



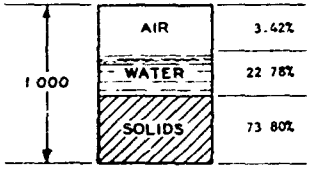


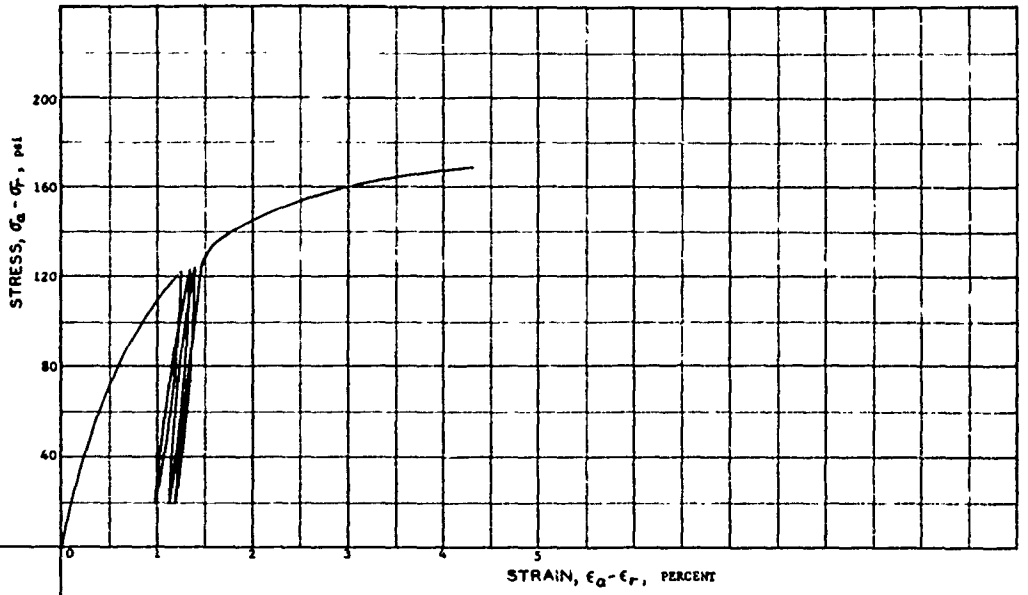
HYDROSTATIC COMPRESSION PHASE



PROJECT	Ga Tech B-602,		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	109
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial, Cyclic @ 75%		
	Lateral Pressure, 200 psi		

WATER CONTENT	w	11 56 %
VOID RATIO	e_0	0 35
SATURATION	S_0	86.96 %
DRY DENSITY	γ_d	122.95 PCF
WET DENSITY	γ	137.17 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3 52 CM
SPECIMEN HEIGHT	H_0	7 49 CM





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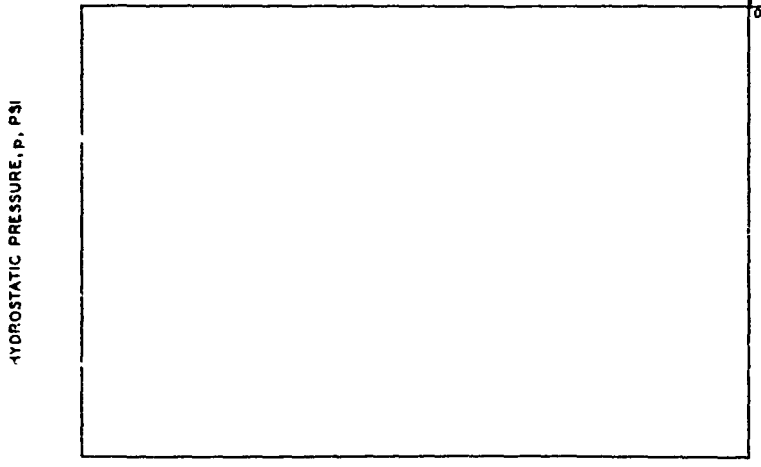
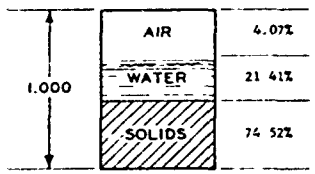
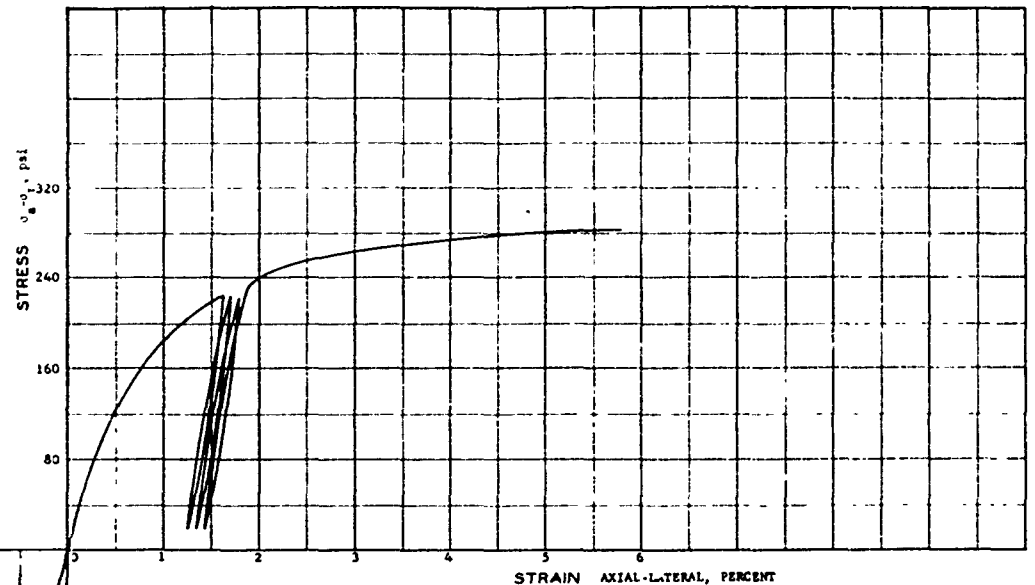


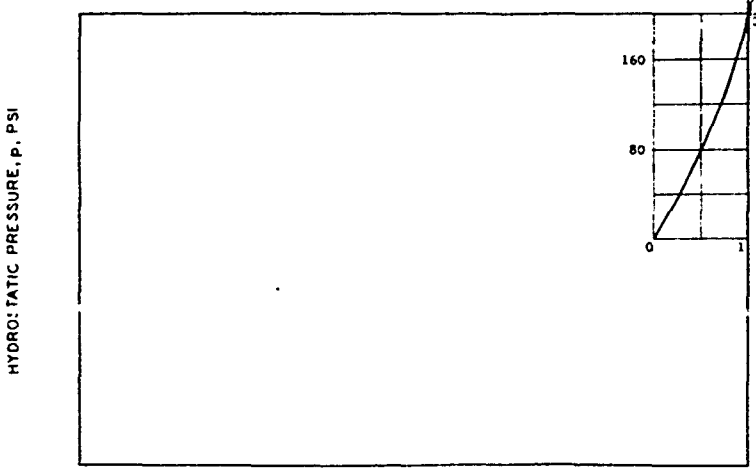
PROJECT	Ga Tech B-602,	
	Contract No DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 113
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Triaxial-Cycle Shear @ 75%	

WATER CONTENT	w	10.76 %
VOID RATIO	e_o	0.34
SATURATION	S_o	84 03 %
DRY DENSITY	γ_d	124 15 PCF
WET DENSITY	γ	137 51 PCF
SPECIFIC GRAVITY	G_s	2 67
SPECIMEN DIAMETER	D_o	3 50 CM
SPECIMEN HEIGHT	H_o	7 54 CM





HYDROSTATIC COMPRESSION PHASE



PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO		SAMPLE NO.	105C
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand Triaxial-Cycle Shear @ 75%		

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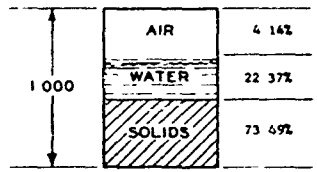
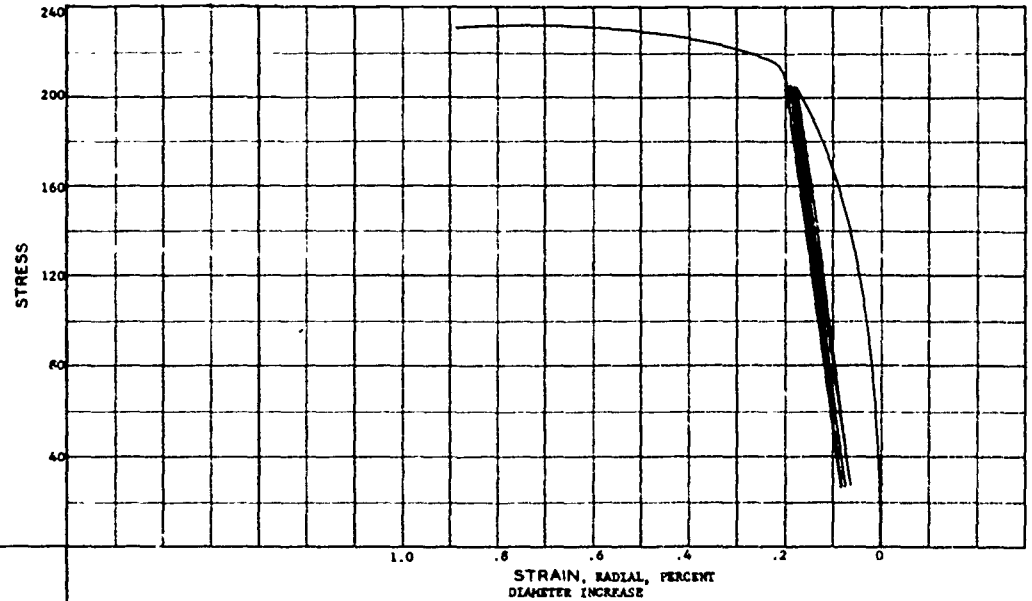
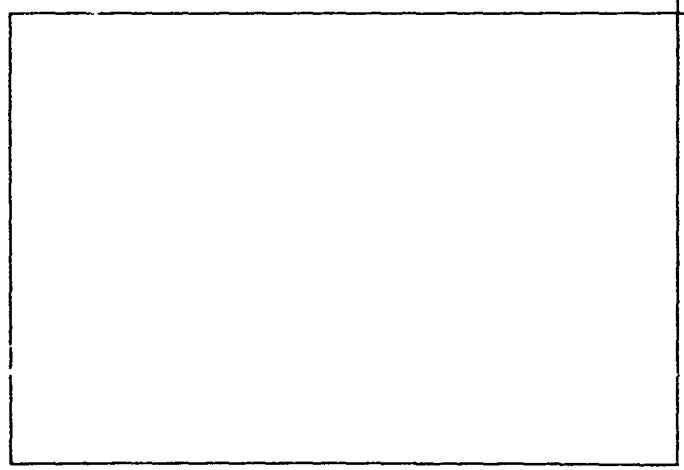
WATER CONTENT	w	11.40	%
VOID RATIO	e_0	0 36	
SATURATION	S_0	84.40	%
DRY DENSITY	γ_d	122 44	PCF
WET DENSITY	γ	136 40	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3 52	CM
SPECIMEN HEIGHT	H_0	7 50	CM



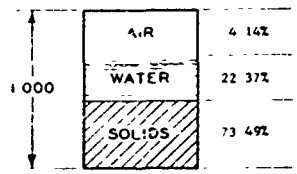


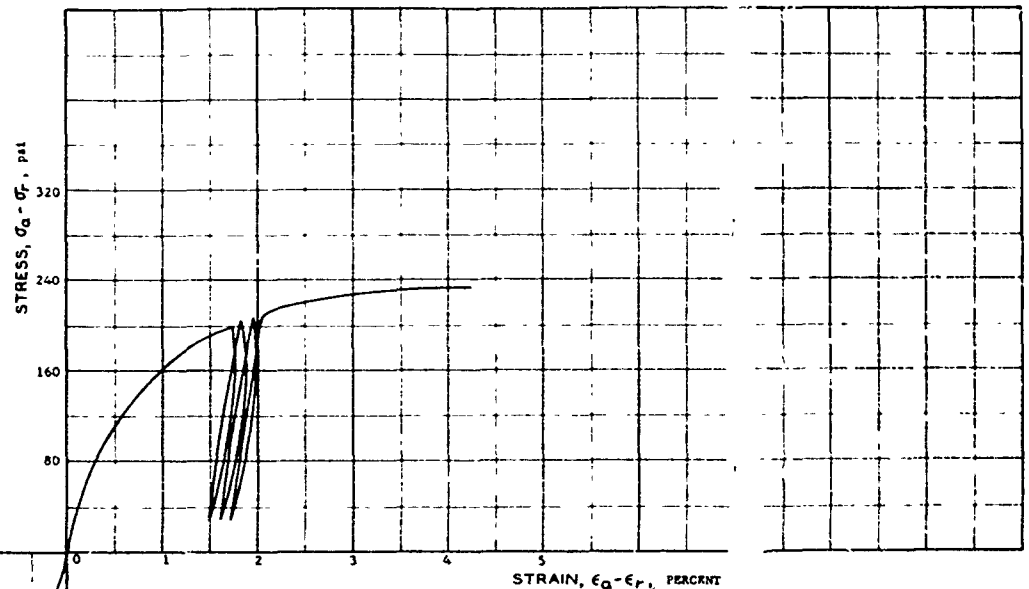
HYDROSTATIC COMPRESSION PHASE



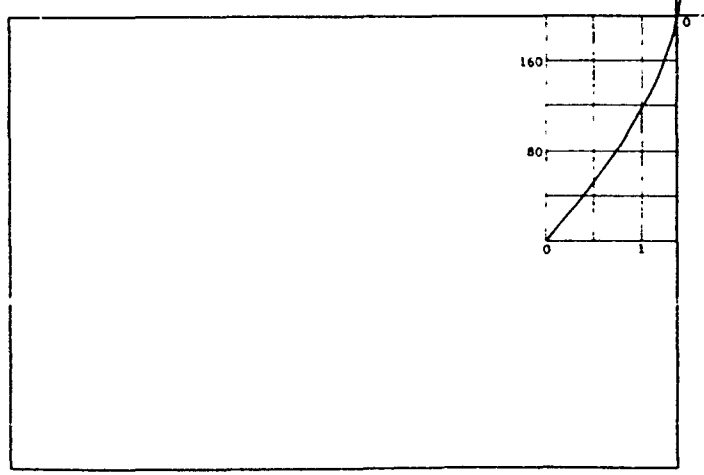
PROJECT	Ga Tech B-602,		
	Contract No. DACA39-67-C-005		
AREA			
BORING NO.		SAMPLE NO.	110
DEPTH		DATE	
EL.			
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial, Cyclic @ 75%		
	Lateral Pressure, 200 psi		

WATER CONTENT	w	11 40	%
VOID RATIO	e_0	0 36	
SATURATION	S_0	84 40	%
DRY DENSITY	γ_d	122 44	PCF
WET DENSITY	γ	136 40	PCF
SPECIFIC GRAVITY	G_s	2 67	
SPECIMEN DIAMETER	D_0	3 52	CM
SPECIMEN HEIGHT	H_0	7 50	CM



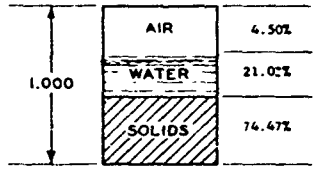


HYDROSTATIC COMPRESSION PHASE

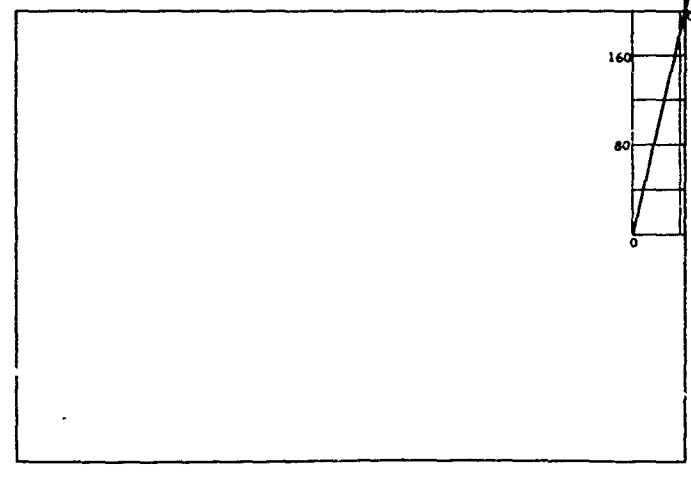


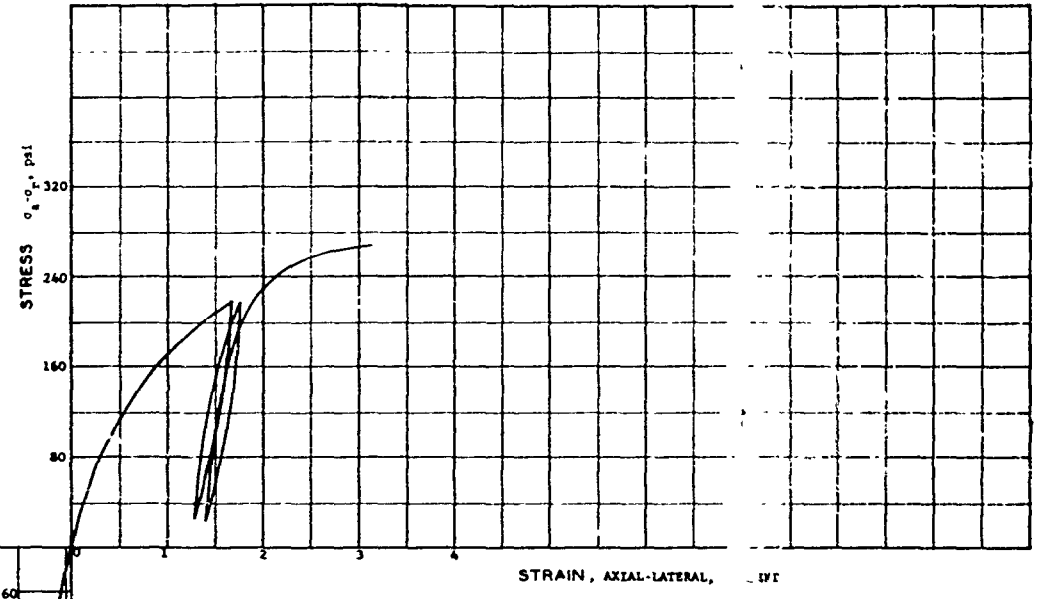
PROJECT	Ga Tech B-602,		
	Contract No. DACA39-67-C-0		
AREA			
BORING NO.		S	FLE NO 110
DEPTH			
EL			
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial, Cyclic @ 75%		
	Lateral Pressure, 200 psi		

WATER CONTENT	w	10.58 %
VOID RATIO	e_0	0.34
SATURATION	S_0	82.38 %
DRY DENSITY	γ_d	124.08 PCF
WET DENSITY	γ	137.20 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.52 CM
SPECIMEN HEIGHT	H_0	7.42 CM



HYDROSTATIC COMPRESSION PHASE

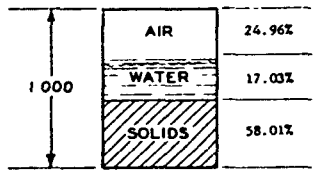


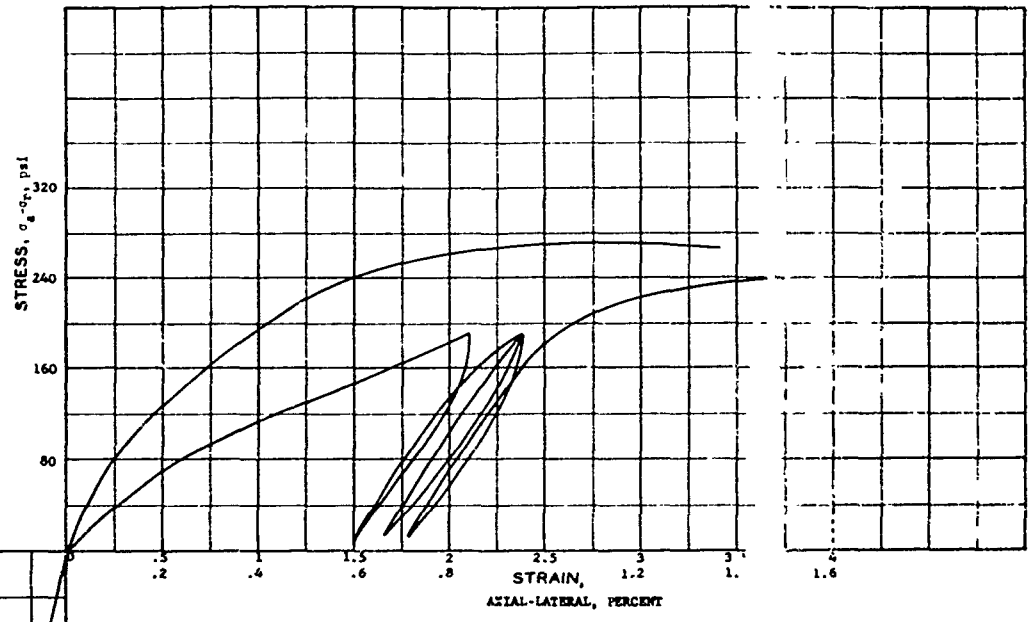


PROJECT Georgia Institute of Tech			
Contract No. DACA39-67-C-...			
AREA			
BORING NO.		SAMPLE NO. 123	
DEPTH EL		DATE	
LL 27	PL 15		PI 12
DESCRIPTION McCormick Ranch Sand			
Triaxial-Cycle Shear @ ...			

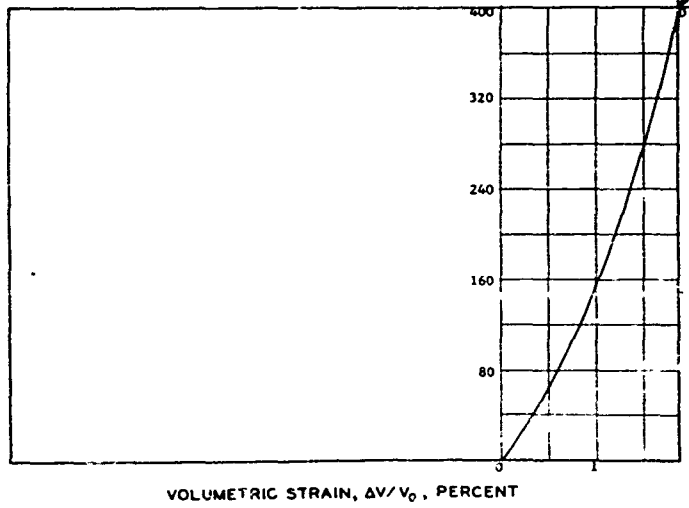
100

WATER CONTENT	w	10.99 %
VOID RATIO	e_c	0.72
SATURATION	S_0	40.55 %
DRY DENSITY	γ_d	96.65 PCF
WET DENSITY	γ	107.27 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.95 CM
SPECIMEN HEIGHT	H_0	7.51 CM





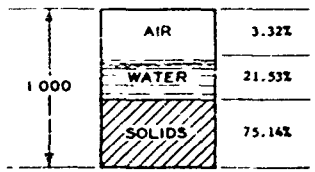
HYDROSTATIC COMPRESSION PHASE

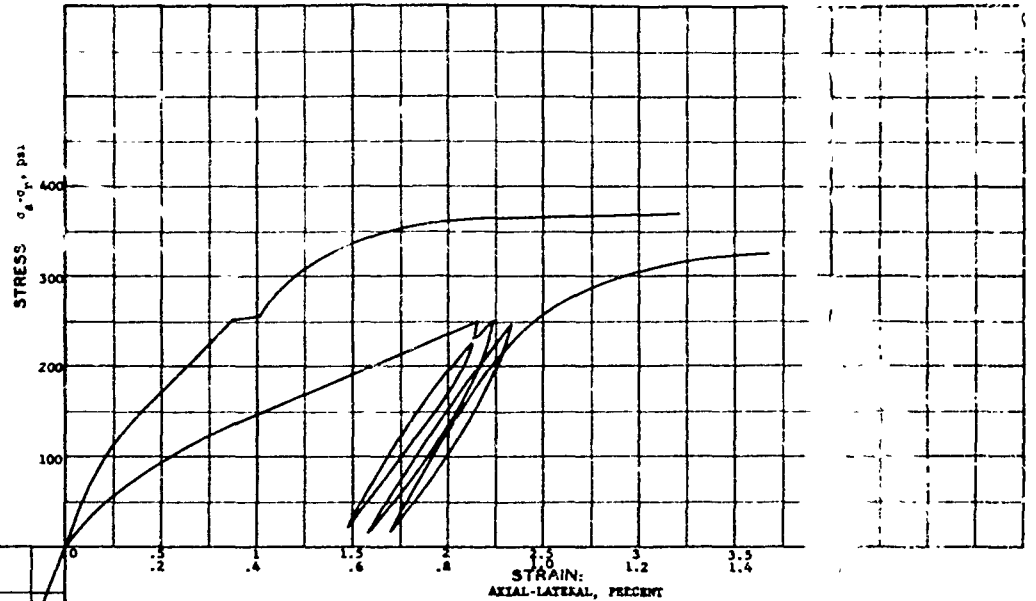


PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO		SAM	NO. 118
DEPTH EL		DAT	
LL 27	PL 15		PI
DESCRIPTION	McCormick Ranch Sand; Triaxial-Cycle Shear @ 75%		

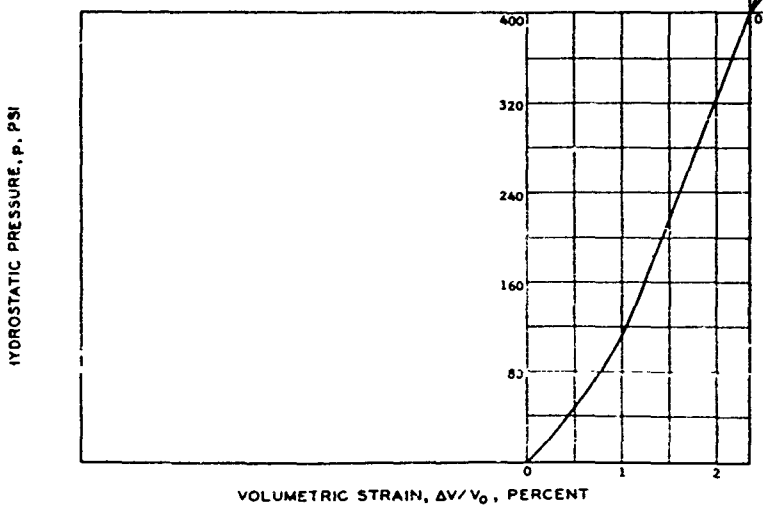
101

WATER CONTENT	w	10.73 %
VOID RATIO	e_0	0.33
SATURATION	S_0	86.63 %
DRY DENSITY	γ_d	125.20 PCF
WET DENSITY	γ	138.63 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.46 CM



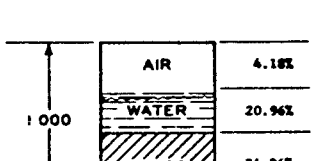


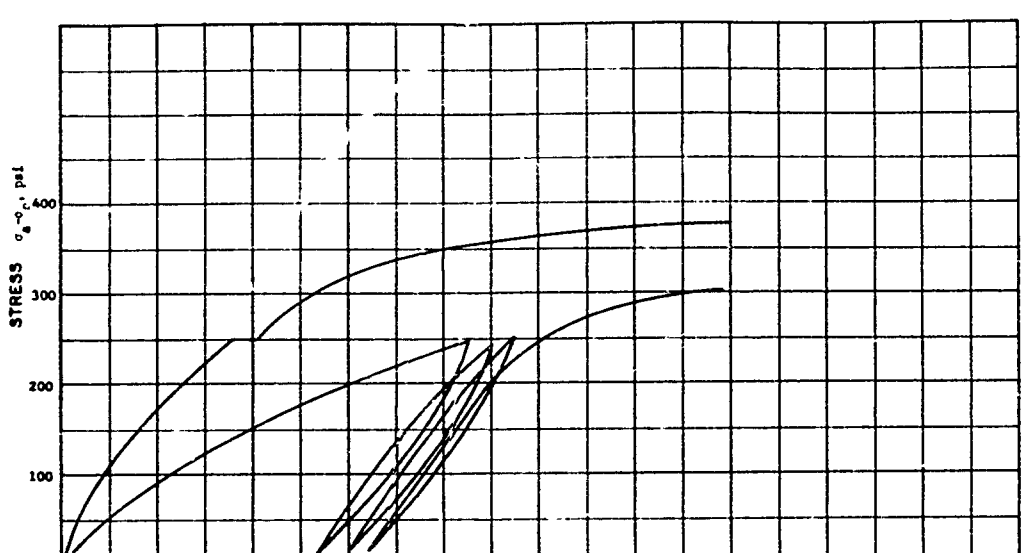
HYDROSTATIC COMPRESSION PHASE



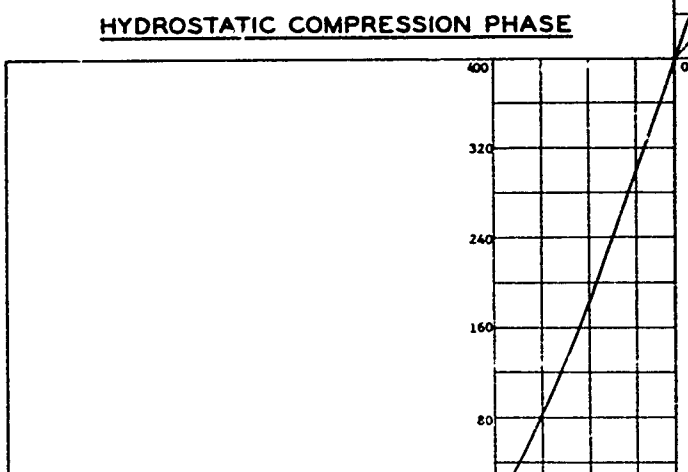
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	320
DEPTH EL		DATE	
LL	27	PL	15
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 75%		

WATER CONTENT	W	10.49 %
VOID RATIO	e_0	0.34
SATURATION	S_0	83.38 %
DRY DENSITY	γ_d	124.73 PCF
WET DENSITY	γ	137.80 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.47 CM



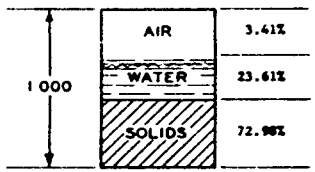


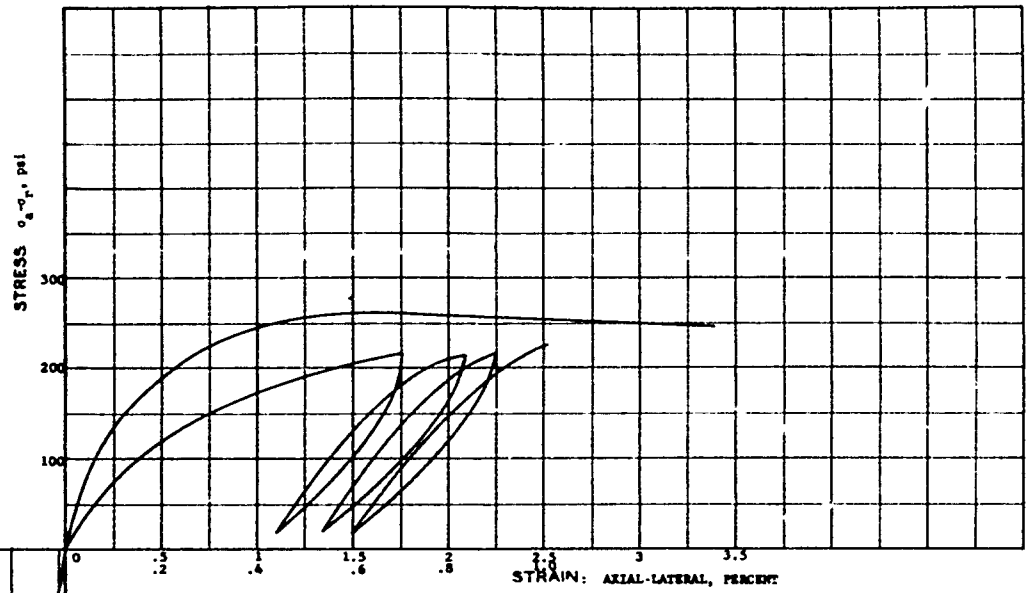
HYDROSTATIC COMPRESSION PHASE



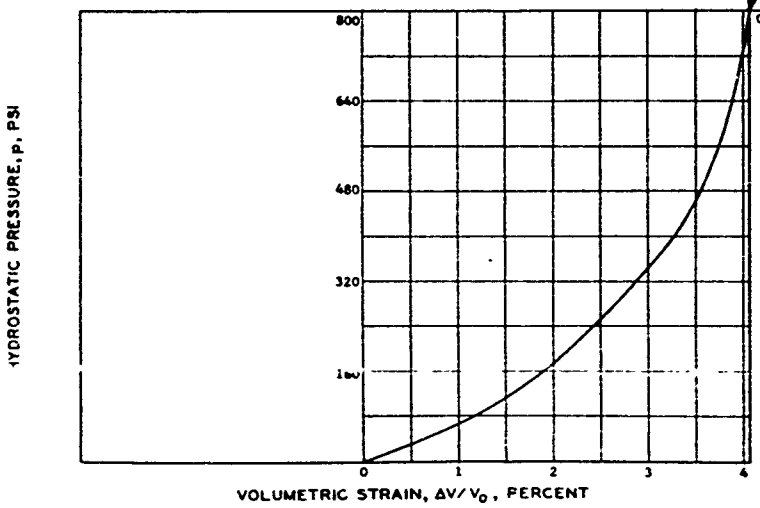
PROJECT	Georgia Institute of Technology	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 121
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Triaxial-Cycle Shear @ 75%	

WATER CONTENT	w	12.12	%
VOID RATIO	e_0	0.37	
SATURATION	S_0	87.39	%
DRY DENSITY	γ_d	121.59	PCF
WET DENSITY	γ	136.32	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7.47	CM



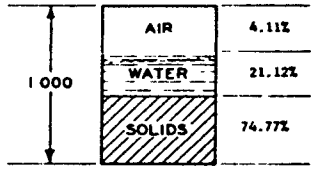


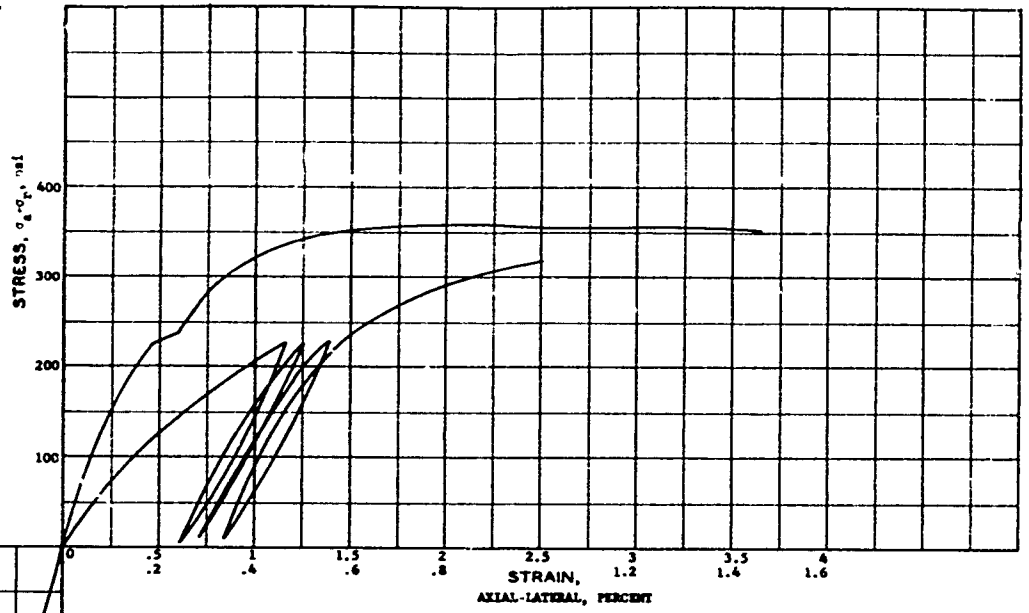
HYDROSTATIC COMPRESSION PHASE



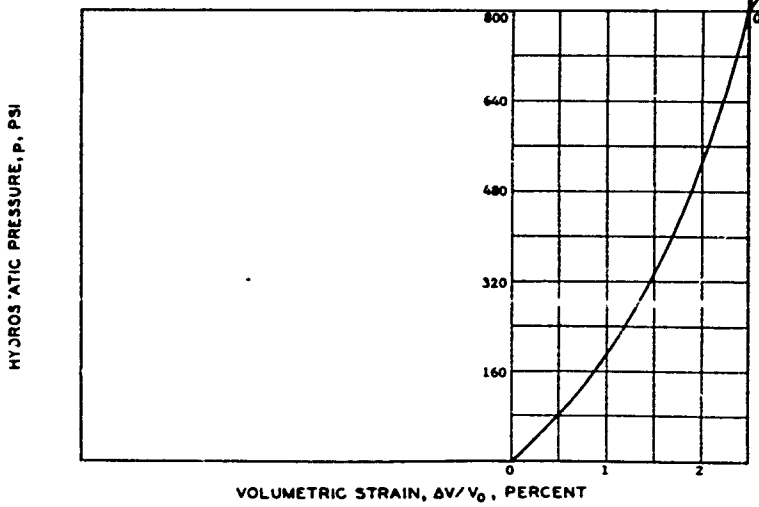
PROJECT Georgia Institute of Technology		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 111	
DEPTH EL	DATE	
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		
Triaxial-Cycle Shear @ 75%		

WATER CONTENT	w	10.58 %
VOID RATIO	e_0	0.34
SATURATION	S_0	83.72 %
DRY DENSITY	γ_d	124.57 PCF
WET DENSITY	γ	137.75 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.51 CM
SPECIMEN HEIGHT	H_c	7.46 CM



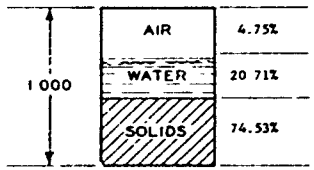


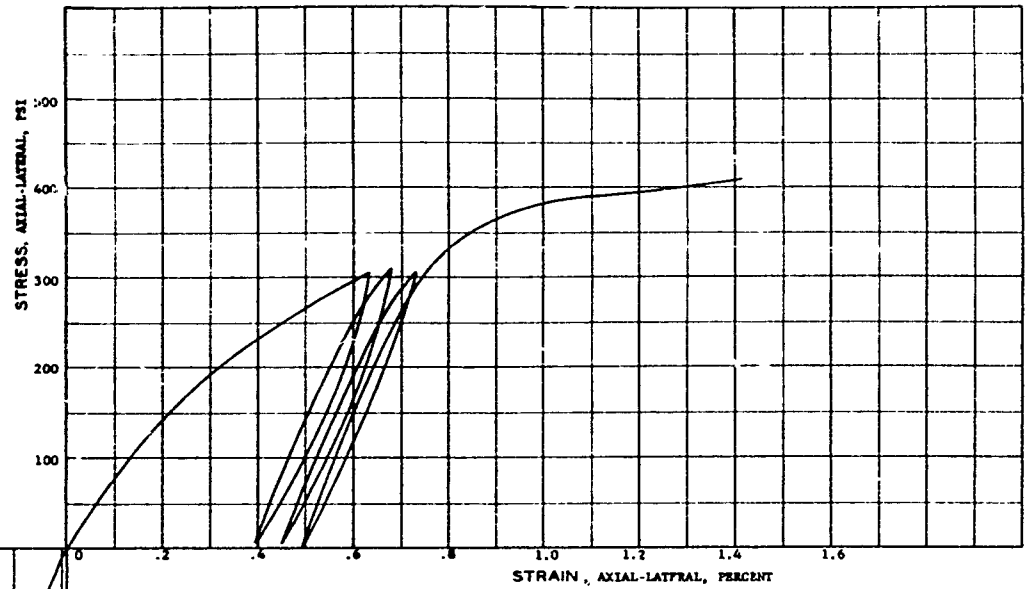
HYDROSTATIC COMPRESSION PHASE



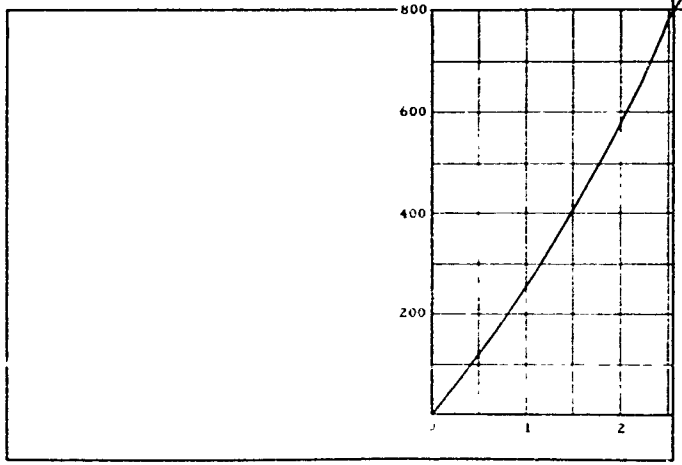
PROJECT	Ga Tech B-602;		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	126
DEPTH EL.		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 75%		

WATER CONTENT	W	10 41	%
VOID RATIO	e_0	0 34	
SATURATION	S_0	81 33	%
DRY DENSITY	γ_d	124 17	PCF
WET DENSITY	γ	137.10	PCF
SPECIFIC GRAVITY	G_s	2 67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7.46	CM



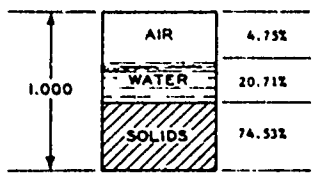


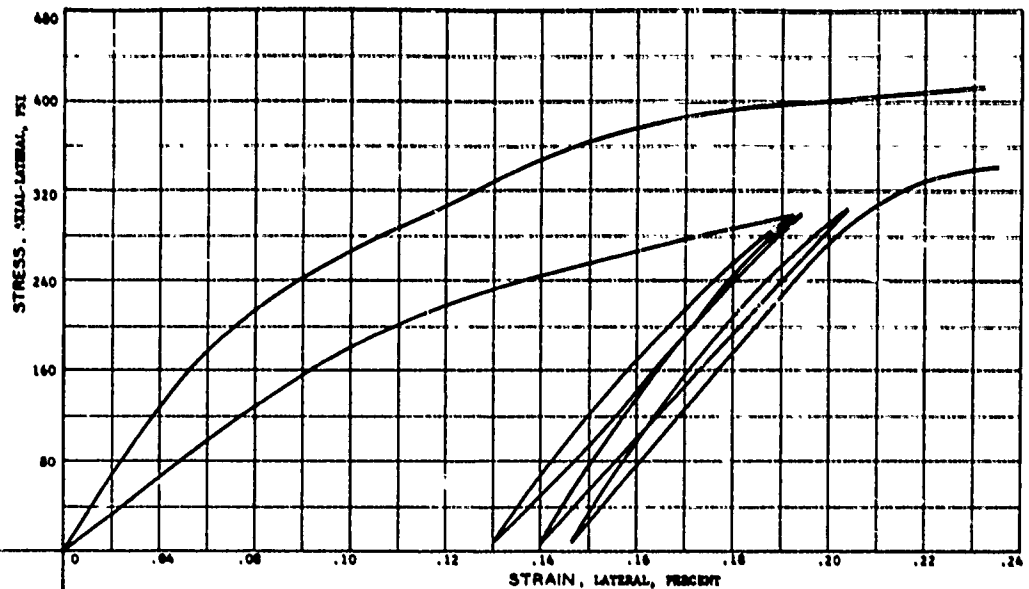
HYDROSTATIC COMPRESSION PHASE



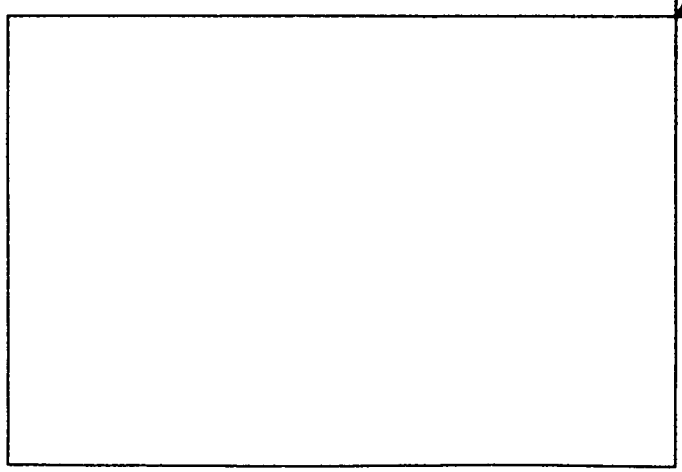
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 128
DEPTH EL		DATE
LL 2/	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		
Triaxial, Cyclic @ 75%		
Lateral Pressure, 800 psi		

WATER CONTENT	W	10.41 %
VOID RATIO	e_0	0.34
SATURATION	S_0	81.33 %
DRY DENSITY	γ_d	124.17 PCF
WET DENSITY	γ	137.10 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.51 CM
SPECIMEN HEIGHT	H_0	7.46 CM



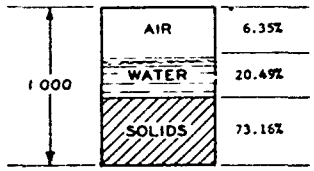


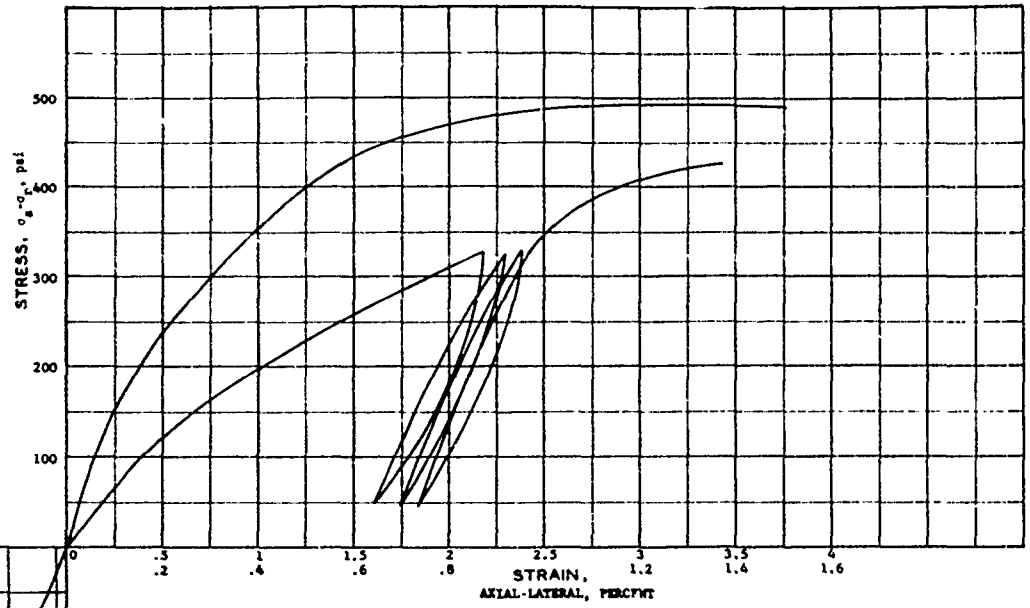
HYDROSTATIC COMPRESSION PHASE



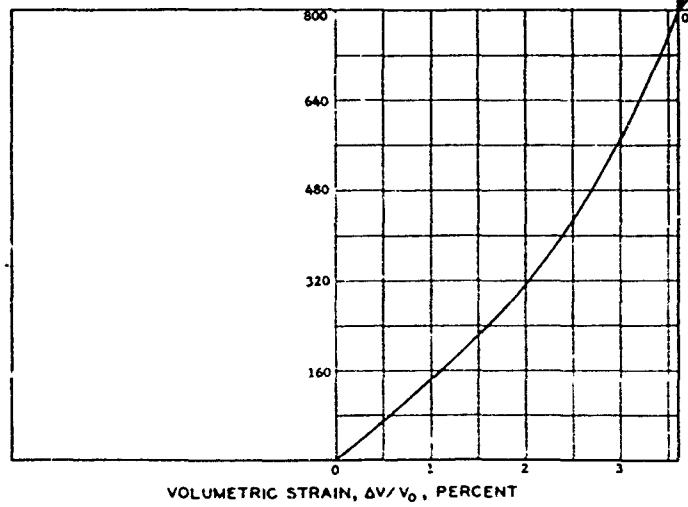
PROJECT Georgia Institute of Technology B-402		
Contract No. DACA39-67-C-0031		
AREA		
BORING NO.		SAMPLE NO. 128
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		
Triaxial, Cyclic @ 75%		
Lateral Pressure, 800 psi		

WATER CONTENT	W	10.49	%
VOID RATIO	e_o	0.37	
SATURATION	S_o	76.33	%
DRY DENSITY	γ_d	121.88	PCF
WET DENSITY	γ	134.67	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_o	3.50	CM
SPECIMEN HEIGHT	H_o	7.72	CM





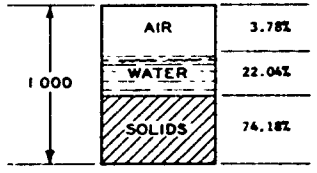
HYDROSTATIC COMPRESSION PHASE

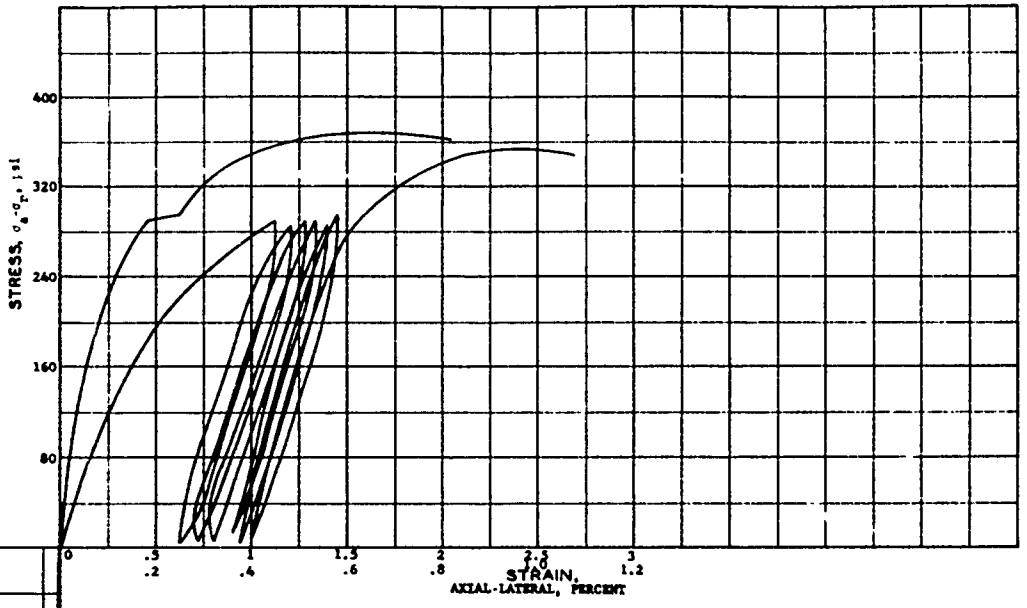


PROJECT Ga Tech B-602;		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 131	
DEPTH EL	DATE	
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		
Triaxial-Cycle Shear @ 75%		

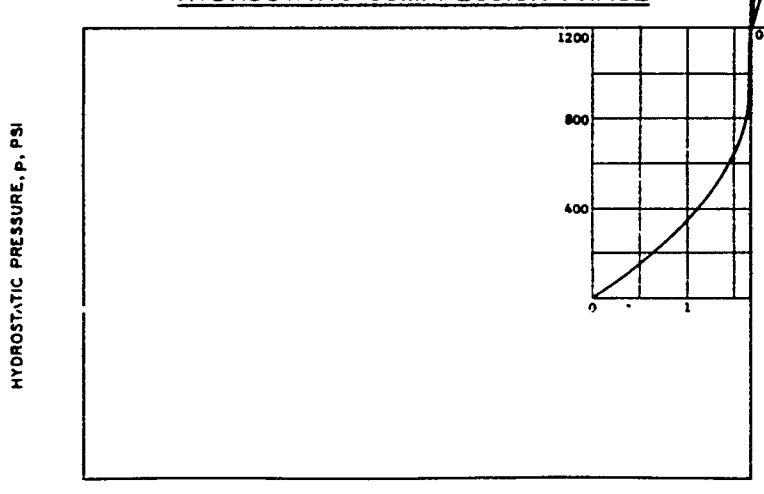
108

WATER CONTENT	w	11.13	%
VOID RATIO	e_0	0.35	
SATURATION	S_0	85.36	%
DRY DENSITY	γ_d	123.59	PCF
WET DENSITY	γ	137.34	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.48	CM



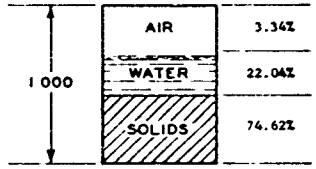


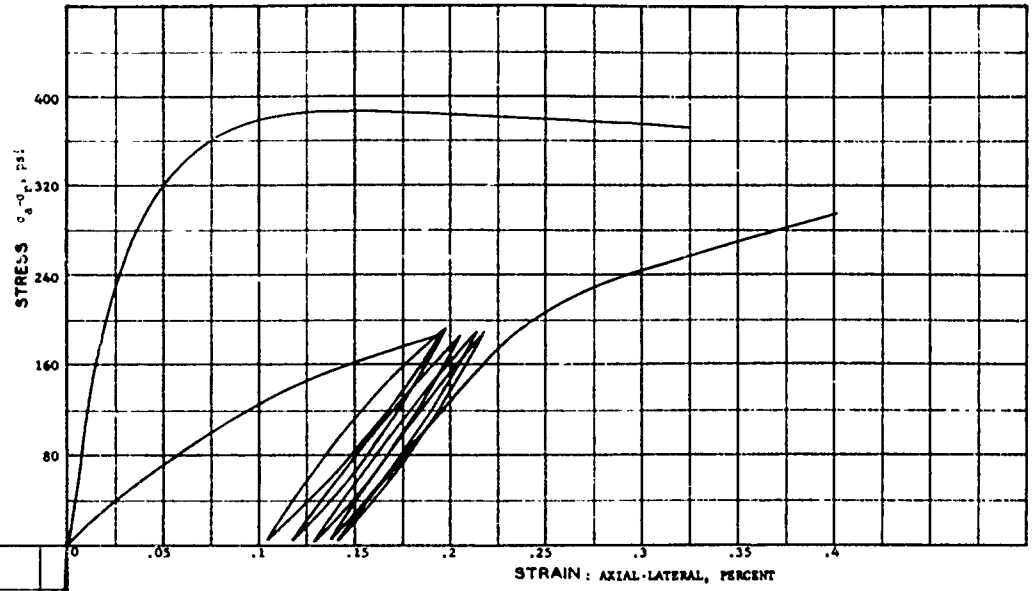
HYDROSTATIC COMPRESSION PHASE



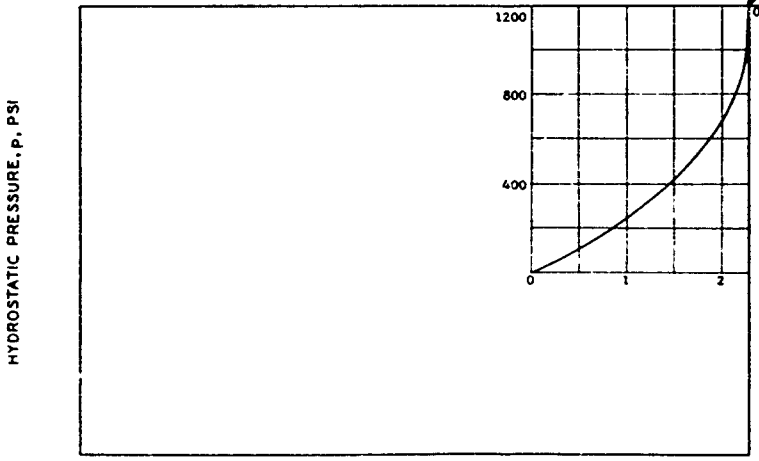
PROJECT Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 117
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand Triaxial-Cycle Shear @ 75%		

WATER CONTENT	w	11.06 %
VOID RATIO	e_0	0.34
SATURATION	S_0	86.06 %
DRY DENSITY	γ_d	124.32 PCF
WET DENSITY	γ	138.08 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.49 CM



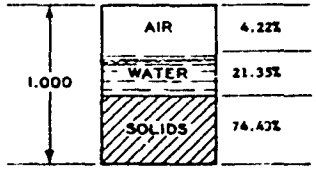


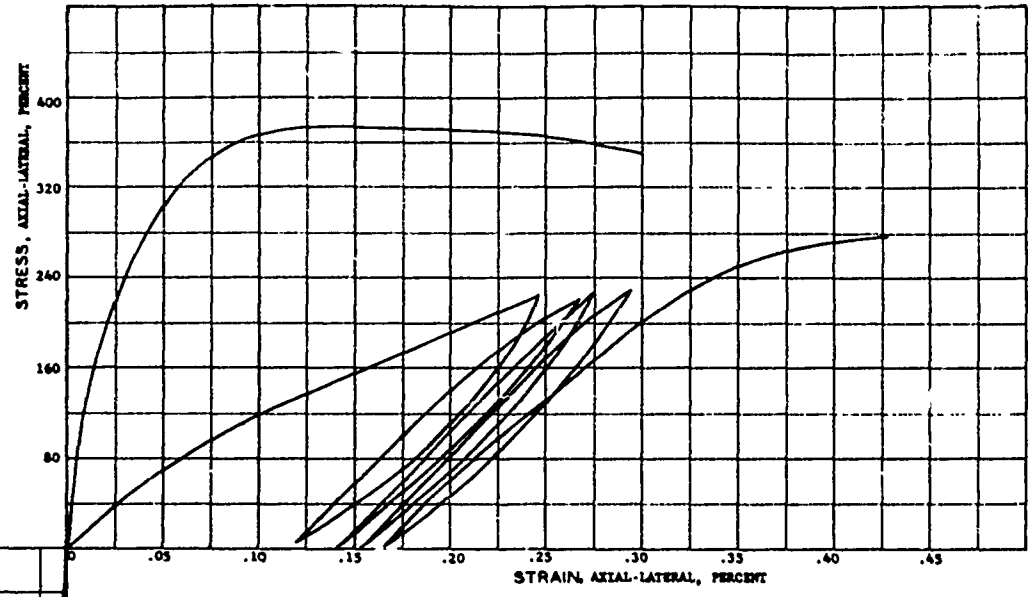
HYDROSTATIC COMPRESSION PHASE



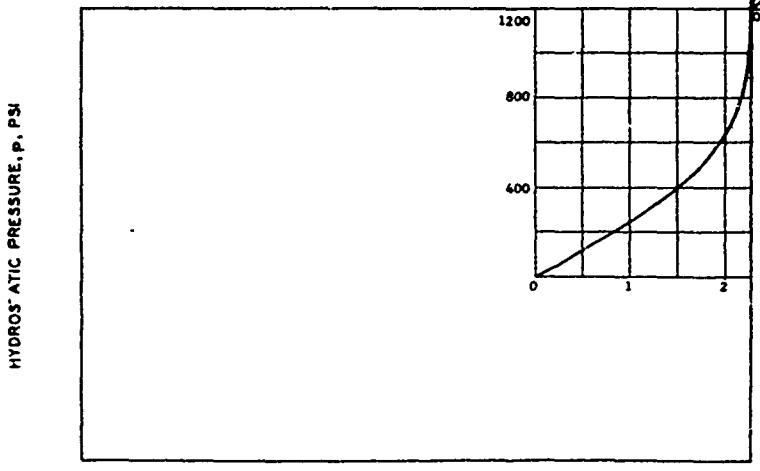
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 119
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Triaxial-Cycle Shear @ 75%	

WATER CONTENT	w	10.75	%
VOID RATIO	e_0	0.34	
SATURATION	S_0	83.50	%
DRY DENSITY	γ_d	124.00	PCF
WET DENSITY	γ	137.32	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7.47	CM



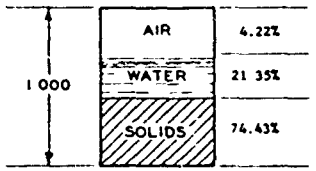


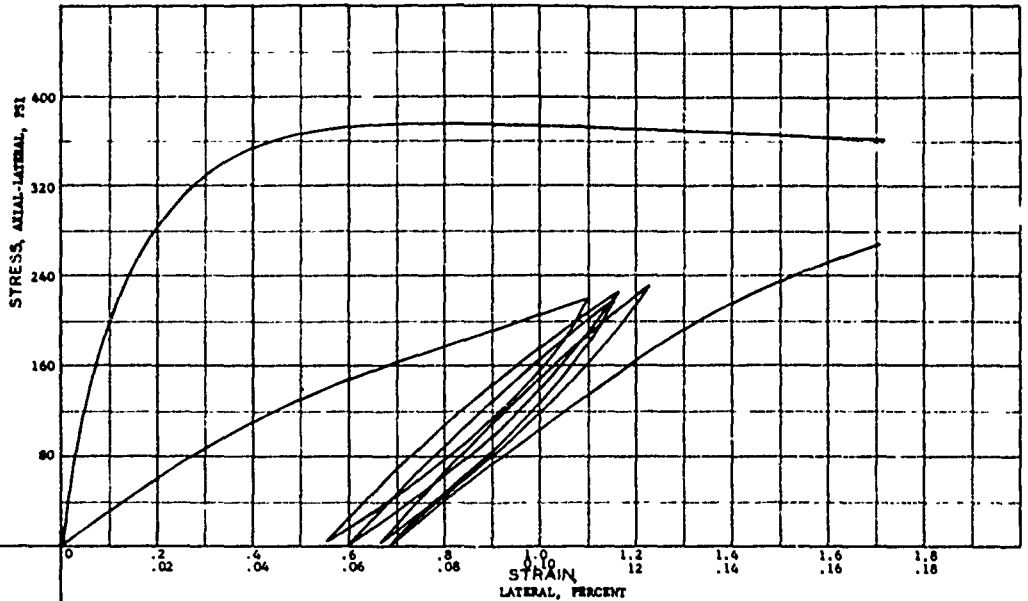
HYDROSTATIC COMPRESSION PHASE



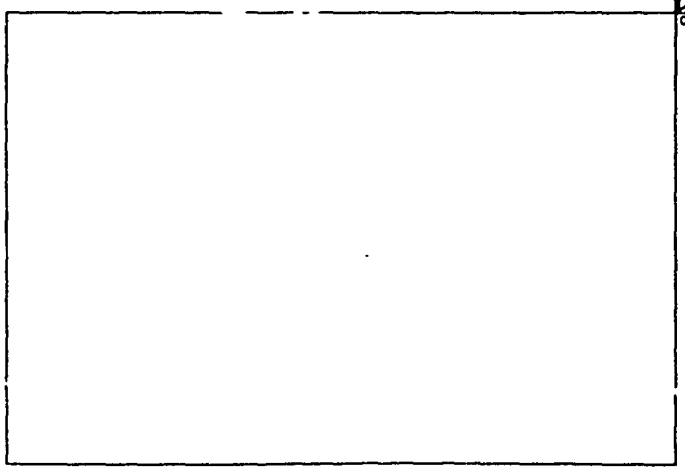
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0031		
AREA		
BORING NO.		SAMPLE NO. 124
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		
Triaxial Test-Cyclic @ 75%		

WATER CONTENT	w	10 75	%
VOID RATIO	e_0	0.34	
SATURATION	S_0	83.50	%
DRY DENSITY	γ_d	124 00	PCF
WET DENSITY	γ	137 32	PCF
SPECIFIC GRAVITY	G_s	2 67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7.47	CM





HYDROSTATIC COMPRESSION PHASE



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PROJECT Georgia Institute of Technology B-602

Contract No. DACA19-67-C-0051

AREA

BORING NO. | SAMPLE NO. 124

DEPTH | DATE

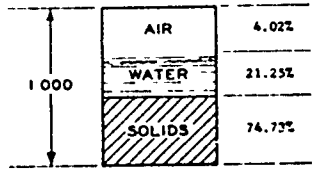
EL

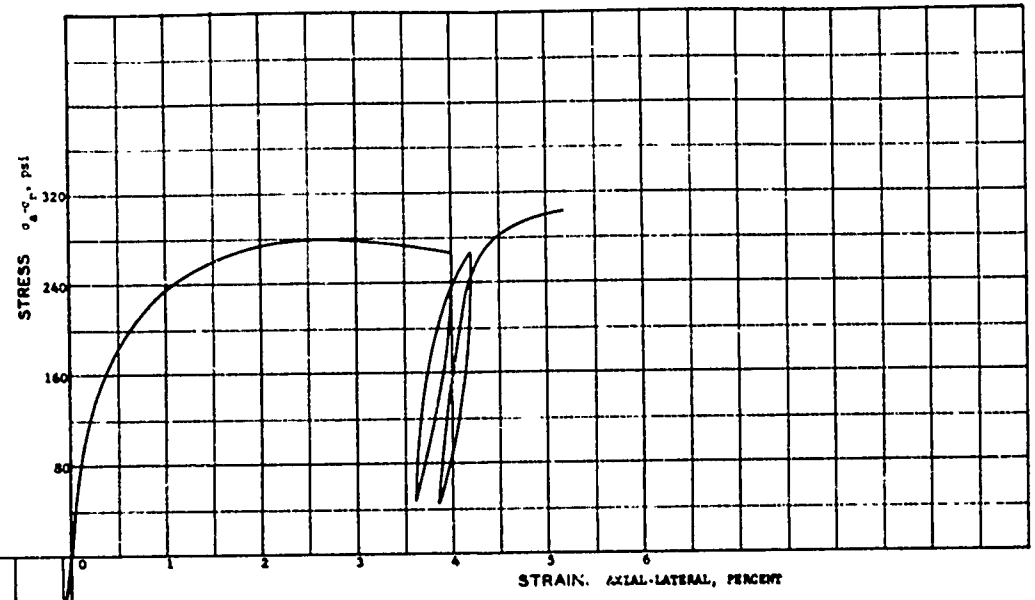
LL 27 | PL 15 | PI 12

DESCRIPTION McCormick Ranch Sand

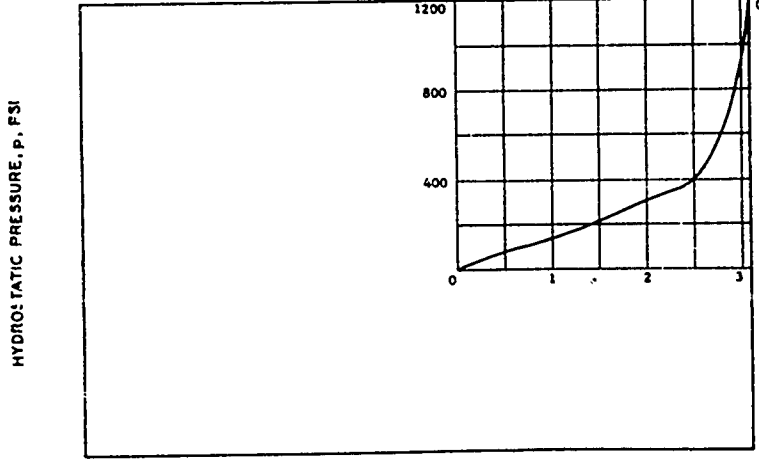
Triaxial Test-Cyclic @ 75%

WATER CONTENT	W	10.65 %
VOID RATIO	e_o	0.34
SATURATION	S_o	84.11 %
DRY DENSITY	γ_d	124.50 PCF
WET DENSITY	γ	137.76 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_o	3.49 CM
SPECIMEN HEIGHT	H_o	7.54 CM



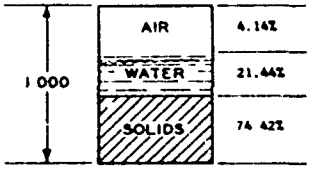


HYDROSTATIC COMPRESSION PHASE

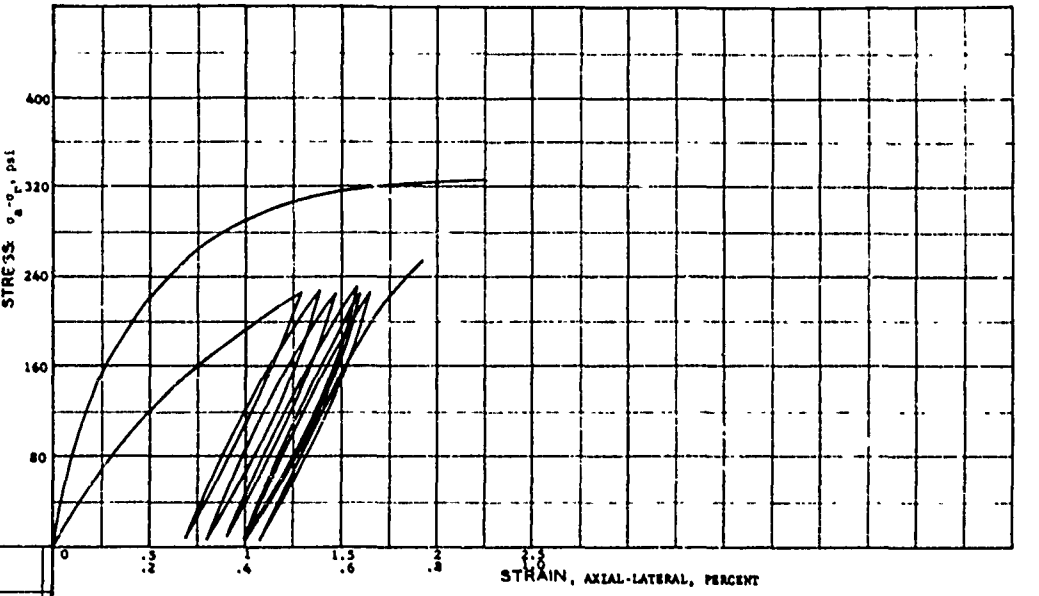


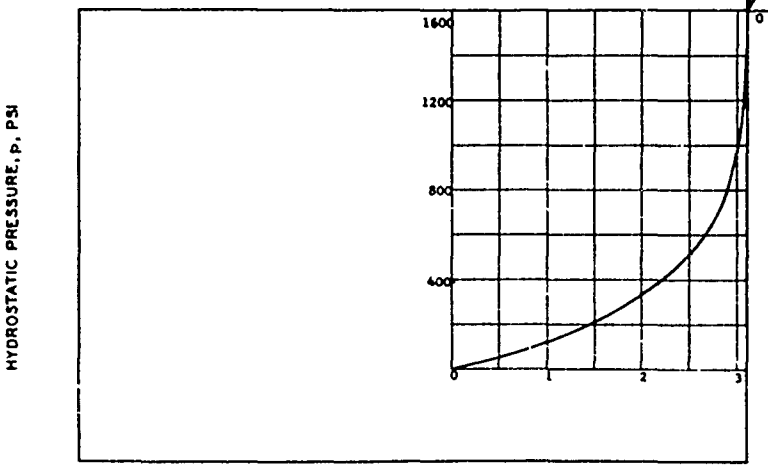
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0031		
AREA			
BORING NO.		SAMPLE NO.	146
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 75%		

WATER CONTENT	w	10.79	%
VOID RATIO	e_0	0.34	
SATURATION	S_0	83.80	%
DRY DENSITY	γ_d	123.99	PCF
WET DENSITY	γ	137.36	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7.53	CM



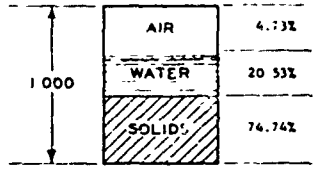
HYDROSTATIC COMPRESSION PHASE

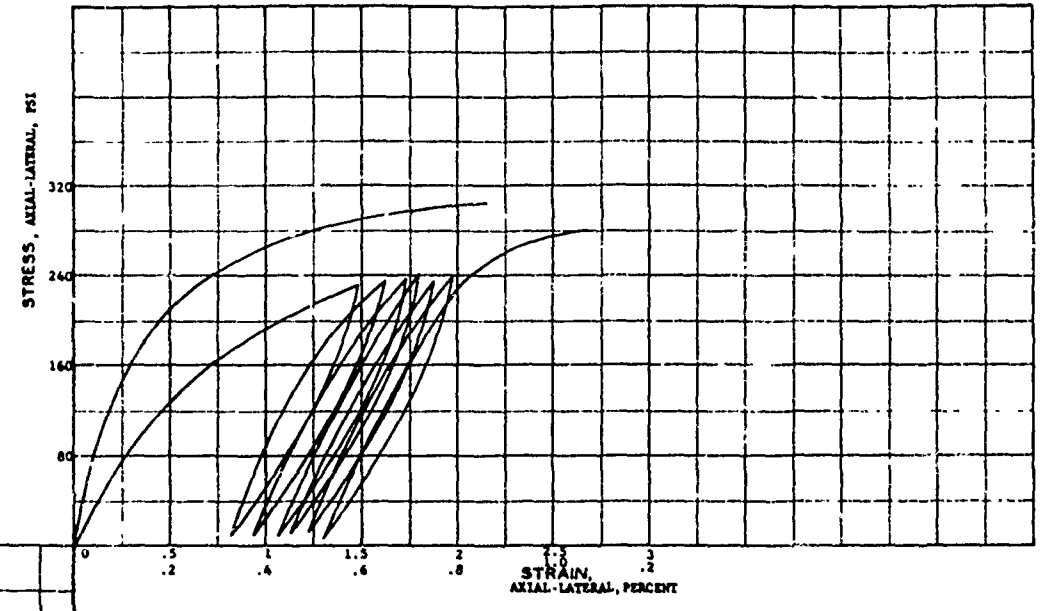




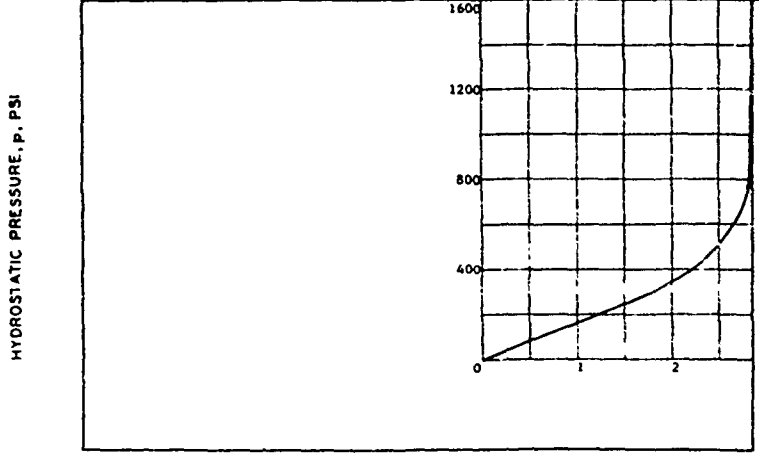
PROJECT	Georgia Institute of Technology		
	Contract No. DACA39-67-C-0031		
AREA			
BORING NO.		SAMPLE NO.	102
DEPTH			
EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 75%		

WATER CONTENT	w	10 29 %
VOID RATIO	e_0	0.34
SATURATION	S_0	81 28 %
DRY DENSITY	γ_d	124.52 PCF
WET DENSITY	γ	137 33 PCF
SPECIFIC GRAVITY	G_s	2 67
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7 53 CM



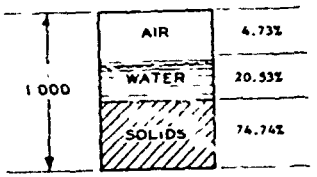


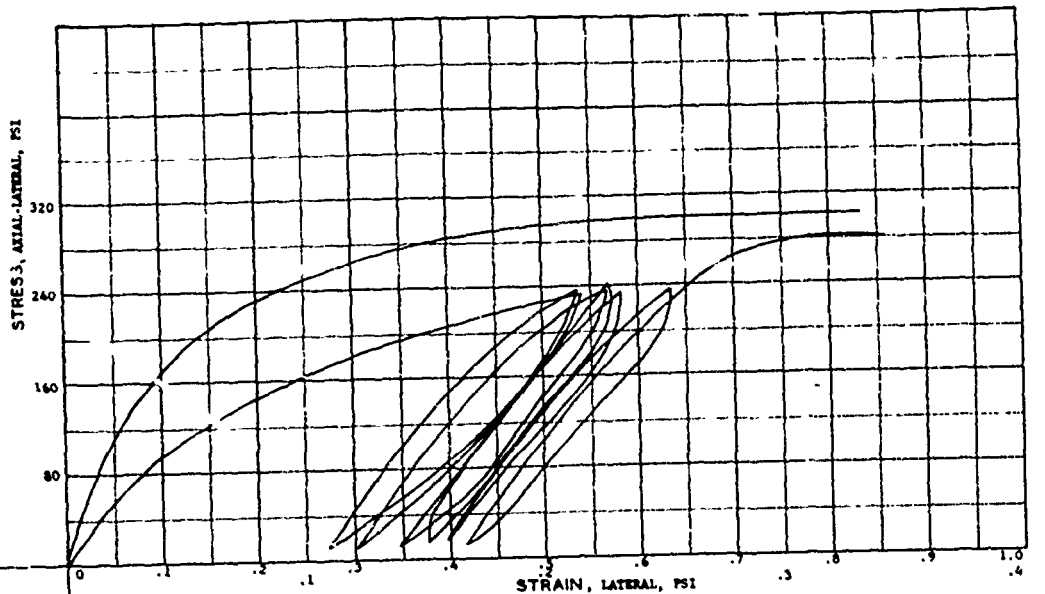
HYDROSTATIC COMPRESSION PHASE



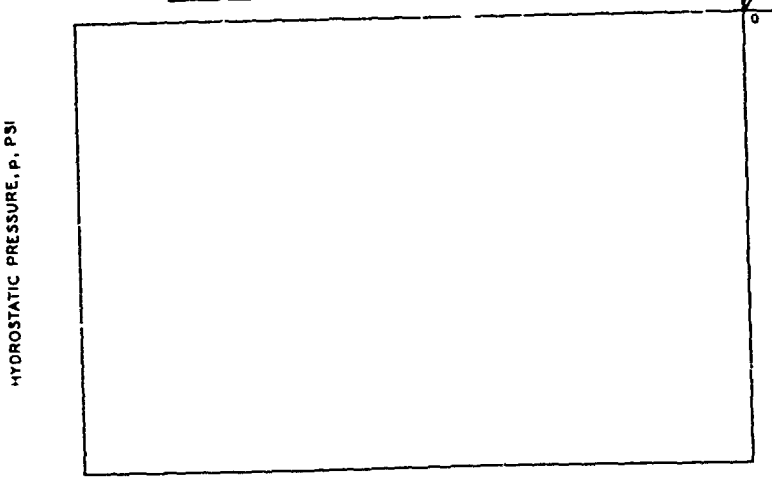
PROJECT Georgia Institute of Technology B 602			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 103	
DEPTH EL		DATE	
LL 27	PL 15	PI 12	
DESCRIPTION McCormick Ranch Sand			
Triaxial Cyclic @ 75%			
Lateral Pressure, 1600 psi			

WATER CONTENT	w	10.29 %
VOID RATIO	e_o	.34
SATURATION	S_r	81.28 %
DRY DENSITY	γ_d	124.52 PCF
WET DENSITY	γ	137.33 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_o	3.50 CM
SPECIMEN HEIGHT	H_o	7.53 CM



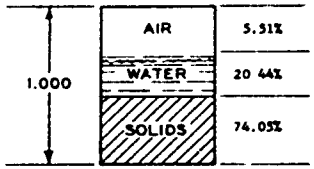


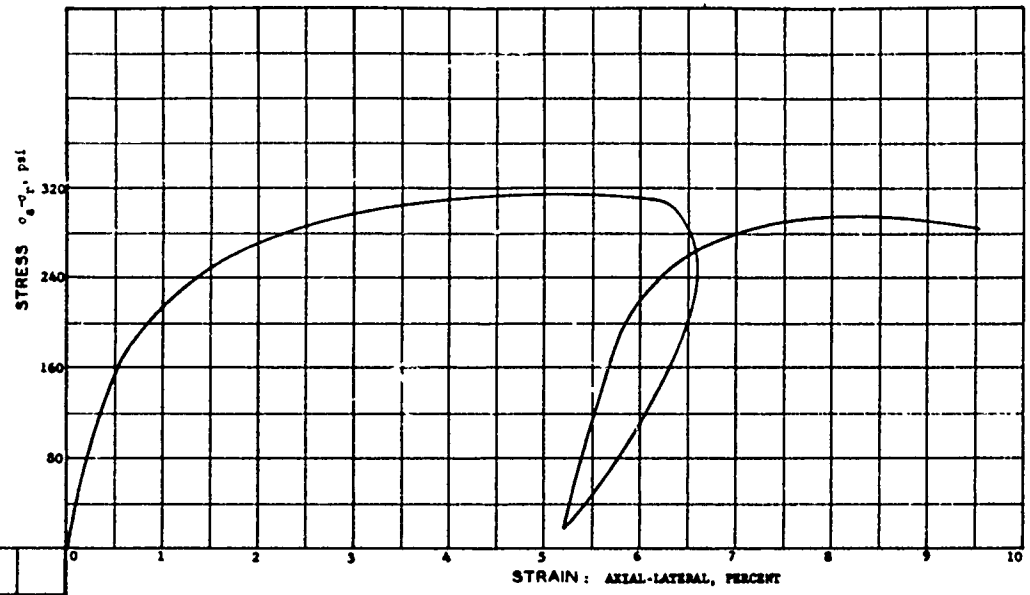
HYDROSTATIC COMPRESSION PHASE



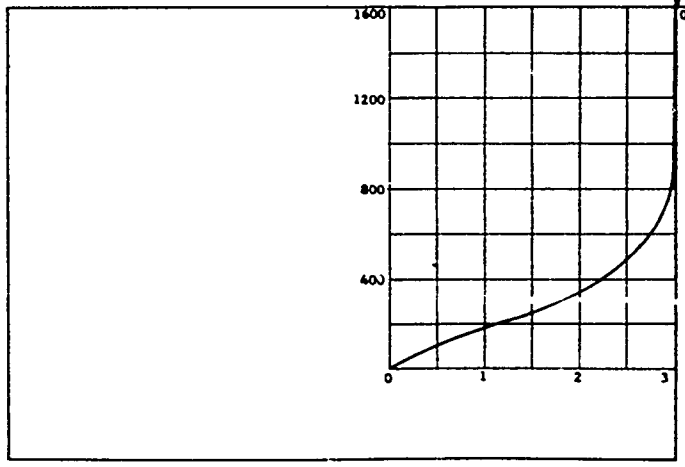
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 103
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		
Triaxial Cyclic @ 75%		
Lateral Pressure, 1600 PSI		

WATER CONTENT	w	10.34 %
VOID RATIO	e_o	0.35
SATURATION	S_o	78.78 %
DRY DENSITY	γ_d	123.37 PCF
WET DENSITY	γ	136.13 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_o	3.51 CM
SPECIMEN HEIGHT	H_o	7.52 CM



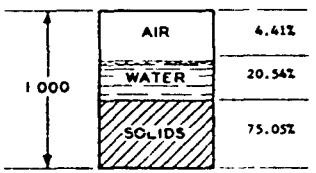


HYDROSTATIC COMPRESSION PHASE

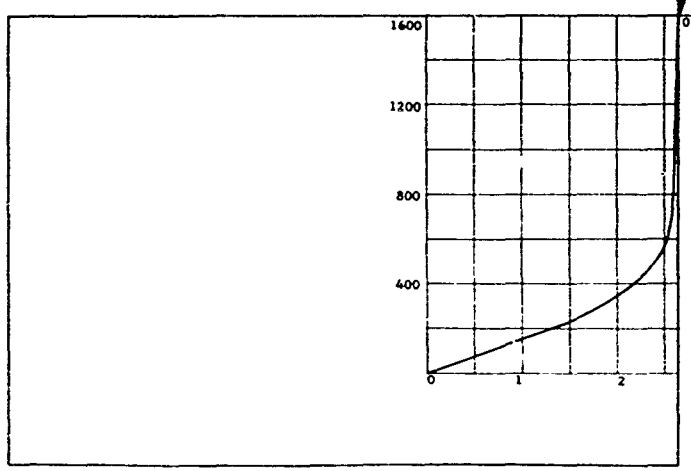


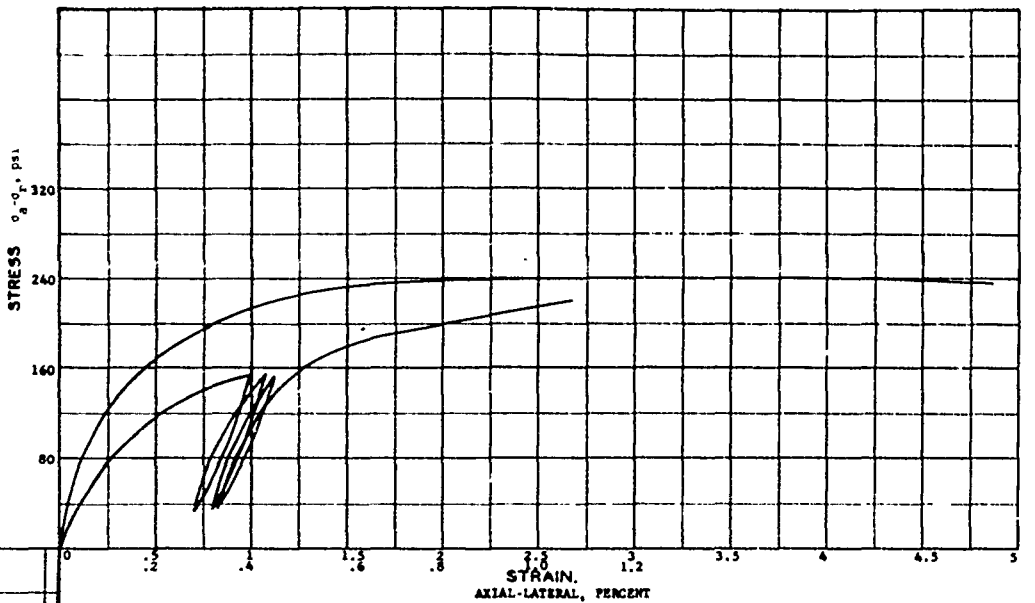
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	140
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand Triaxial-Cycle Shear @ 75%		

WATER CONTENT	w	10.25 %
VOID RATIO	e_o	0 33
SATURATION	S_o	82 33 %
DRY DENSITY	γ_d	125.04 PCF
WET DENSITY	γ	137.86 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_o	3.50 CM
SPECIMEN HEIGHT	H_o	7.55 CM



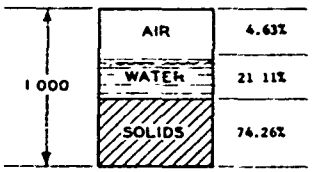
HYDROSTATIC COMPRESSION PHASE

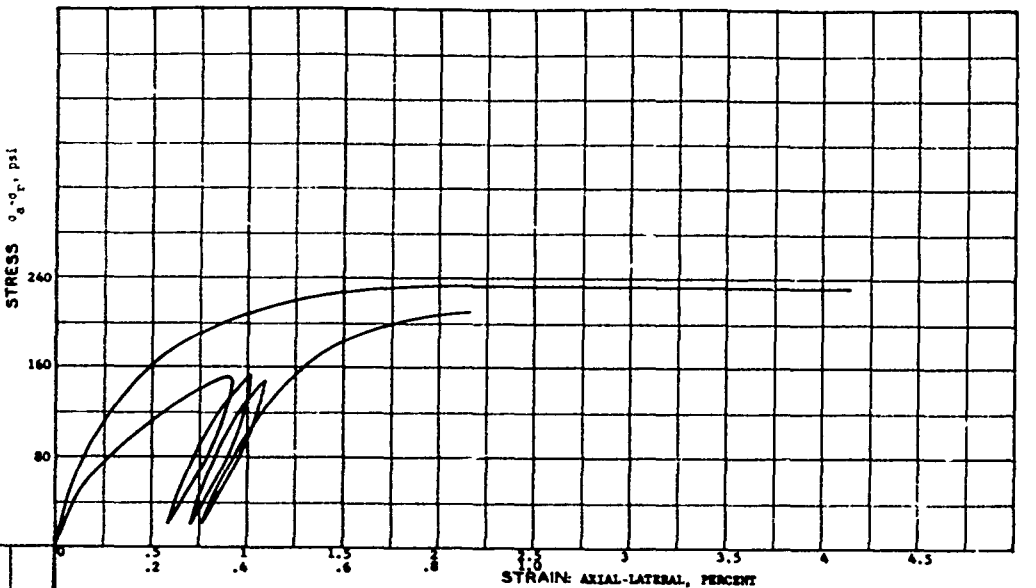




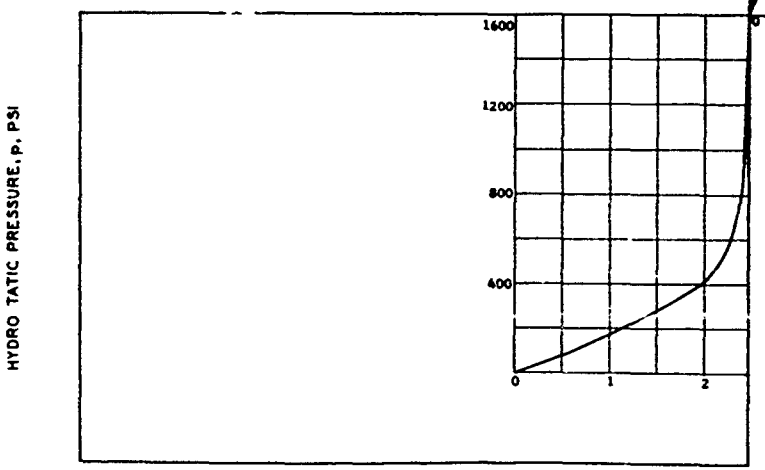
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO	141
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 75%		

WATER CONTENT	w	10.65 %
VOID RATIO	e_o	0.35
SATURATION	S_o	82.02 %
DRY DENSITY	γ_d	123.72 PCF
WET DENSITY	γ	136.89 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_o	3.51 CM
SPECIMEN HEIGHT	H_o	7.55 CM



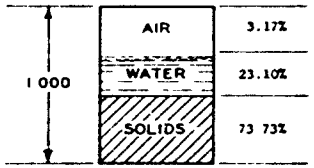


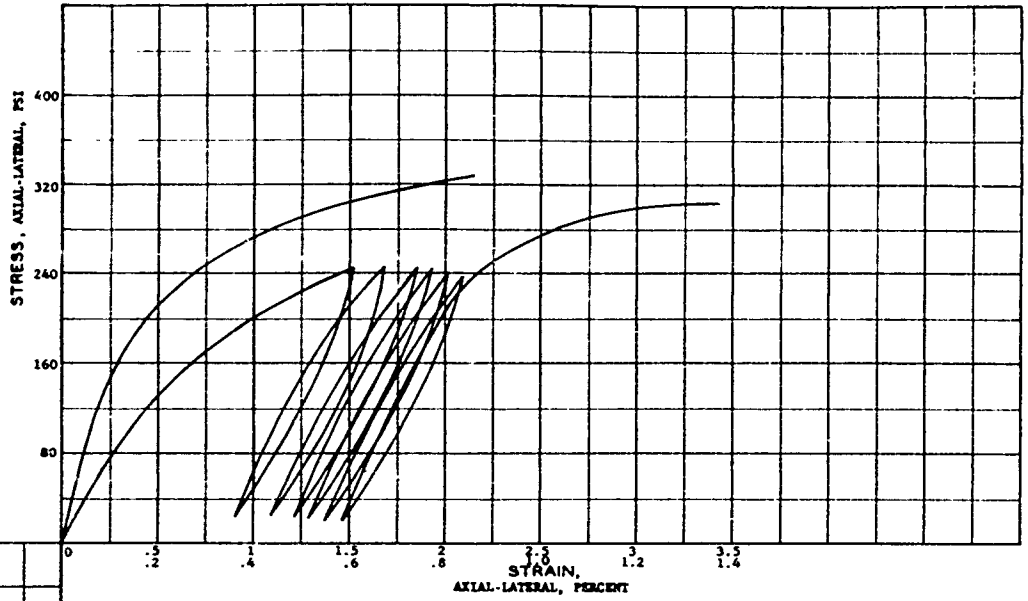
HYDROSTATIC COMPRESSION PHASE



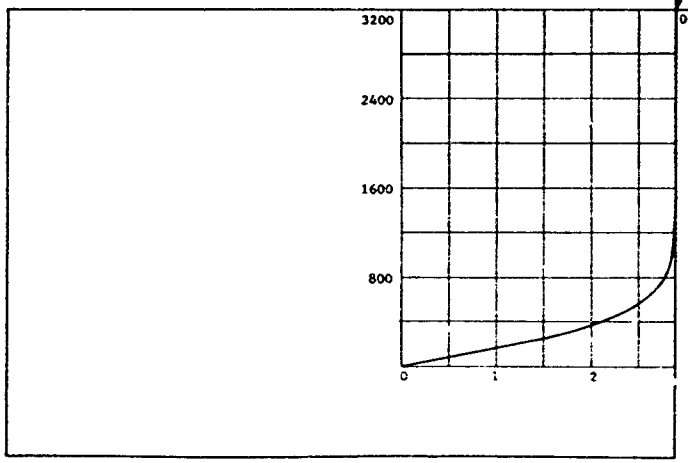
PROJECT	Georgia Institute of Technology B-402	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 148
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Triaxial-Cycle Shear @ 75%	

WATER CONTENT	w	11 73 %
VOID RATIO	e_o	0 36
SATURATION	S_o	87.94 %
DRY DENSITY	γ_d	122 85 PCF
WET DENSITY	γ	137 26 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_o	3 51 CM
SPECIMEN HEIGHT	H_o	7.52 CM



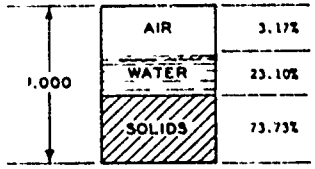


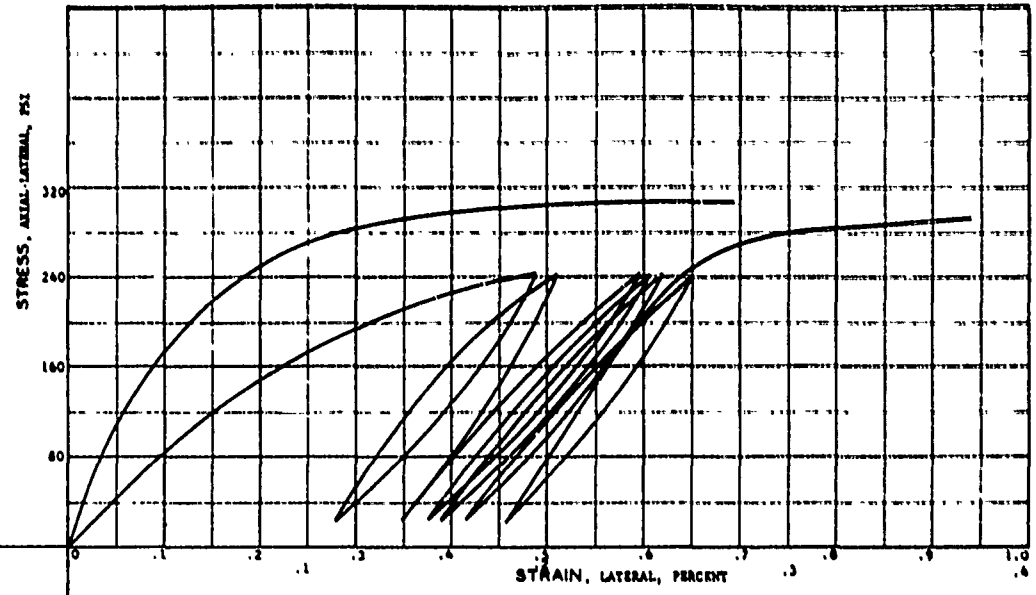
HYDROSTATIC COMPRESSION PHASE



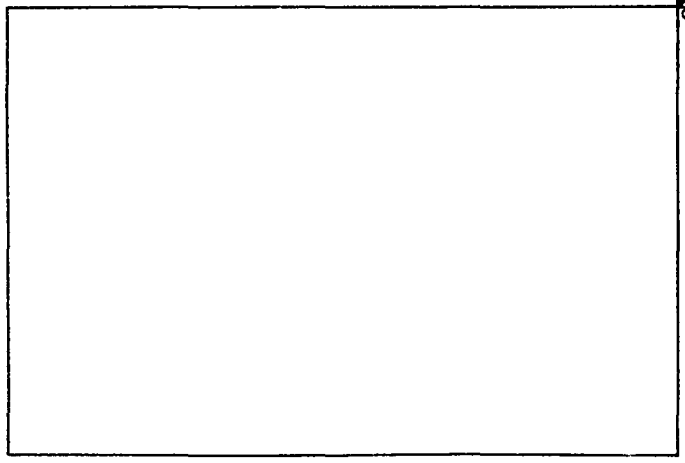
PROJECT Georgia Institute of Technology B-602			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO		SAMPLE NO 104	
DEPTH EL		DATE	
LL 27	PL 15		PI 12
DESCRIPTION McCormick Ranch Sand			
Triaxial Cyclic @ 75%			
Lateral Pressure, 3200 psi			

WATER CONTENT	w	11.73 %
VOID RATIO	e_0	0.36
SATURATION	S_0	87.94 %
DRY DENSITY	γ_d	122.85 PCF
WET DENSITY	γ	137.26 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.31 CM
SPECIMEN HEIGHT	H_0	7.52 CM



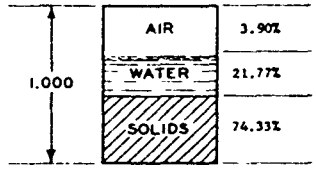


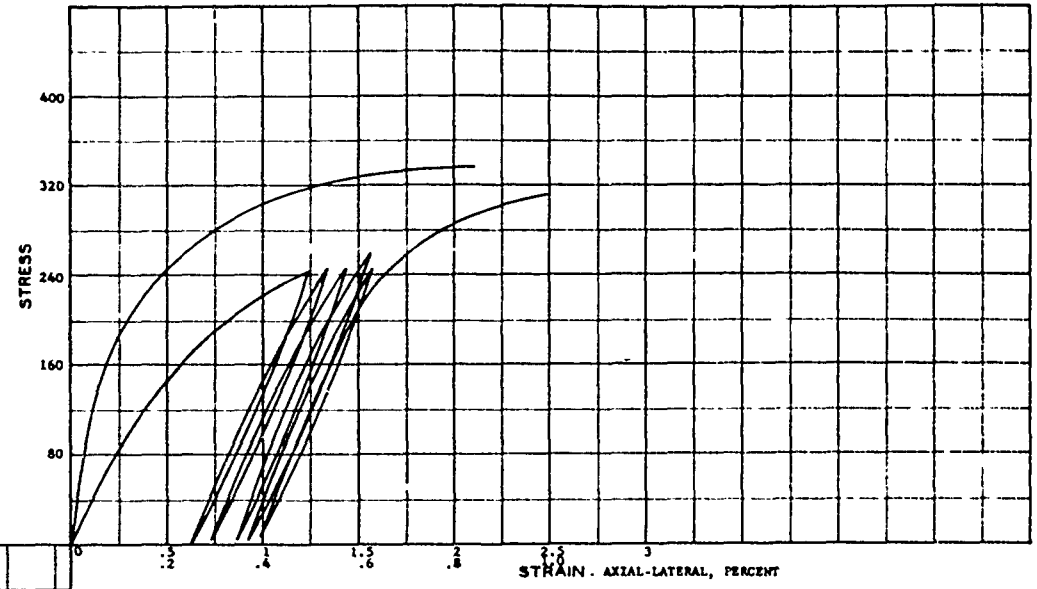
HYDROSTATIC COMPRESSION PHASE



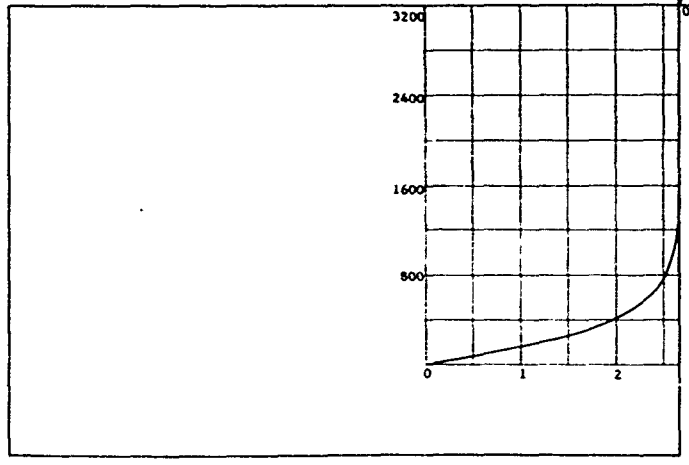
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0031		
AREA			
BORING NO.		SAMPLE NO.	104
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial Cyclic @ 75%		
	Lateral Pressure, 3200 psi		

WATER CONTENT	w	10.97	%
VOID RATIO	e_0	0.35	
SATURATION	S_0	84.81	%
DRY DENSITY	γ_d	123.83	PCF
WET DENSITY	γ	137.42	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.53	CM



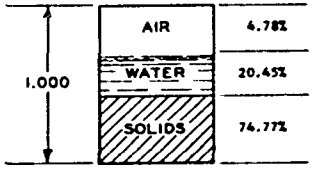


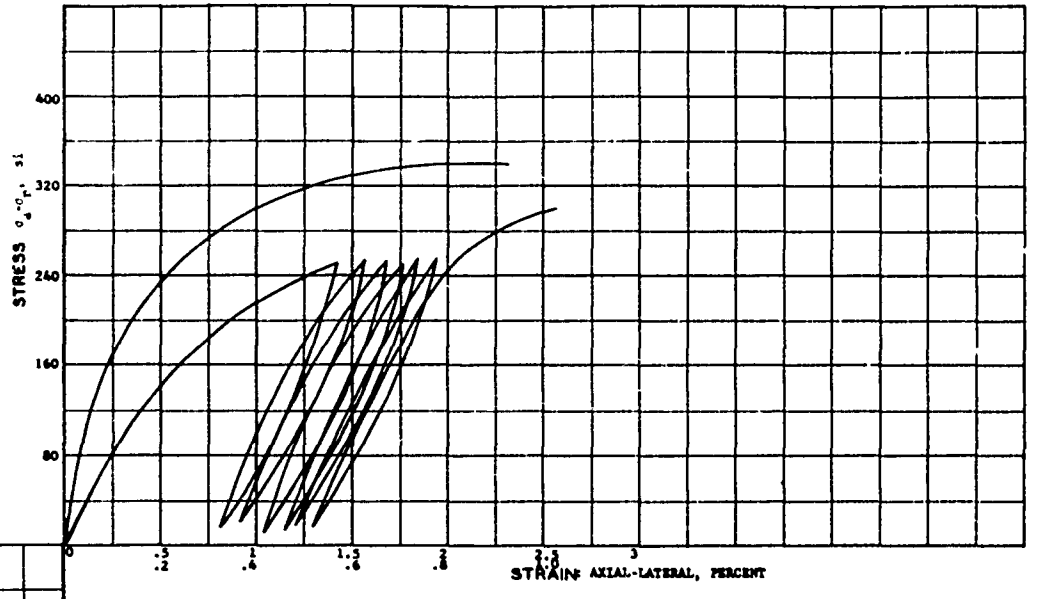
HYDROSTATIC COMPRESSION PHASE



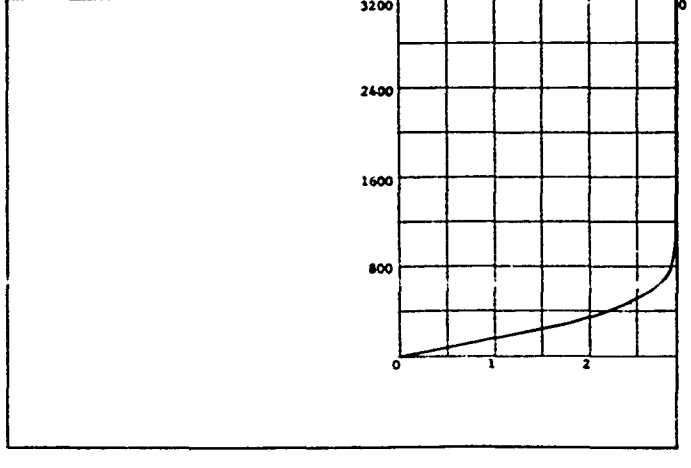
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO. 105A	
DEPTH EL		DATE	
LL 27	PL 15	PI 12	
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 75%		

WATER CONTENT	w	10.24 %
VOID RATIO	e_o	0.34
SATURATION	S_o	81.04 %
DRY DENSITY	γ_d	124.56 PCF
WET DENSITY	γ	137.32 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_o	3.51 CM
SPECIMEN HEIGHT	H_o	7.52 CM



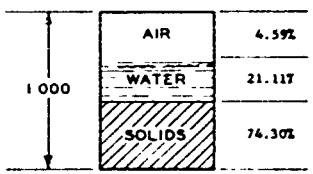


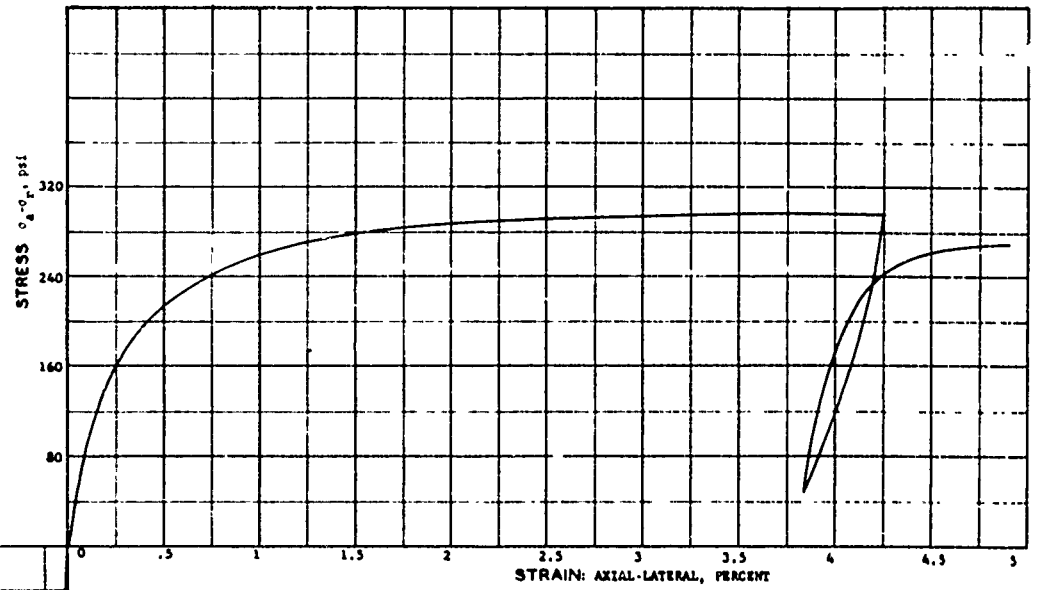
HYDROSTATIC COMPRESSION PHASE



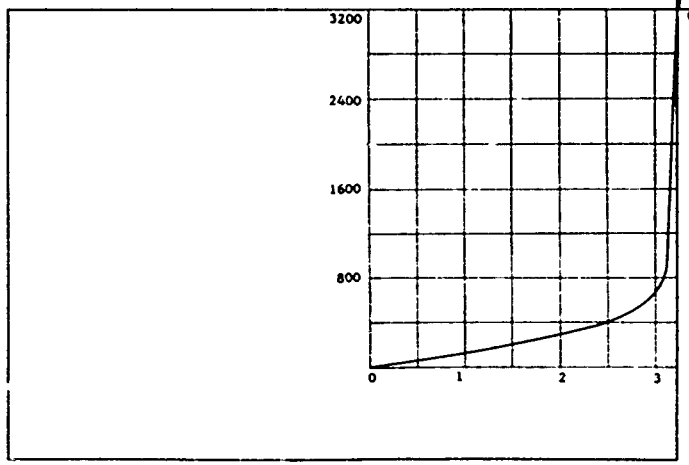
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0031		
AREA		
BORING NO.		SAMPLE NO. 1058
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		
Triaxial-Cycle Shear @ 75%		

WATER CONTENT	w	10.64 %
VOID RATIO	e_0	0.35
SATURATION	S_0	82.15 %
DRY DENSITY	γ_d	123.80 PCF
WET DENSITY	γ	136 97 PCF
SPECIFIC GRAVITY	G_s	2 67
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.52 CM





HYDROSTATIC COMPRESSION PHASE



PROJECT Georgia Institute of Technology B-602

Contract No. DACA39-67-C-0051

AREA

BORING NO. | SAMPLE NO. 157

DEPTH

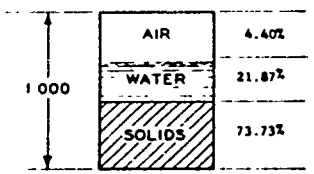
EL | DATE

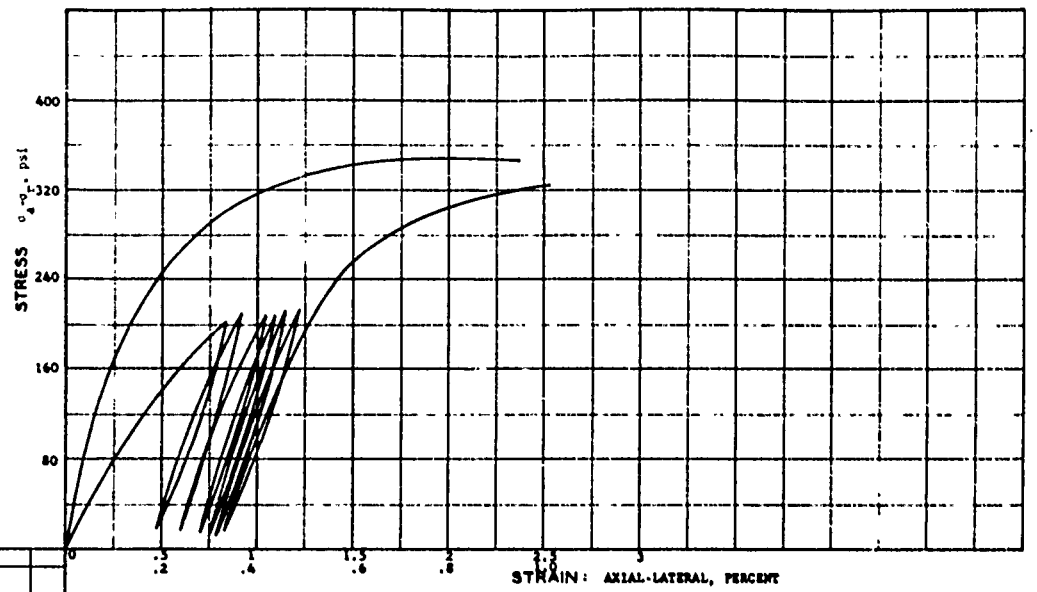
LL 27 | PL 15 | PI 12

DESCRIPTION McCormick Ranch Sand

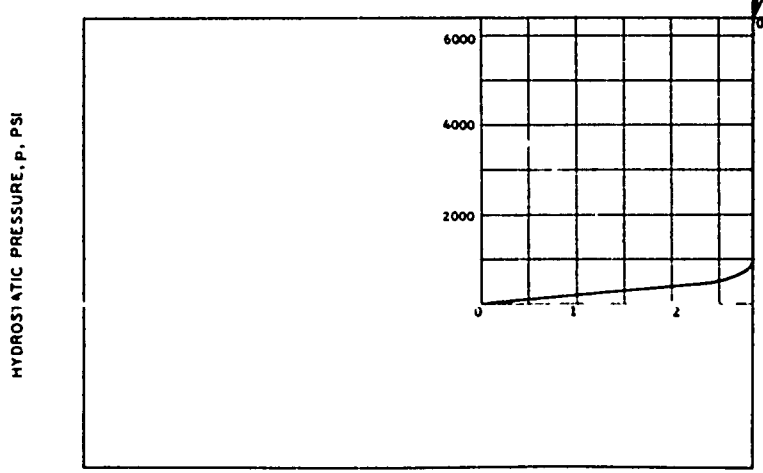
Triaxial-Cycle Shear @ 75%

WATER CONTENT	w	11.11	%
VOID RATIO	e_0	0.36	
SATURATION	S_0	83.24	%
DRY DENSITY	γ_d	122.83	PCF
WET DENSITY	γ	136.48	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7.54	CM



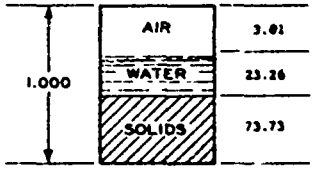


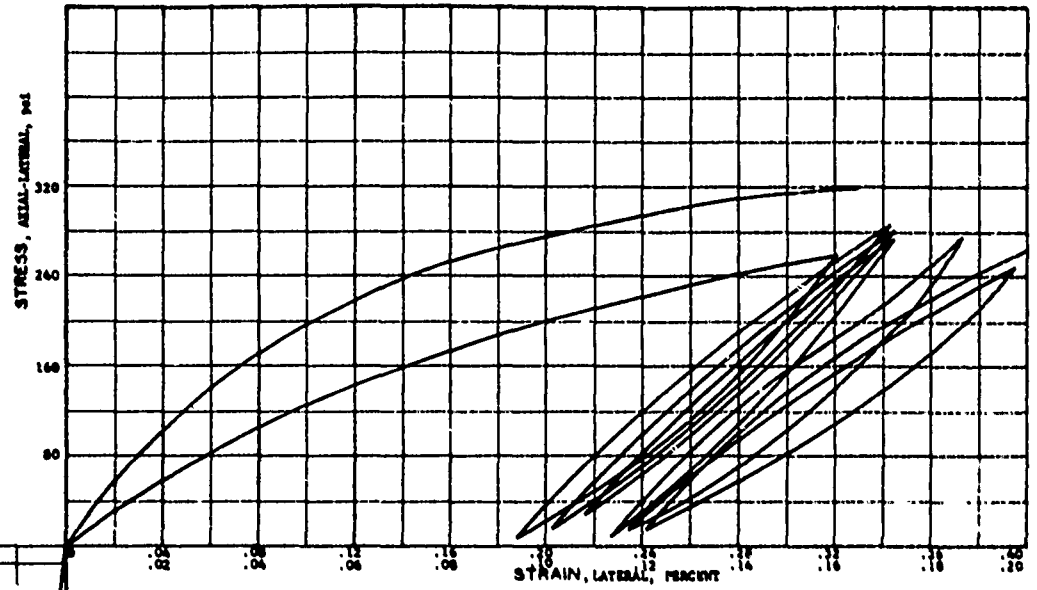
HYDROSTATIC COMPRESSION PHASE



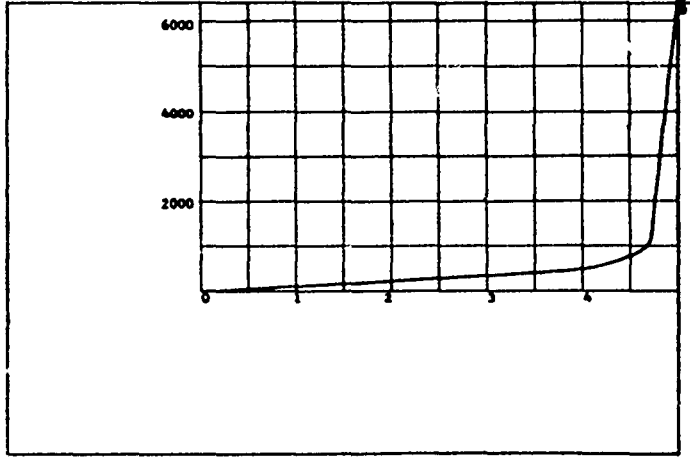
PROJECT Georgia Institute of Technology B-602
Contract No. DACA39-67-C-0051
AREA
BORING NO. SAMPLE NO. 80
DEPTH
EL DATE
LL 27 PL 15 PI 12
DESCRIPTION McCormick Ranch Sand
Triaxial-Cycle Shear @ 75%

WATER CONTENT	W	11.82 %
VOID RATIO	e_0	0.36
SATURATION	S_0	88.55 %
DRY DENSITY	γ_d	122.84 PCF
WET DENSITY	γ	137.36 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.51 CM
SPECIMEN HEIGHT	H_0	7.53 CM





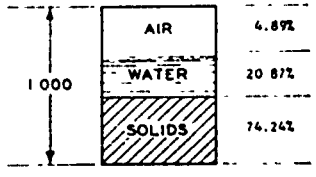
HYDROSTATIC COMPRESSION PHASE

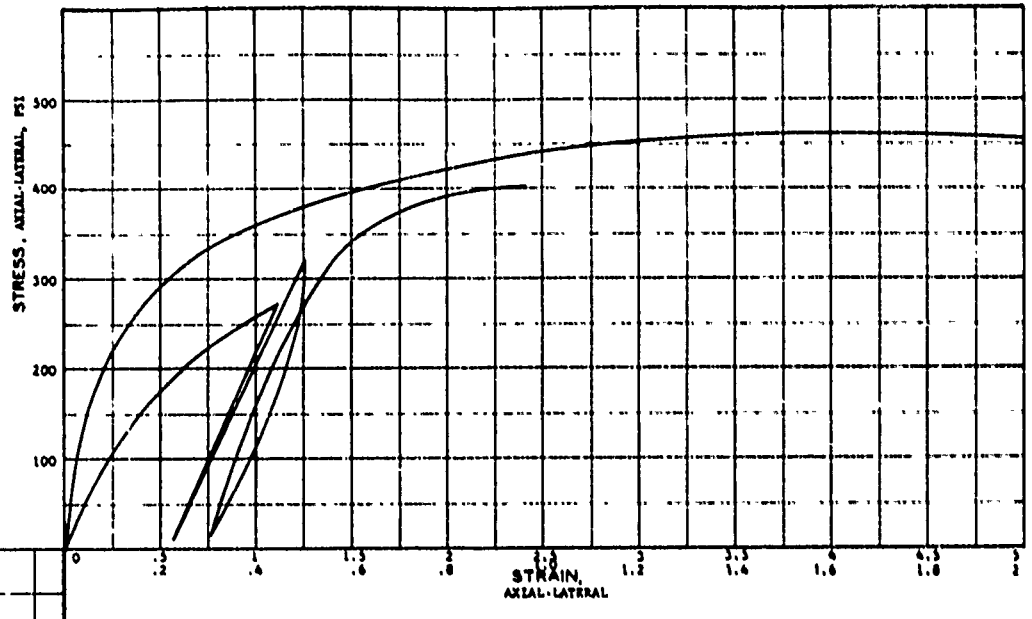


HYDROSTATIC PRESSURE, p, PSI

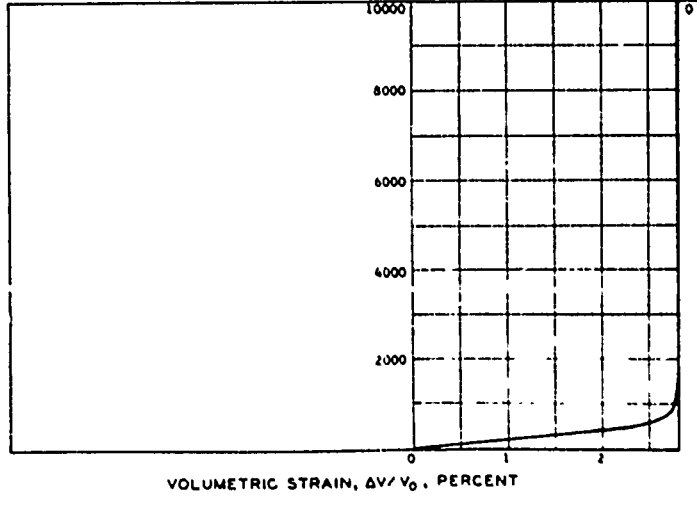
PROJECT	Georgia Institute of Technology B-402		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO. 82	
DEPTH EL		DATE	
LL 27	PL 15	PI 12	
DESCRIPTION	McCormick Ranch Sand		
	Triaxial Cycle (A 75%		
	Lateral Pressure, 6400 psi		

WATER CONTENT	w	10.53 %
VOID RATIO	e_0	0.35
SATURATION	S_0	81.03 %
DRY DENSITY	γ_d	123.70 PCF
WET DENSITY	γ	136.72 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.51 CM
SPECIMEN HEIGHT	H_0	7.55 CM





HYDROSTATIC COMPRESSION PHASE



PROJECT Georgia Institute of Technology B-802

Contract No. DACA39-67-C-0021

AREA

BORING NO. SAMPLE NO. 76

DEPTH

EL DATE

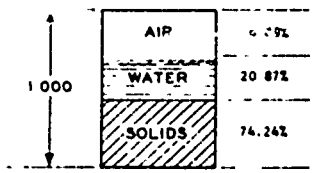
LL 27 PL 15 PI 12

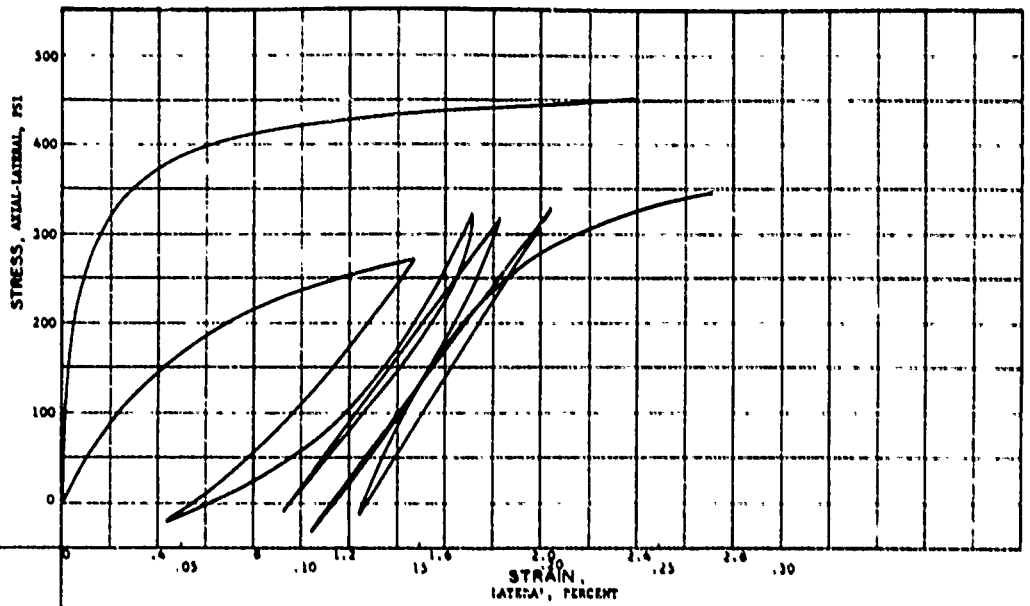
DESCRIPTION McCormick Ranch Sand

Triaxial Cyclic ✓ 75%

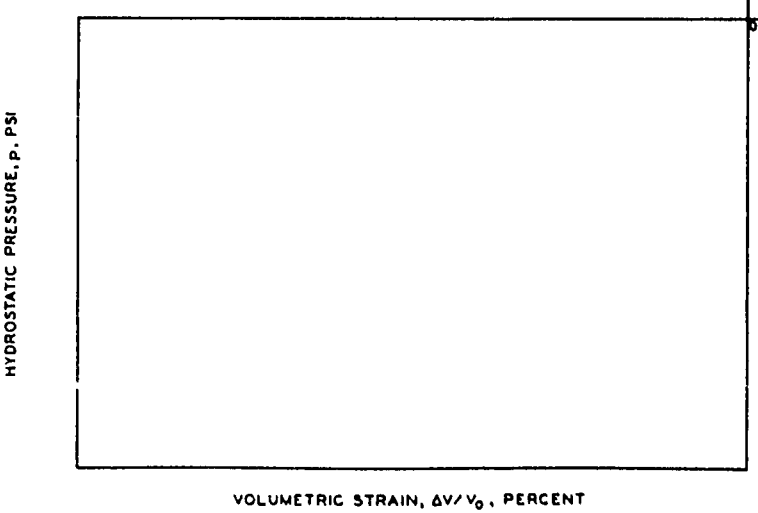
Lateral Pressure, 10,000 psi

WATER CONTENT	W	10.53 %
VOID RATIO	e_0	0.35
SATURATION	S_0	81.03 %
DRY DENSITY	γ_d	123.70 PCF
WET DENSITY	γ	136.72 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.51 CM
SPECIMEN HEIGHT	H_0	7.55 CM



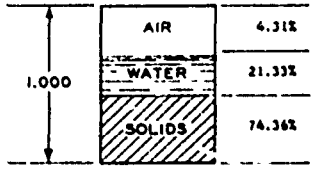


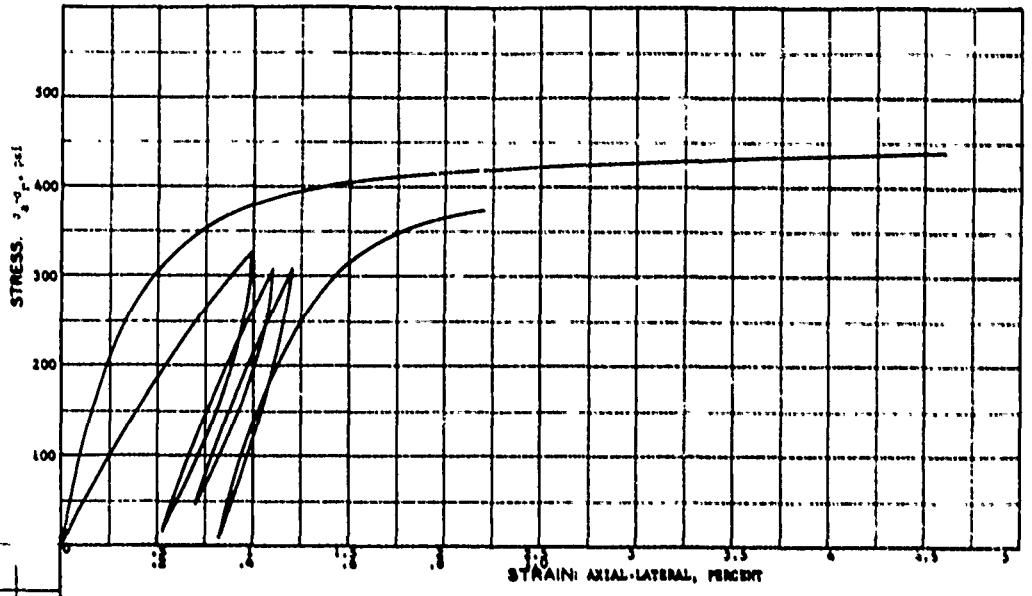
HYDROSTATIC COMPRESSION PHASE



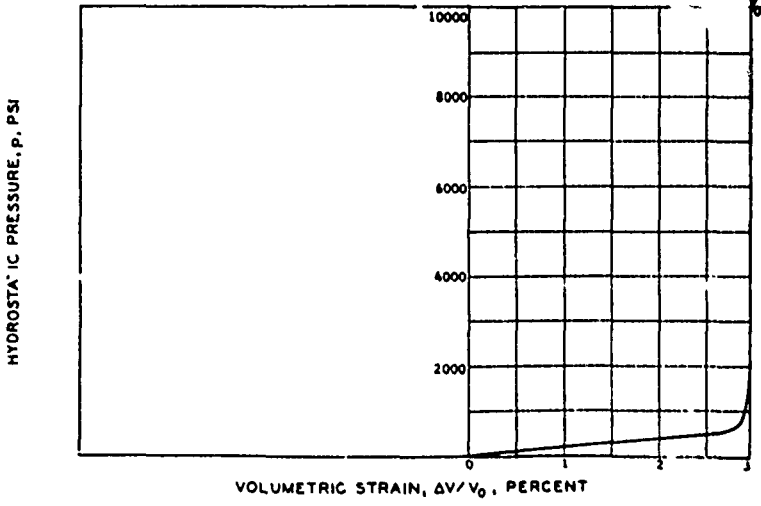
PROJECT Georgia Institute of Technology B-902
Contract No. DACA39-67-C-0031
AREA
BORING NO. SAMPLE NO. 76
DEPTH
EL DATE
LL 27 PL 15 PI 12
DESCRIPTION McCormick Ranch Sand
Triaxial Cycle @ 75%
Lateral Pressure, 10,000 psi

WATER CONTENT	W	10.74 %
VOID RATIO	e_0	0.34
SATURATION	S_0	83.20 %
DRY DENSITY	γ_d	123.89 PCF
WET DENSITY	γ	137.20 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.51 CM
SPECIMEN HEIGHT	H_0	7.53 CM





HYDROSTATIC COMPRESSION PHASE



PROJECT Georgia Institute of Technology B-902

Contract No. DACA39-67-C-0031

AREA

BORING NO. SAMPLE NO. 78

DEPTH DATE

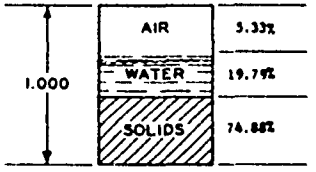
EL

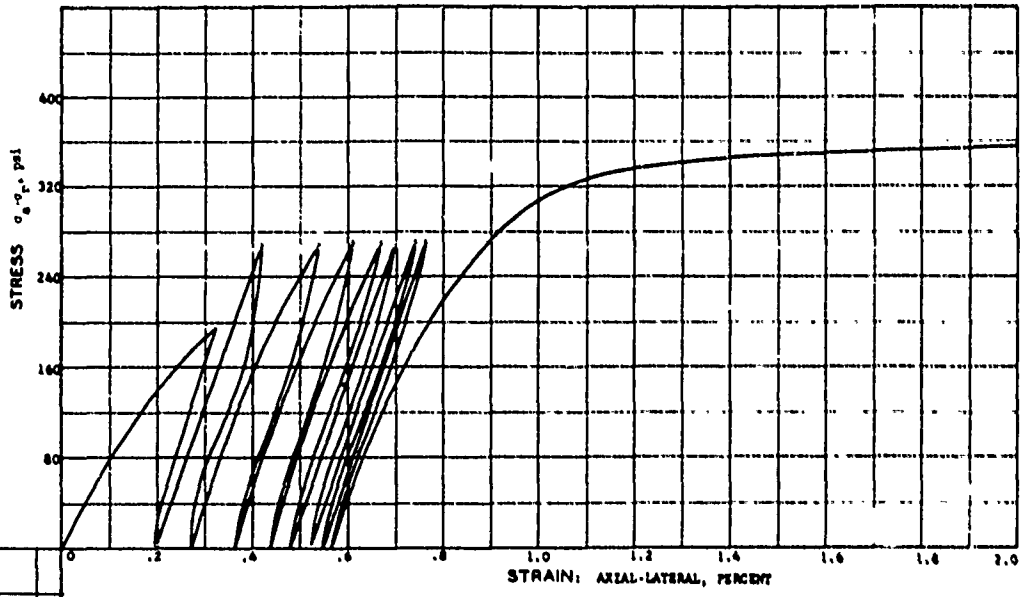
LL 27 PL 15 PI 12

DESCRIPTION McCormick Ranch Sand

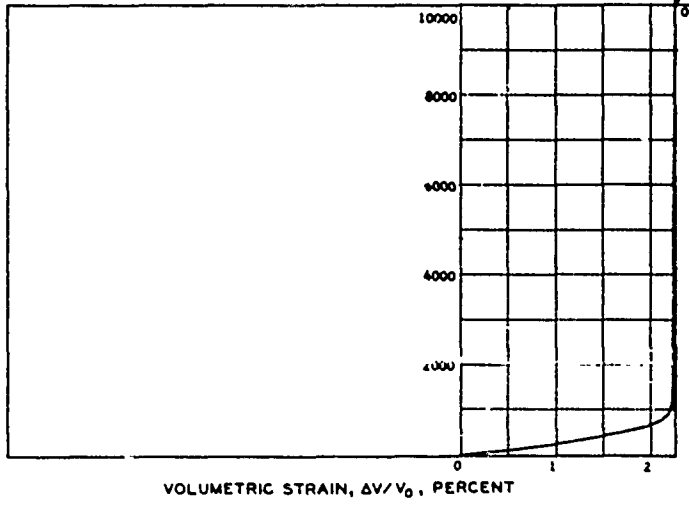
Triaxial-Cycle Shear @ 75%

WATER CONTENT	w	9.90	%
VOID RATIO	e_0	0.33	
SATURATION	S_0	78.78	%
DRY DENSITY	γ_d	124.76	PCF
WET DENSITY	γ	137.11	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.54	CM



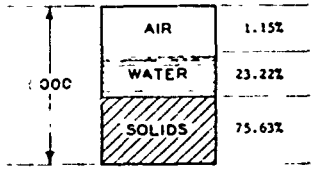


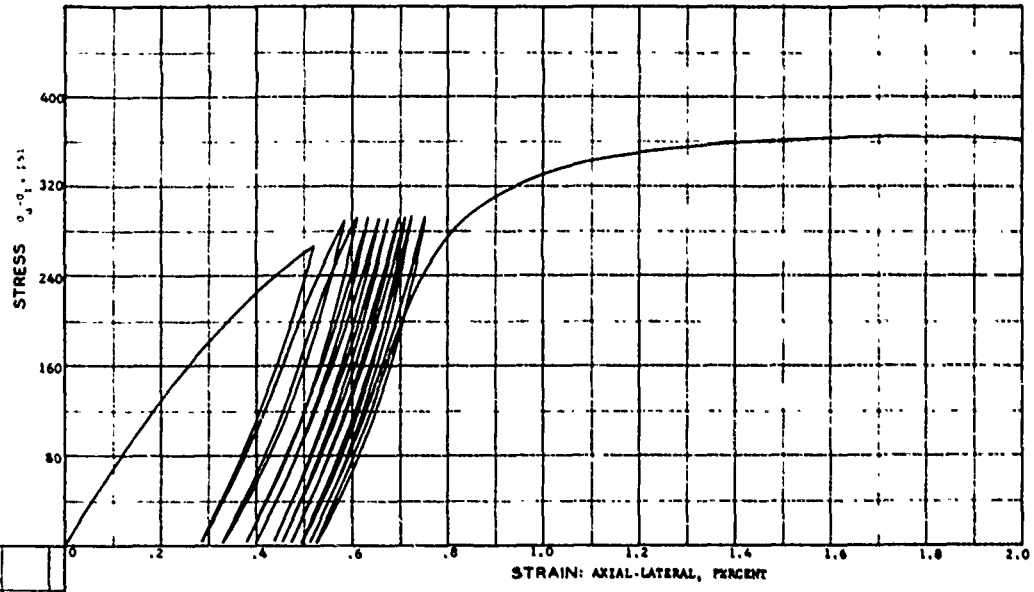
HYDROSTATIC COMPRESSION PHASE



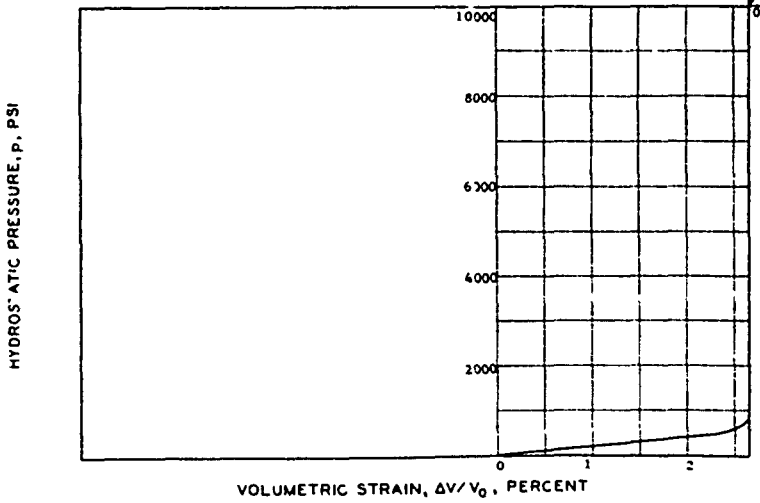
PROJECT	Georgia Institute of Technology		
	Contract No. DACA39-67-C-0031		
AREA			
BORING NO.		SAMPLE NO.	79
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cyclic Shear @ 75%		

WATER CONTENT	w	11.50	%
VOID RATIO	e_0	0.32	
SATURATION	S_0	95 31	%
DRY DENSITY	γ_d	126.01	PCF
WET DENSITY	γ	140.50	PCF
SPECIFIC GRAVITY	G_s	2 67	
SPECIMEN DIAMETER	D_0	3.47	CM
SPECIMEN HEIGHT	H_0	7.54	CM





HYDROSTATIC COMPRESSION PHASE

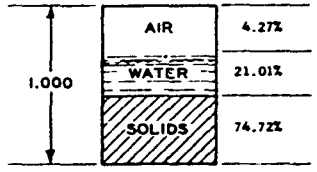


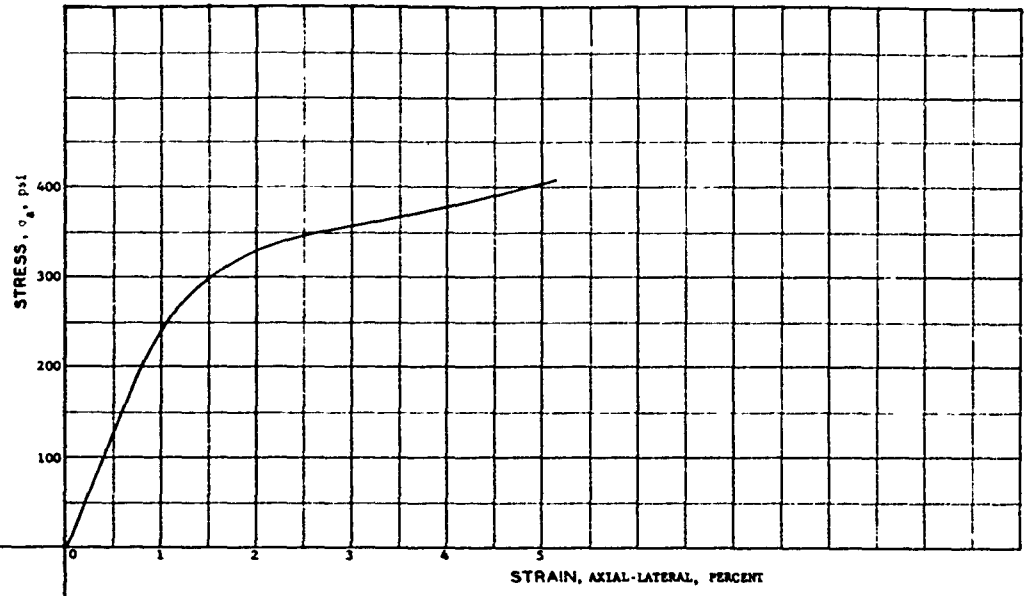
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	81
DEPTH			
EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Triaxial-Cycle Shear @ 75%		

Group D

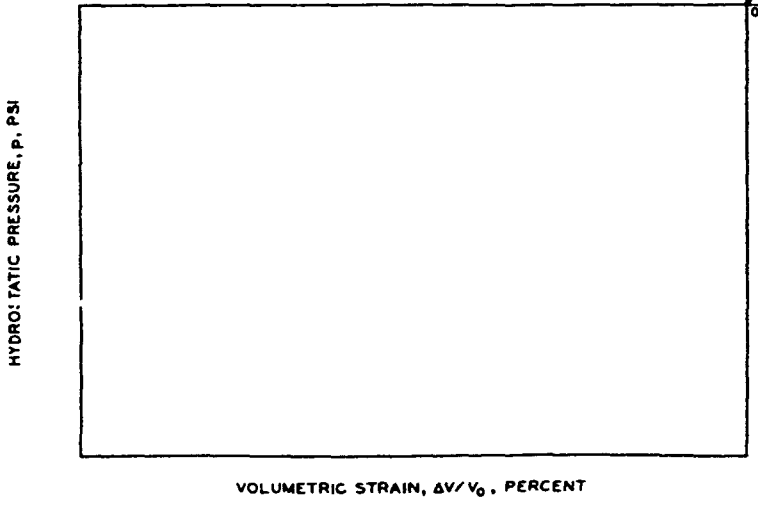
Constant Ratio Tests

WATER CONTENT	w	10 53	%
VOID RATIO	e_0	0.34	
SATURATION	S_0	83 11	%
DRY DENSITY	γ_d	124.48	PCF
WET DENSITY	γ	137 60	PCF
SPECIFIC GRAVITY	G_s	2 67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.52	CM



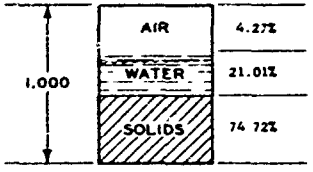


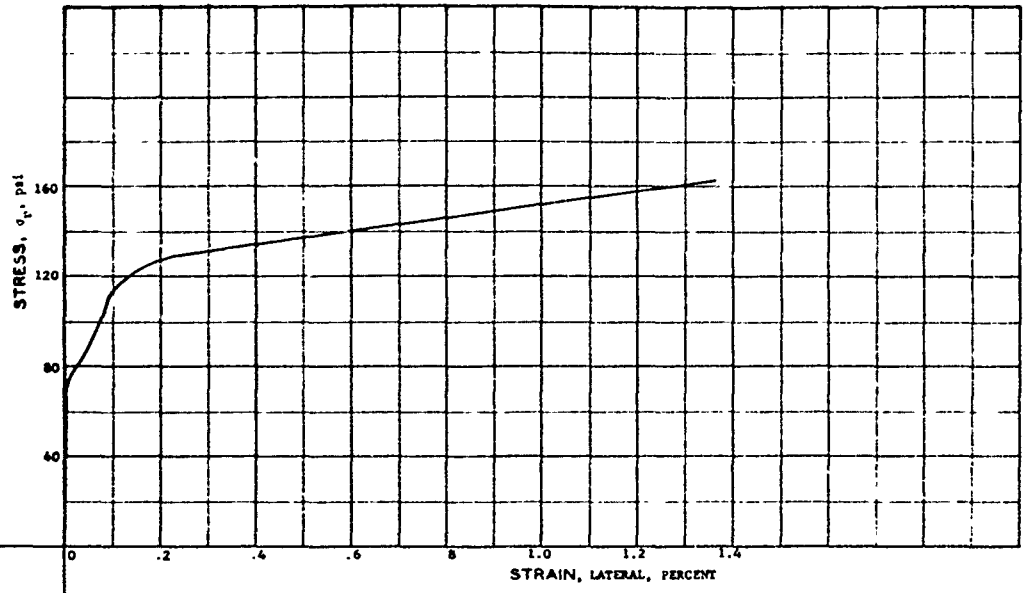
HYDROSTATIC COMPRESSION PHASE



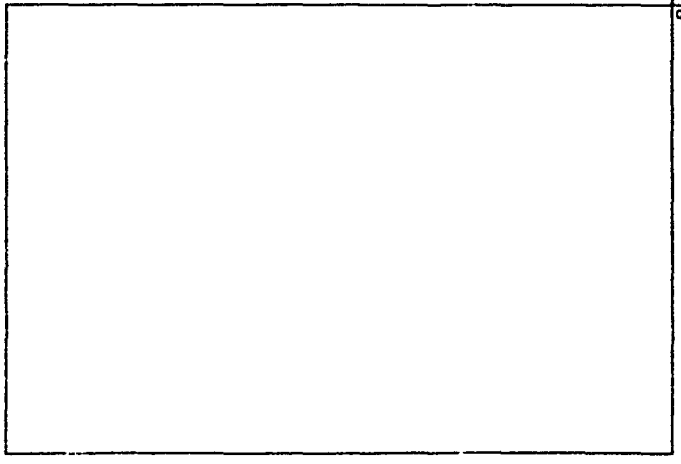
PROJECT	Ga Tech B-602,		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO	158
DEPTH EL		DATE	
LL 27	PL 15	PI 12	
DESCRIPTION	McCormick Ranch Sand		
	Constant Stress Ratio, 0.4		
	Initial Pressure, 0 psi		

WATER CONTENT	w	10.53	%
VOID RATIO	e_o	0 34	
SATURATION	S_o	83.11	%
DRY DENSITY	γ_d	124 48	PCF
WET DENSITY	γ	137.60	PCF
SPECIFIC GRAVITY	G_s	2 67	
SPECIMEN DIAMETER	D_o	3.50	CM
SPECIMEN HEIGHT	H_o	7.52	CM



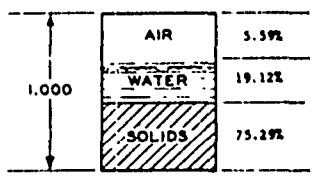


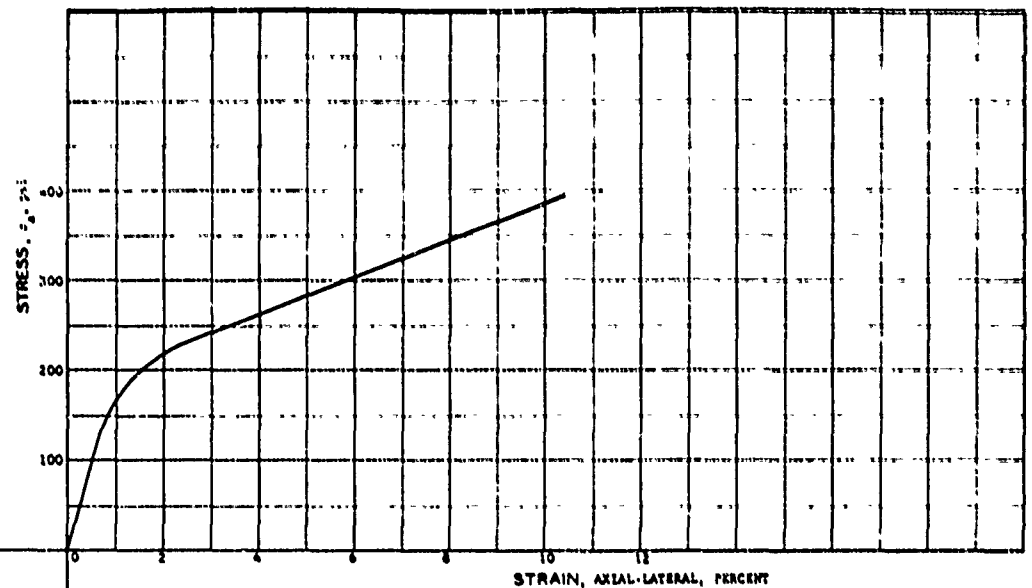
HYDROSTATIC COMPRESSION PHASE



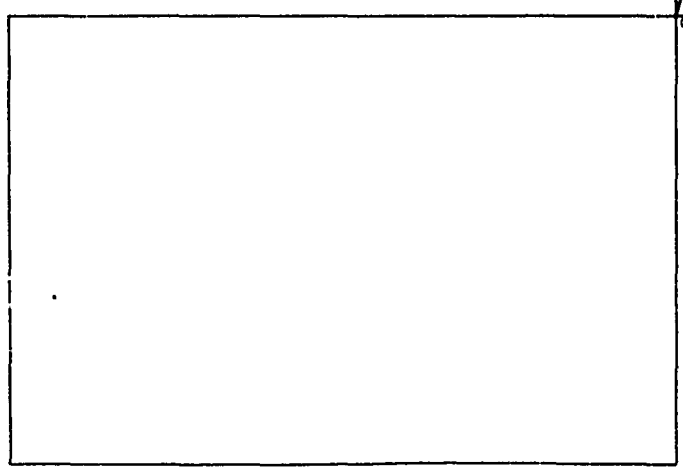
PROJECT Ga Tech B-602, Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 158	
DEPTH EL.		DATE	
LL 27	PL 15		PI 12
DESCRIPTION McCormick Ranch Sand Constant Stress Ratio, 0.4 Initial Pressure, 0 psi			

WATER CONTENT	W	9.51	%
VOID RATIO	e_0	0.33	
SATURATION	S_0	77.35	%
DRY DENSITY	γ_d	125.45	PCF
WET DENSITY	γ	137.37	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.33	CM



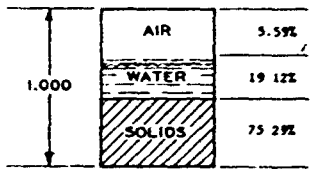


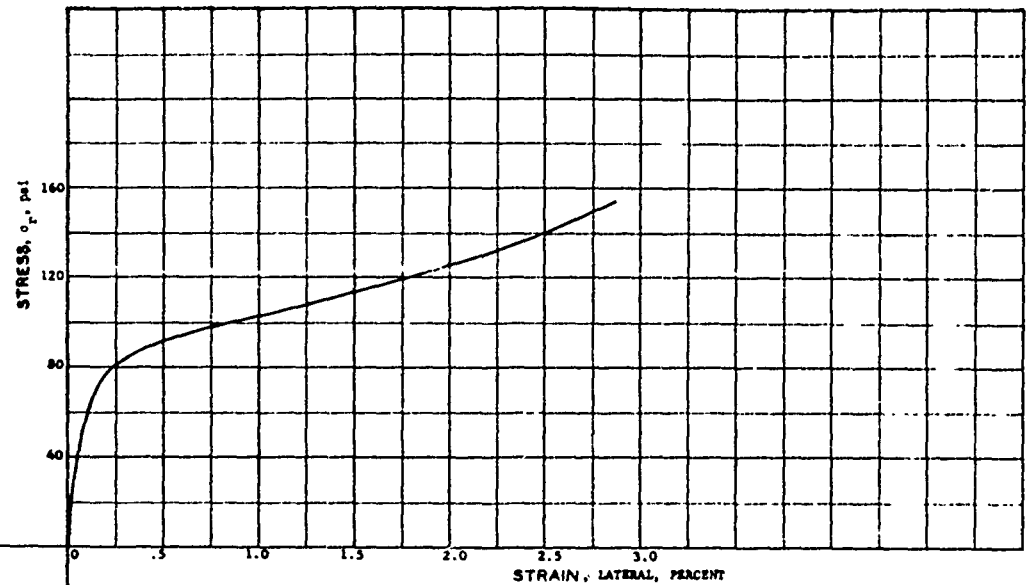
HYDROSTATIC COMPRESSION PHASE



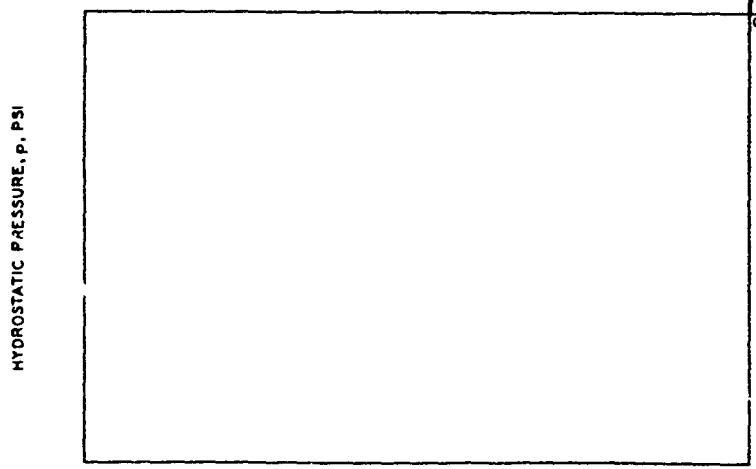
PROJECT	Ga Tech B-602;		
	Contract No. DACA39-67-C-0031		
AREA			
BORING NO.		SAMPLE NO. 161	
DEPTH			
EL		DATE	
LL 27	PL 15	PI 12	
DESCRIPTION	McCormick Ranch Sand		
	Constant Stress Ratio, 0.4		
	Initial Pressure, 0 psi		

WATER CONTENT	w	9 51	%
VOID RATIO	e_0	0.33	
SATURATION	S_0	77 35	%
DRY DENSITY	γ_d	125 45	PCF
WET DENSITY	γ	137 37	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3 50	CM
SPECIMEN HEIGHT	H_0	3 50	CM



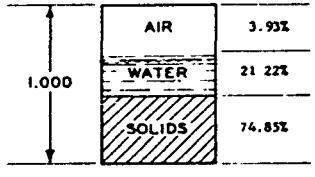


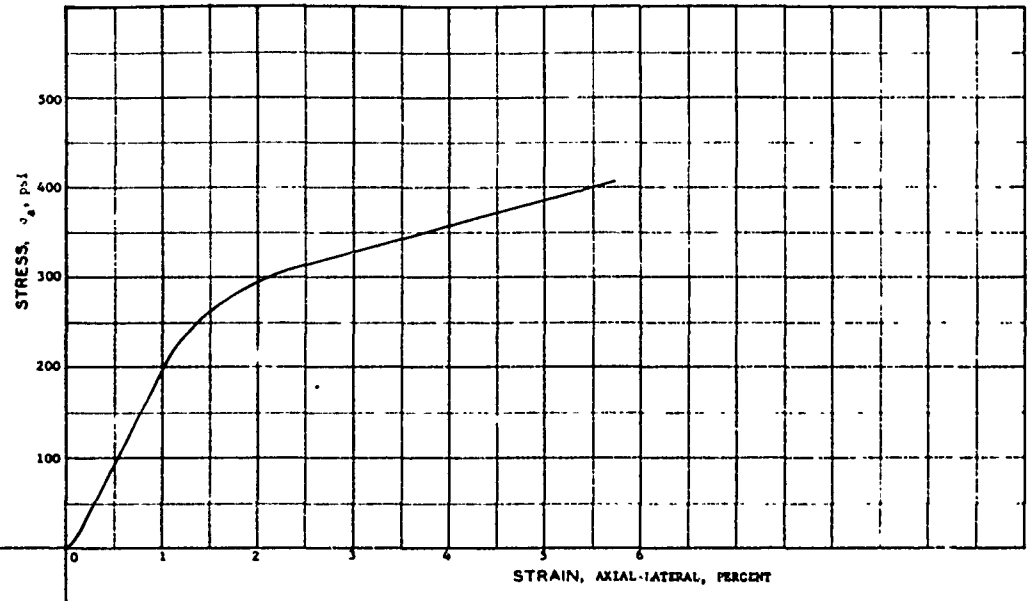
HYDROSTATIC COMPRESSION PHASE



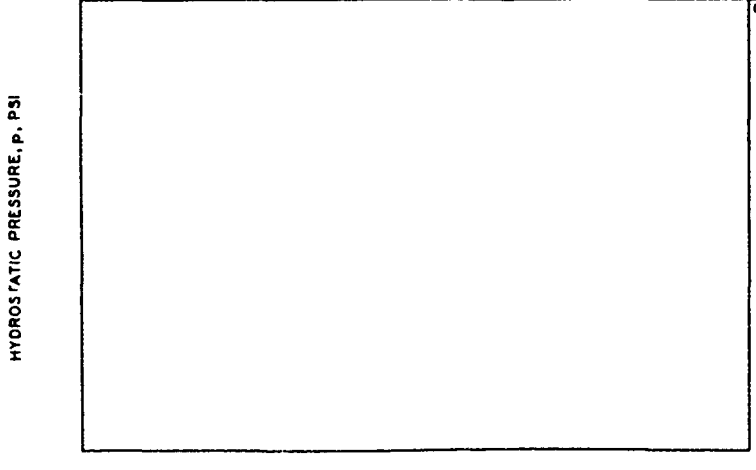
PROJECT	Ga Tech B-602,	
	Contract No DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 161
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Constant Stress Ratio, 0.4	
	Initial Pressure, 0 psi	

WATER CONTENT	w	10 62	%
VOID RATIO	e_0	0 34	
SATURATION	S_0	84.37	%
DRY DENSITY	γ_d	124 70	PCF
WET DENSITY	γ	137.94	PCF
SPECIFIC GRAVITY	G_s	2 67	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7 54	CM



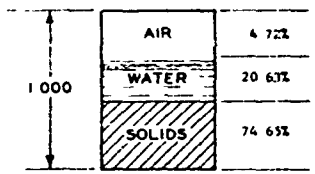


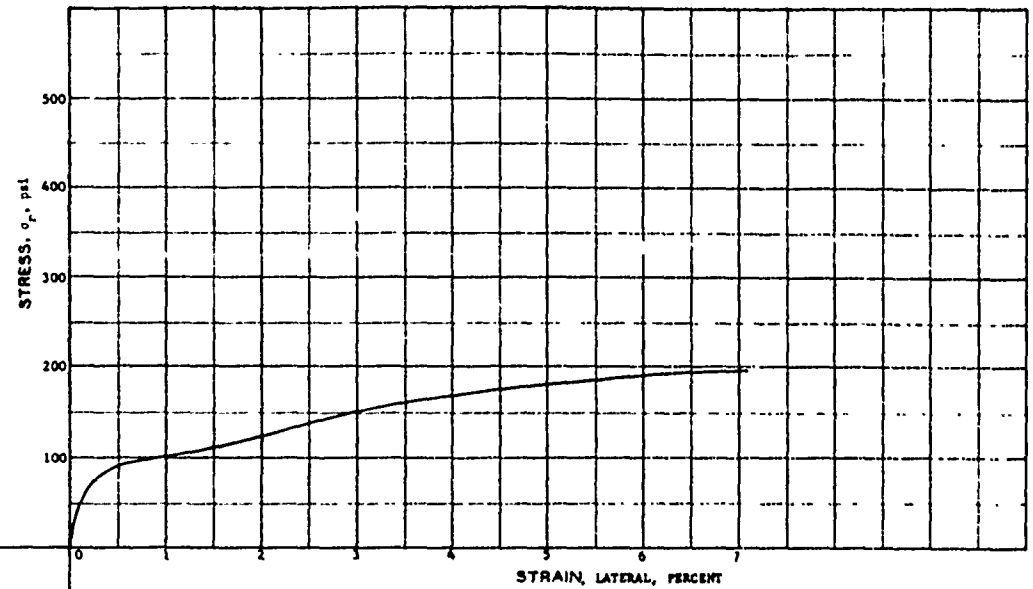
HYDROSTATIC COMPRESSION PHASE



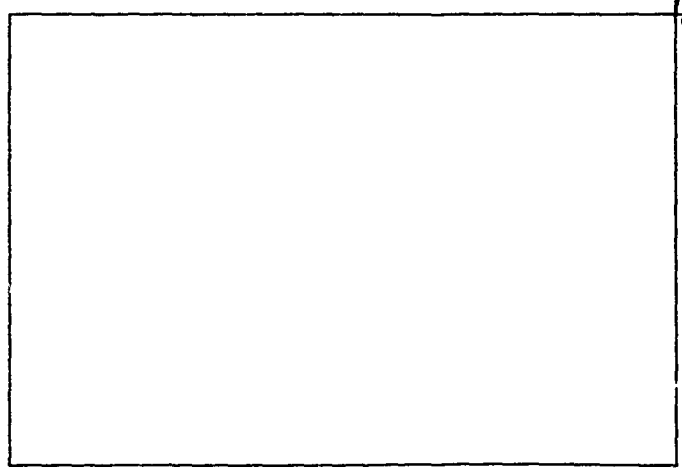
PROJECT	Ga Tech B-602;		
	Contract No. DACA39-67-C-0031		
AREA			
BORING NO		SAMPLE NO.	162
DEPTH			
EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Constant Stress Ratio, 0.4; Initial Pressure, 0 si		

WATER CONTENT	w	10 33	%
VOID RATIO	e_0	0 34	
SATURATION	S_0	81.37	%
DRY DENSITY	γ_d	124.37	PCF
WET DENSITY	γ	137.24	PCF
SPECIFIC GRAVITY	G_s	2 67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.54	CM



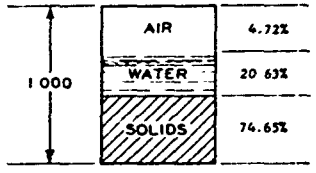


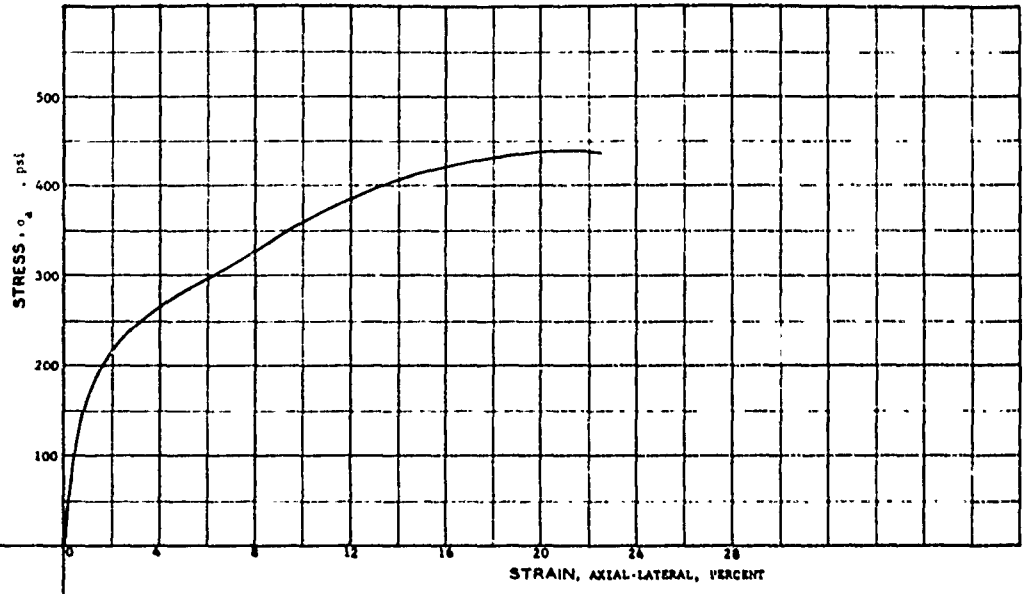
HYDROSTATIC COMPRESSION PHASE



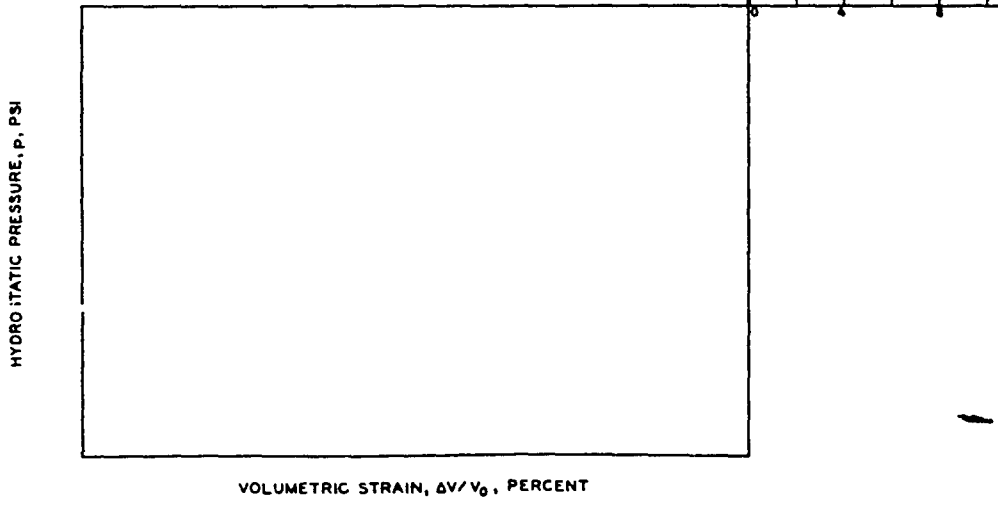
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0091		
AREA			
BORING NO.		SAMPLE NO.	164
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand Constant Stress Ratio, 0.4 Initial Pressure, 0 psi		

WATER CONTENT	w	10.35	%
VOID RATIO	e_0	0 34	
SATURATION	S_0	81 37	%
DRY DENSITY	γ_d	124 37	PCF
WET DENSITY	γ	137.24	PCF
SPECIFIC GRAVITY	G_s	2 67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.54	CM





HYDROSTATIC COMPRESSION PHASE



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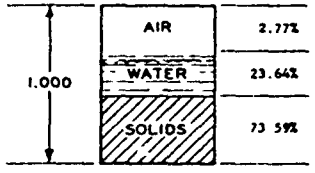
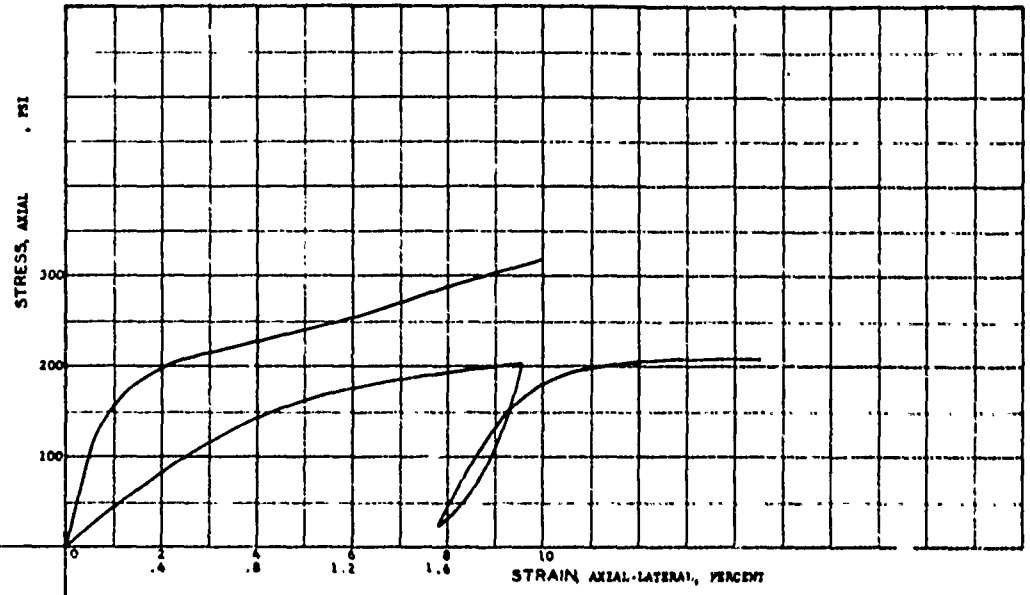
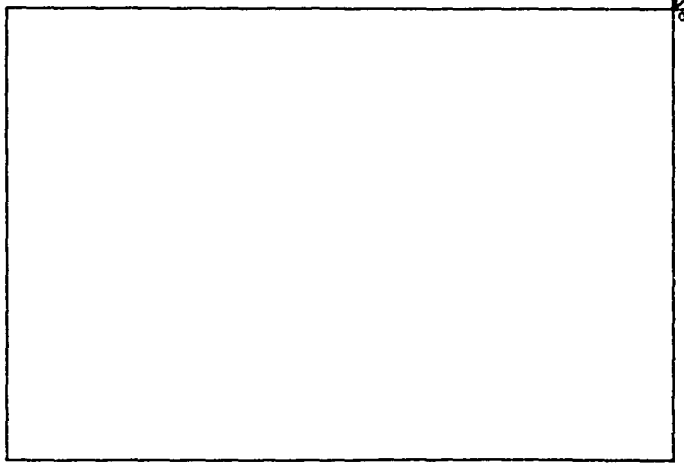
PROJECT	Ga Tech B-602,		
	Contract No. DACA39-67-C-0031		
AREA			
BORING NO.		SAMPLE NO. 144	
DEPTH EL		DATE	
LL 27	PL 15	PI 12	
DESCRIPTION	McCormick Ranch Sand		
	Constant Stress Ratio, 0.4		
	Initial Pressure, 0 psi		

WATER CONTENT	w	12 03	%
VOID RATIO	e_0	0 36	
SATURATION	S_0	89.49	%
DRY DENSITY	γ_d	122 60	PCF
WET DENSITY	γ	137.35	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.53	CM



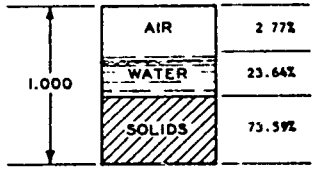


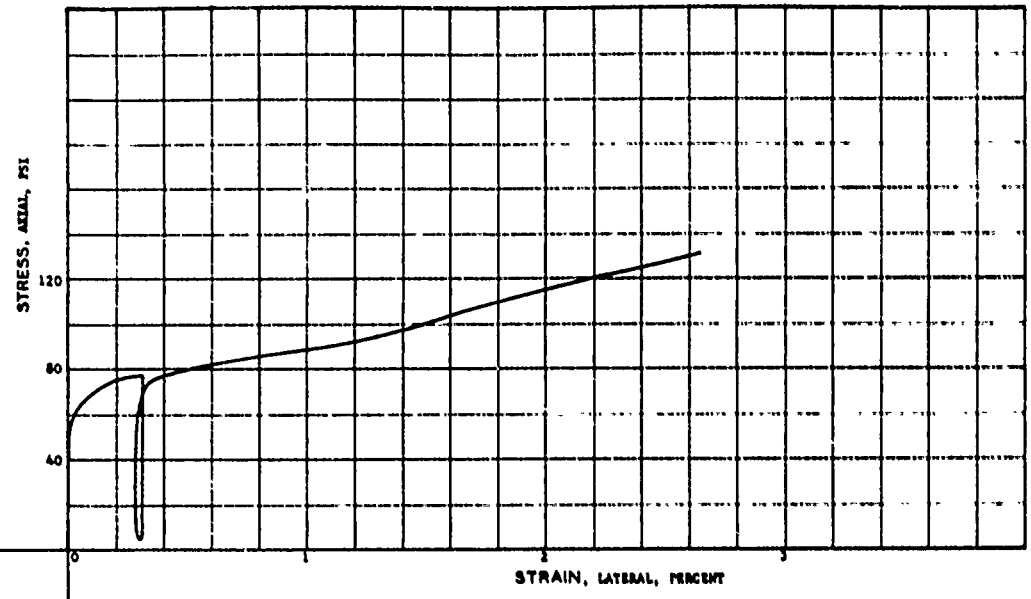
HYDROSTATIC COMPRESSION PHASE



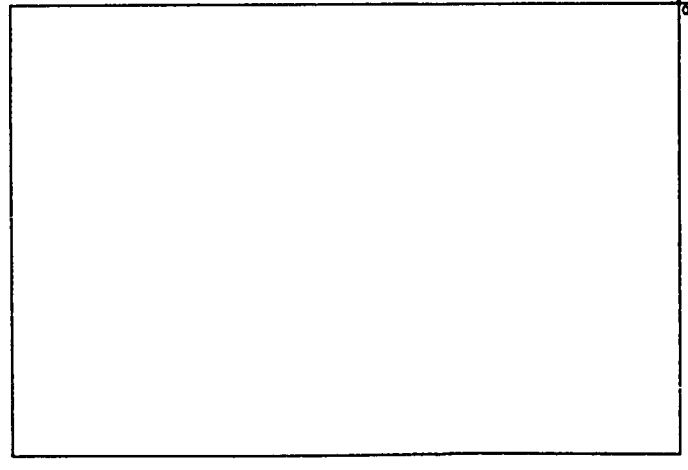
PROJECT	Ga Tech B-602,	
	Contract No. DACA39-67-C-0031	
AREA		
BORING NO.		SAMPLE NO. 167
DEPTH		
EL		DATE
LL 27	PL 19	PI 17
DESCRIPTION	McCormick Ranch Sand	
	Constant Stress Ratio, 0.4	
	Initial Pressure, 0 psi	

WATER CONTENT	w	12.03	%
VOID RATIO	e_0	0.36	
SATURATION	S_0	89.49	%
DRY DENSITY	γ_d	122.60	PCF
WET DENSITY	γ	137 35	PCF
SPECIFIC GRAVITY	G_s	2 67	
SPECIMEN DIAMETER	D_0	3 50	CM
SPECIMEN HEIGHT	H_0	7 53	CM



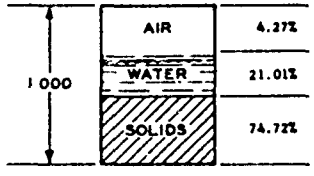


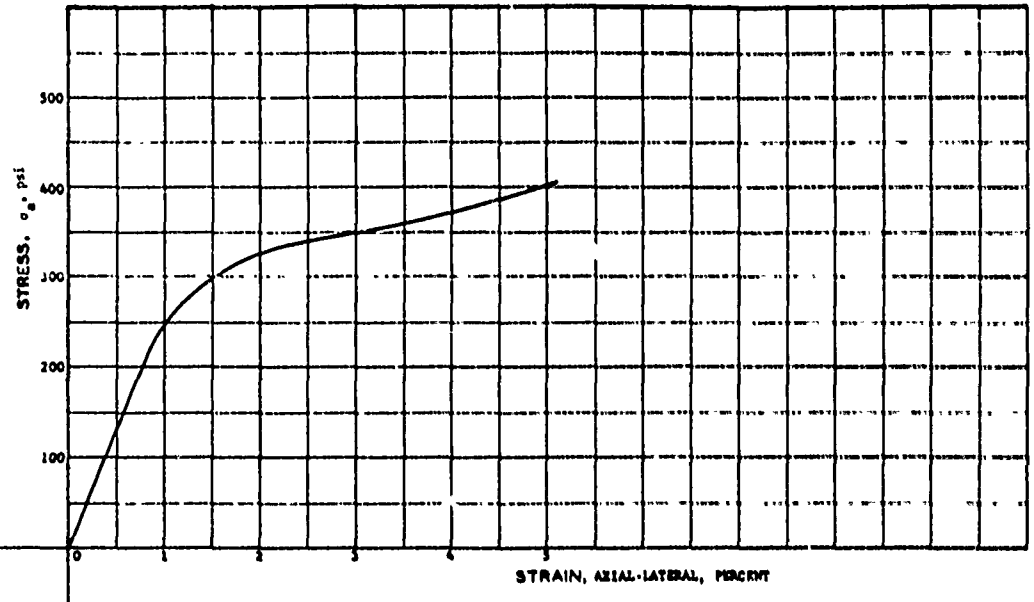
HYDROSTATIC COMPRESSION PHASE



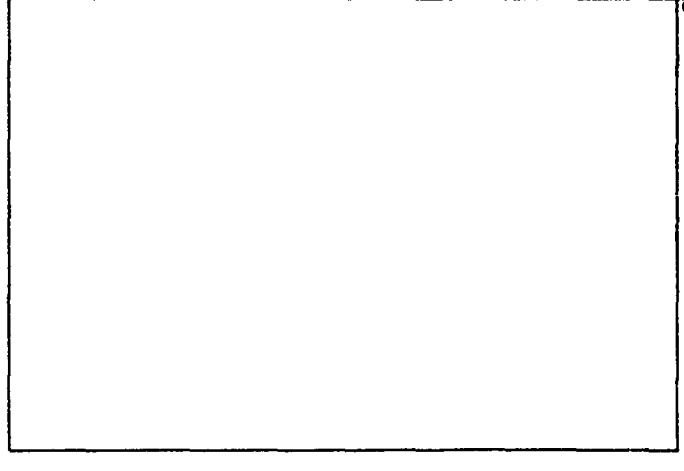
PROJECT Ga Tech B-692
Contract No. DACA39-67-C-0051
AREA
BORING NO. SAMPLE NO. 167
DEPTH
EL DATE
LL 27 PL 15 PI 12
DESCRIPTION McCormick Ranch Sand
Constant Stress Ratio, 0.6
Initial Pressure, 0 psi

WATER CONTENT	W	10.53	%
VOID RATIO	e_0	0.34	
SATURATION	S_0	83.11	%
DRY DENSITY	γ_d	124.48	PCF
WET DENSITY	γ	137.60	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.52	CM





HYDROSTATIC COMPRESSION PHASE



PROJECT Ga Tech B-602

Contract No. DACA39-67-C-0031

AREA

BORING NO. | SAMPLE NO. 140

DEPTH | DATE

EL

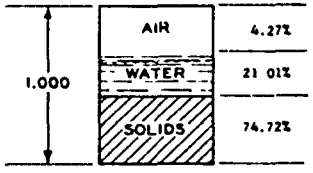
LL 27 | PL 15 | PI 12

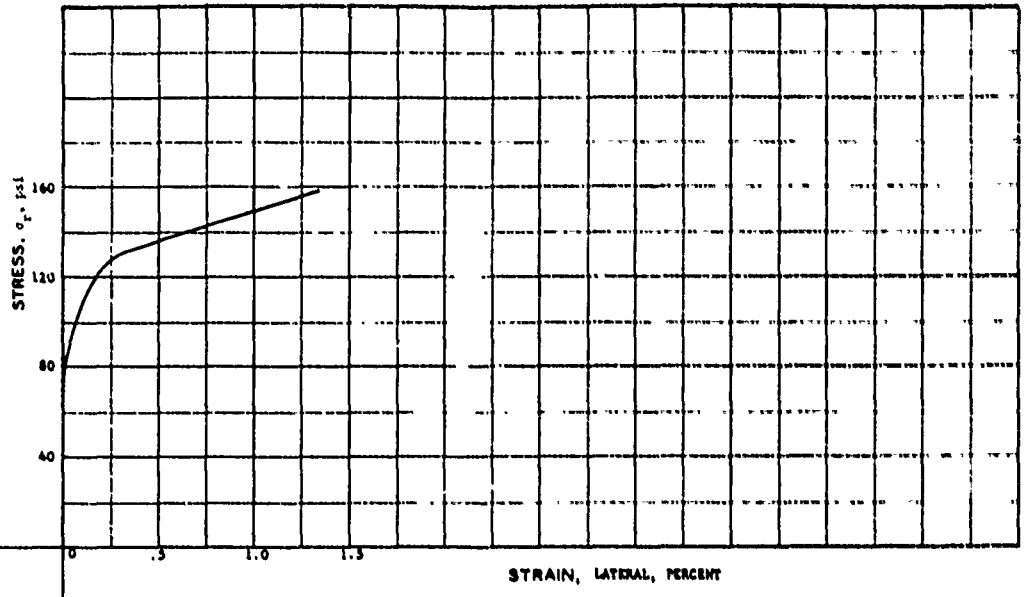
DESCRIPTION McCormick Ranch Sand

Constant Stress Ratio, 0.4

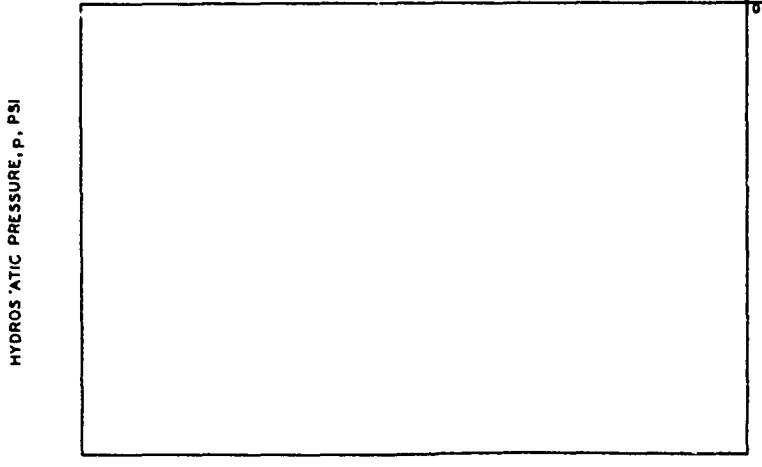
Initial Pressure, 0 psi

WATER CONTENT	w	10 53	%
VOID RATIO	e_o	0 34	
SATURATION	S_o	83.11	%
DRY DENSITY	γ_d	124.48	PCF
WET DENSITY	γ	13'.60	PCF
SPECIFIC GRAVITY	G_s	2 67	
SPECIMEN DIAMETER	D_o	3.50	CM
SPECIMEN HEIGHT	H_o	7.52	CM



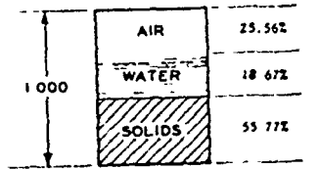


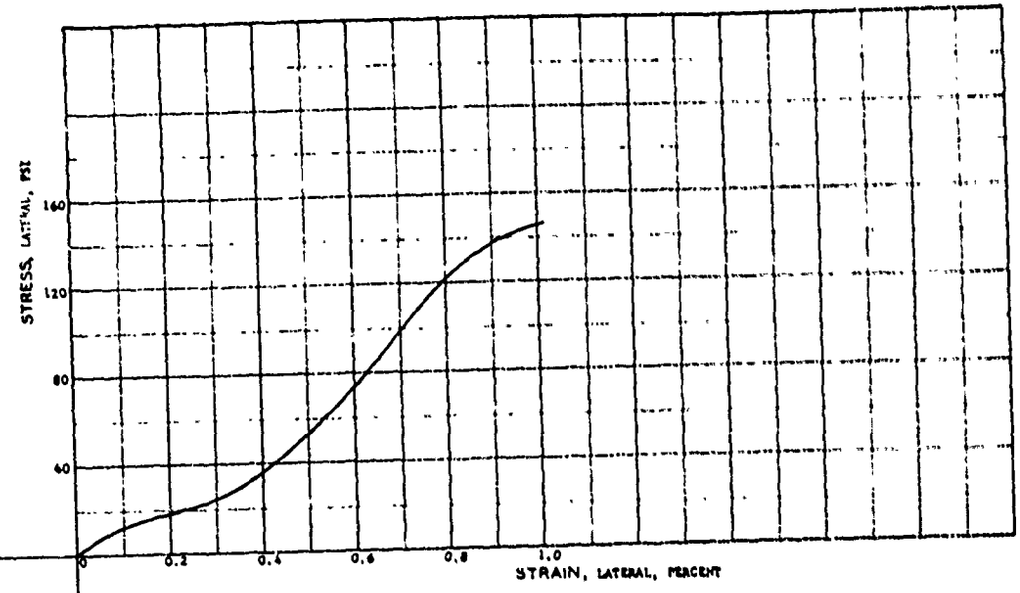
HYDROSTATIC COMPRESSION PHASE



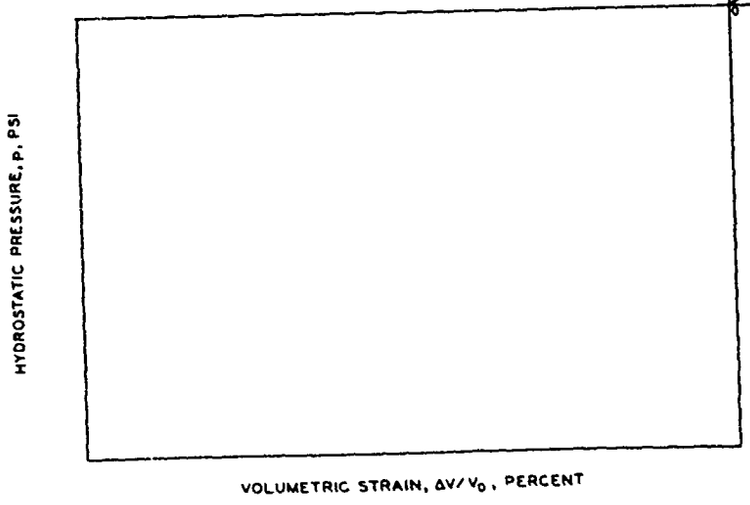
PROJECT Ga Tech B-403
Contract No. DACA39-67-C-0031
AREA
BORING NO. SAMPLE NO. 168
DEPTH
EL DATE
LL 27 PL 15 PI 12
DESCRIPTION McCormick Ranch Sand
Constant Stress Ratio, 0.4
Initial Pressure, 0 psi

WATER CONTENT	w	12.40 %
VOID RATIO	e_o	0 79
SATURATION	S_o	42 21 %
DRY DENSITY	γ_d	93.96 PCF
WET DENSITY	γ	105.61 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_o	3.49 CM
SPECIMEN HEIGHT	H_o	7.60 CM





HYDROSTATIC COMPRESSION PHASE



PROJECT Ga Tech B-607

Contract No. DACA39-67-C-0031

AREA

BORING NO. | SAMPLE NO. 203

DEPTH | DATE

EL

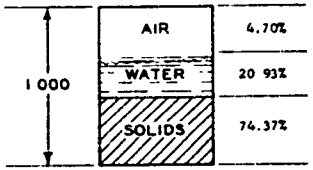
LL 36 | PL 17 | PI 19

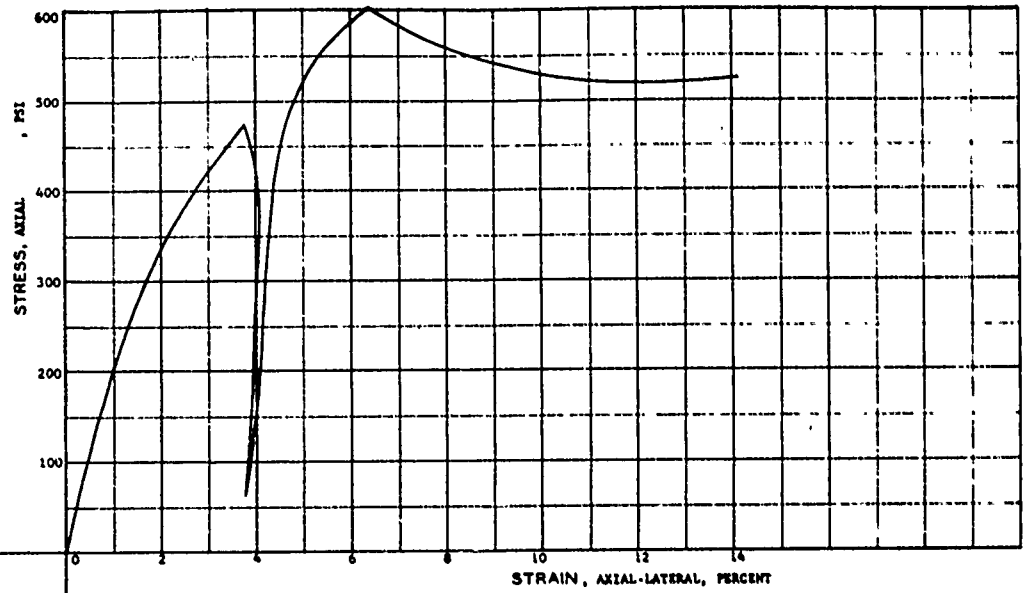
DESCRIPTION Vaiching Hill Clay

Constant Stress Ratio, 0.4

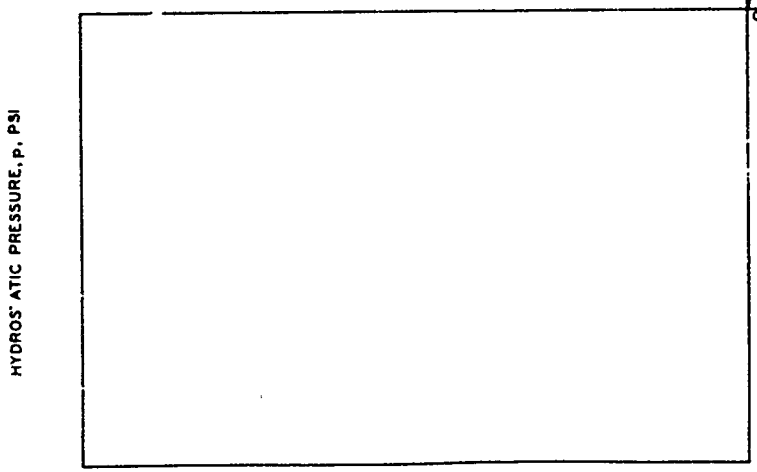
Initial Pressure, 100 psi

WATER CONTENT	w	10.54 %
VOID RATIO	e_0	0.34
SATURATION	S_0	81.65 %
DRY DENSITY	γ_d	123.89 PCF
WET DENSITY	γ	136.96 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.51 CM
SPECIMEN HEIGHT	H_0	7.53 CM





HYDROSTATIC COMPRESSION PHASE



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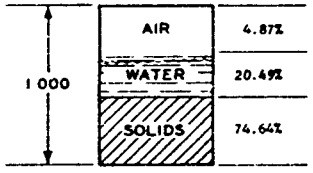
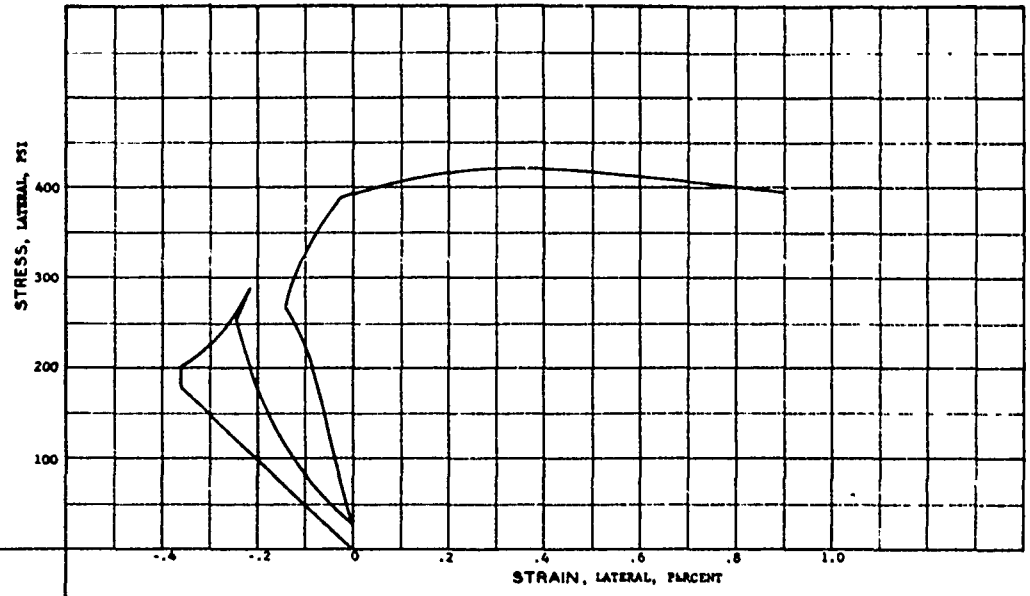
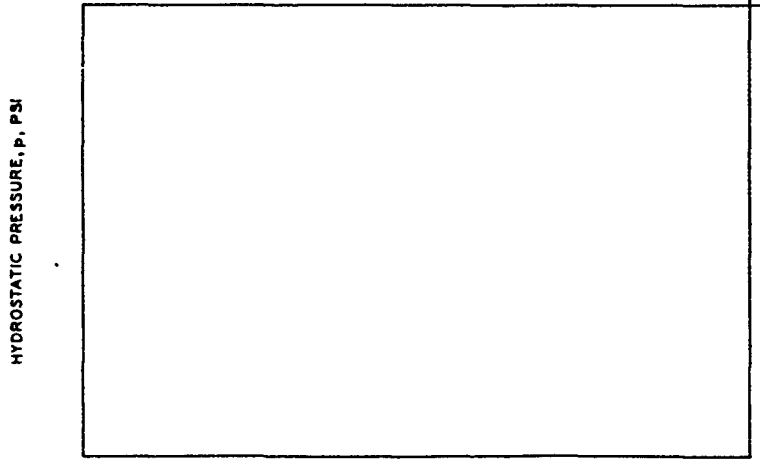
PROJECT Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 101
DEPTH EL.		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand; Constant Stress Ratio, 0.6; Initial Pressure, 0 psi; Cycle Shear @ 75%		

WATER CONTENT	w	10.28 %
VOID RATIO	e_0	0.34
SATURATION	S_0	80 79 %
DRY DENSITY	γ_d	124.36 PCF
WET DENSITY	γ	137.14 PCF
SPECIFIC GRAVITY	G_s	2 67
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7 53 CM





HYDROSTATIC COMPRESSION PHASE



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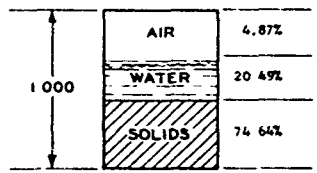
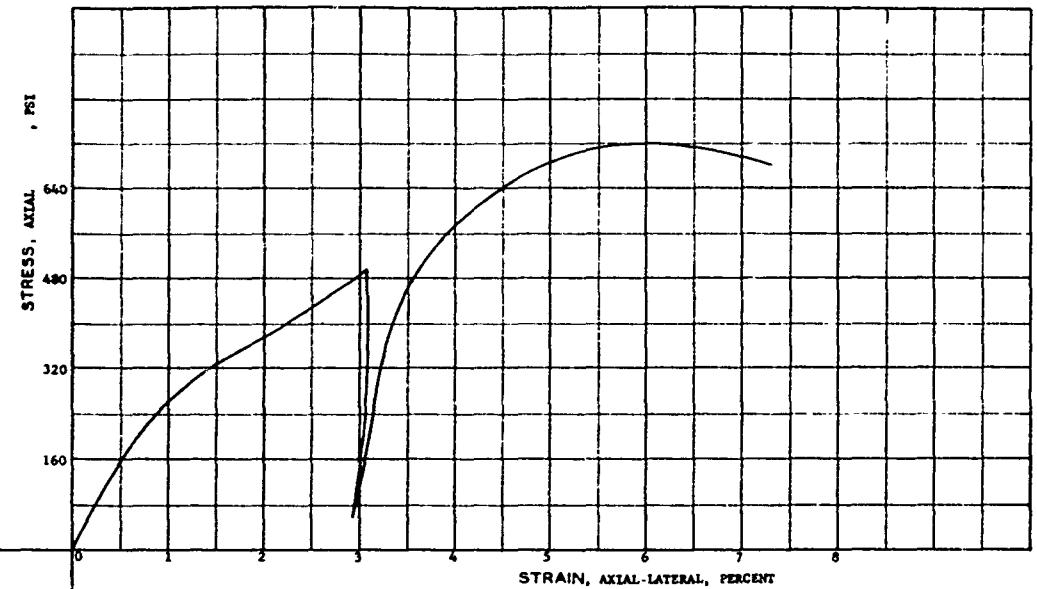
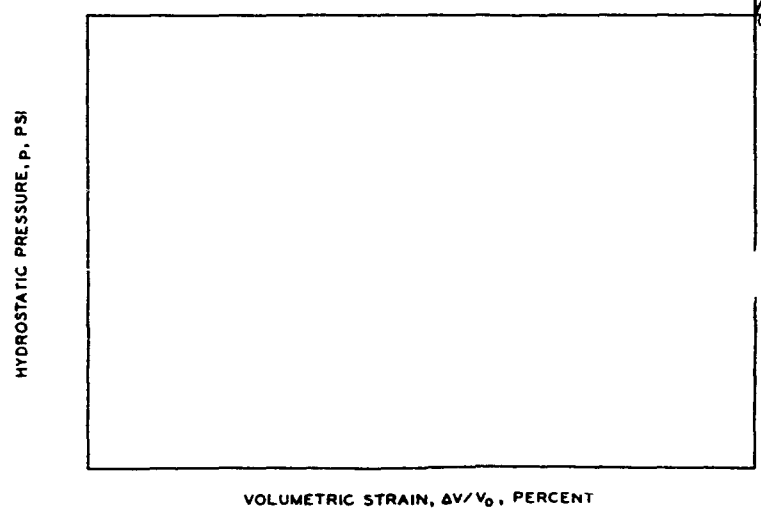
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	182
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Constant Stress Ratio, 0.6; Initial Pressure, 0 psi		
	Cycle Shear @ 75%		

WATER CONTENT	W	10.28	%
VOID RATIO	e_0	0.34	
SATURATION	S_0	80 79	%
DRY DENSITY	γ_d	124.36	PCF
WET DENSITY	γ	137.14	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.53	CM



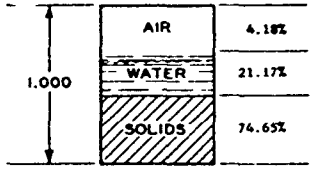


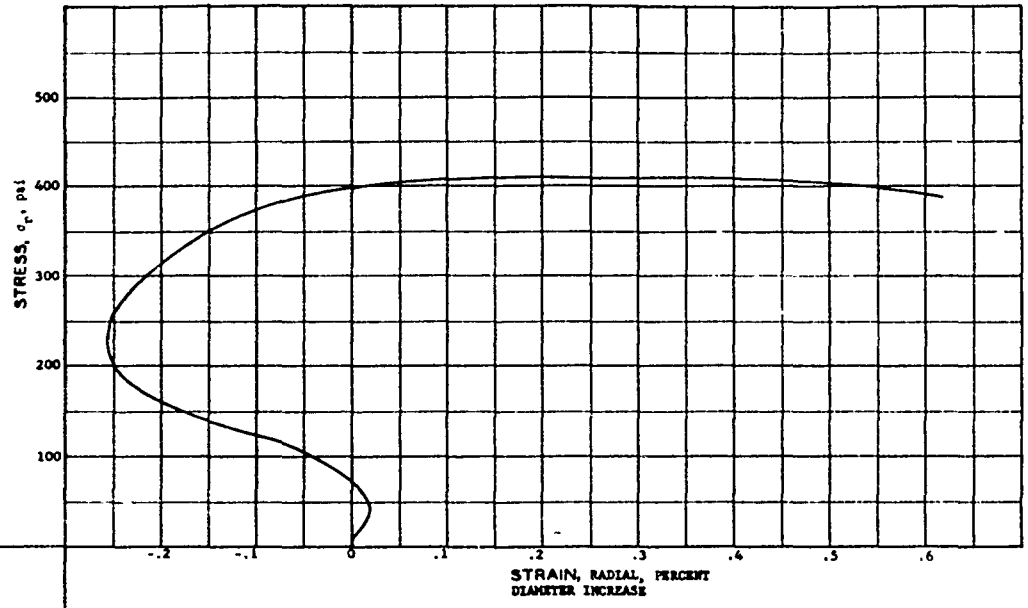
HYDROSTATIC COMPRESSION PHASE



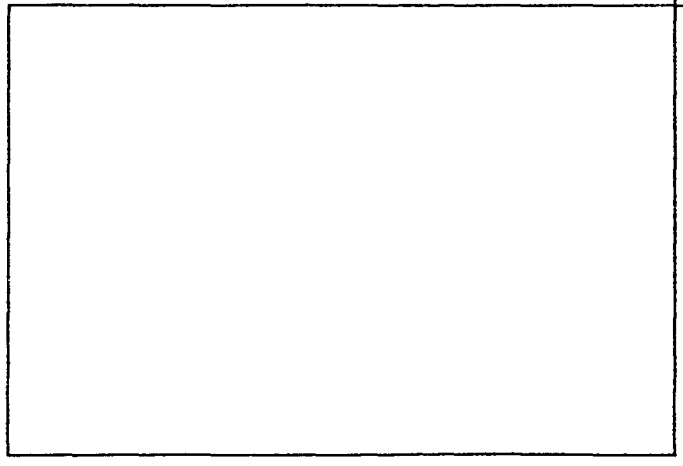
PROJECT	Ga Tech B-602,	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 182
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Constant Stress Ratio, 0.6; Initial Pressure, 0 psi	
	Cycle Shear @ 75%	

WATER CONTENT	W	10 62 %
VOID RATIO	e_o	0.34
SATURATION	S_o	83.49 %
DRY DENSITY	γ_d	124.37 PCF
WET DENSITY	γ	137.58 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_o	3.49 CM
SPECIMEN HEIGHT	H_o	7.59 CM





HYDROSTATIC COMPRESSION PHASE



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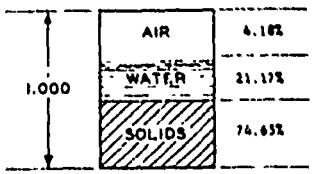
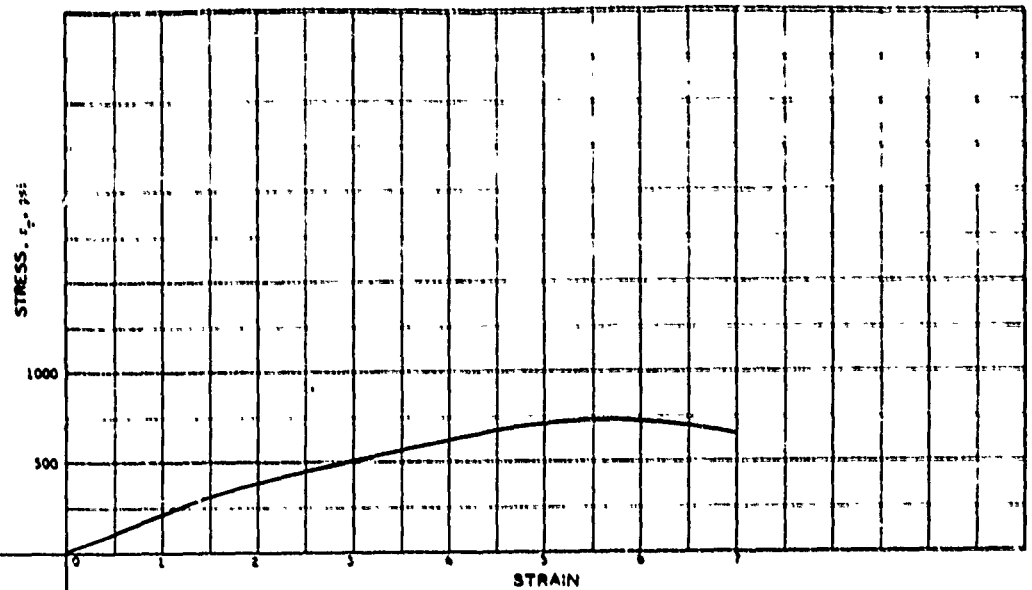
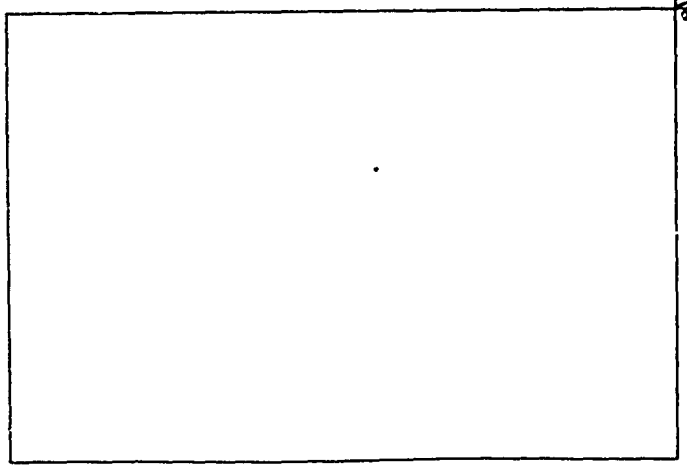
PROJECT	Ga Tech B-602;		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	186
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Constant Stress Ratio, 0.6		
	Initial Pressure, 0 psi		

WATER CONTENT	w	10.82 %
VOID RATIO	e_0	0.34
SATURATION	S_0	83.69 %
DRY DENSITY	γ_d	124.37 PCF
WET DENSITY	γ	137.78 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.59 CM



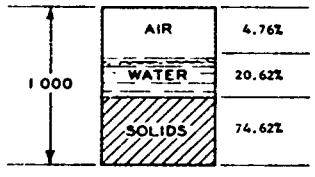


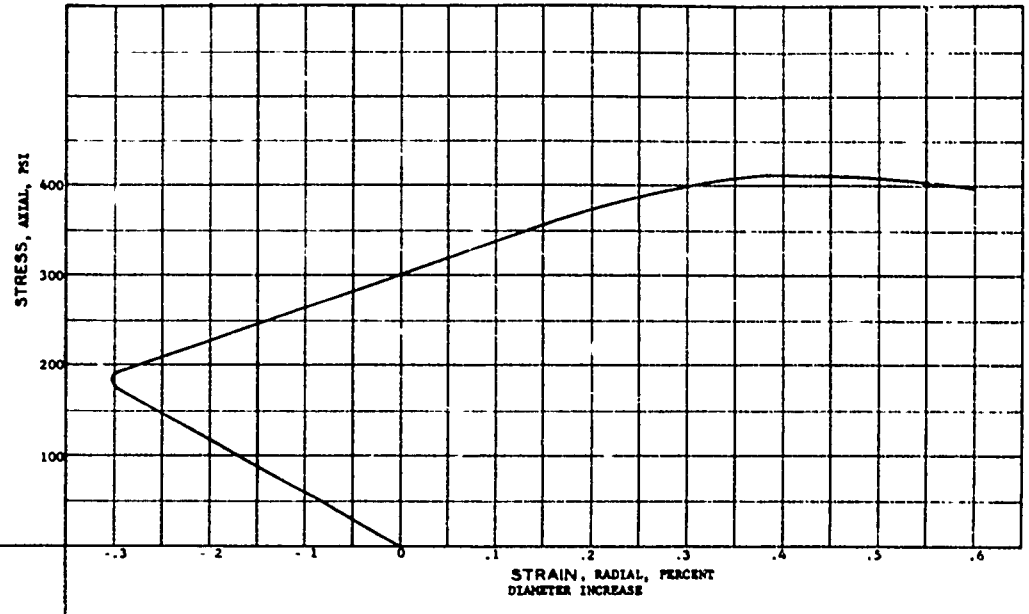
HYDROSTATIC COMPRESSION PHASE



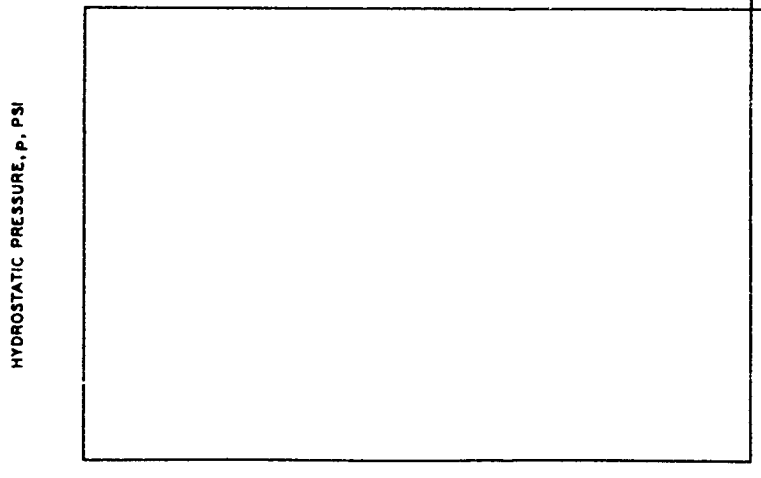
PROJECT	Ga Tech B-602;	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 186
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Constant Stress Ratio, 0.6	
	Initial Pressure, 0 psi	

WATER CONTENT	w	10.34	%
VOID RATIO	e_0	0.34	
SATURATION	S_0	81 23	%
DRY DENSITY	γ_d	124.33	PCF
WET DENSITY	γ	137.19	PCF
SPECIFIC GRAVITY	G_s	2 67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.54	CM



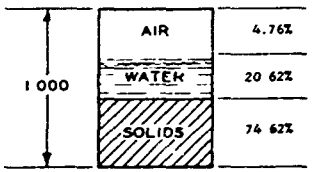


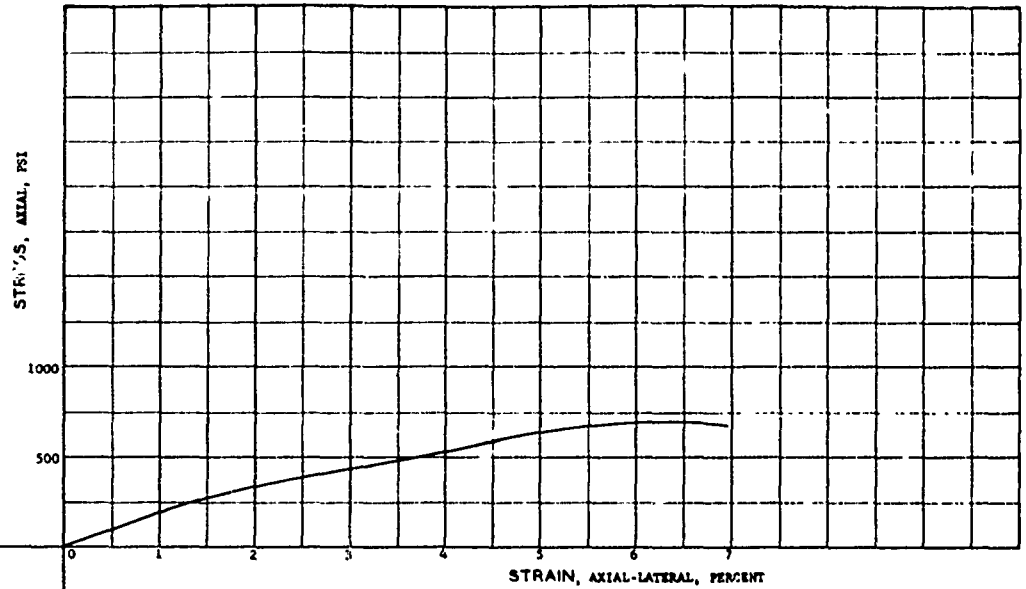
HYDROSTATIC COMPRESSION PHASE



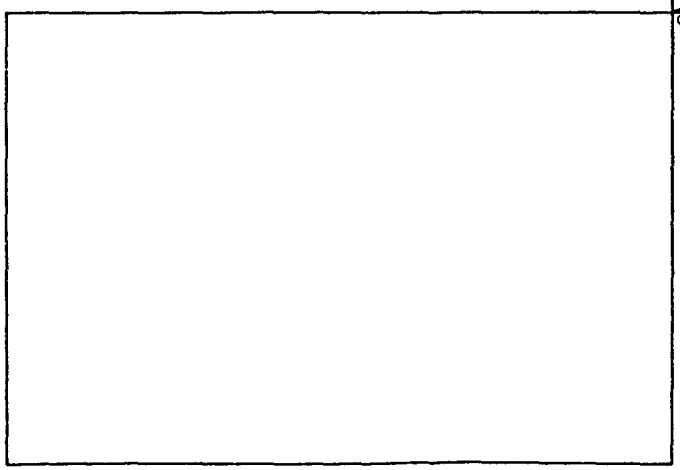
PROJECT Ga Tech B-602;		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 187
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		
Constant Stress Ratio, 0.6		
Initial Pressure, 0 psi		

WATER CONTENT	w	10.34 %
VOID RATIO	e_0	0.34
SATURATION	S_0	81 23 %
DRY DENSITY	γ_d	124.33 PCF
WET DENSITY	γ	137.19 PCF
SPECIFIC GRAVITY	G_s	2 67
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.54 CM



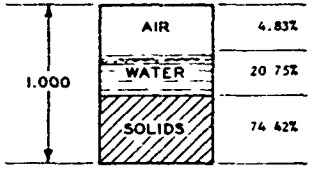


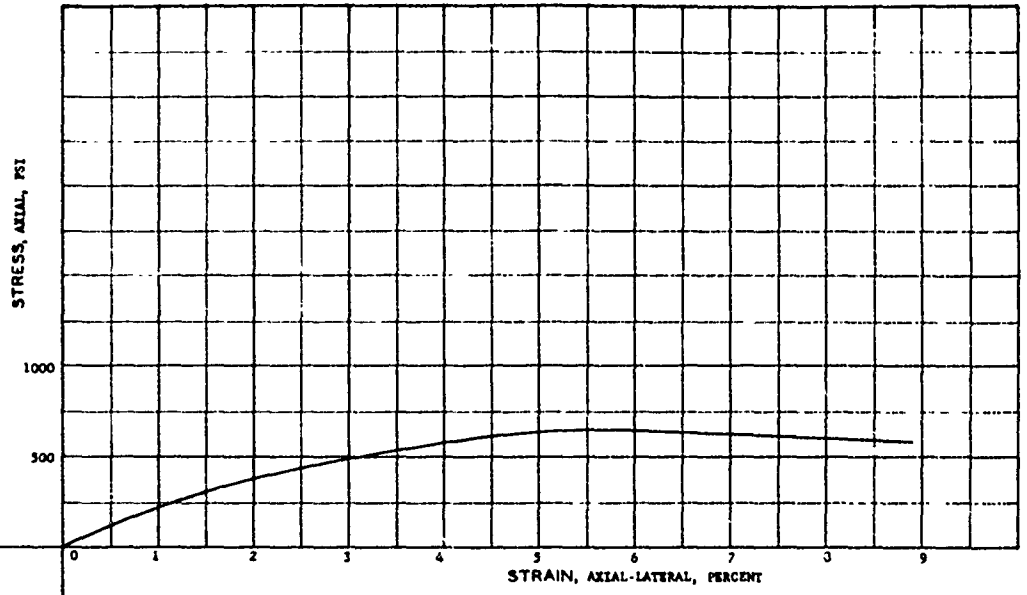
HYDROSTATIC COMPRESSION PHASE



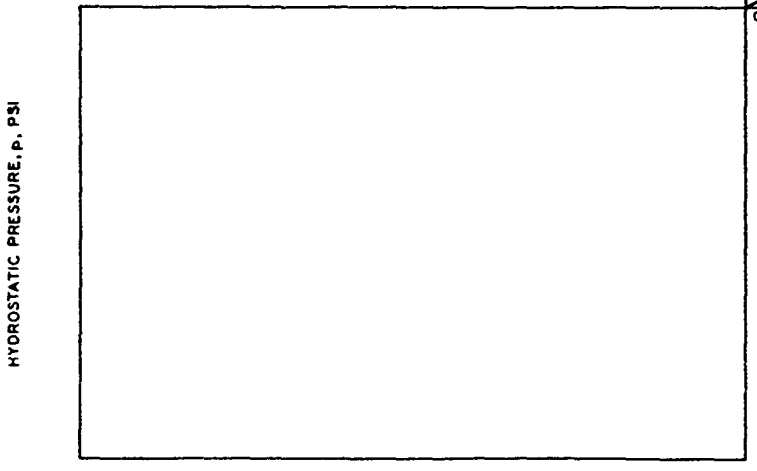
PROJECT Ga Tech B-60:.		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 187
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand		
Constant Stress Ratio, 0.6		
Initial Pressure, 0 psi		

WATER CONTENT	w	10 44 %
VOID RATIO	e_o	0 34
SATURATION	S_o	81.11 %
DRY DENSITY	γ_d	123.99 PCF
WET DENSITY	γ	136.94 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_o	3.50 CM
SPECIMEN HEIGHT	H_o	7.54 CM



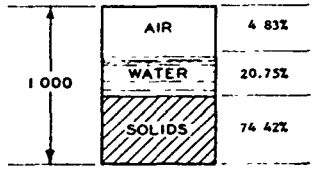


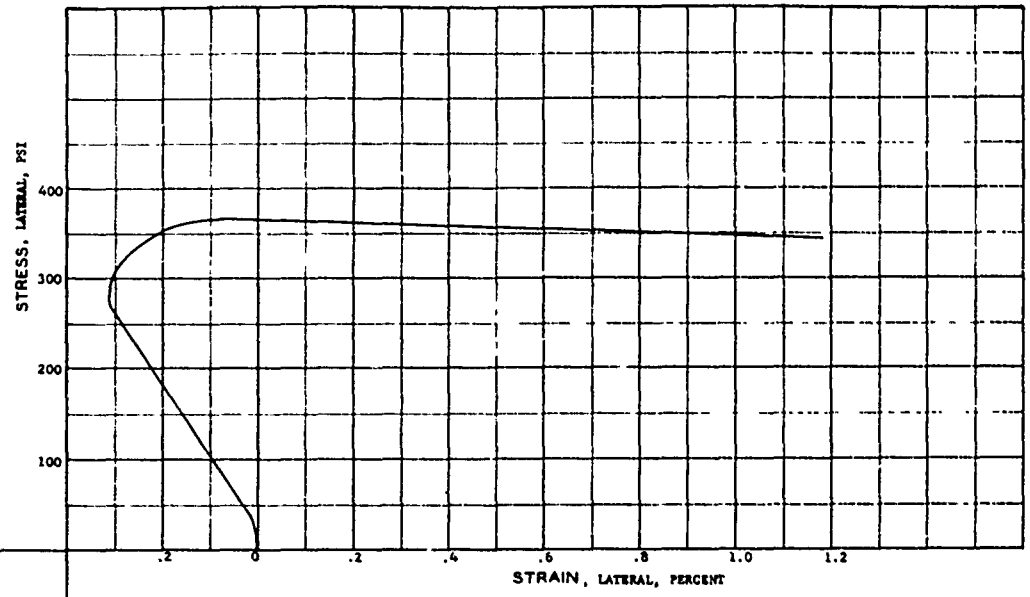
HYDROSTATIC COMPRESSION PHASE



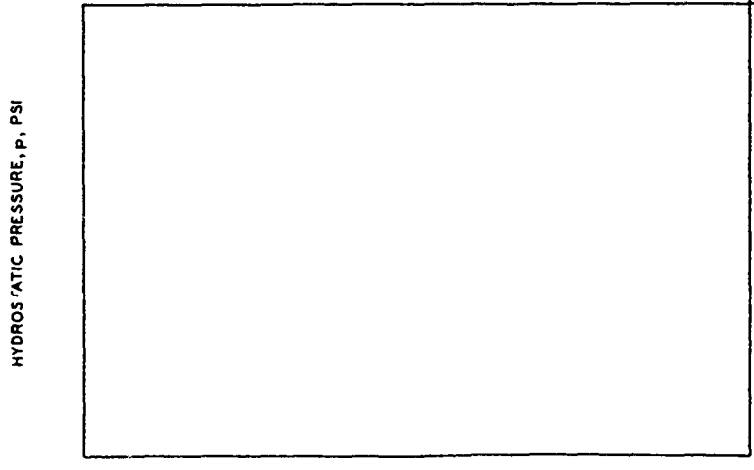
PROJECT Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 168
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand; Constant Stress Ratio, 0.6; Initial Pressure, 0 psi		

WATER CONTENT	W	10.44 %
VOID RATIO	e_0	0 34
SATURATION	S_0	81.11 %
DRY DENSITY	γ_d	123 99 PCF
WET DENSITY	γ	136 94 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3 50 CM
SPECIMEN HEIGHT	H_0	7.54 CM



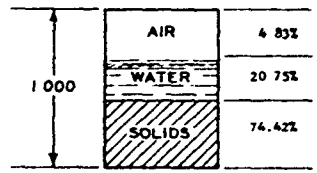


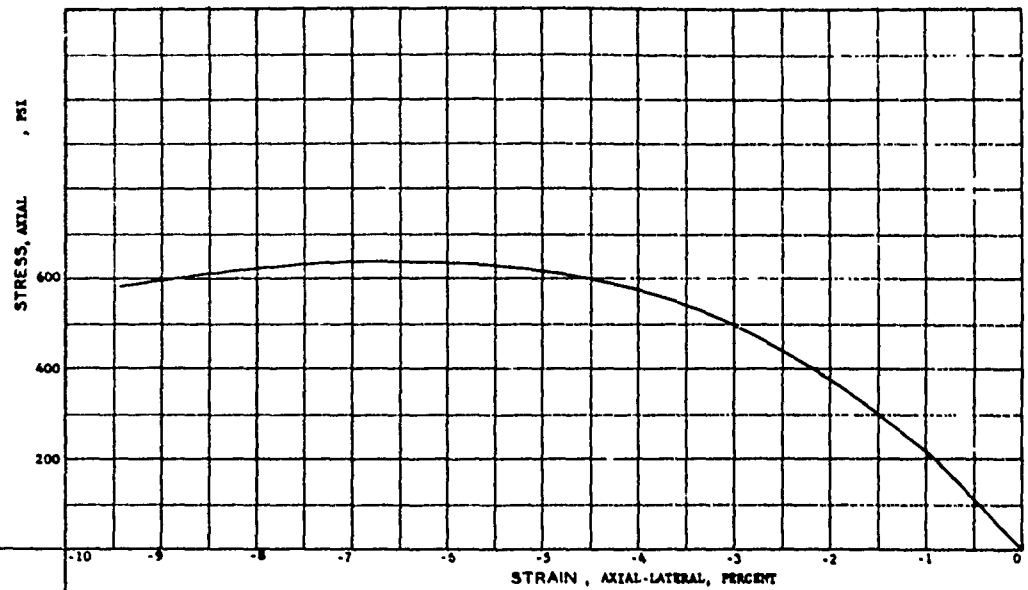
HYDROSTATIC COMPRESSION PHASE



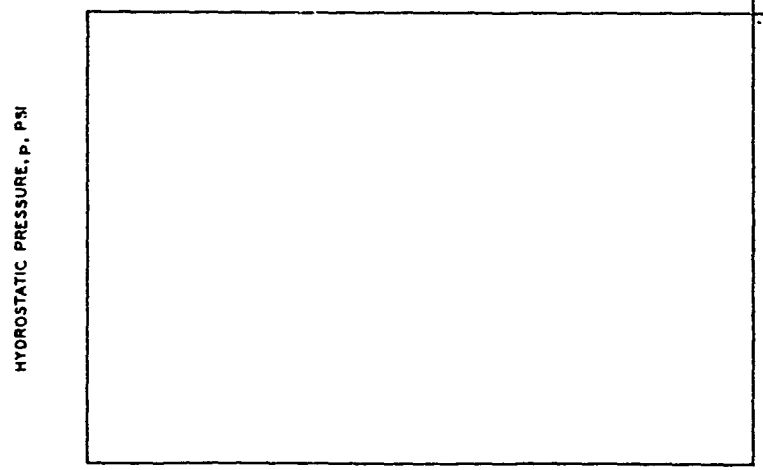
PROJECT	Ga Tech B-602;	
	Contract No. DACA39-67-C-0031	
AREA		
BORING NO.		SAMPLE NO. 188
DEPTH EL.		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Constant Stress Ratio, 0.6	
	Initial Pressure, 0 psi	

WATER CONTENT	w	10.44 %
VOID RATIO	e_0	0.34
SATURATION	S_0	81.11 %
DRY DENSITY	γ_d	123.99 PCF
WET DENSITY	γ	136.94 PCF
SPECIFIC GRAVITY	G_s	2 67
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7 54 CM



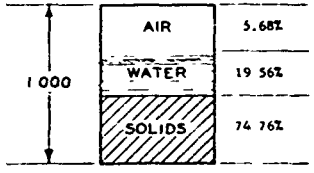


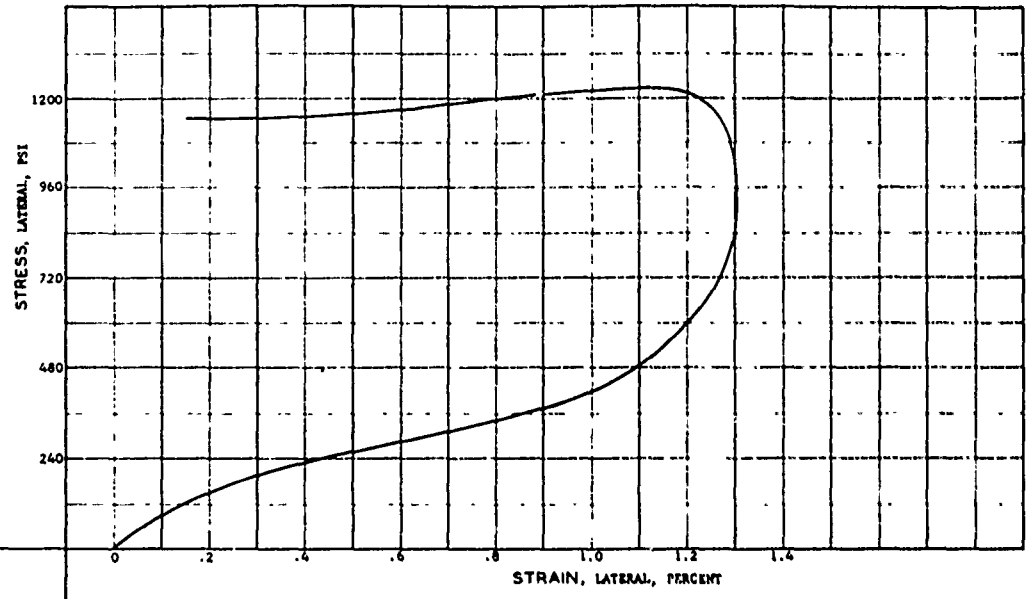
HYDROSTATIC COMPRESSION PHASE



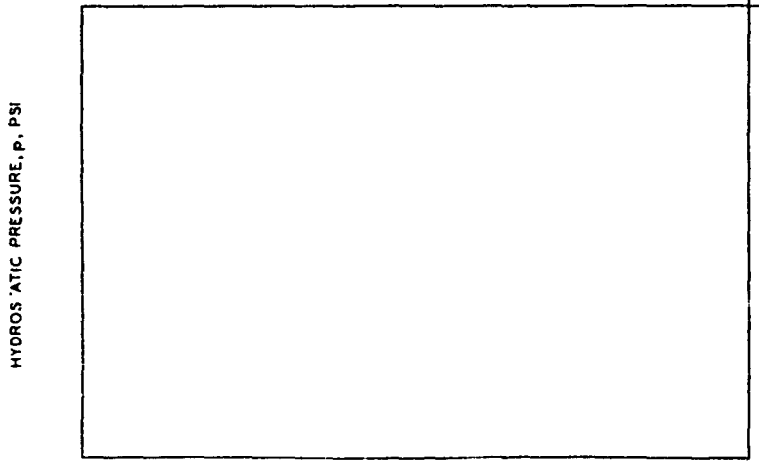
PROJECT Ga Tech B-602; Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 188	
DEPTH EL		DATE	
LL 27	PL 15		PI 12
DESCRIPTION McCormick Ranch Sand; Constant Stress Ratio, 0.6; Initial Pressure, 0 psi			

WATER CONTENT	w	9.80	%
VOID RATIO	e_0	0 34	
SATURATION	S_0	77 4%	%
DRY DENSITY	γ_d	124.55	PCF
WET DENSITY	γ	136.75	PCF
SPECIFIC GRAVITY	G_s	2 67	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7 26	CM





HYDROSTATIC COMPRESSION PHASE



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PROJECT Georgia Institute of Technology B-402

Contract No. DACA39-67-C-0051

AREA

BORING NO. SAMPLE NO. 163

DEPTH

EL DATE

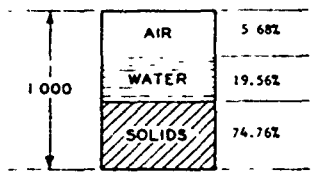
LL	PL	PI
27	15	12

DESCRIPTION McCormick Ranch Sand

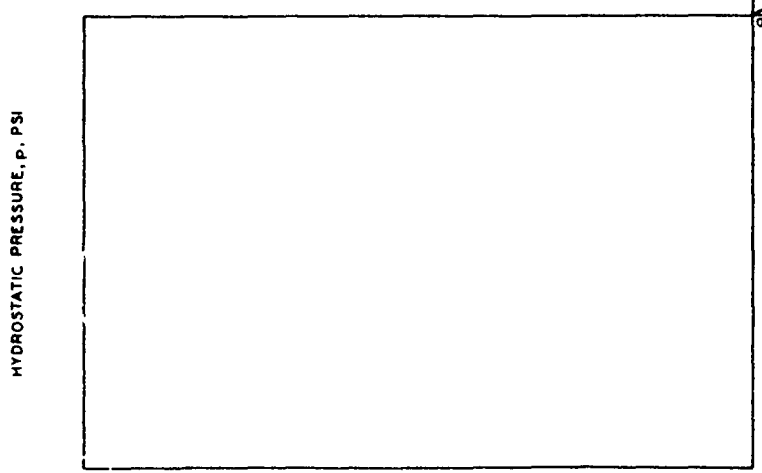
Constant Stress Ratio, 0.8

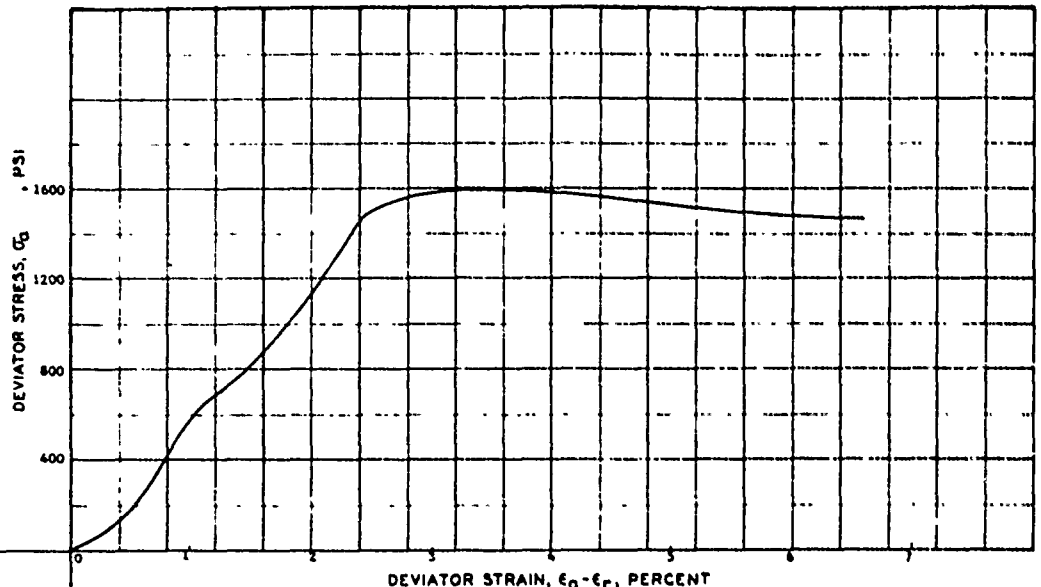
Initial Pressure, 0 psi

WATER CONTENT	w	9.80	%
VOID RATIO	e_0	0.34	
SATURATION	S_0	77.48	%
DRY DENSITY	γ_d	124.55	PCF
WET DENSITY	γ	136.75	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_c	3.50	CM
SPECIMEN HEIGHT	H_0	7.26	CM



HYDROSTATIC COMPRESSION PHASE





TRIAXIAL SHEAR PHASE

PROJECT Georgia Institute of Technology B-602

Contract No. DACA39-67-C-0031

AREA

BORING NO. | SAMPLE NO. 163

DEPTH

EL. | DATE

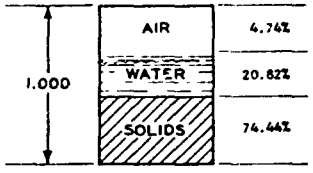
LL 27 | PL 15 | PI 12

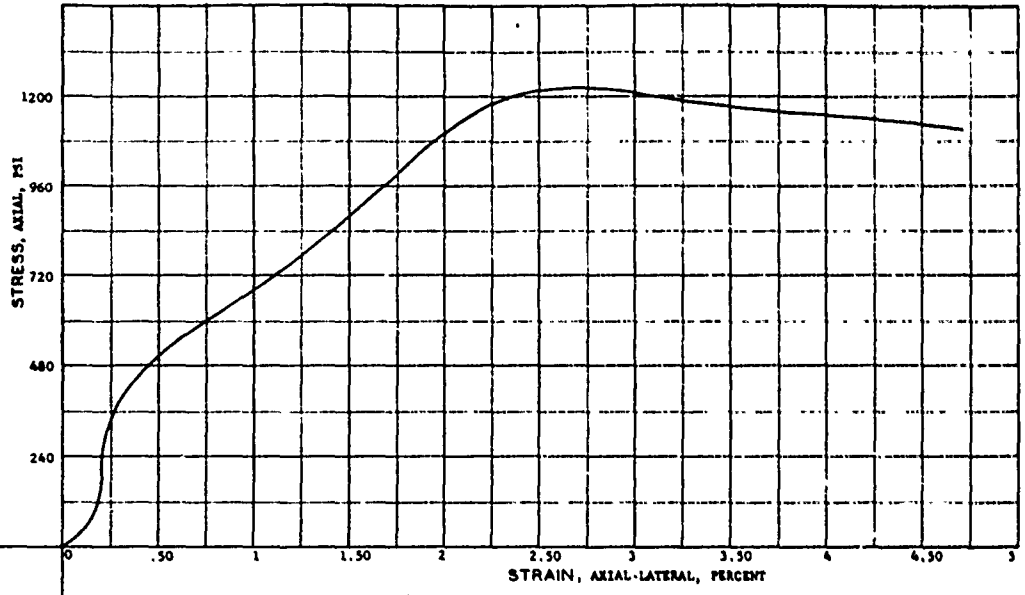
DESCRIPTION McCormick Ranch Sand

Constant Stress Ratio, 0.8

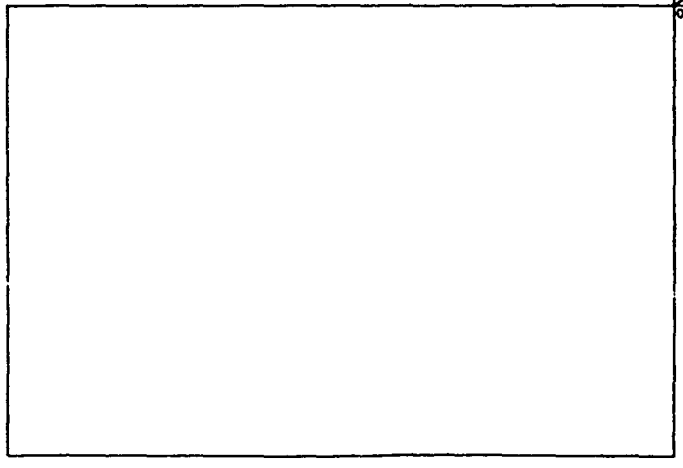
Initial Pressure, 0 psi

WATER CONTENT	W	10.47 %
VOID RATIO	e_0	0.34
SATURATION	S_0	81 46 %
DRY DENSITY	γ_d	124 03 PCF
WET DENSITY	γ	137 02 PCF
SPECIFIC GRAVITY	G_s	2 67
SPECIMEN DIAMETER	D_0	3.51 CM
SPECIMEN HEIGHT	H_0	7.53 CM



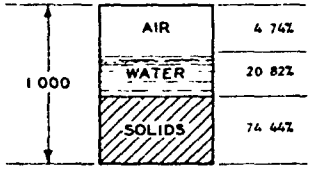


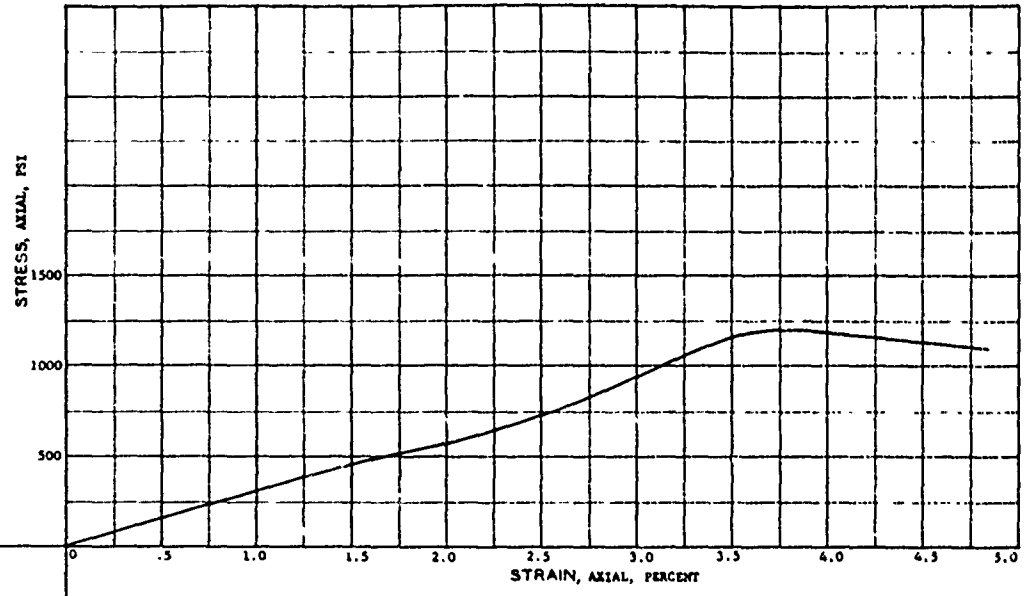
HYDROSTATIC COMPRESSION PHASE



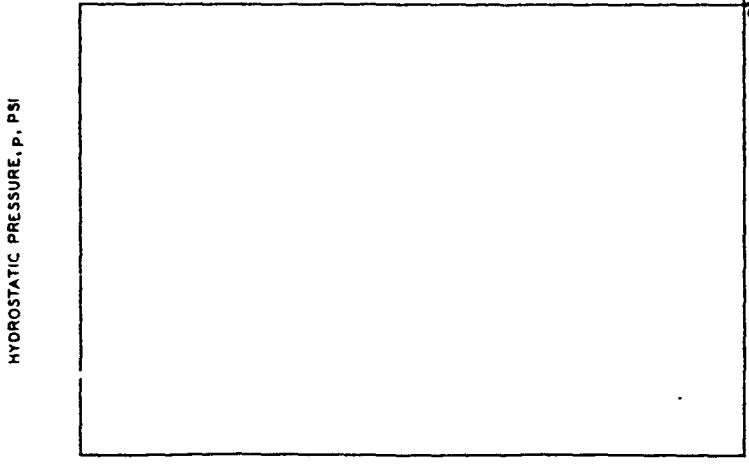
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 165
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand Constant Ratio, 0.8 Initial Pressure, 0 psi	

WATER CONTENT	w	10 47 %
VOID RATIO	e_0	0 34
SATURATION	S_0	81.46 %
DRY DENSITY	γ_d	124 03 PCF
WET DENSITY	γ	137.02 PCF
SPECIFIC GRAVITY	G_s	2.67
SPECIMEN DIAMETER	D_0	3.51 CM
SPECIMEN HEIGHT	H_0	7.53 CM



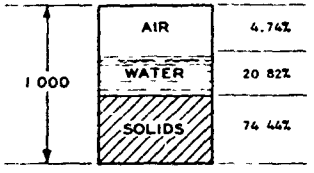


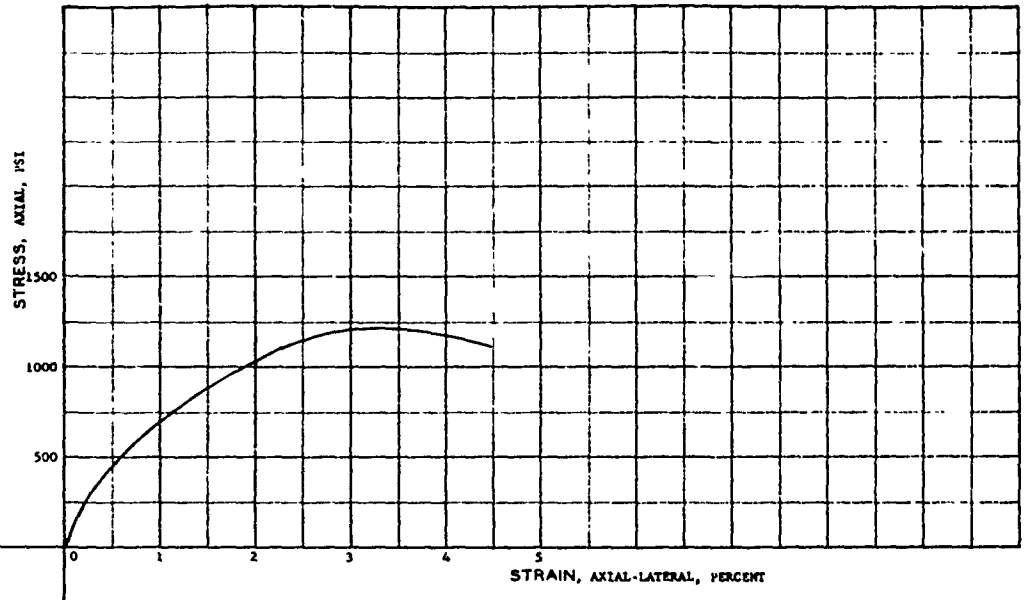
HYDROSTATIC COMPRESSION PHASE



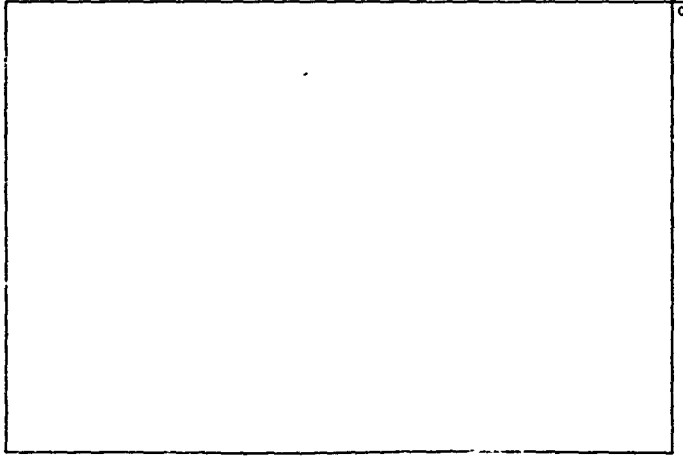
PROJECT	Ga Tech B-602,	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 165
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Constant Ratio, 0.8	
	Initial Pressure, 0 psi	

WATER CONTENT	W	10.47 %
VOID RATIO	e_o	0 34
SATURATION	S_o	81 46 %
DRY DENSITY	γ_d	124.03 PCF
WET DENSITY	γ	137 02 PCF
SPECIFIC GRAVITY	G_s	2 67
SPECIMEN DIAMETER	D_o	3.51 CM
SPECIMEN HEIGHT	H_o	7 53 CM



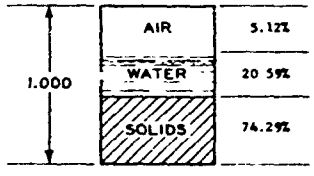


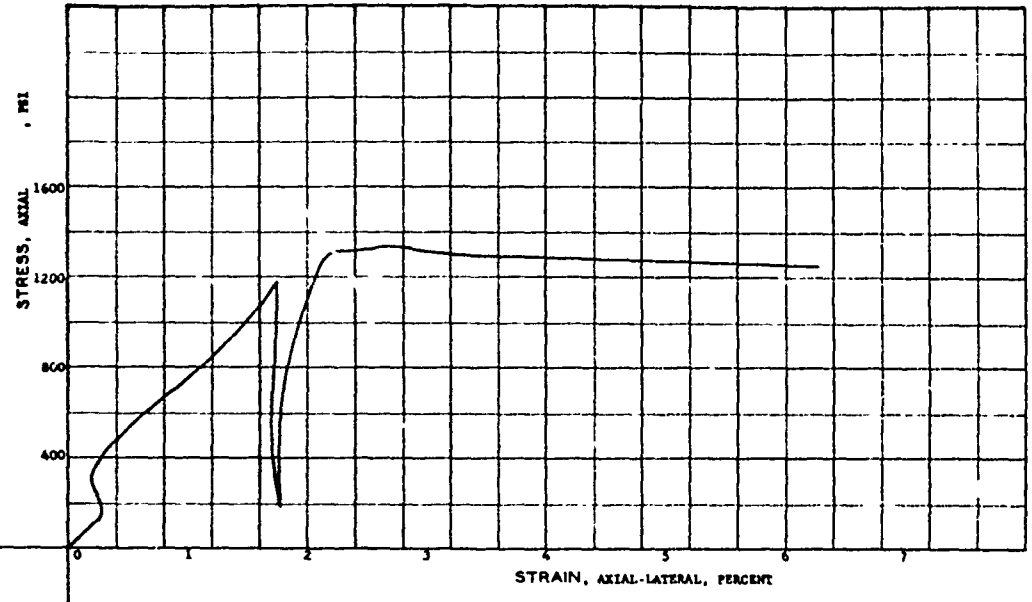
HYDROSTATIC COMPRESSION PHASE



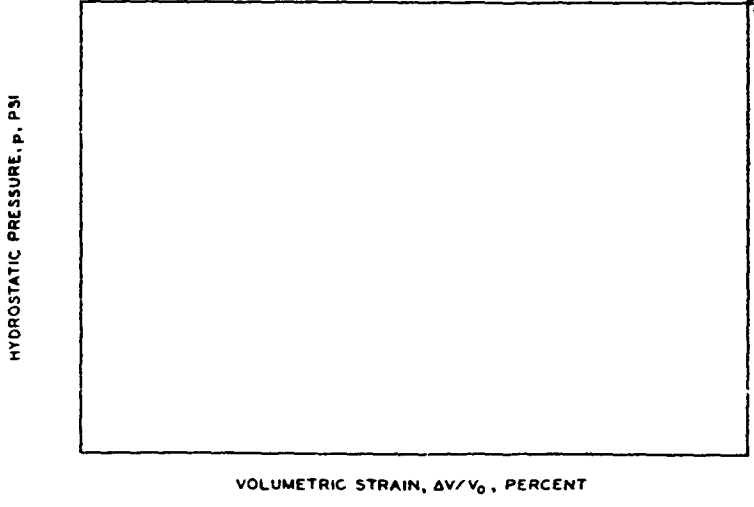
PROJECT	Ga Tech B-602,		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	165
DEPTH EL.		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand		
	Constant Ratio, 0.8		
	Initial Pressure, 0 psi		

WATER CONTENT	w	10.38	%
VOID RATIO	e_0	0.35	
SATURATION	S_0	80.07	%
DRY DENSITY	γ_d	123.77	PCF
WET DENSITY	γ	136.61	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7.53	CM



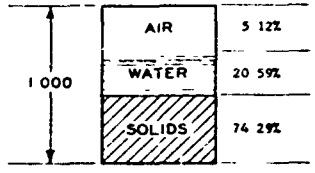


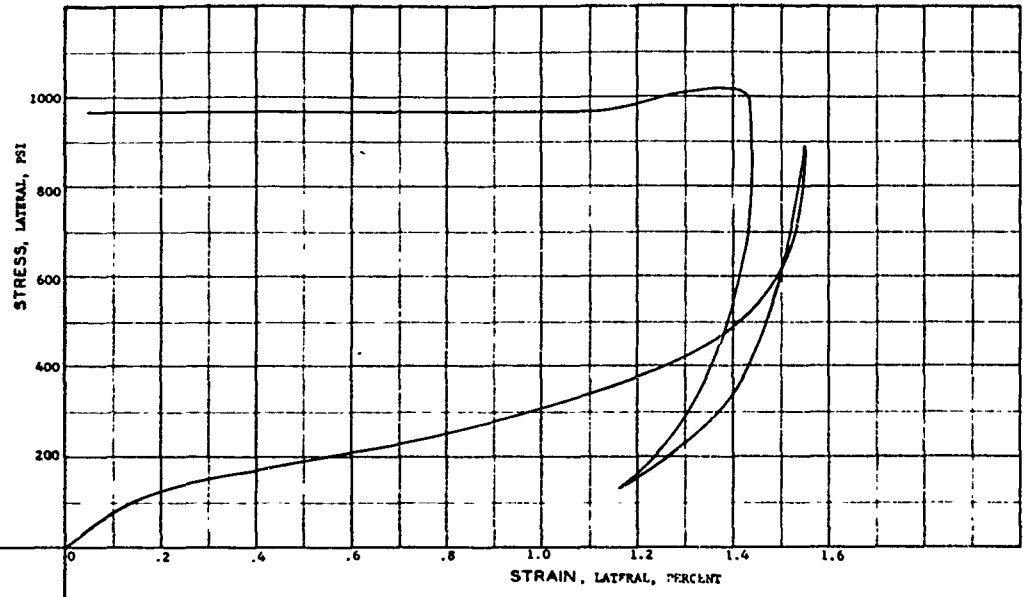
HYDROSTATIC COMPRESSION PHASE



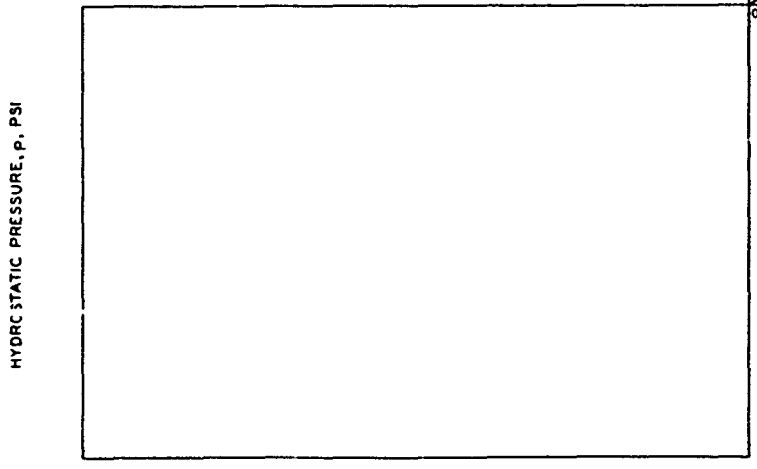
PROJECT Georgia Institute of Technology, B-602			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 166	
DEPTH		DATE	
EL			
LL 27	PL 15		PI 12
DESCRIPTION McCormick Ranch Sand			
Constant Stress Ratio, 0.8			
Initial Pressure, 0 psi			

WATER CONTENT	W	10.38	%
VOID RATIO	e_0	0.35	
SATURATION	S_0	80 07	%
DRY DENSITY	γ_d	123.77	PCF
WET DENSITY	γ	136.61	PCF
SPECIFIC GRAVITY	G_s	2 67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7 53	CM



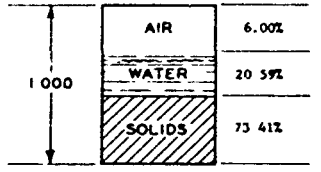


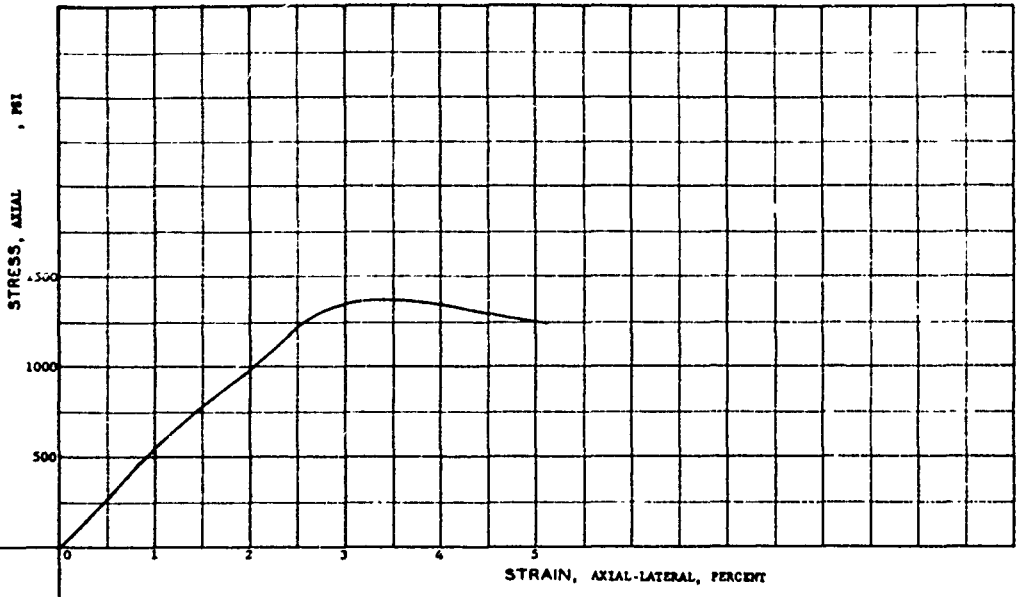
HYDROSTATIC COMPRESSION PHASE



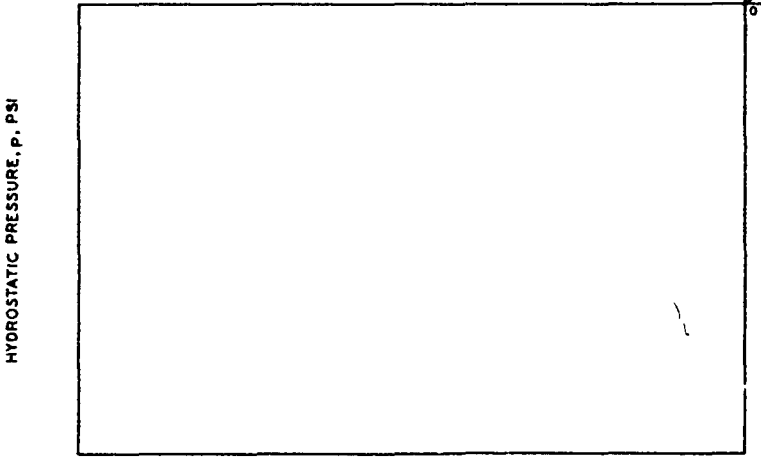
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO		SAMPLE NO. 166
DEPTH		
EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Constant Stress Ratio, 0.8	
	Initial Pressure, 0 psi	

WATER CONTENT	w	10.50	%
VOID RATIO	e_o	0 36	
SATURATION	S_o	77.44	%
DRY DENSITY	γ_d	122 31	PCF
WET DENSITY	γ	135.16	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_o	3.51	CM
SPECIMEN HEIGHT	H_o	7.53	CM



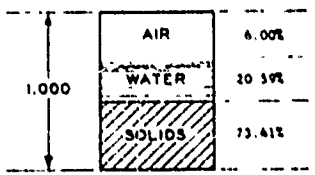


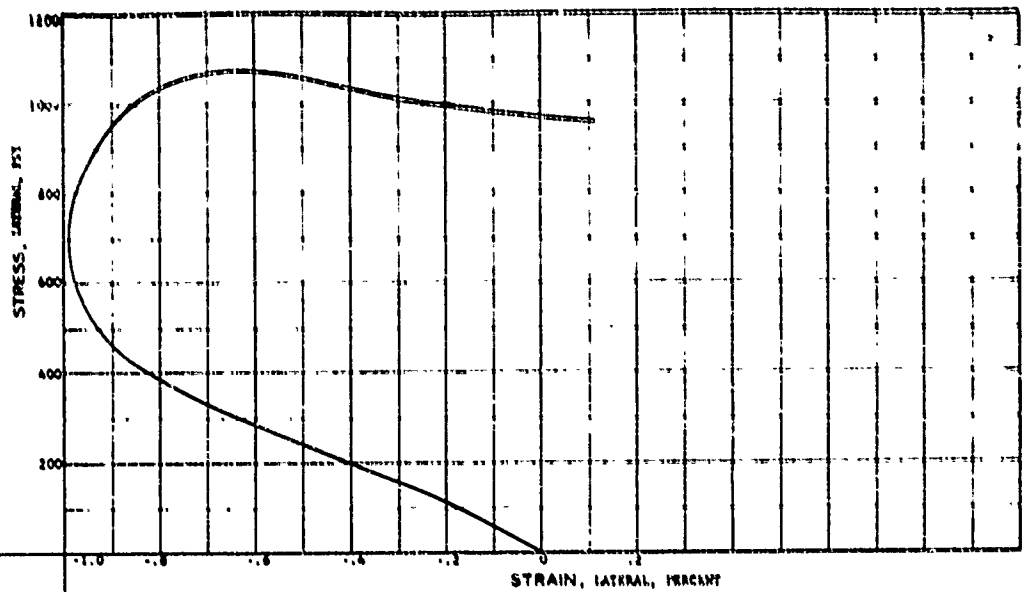
HYDROSTATIC COMPRESSION PHASE



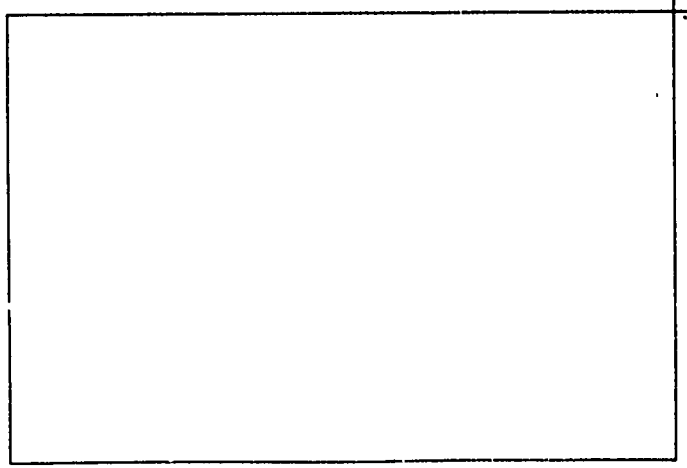
PROJECT	Ga Tech B-602,	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 170
DEPTH		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Constant Stress Ratio, 0.8	
	Initial Pressure, 0 psi	

WATER CONTENT	w	10.50	%
VOID RATIO	e_0	0.36	
SATURATION	S_0	77.44	%
DRY DENSITY	γ_d	122.31	PCF
WET DENSITY	γ	135.16	PCF
[illegible] GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.51	CM
SPECIMEN HEIGHT	H_0	7.53	CM



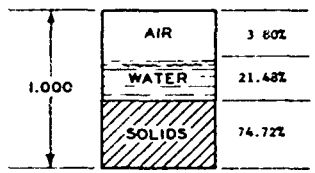


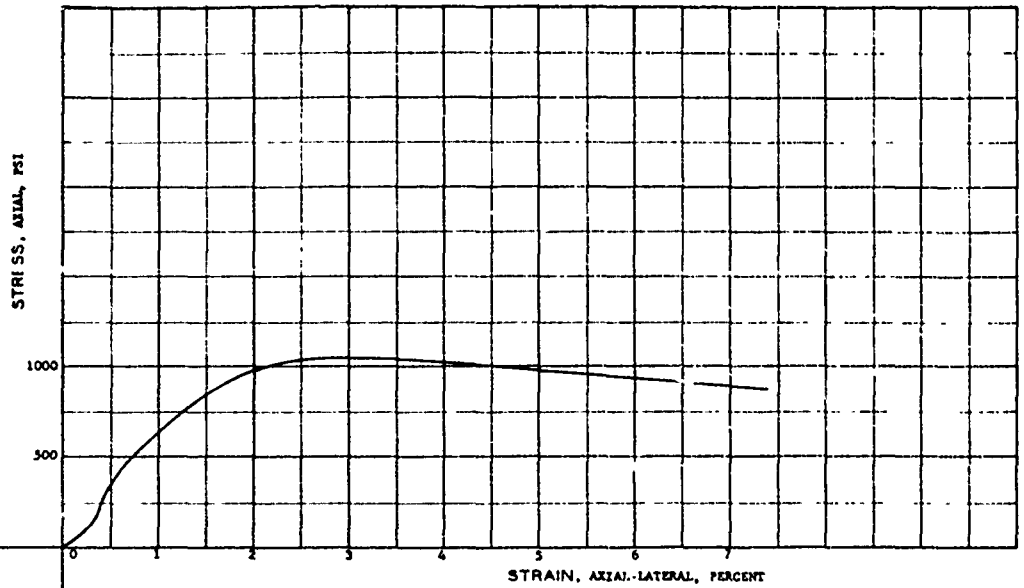
HYDROSTATIC COMPRESSION PHASE



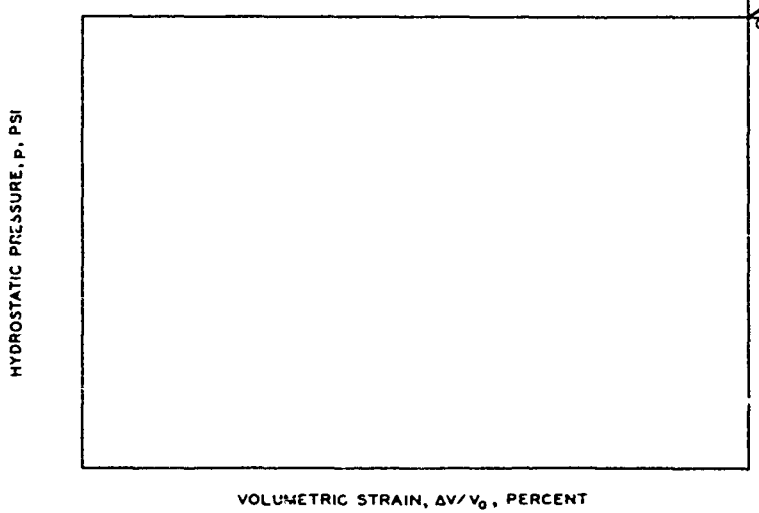
PROJECT	Ga Tech B-402	
	Contract No. DACA39-67-C-0031	
AREA		
BORING NO.		SAMPLE NO. 170
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand	
	Constant Stress Ratio, 0.8	
	Initial Pressure, 0 psi	

WATER CONTENT	w	10 76 %
VOID RATIO	e_0	0 34
SATURATION	S_0	84 96 %
DRY DENSITY	γ_d	124 49 PCF
WET DENSITY	γ	137.89 PCF
SPECIFIC GRAVITY	G_s	2 67
SPECIMEN DIAMETER	D_0	3 49 CM
SPECIMEN HEIGHT	H_0	7.55 CM



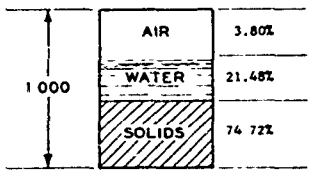


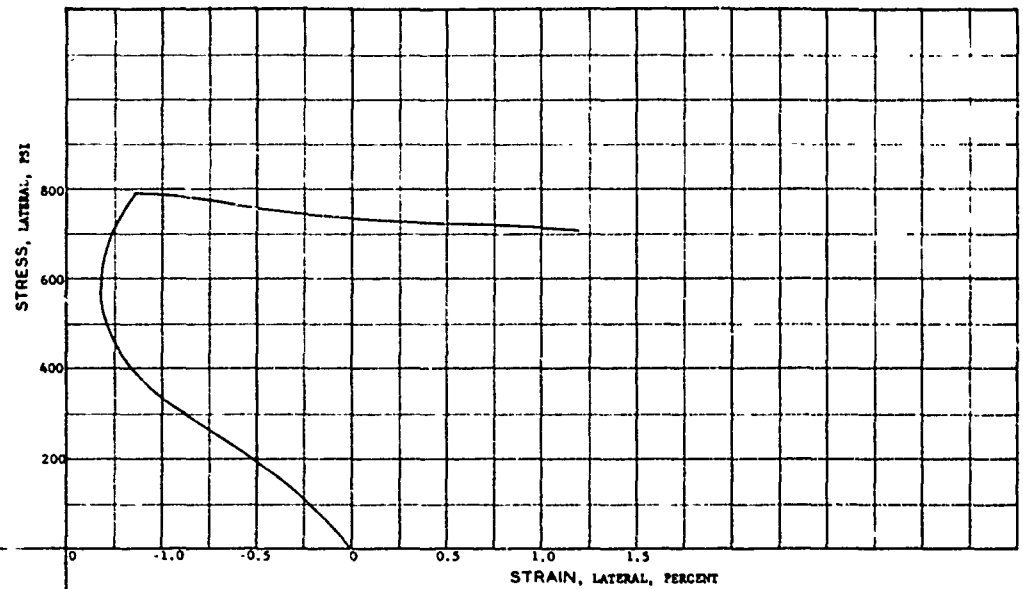
HYDROSTATIC COMPRESSION PHASE



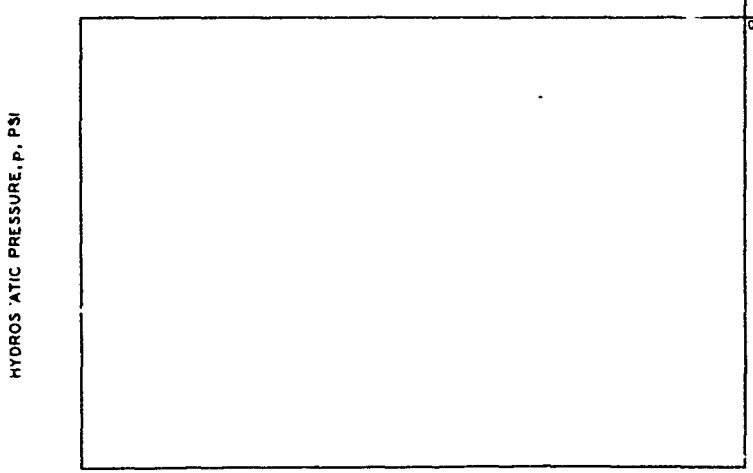
PROJECT	Ga Tech B-602, Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	103
DEPTH EL		DATE	
LL	27	PL 15	PI 12
DESCRIPTION	McCormick Ranch Sand Constant Stress Ratio, 0.8 Initial Pressure, 0 psi		

WATER CONTENT	w	10 76	%
VOID RATIO	e_0	0.36	
SATURATION	S_0	84 96	%
DRY DENSITY	γ_d	124 49	PCF
WET DENSITY	γ	137 89	PCF
SPECIFIC GRAVITY	G_s	2 67	
SPECIMEN DIAMETER	D_0	3 49	CM
SPECIMEN HEIGHT	H_0	7 55	CM





HYDROSTATIC COMPRESSION PHASE



PROJECT Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO 183
DEPTH EL		DATE
LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand; Constant Stress Ratio, 0.8; Initial Pressure, 0 psi		

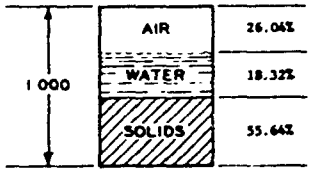
Group A

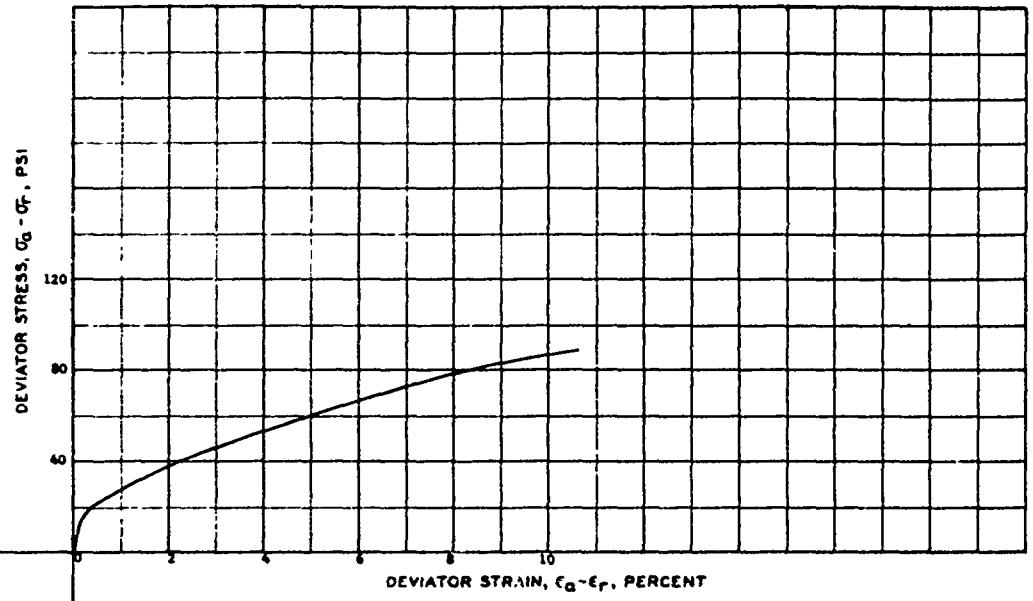
Triaxial Tests

Group A

Triaxial Tests

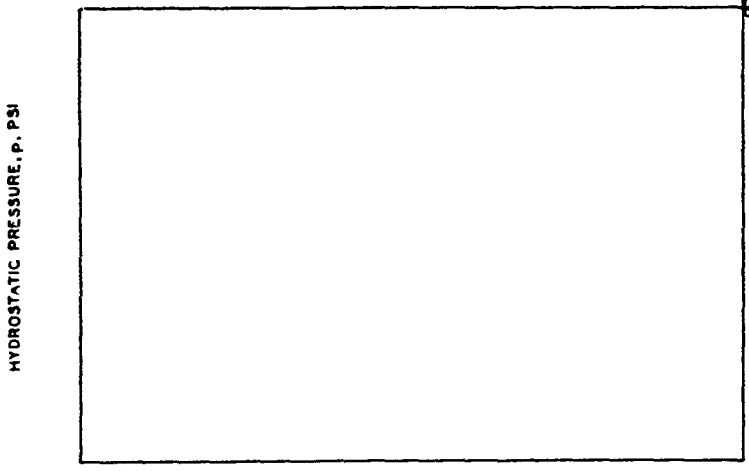
WATER CONTENT	w	12.19 %
VOID RATIO	e_0	0.60
SATURATION	S_0	41.29 %
DRY DENSITY	γ_d	93.74 PCF
WET DENSITY	γ	105.16 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.62 CM





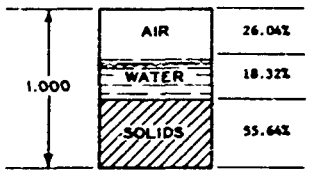
TRIAXIAL SHEAR PHASE

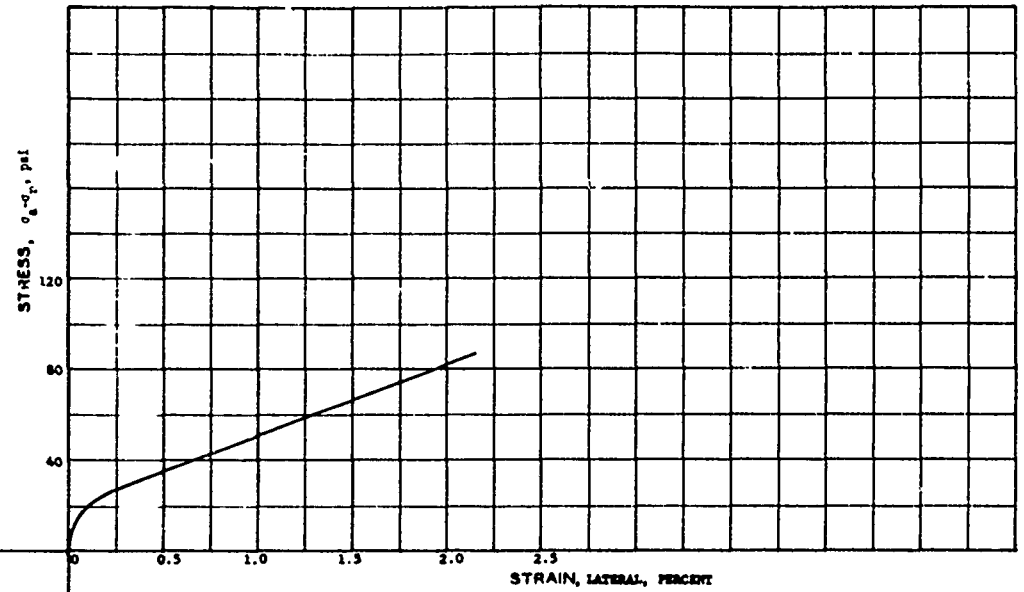
HYDROSTATIC COMPRESSION PHASE



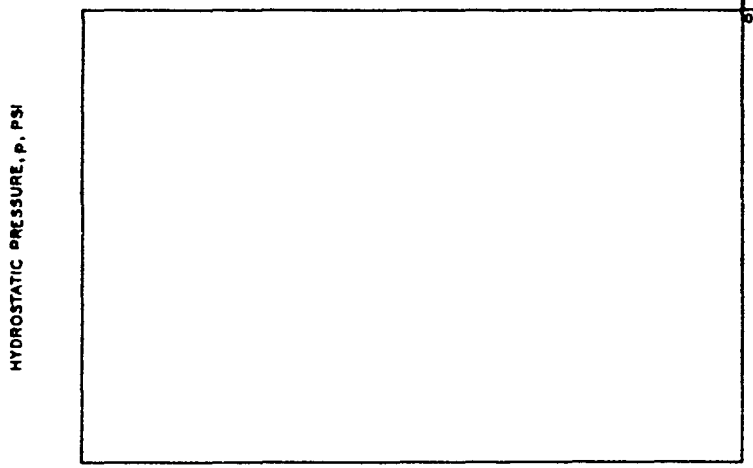
PROJECT Ga Tech B-602; Contract No. DACA19-66-C-0051		
AREA		
BORING NO		SAMPLE NO. 220
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION Watchung Mill Clay		

WATER CONTENT	W	12.19	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	61.29	%
DRY DENSITY	γ_d	93.74	PCF
WET DENSITY	γ	105 18	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3 50	CM
SPECIMEN HEIGHT	H_0	7.62	CM



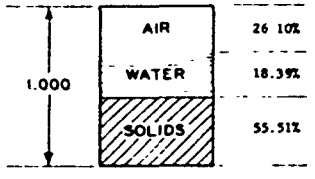


HYDROSTATIC COMPRESSION PHASE

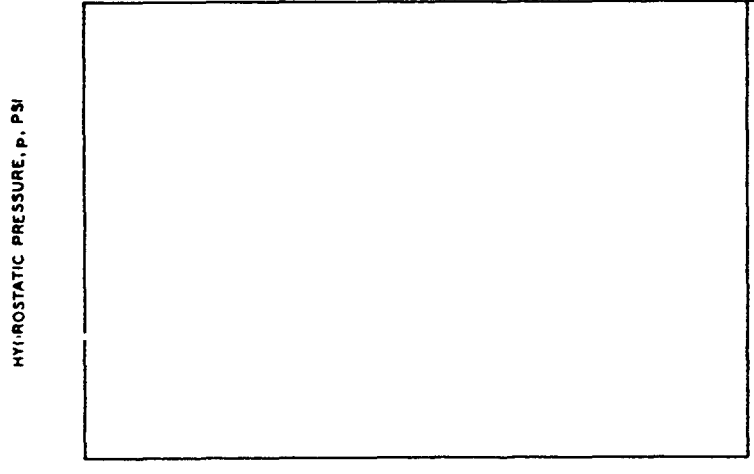


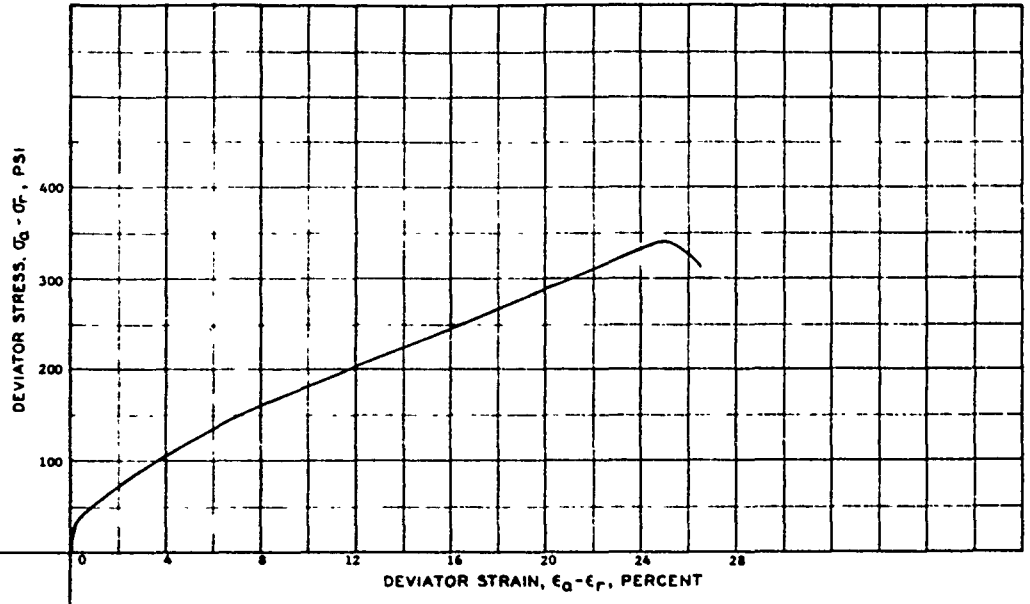
PROJECT	Ga Tech B-402; Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO. 220	
DEPTH EL		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION	Natchez Hill Clay		

WATER CONTENT	W	12.27 %
VOID RATIO	e_o	0.80
SATURATION	S_o	41.35 %
DRY DENSITY	γ_d	93.53 PCF
WET DENSITY	γ	105.01 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_o	3.49 CM
SPECIMEN HEIGHT	H_o	7.62 CM



HYDROSTATIC COMPRESSION PHASE

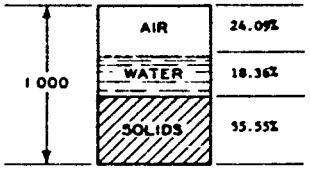




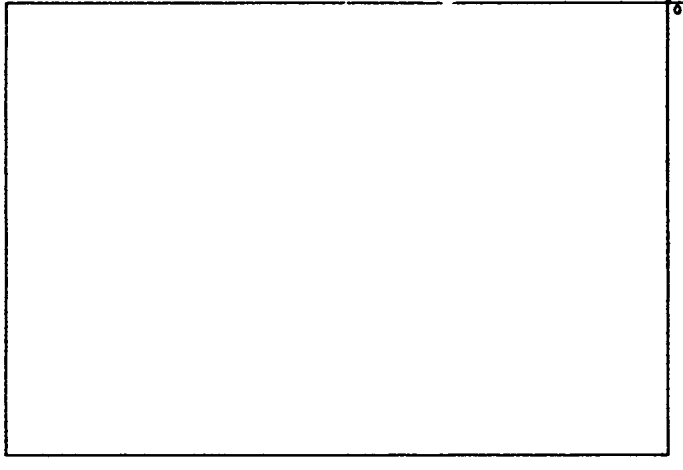
TRIAXIAL SHEAR PHASE

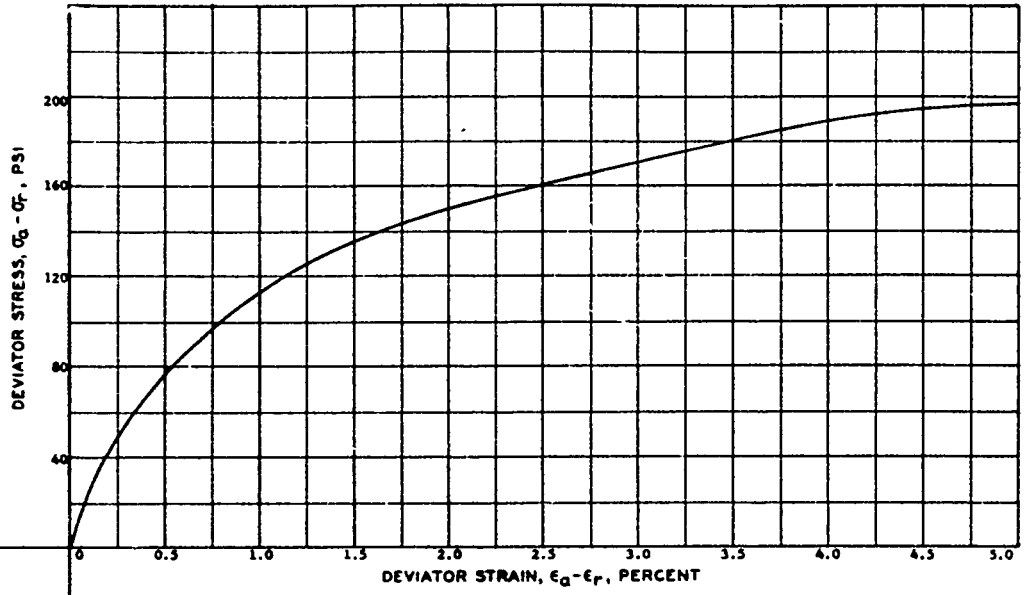
PROJECT	Ga Tech B-602;		
	Contract No. DACA29-67-C-0031		
AREA			
BORING NO.		SAMPLE NO	222
DEPTH			
EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay		

WATER CONTENT	w	12.24	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.30	%
DRY DENSITY	γ_d	93.60	PCF
WET DENSITY	γ	105.05	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.69	CM
SPECIMEN HEIGHT	H_0	7.62	CM



HYDROSTATIC COMPRESSION PHASE

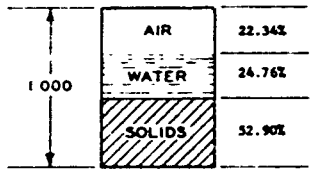




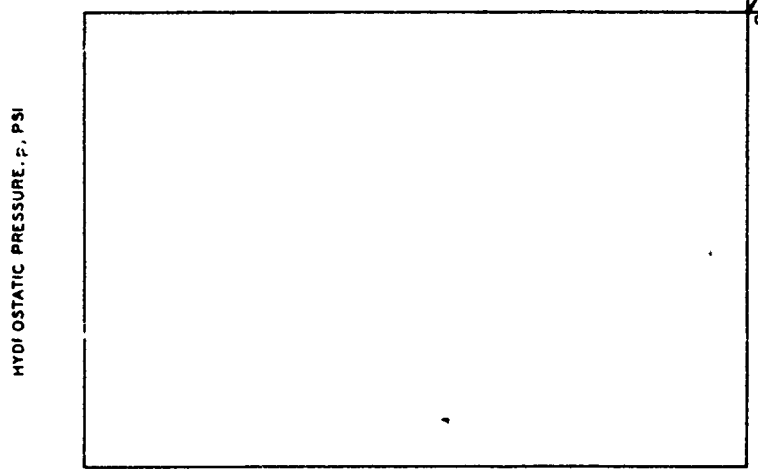
TRIAXIAL SHEAR PHASE

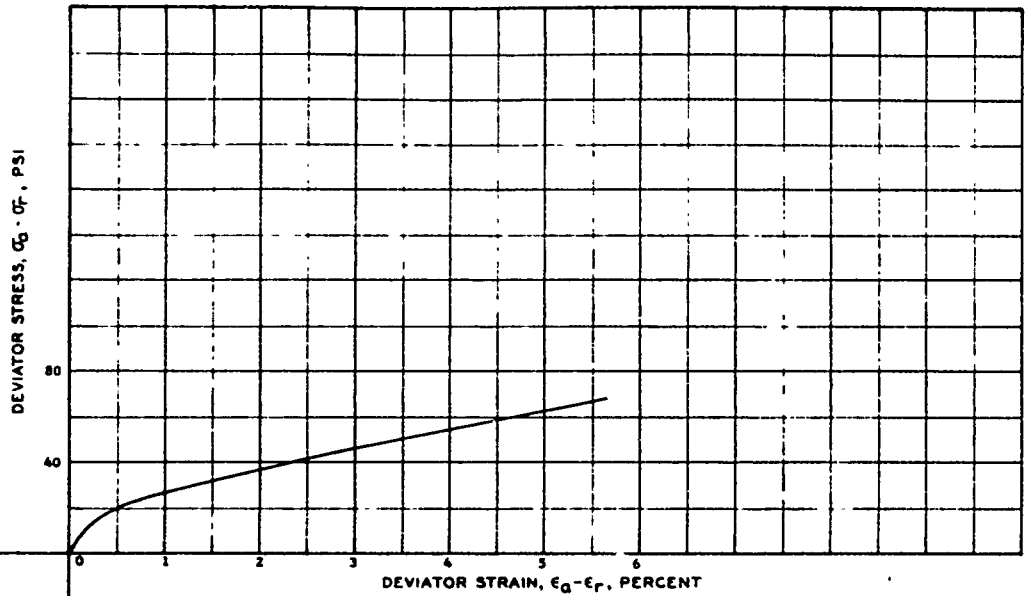
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 233	
DEPTH EL	DATE	
LL 36	PL 17	PI 19
DESCRIPTION Watching Hill Clay		

WATER CONTENT	w	17.33	%
VOID RATIO	e_0	0.89	
SATURATION	S_0	52.56	%
DRY DENSITY	γ_d	89.13	PCF
WET DENSITY	γ	104.58	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.64	CM



HYDROSTATIC COMPRESSION PHASE

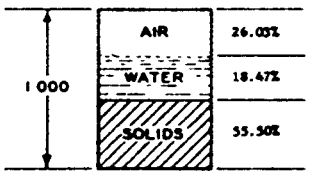




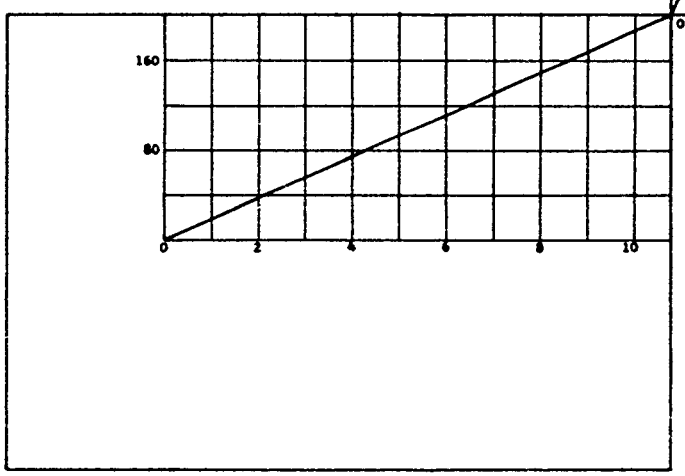
TRIAXIAL SHEAR PHASE

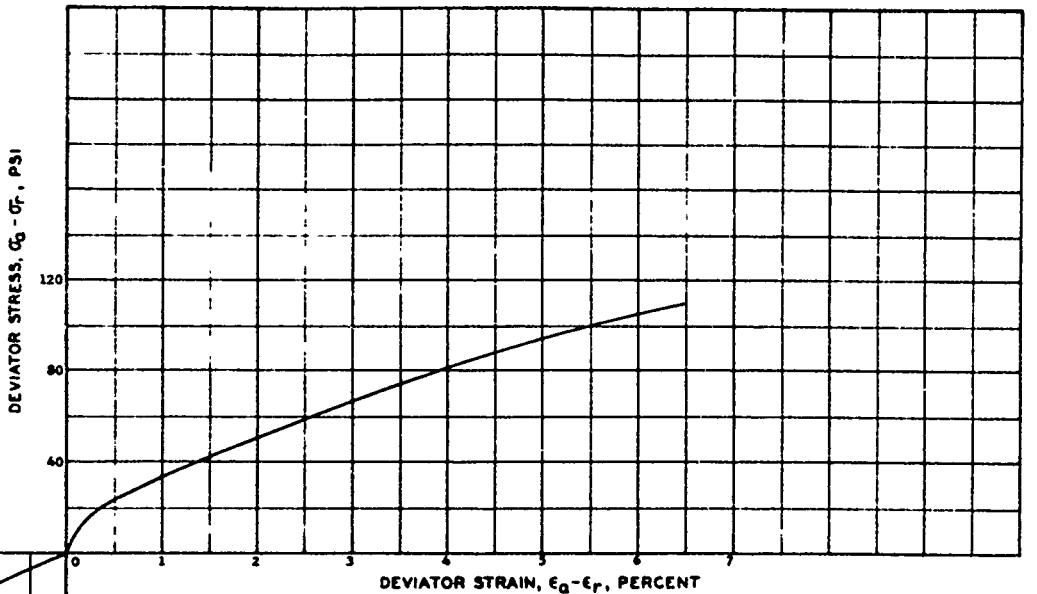
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO		SAMPLE NO. 234
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION Watching Hill Clay		

WATER CONTENT	w	12.33	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.52	%
DRY DENSITY	γ_d	93.51	PCF
WET DENSITY	γ	105.03	PCF
SPECIFIC GRAVITY	G_s	2 67	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.62	CM



HYDROSTATIC COMPRESSION PHASE

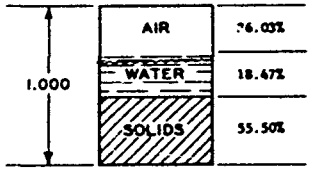


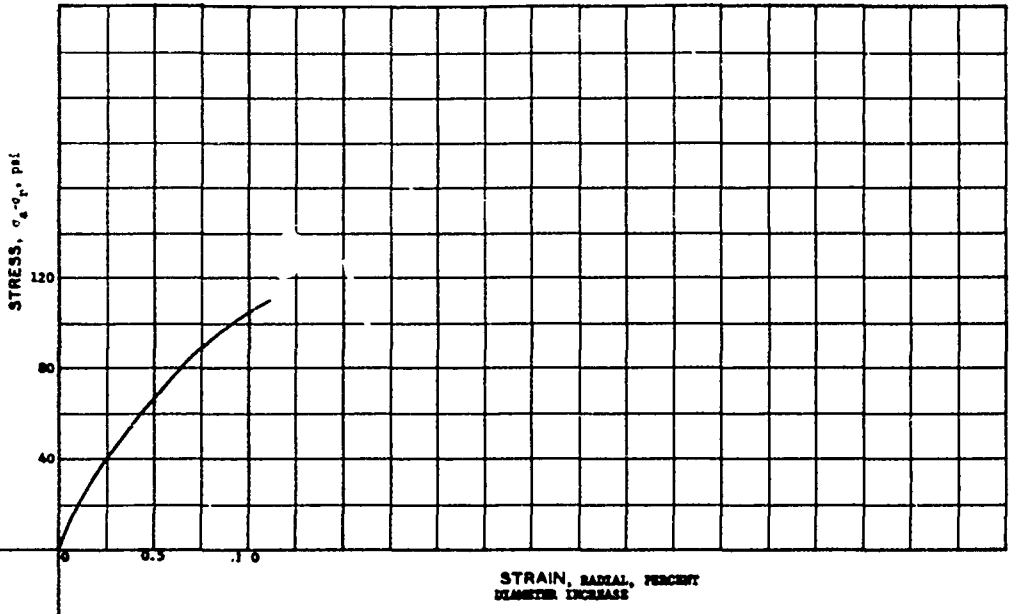


TRIAXIAL SHEAR PHASE

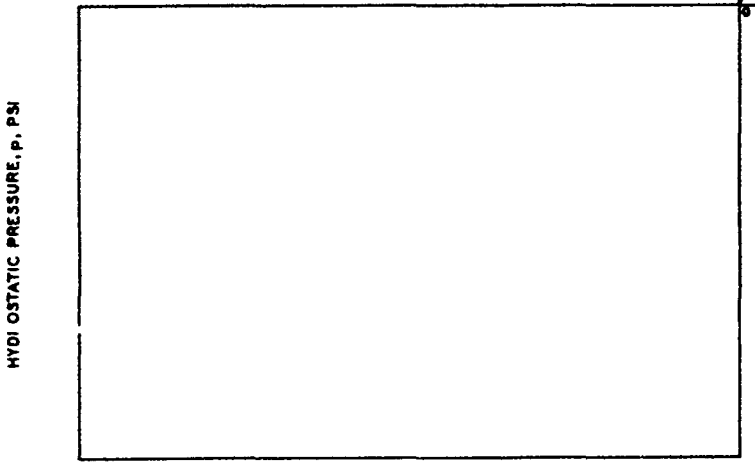
PROJECT	Ga Tech B-602;	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 212
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay	

WATER CONTENT	W	12.33	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.52	%
DRY DENSITY	γ_d	93.51	PCF
WET DENSITY	γ	105.03	PCF
SPECIFIC GRAVITY	G_s	2.67	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.62	CM



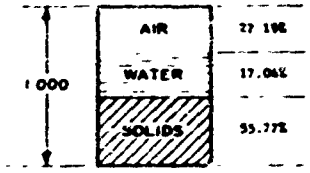


HYDROSTATIC COMPRESSION PHASE

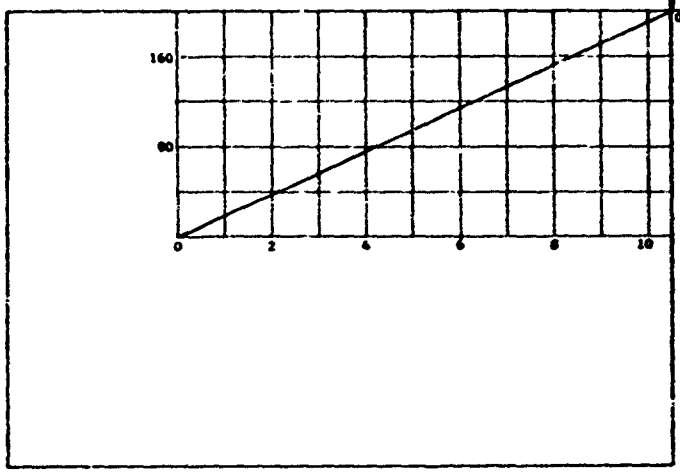


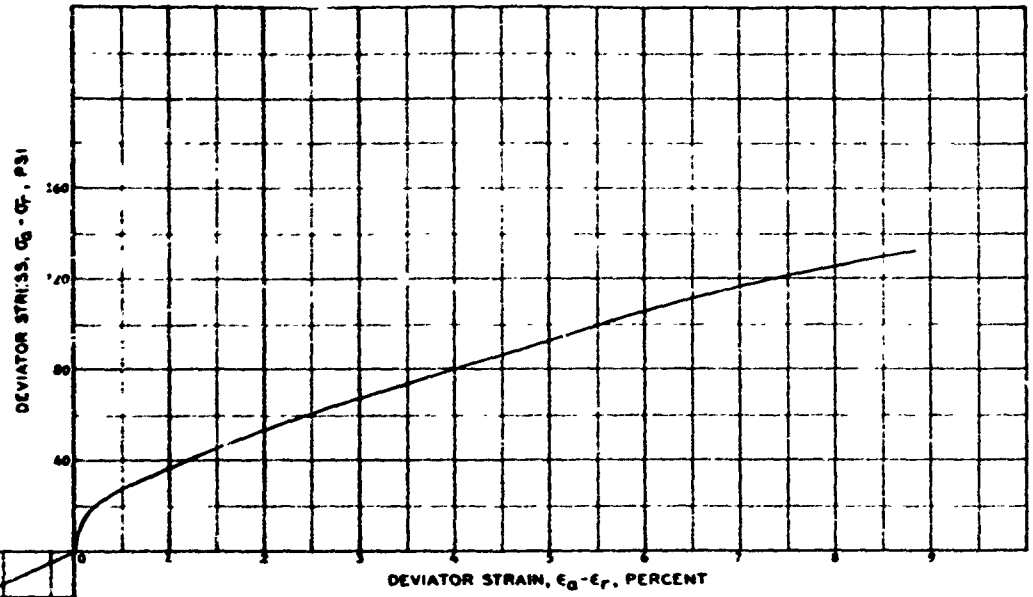
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0031	
AREA		
BORING NO.		SAMPLE NO. 212
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watchlag Hill Clay	

WATER CONTENT	w	11.31	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	38.52	%
DRY DENSITY	γ_d	93.97	PCF
WET DENSITY	γ	104.60	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.61	CM



HYDROSTATIC COMPRESSION PHASE

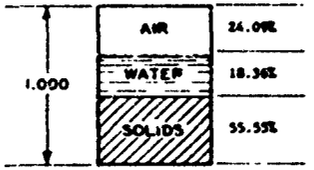




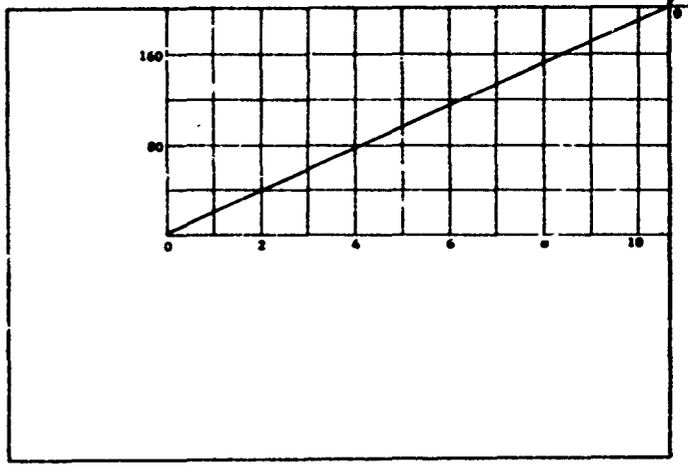
TRIAXIAL SHEAR PHASE

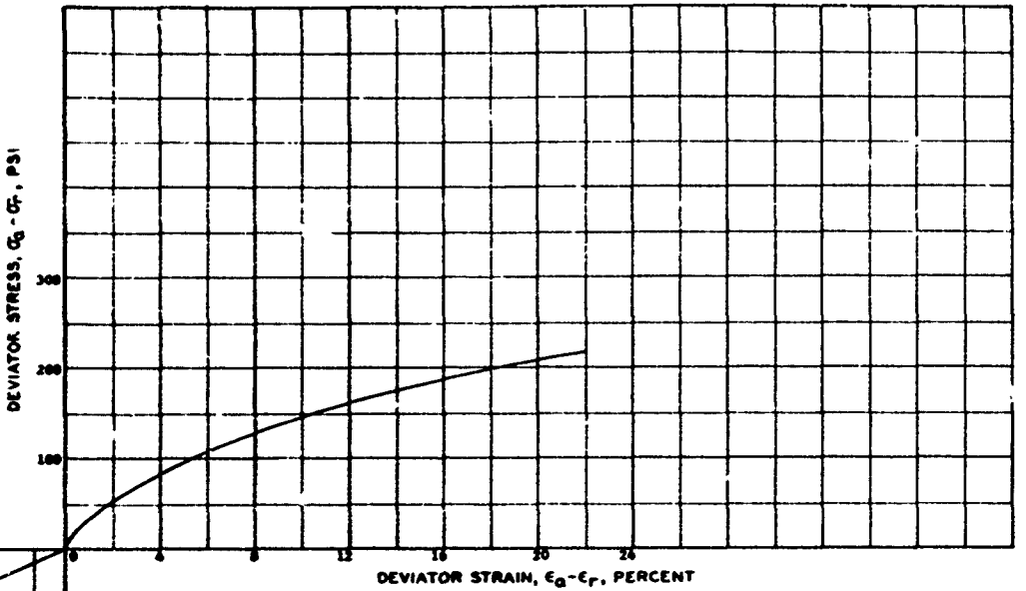
PROJECT	Ga Tech B-602,		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO		SAMPLE NO	213
DEPTH EL		DATE	
LL	36 %	PL 17	PI 19
DESCRIPTION	Watching Hill Clay		

WATER CONTENT	w	12.24	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.30	%
DRY DENSITY	γ_d	93.60	PCF
WET DENSITY	γ	105.05	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.62	CM



HYDROSTATIC COMPRESSION PHASE

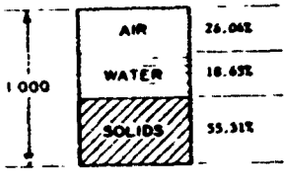




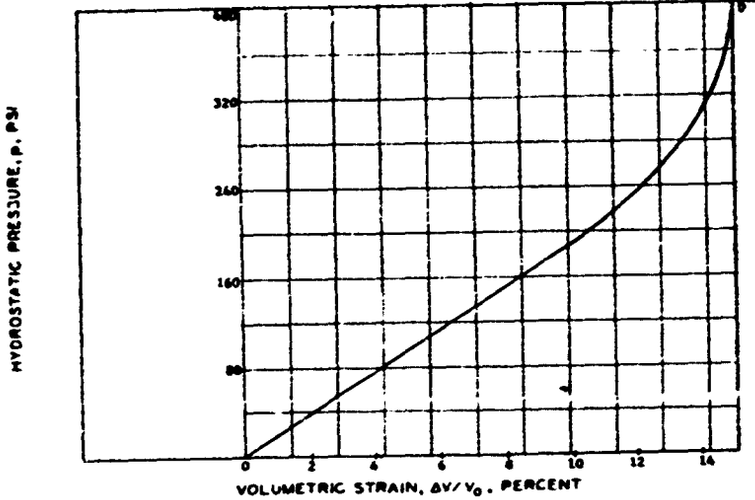
TRIAXIAL SHEAR PHASE

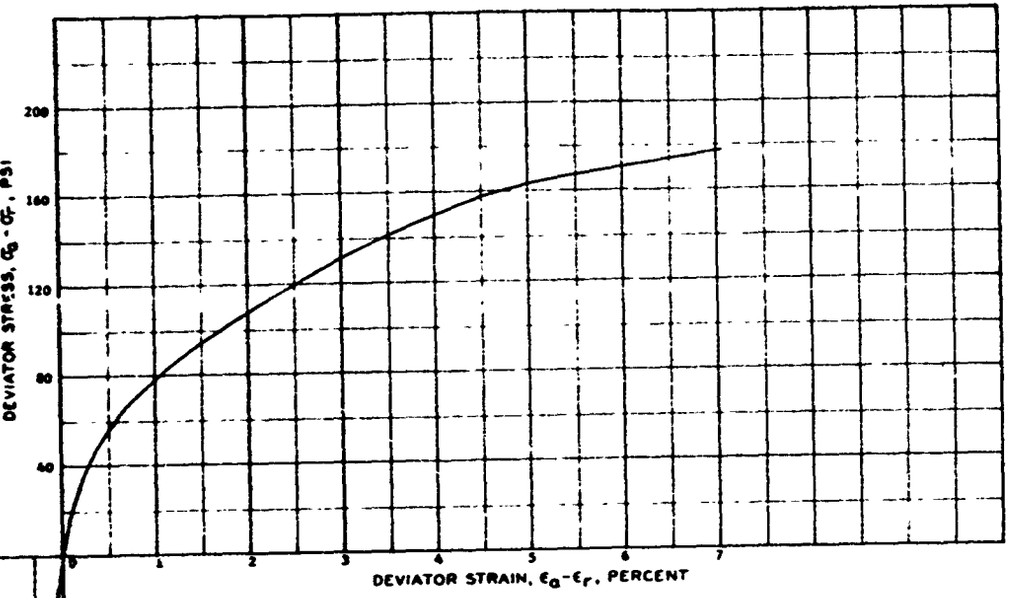
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 233
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION Watching Hill Clay		

WATER CONTENT	w	12.49	%
VOID RATIO	e_0	0.81	
SATURATION	S_0	41.73	%
DRY DENSITY	γ_d	93.18	PCF
WET DENSITY	γ	104.82	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.38	CM



HYDROSTATIC COMPRESSION PHASE

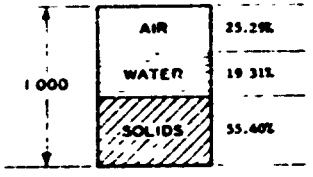




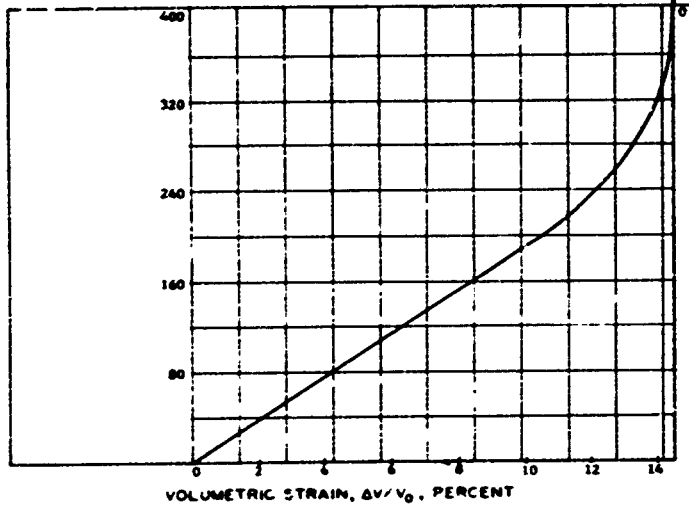
TRIAXIAL SHEAR PHASE

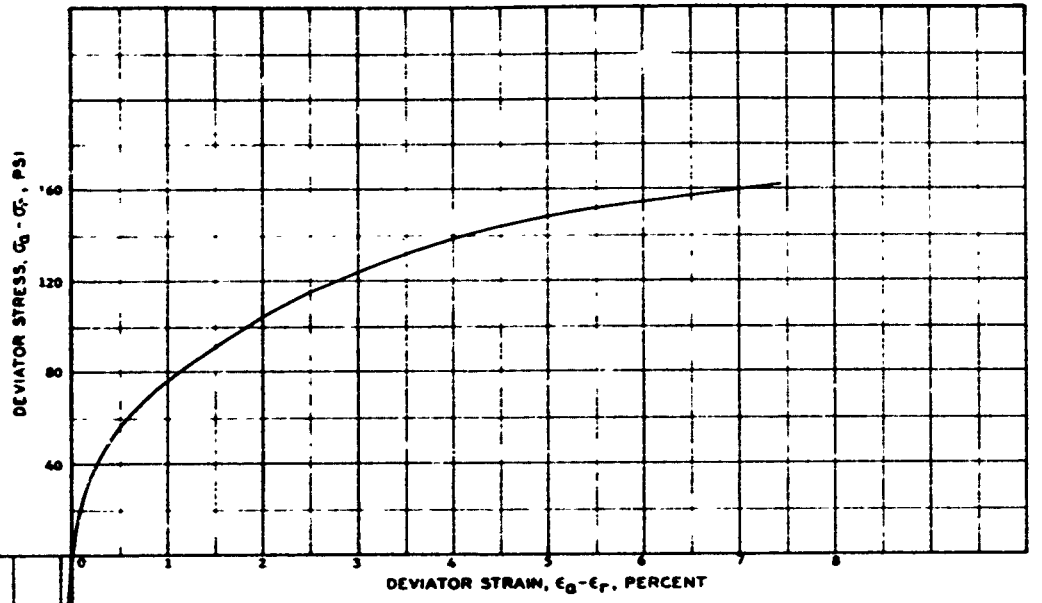
PROJECT	Ga Tech B-602;		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO		SAMPLE NO.	211
DEPTH		DATE	
EL			
LL	36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay		

WATER CONTENT	w	12.91	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	43.31	%
DRY DENSITY	γ_d	93.34	PCF
WET DENSITY	γ	105.39	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.61	CM



HYDROSTATIC COMPRESSION PHASE

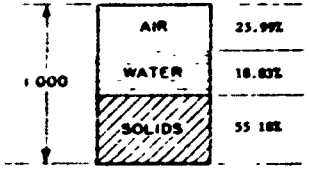




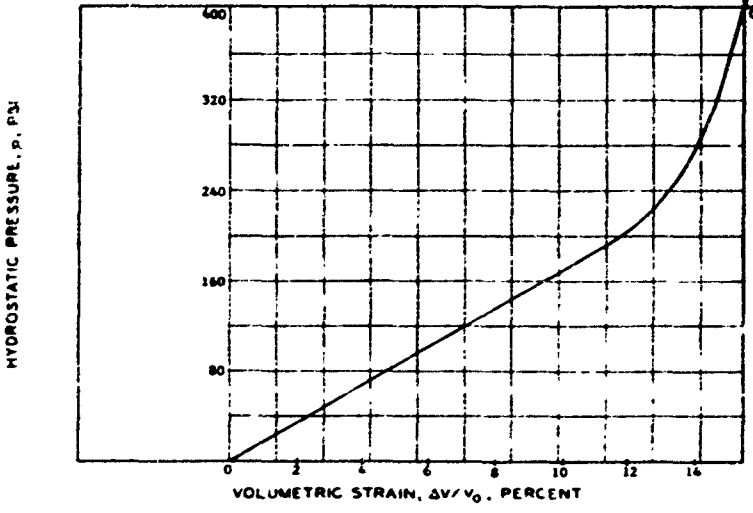
TRIAXIAL SHEAR PHASE

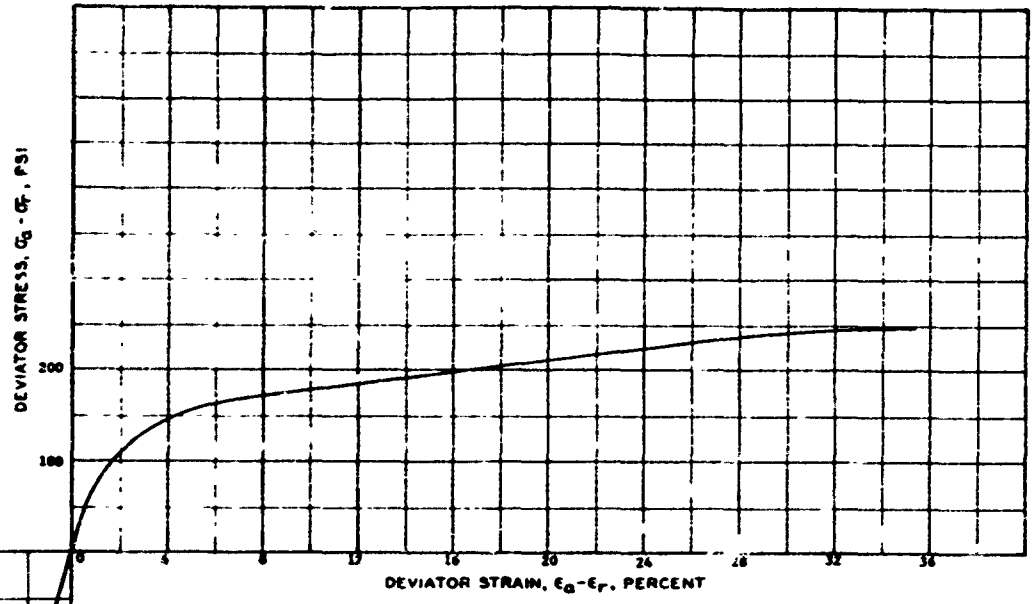
PROJECT	Ga Tech B-402; Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO	216
DEPTH EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay		

WATER CONTENT	w	12.66	%
VOID RATIO	e_0	0.81	
SATURATION	S_0	42.01	%
DRY DENSITY	γ_d	92.97	PCF
WET DENSITY	γ	106.72	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.62	CM



HYDROSTATIC COMPRESSION PHASE

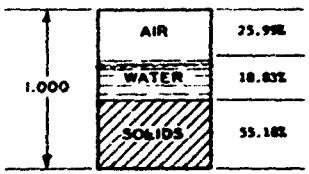




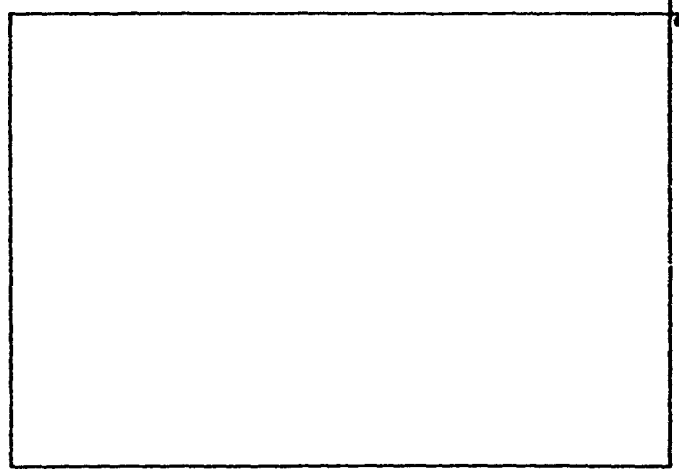
TRIAXIAL SHEAR PHASE

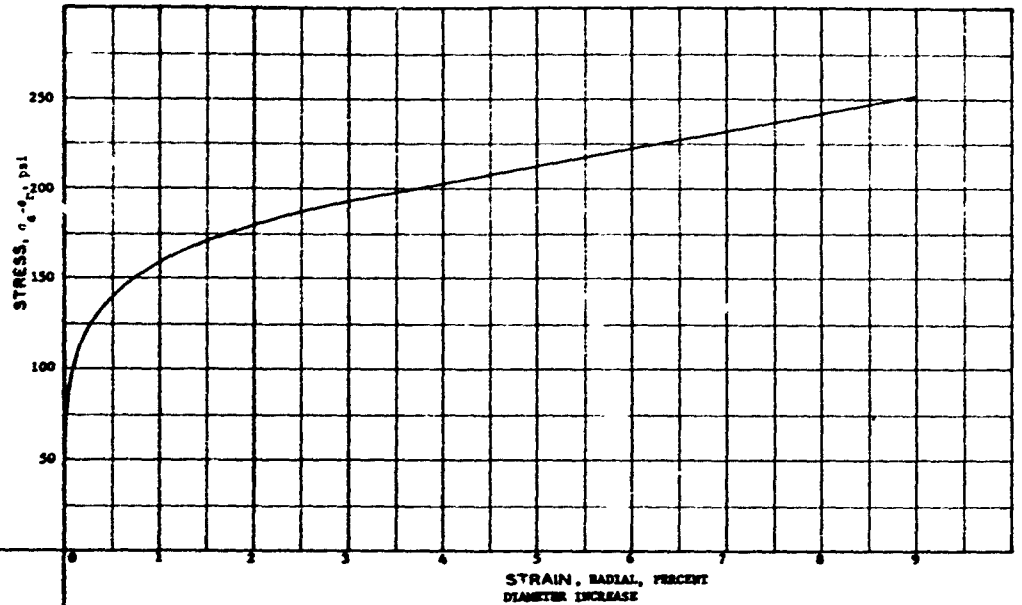
PROJECT: Ga Tech B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO 218
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION: Vicksburg Buff Clay		

WATER CONTENT	w	12.64	%
VOID RATIO	e_0	0.81	
SATURATION	S_0	42.01	%
DRY DENSITY	γ_d	92.97	PCF
WET DENSITY	γ	104.72	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.62	CM



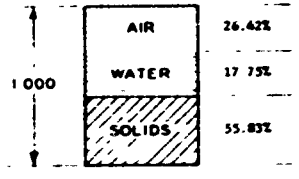
HYDROSTATIC COMPRESSION PHASE

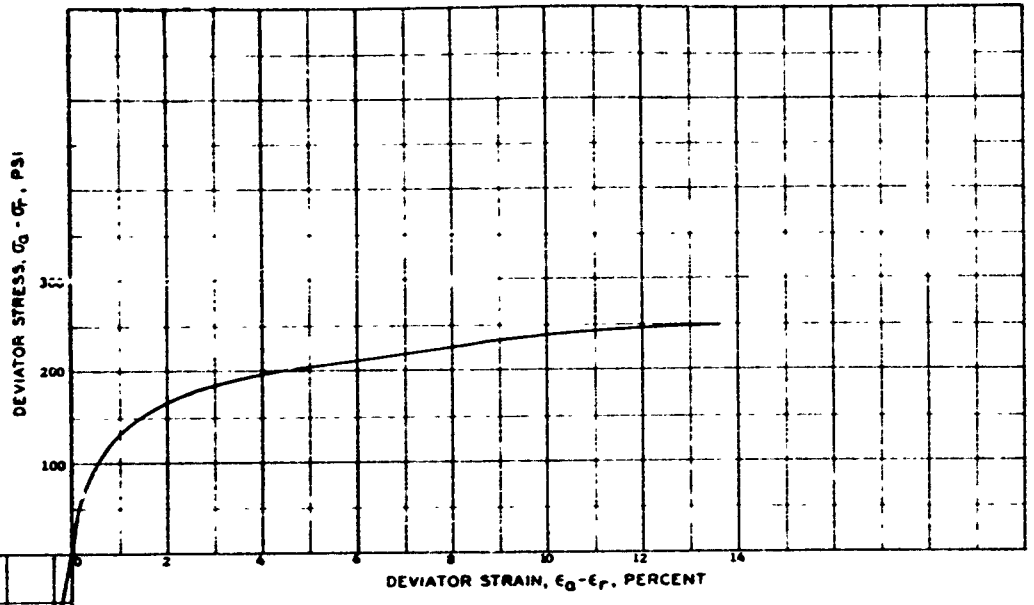




PROJECT Ga Tech B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 218
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION Waiching Hill Clay		

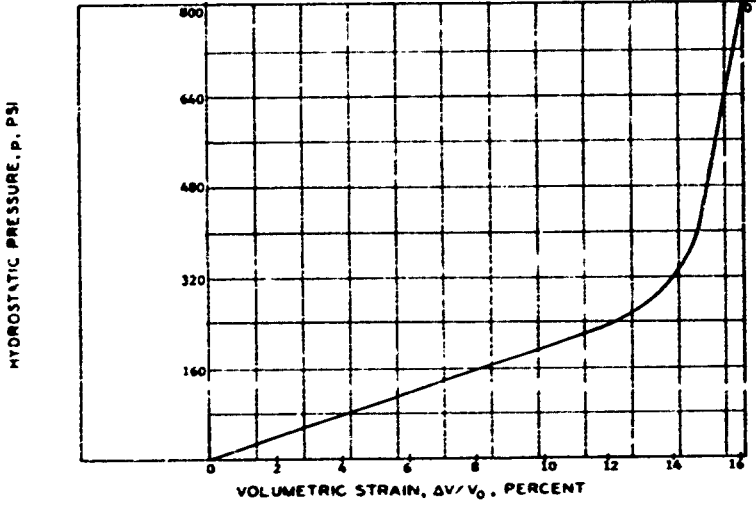
WATER CONTENT	w	11.77	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	40.17	%
DRY DENSITY	γ_d	96.07	PCF
WET DENSITY	γ	105.16	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.59	CM





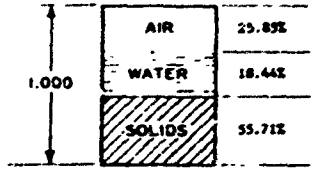
TRIAXIAL SHEAR PHASE

HYDROSTATIC COMPRESSION PHASE

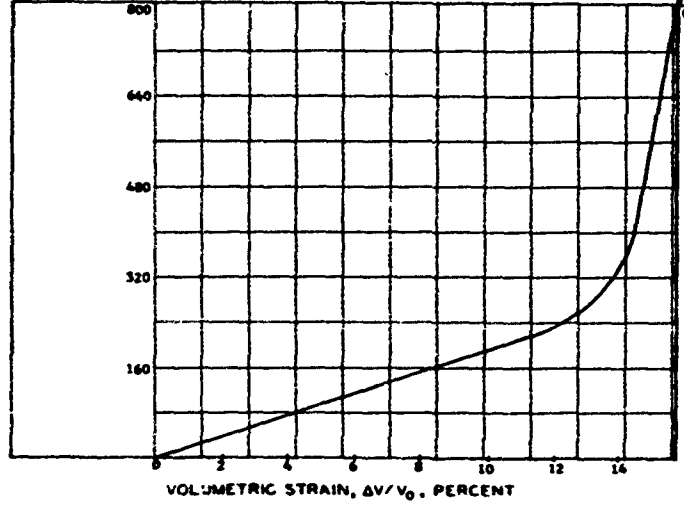


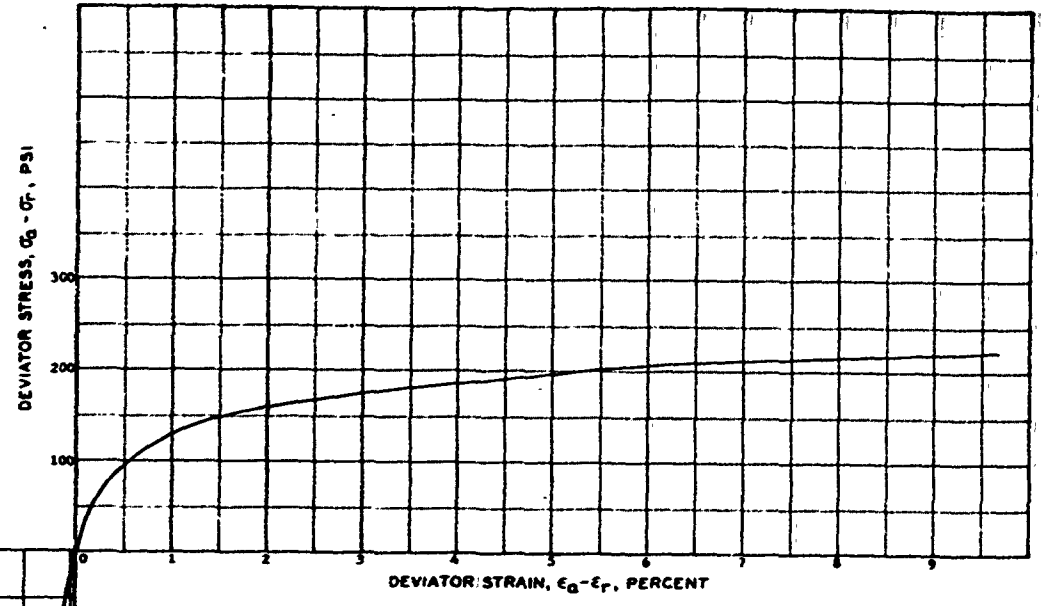
PROJECT	Ga Tech B-602,		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO		SAMPLE NO	210
DEPTH		DATE	
EL			
LL	36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay		

WATER CONTENT	w	12.26 %
VOID RATIO	e_0	0.79
SATURATION	S_0	41.63 %
DRY DENSITY	γ_d	93.87 PCF
WET DENSITY	γ	105.37 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.60 CM



HYDROSTATIC COMPRESSION PHASE

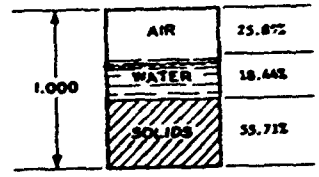


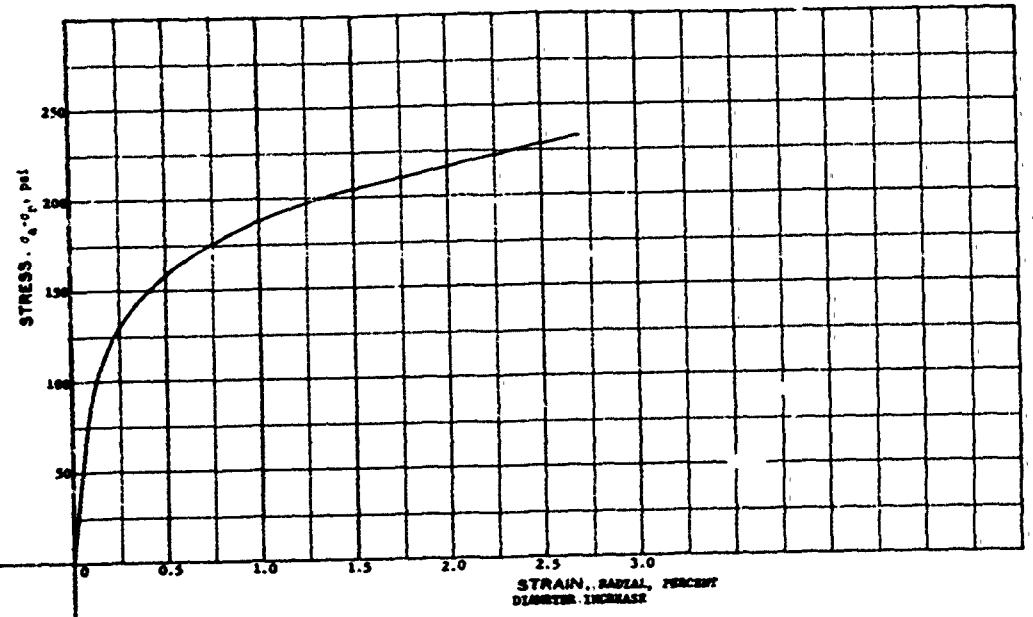


TRIAXIAL SHEAR PHASE

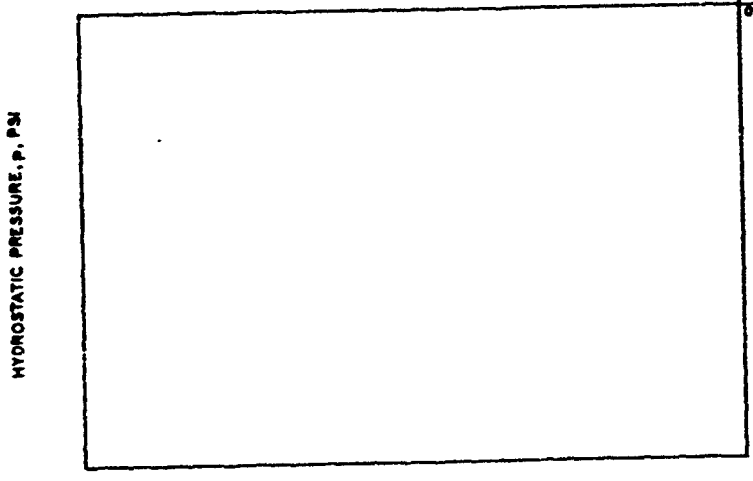
PROJECT Ga Tech B-602;		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 214
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION Watching Hill Clay		

WATER CONTENT	w	12.26 %
VOID RATIO	e_0	0.79
SATURATION	S_0	41.63 %
DRY DENSITY	γ_d	93.87 PCF
WET DENSITY	γ	105.37 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.60 CM



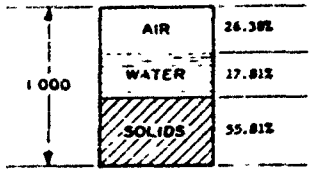


HYDROSTATIC COMPRESSION PHASE

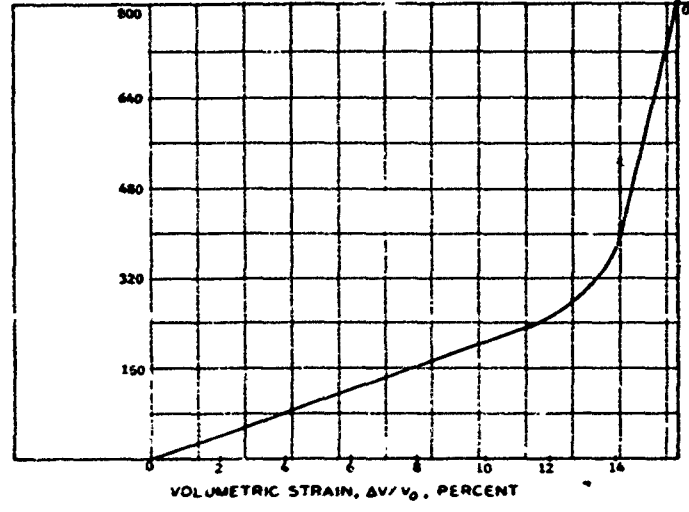


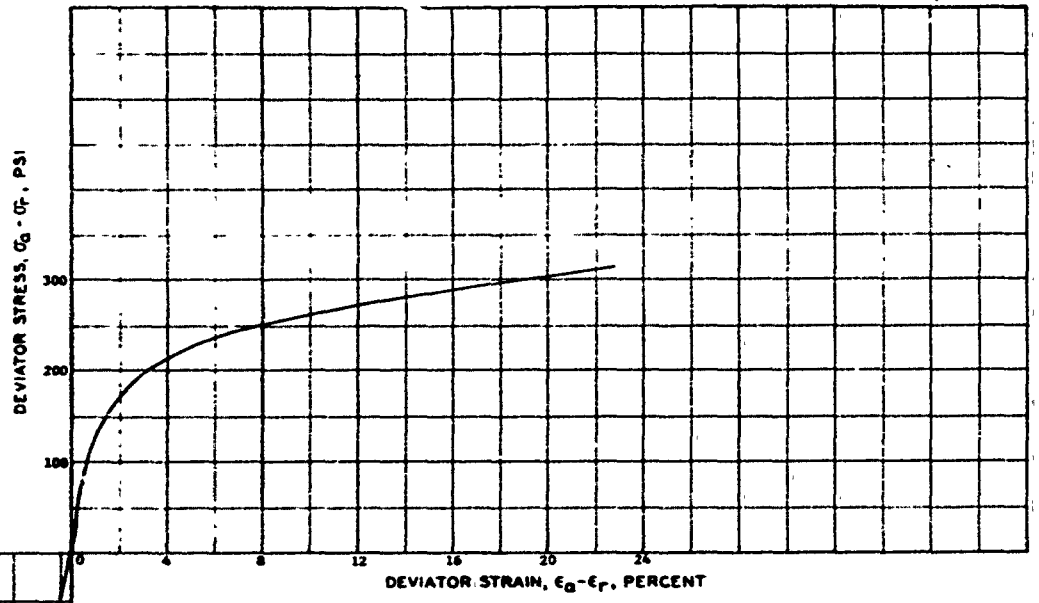
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0031	
AREA		
BORING NO.		SAMPLE NO. 214
DEPTH EL.		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay	

WATER CONTENT	w	11.82	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	40.29	%
DR ' DENSITY	γ_d	94.02	PCF
WET DENSITY	γ	105.13	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.60	CM



HYDROSTATIC COMPRESSION PHASE

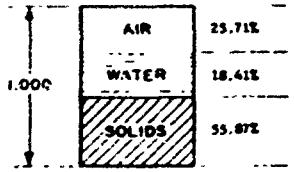




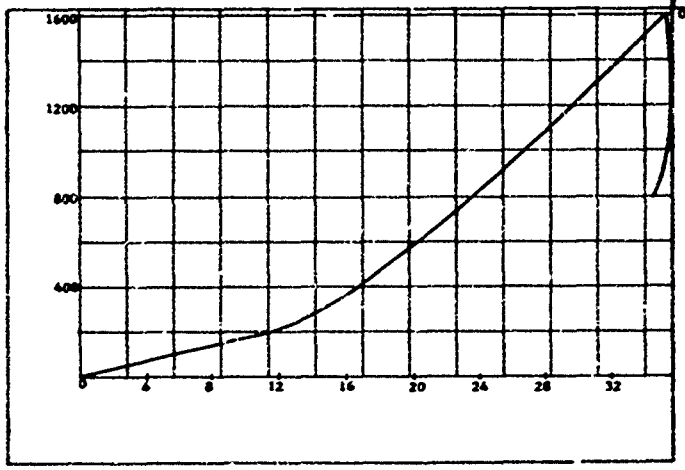
TRIAXIAL SHEAR PHASE

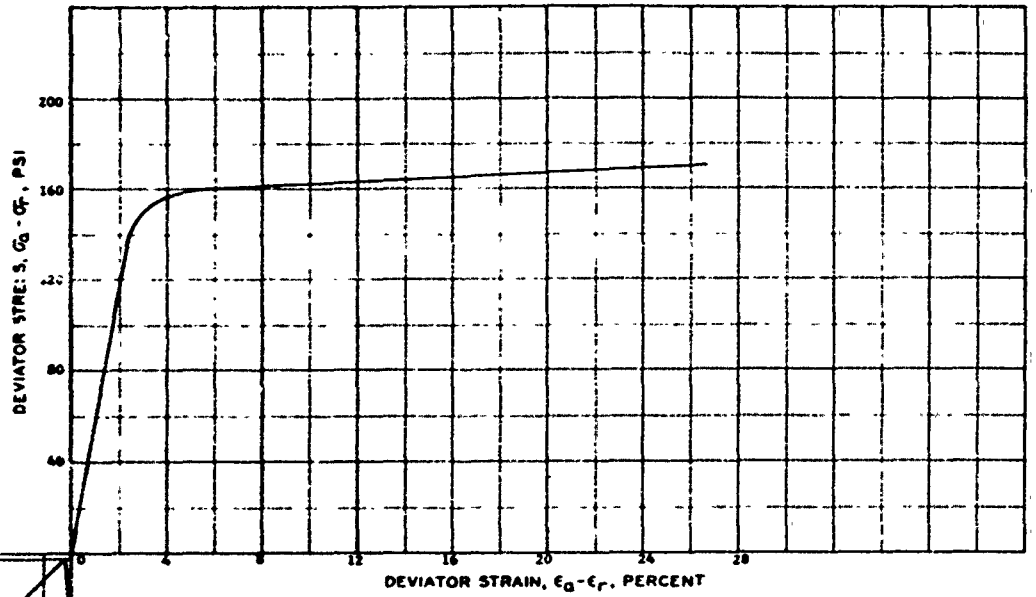
PROJECT Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 215
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION Watching Hill Clay		

WATER CONTENT	w	12.20	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	41.72	%
DRY DENSITY	γ_d	96.16	PCF
WET DENSITY	γ	105.62	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.62	CM



HYDROSTATIC COMPRESSION PHASE

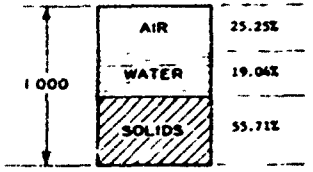


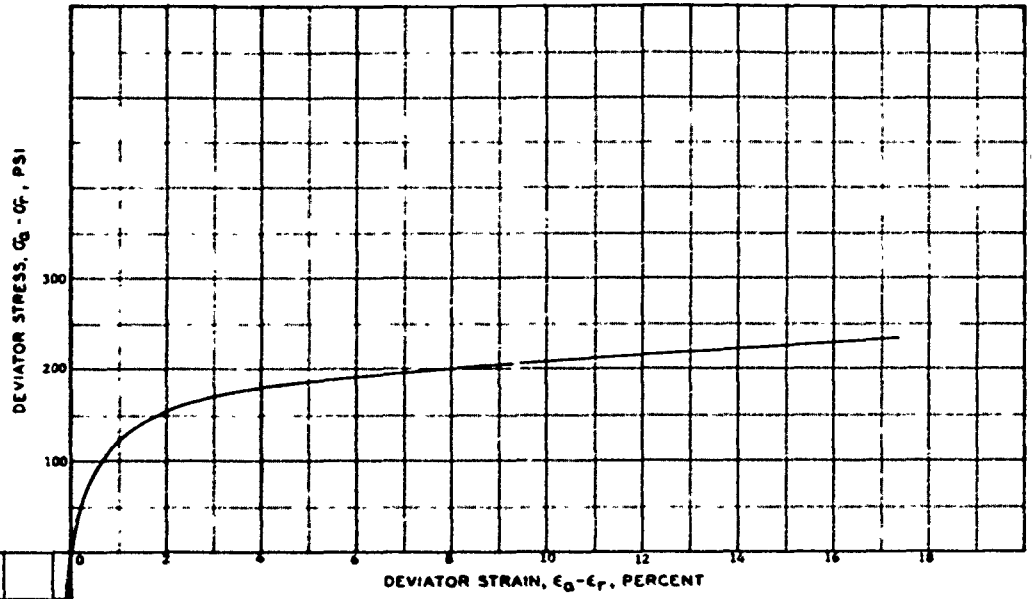


TRIAXIAL SHEAR PHASE

PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO. / DEPTH / EL		SAMPLE NO. 2C6 / DATE	
LL 34	PL 17	PI 19	
DESCRIPTION	Matching Hill Clay		
	Triaxial Test, Compress to 1600 psi, Unload to 800 psi		
	Shear at 800 psi		

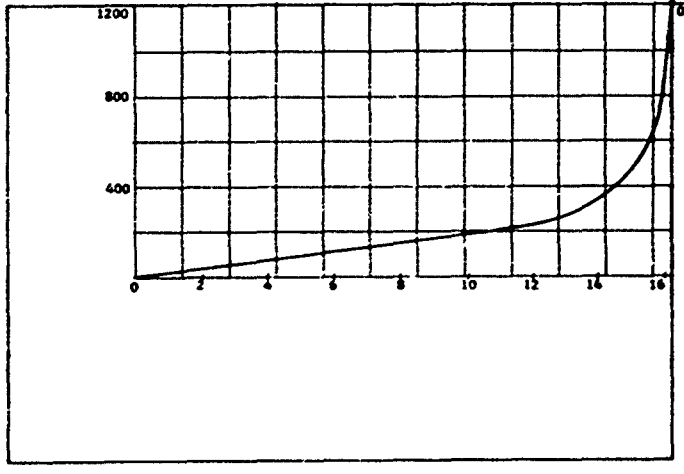
WATER CONTENT	w	12.66	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	42.99	%
DRY DENSITY	γ_d	93.85	PCF
WET DENSITY	γ	105.73	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.58	CM





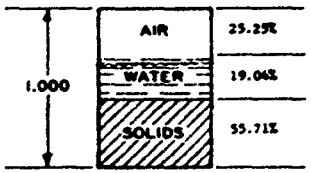
TRIAXIAL SHEAR PHASE

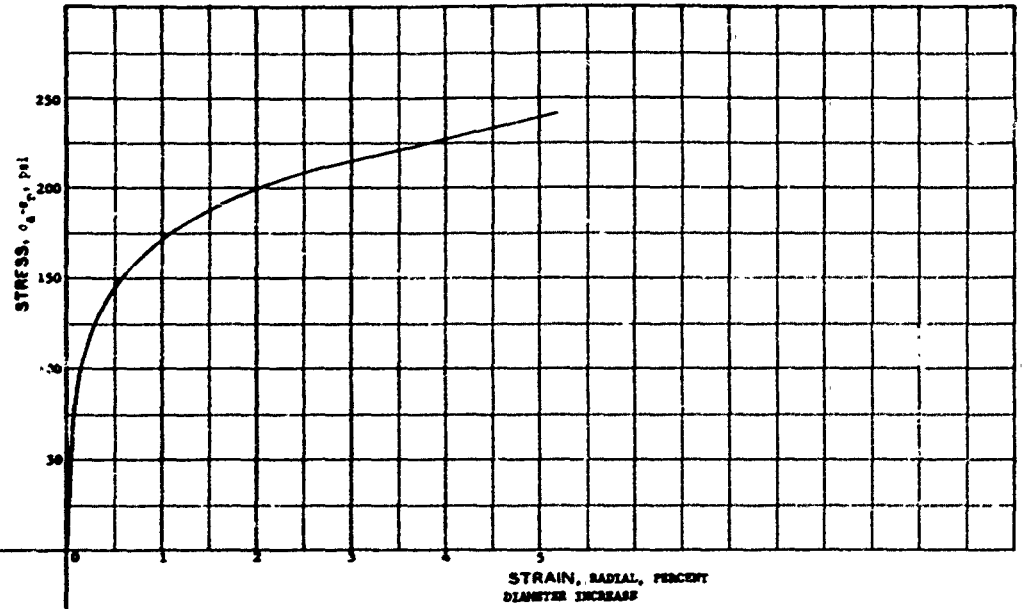
HYDROSTATIC COMPRESSION PHASE



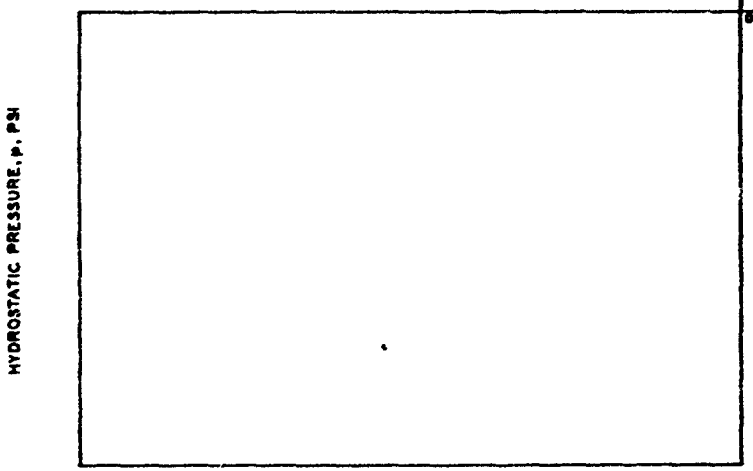
PROJECT	Ga Tech B-602;		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	200
DEPTH			
EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay		

WATER CONTENT	w	12.66	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	42.99	%
DRY DENSITY	γ_d	93.85	PCF
WET DENSITY	γ	105.73	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.58	CM



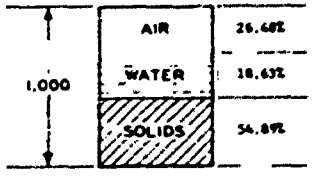


HYDROSTATIC COMPRESSION PHASE

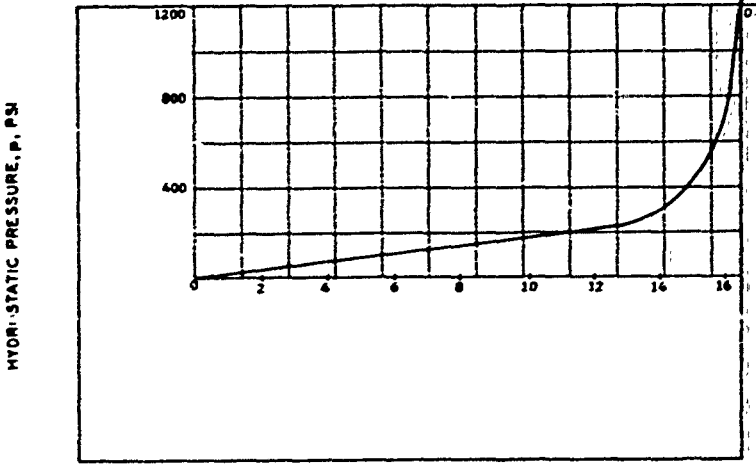


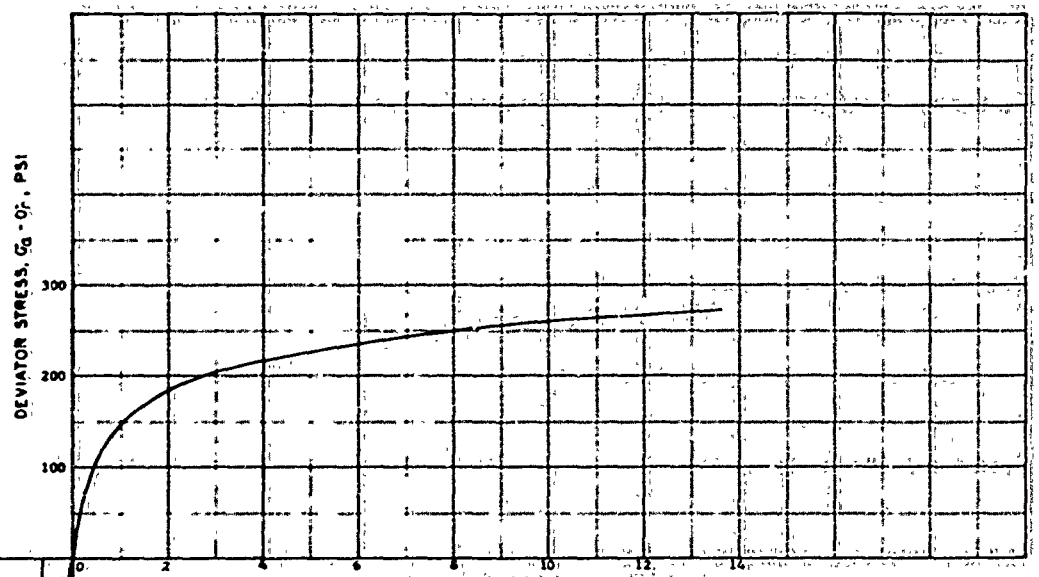
PROJECT	Ga Tech B-602;	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 200
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Mill Clay	

WATER CONTENT	w	12.57	%
VOID RATIO	e_0	0.82	
SATURATION	S_0	41.30	%
DRY DENSITY	γ_d	92.68	PCF
WET DENSITY	γ	104.21	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.60	CM



HYDROSTATIC COMPRESSION PHASE

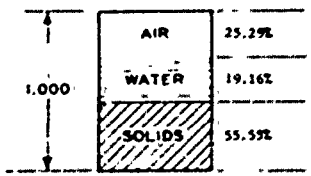




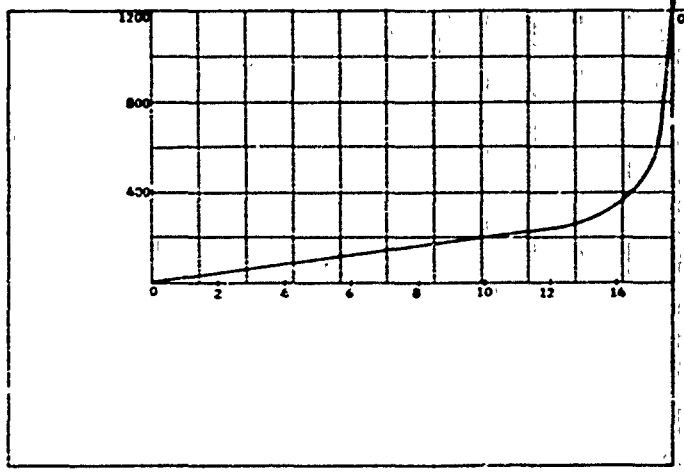
TRIAXIAL SHEAR PHASE

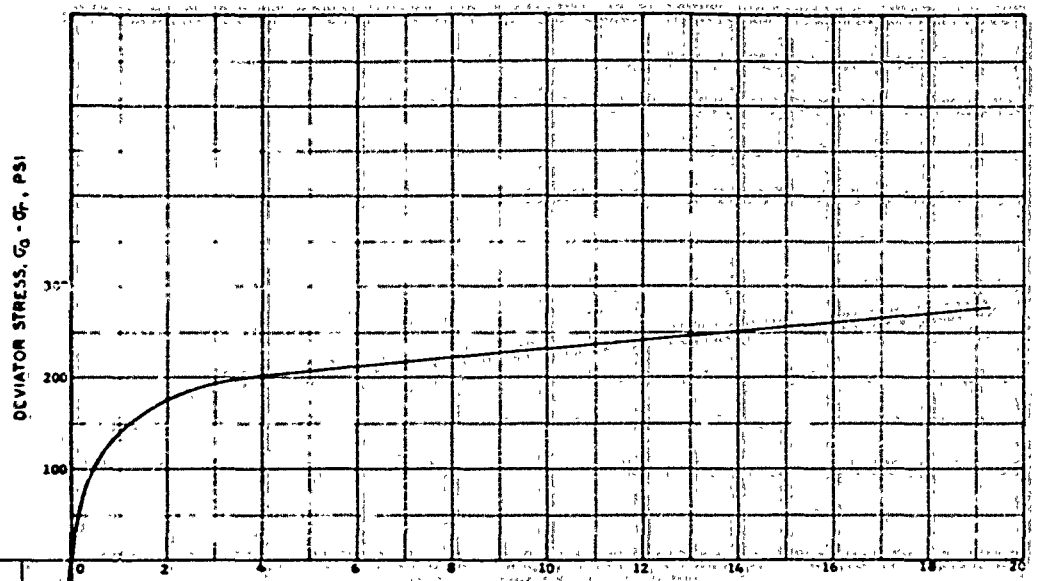
PROJECT: Ga Tech B-602;		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 201	
DEPTH EL	DATE	
LL 36	PL 17	PI 19
DESCRIPTION: Matching Hill Clay		

WATER CONTENT	w	12.77	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	43.10	%
DRY DENSITY	γ_d	93.59	PCF
WET DENSITY	γ	105.55	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.62	CM



HYDROSTATIC COMPRESSION PHASE

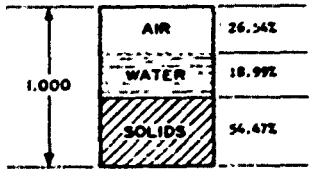




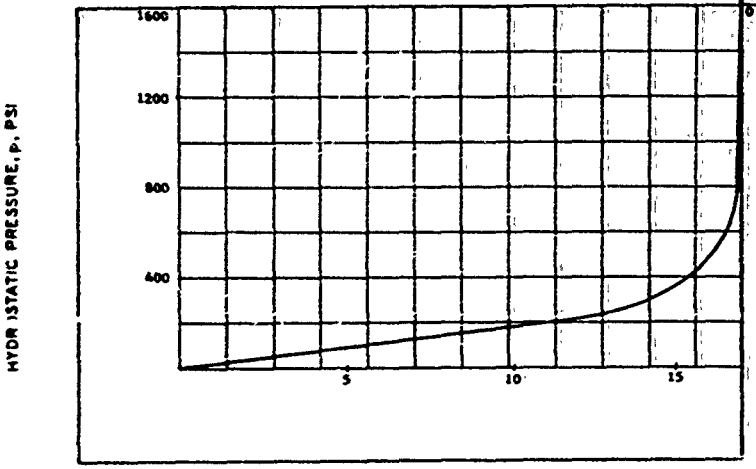
TRIAXIAL SHEAR PHASE

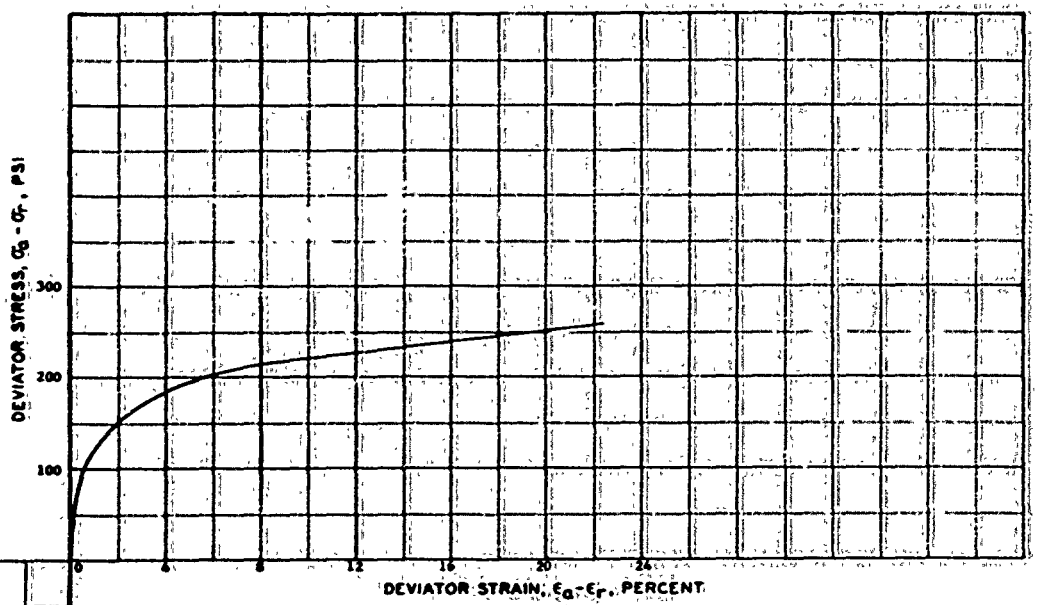
PROJECT: Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA:		
BORING NO:	SAMPLE NO: 209	
DEPTH ft:	DATE:	
LL 36	PL 17	PI 19
DESCRIPTION: Watching Hill Clay		

WATER CONTENT	w	12.91	%
VOID RATIO	e_0	0.84	
SATURATION	S_0	41.72	%
DRY DENSITY	γ_d	91.77	PCF
WET DENSITY	γ	103.62	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.60	CM



HYDROSTATIC COMPRESSION PHASE

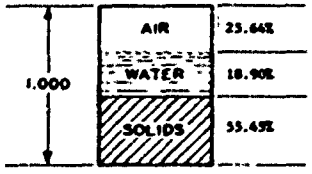




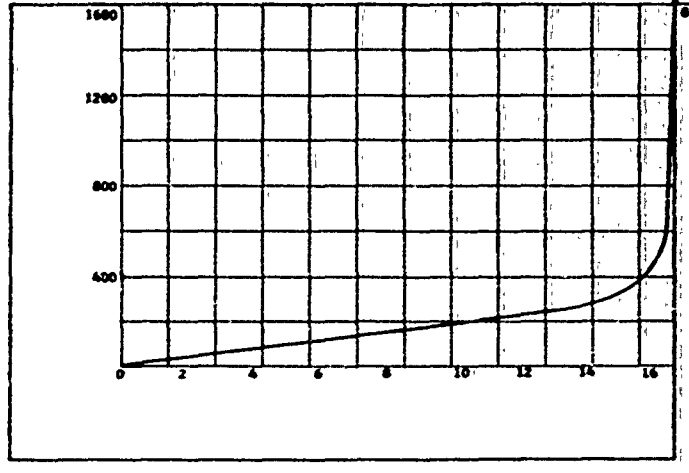
TRIAXIAL SHEAR PHASE

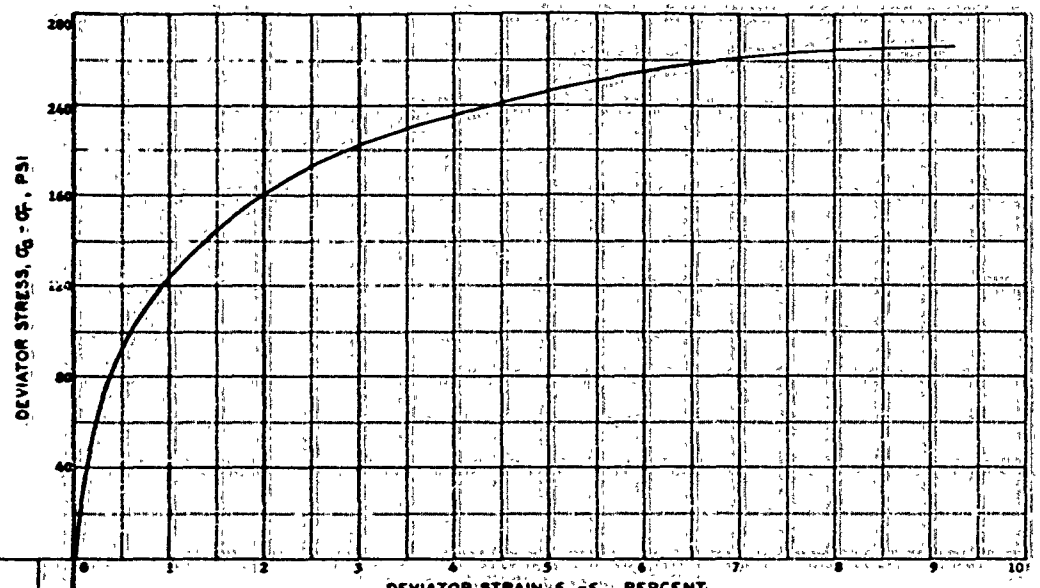
PROJECT: Ga Tech B-602			
Contract No. DACA32-67-C-0051			
AREA:			
BORING NO:		SAMPLE NO: (204)	
DEPTH EL:		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION: Watching Hill Clay			

WATER CONTENT	w	12.63	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	42.43	%
DRY DENSITY	γ_d	93.42	PCF
WET DENSITY	γ	105.22	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.63	CM



HYDROSTATIC COMPRESSION PHASE

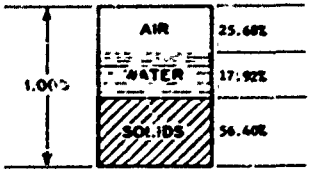




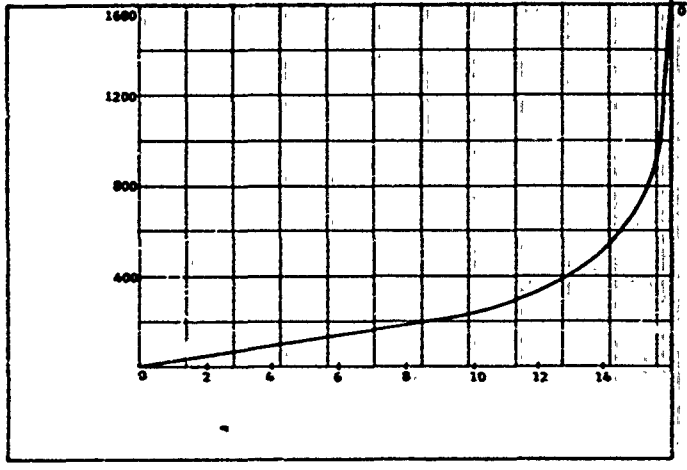
TRIAXIAL SHEAR PHASE

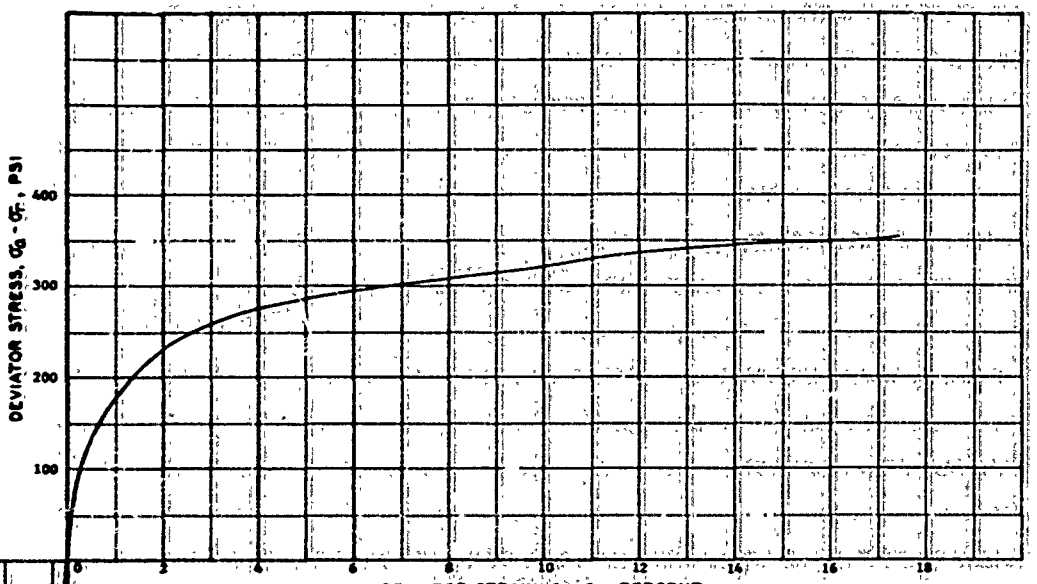
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0031		
AREA:		
BORING NO.	SAMPLE NO. 249	
DEPTH EL.	DATE:	
LL 36	PL 17	PI 19
DESCRIPTION: Matching Hill Clay		

WATER CONTENT	w	11.77	%
VOID RATIO	e_0	0.77	
SATURATION	S_0	41.11	%
DRY DENSITY	γ_d	95.03	PCF
WET DENSITY	γ	106.21	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.47	CM
SPECIMEN HEIGHT	H_0	7.63	CM



HYDROSTATIC COMPRESSION PHASE

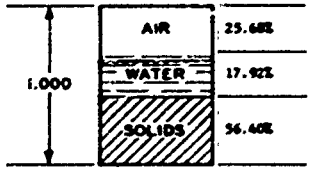


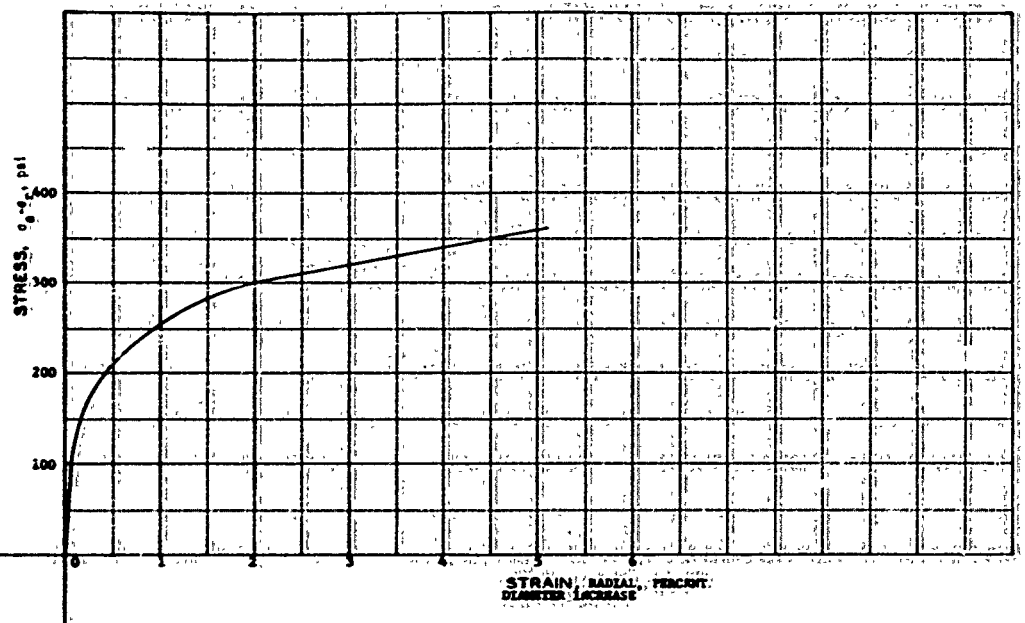


TRIAXIAL SHEAR PHASE

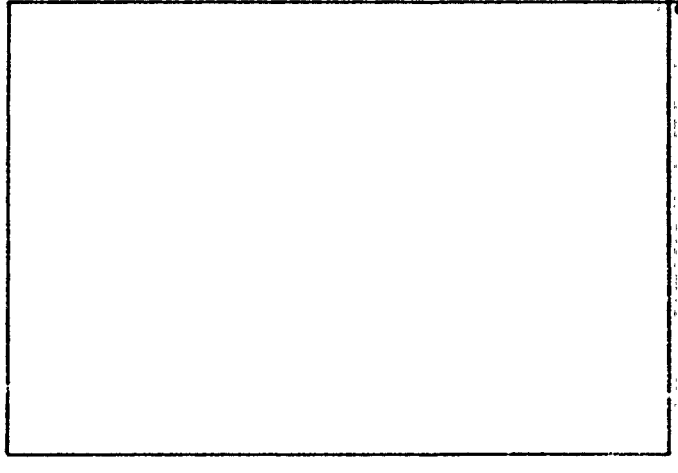
PROJECT: Ga Tech B-602;			
Contract No. DACA39-67-C-0051			
AREA:			
BORING NO.		SAMPLE NO. 250	
DEPTH EL:		DATE:	
LL 36	PL 17	PI 19	
DESCRIPTION: Maching Hill Clay			

WATER CONTENT	w	11.77	%
VOID RATIO	e_0	0.77	
SATURATION	S_0	41.11	%
DRY DENSITY	γ_d	95.03	PCF
WET DENSITY	γ	106.21	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.47	CM
SPECIMEN HEIGHT	H_0	7.63	CM



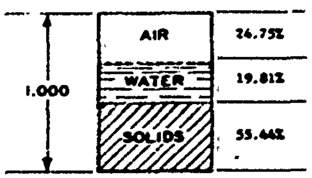


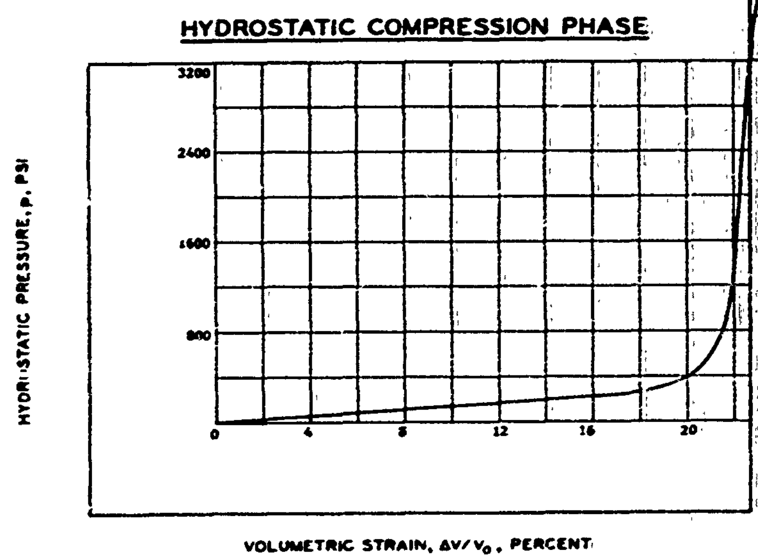
HYDROSTATIC COMPRESSION PHASE

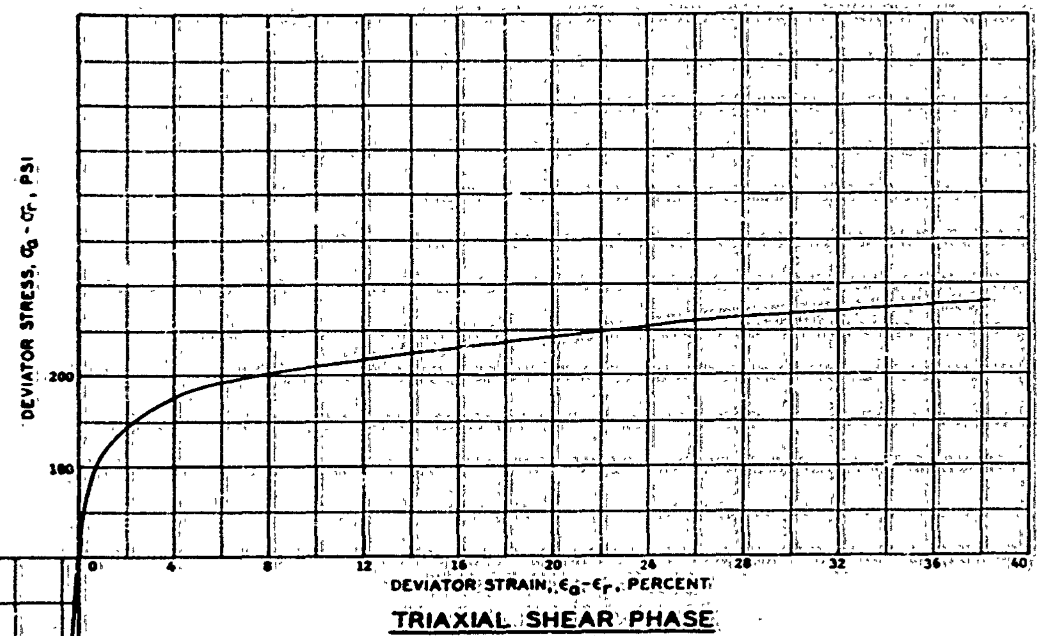


PROJECT: Ca Tech B-602; Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 250
DEPTH EL.		DATE
LL 36	PL 17	PI 19
DESCRIPTION: Watching Hill Clay		

WATER CONTENT	w	13.26	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	44.47	%
DRY DENSITY	γ_d	93.40	PCF
WET DENSITY	γ	105.76	PCF
SPECIFIC GRAVITY	G_s	2.7[illegible]	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.60	CM

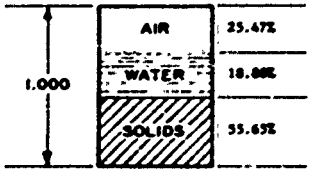




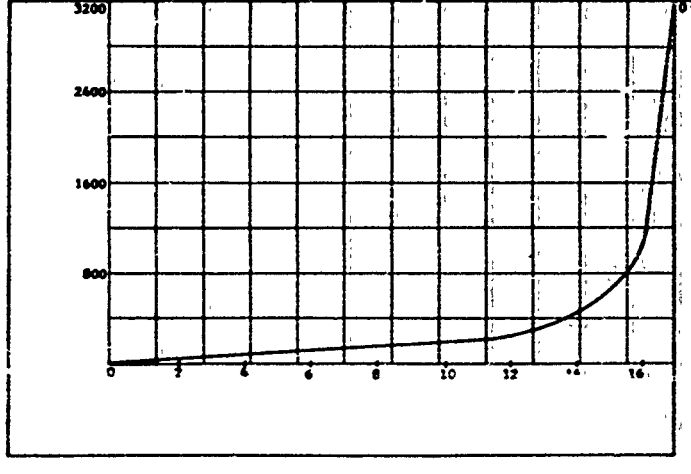


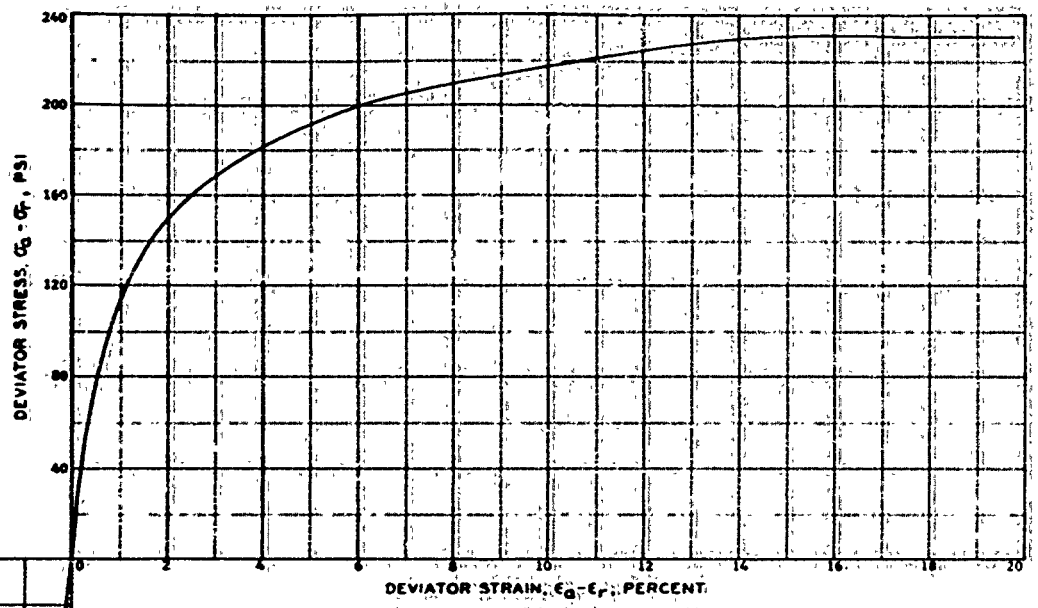
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 206	
DEPTH / EL	DATE	
LL 36	PL 17	PI 19
DESCRIPTION: Watching Hill Clay		

WATER CONTENT	w	12.57	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	42.56	%
DRY DENSITY	γ_d	93.76	PCF
WET DENSITY	γ	105.55	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.63	CM



HYDROSTATIC COMPRESSION PHASE

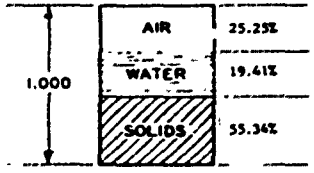


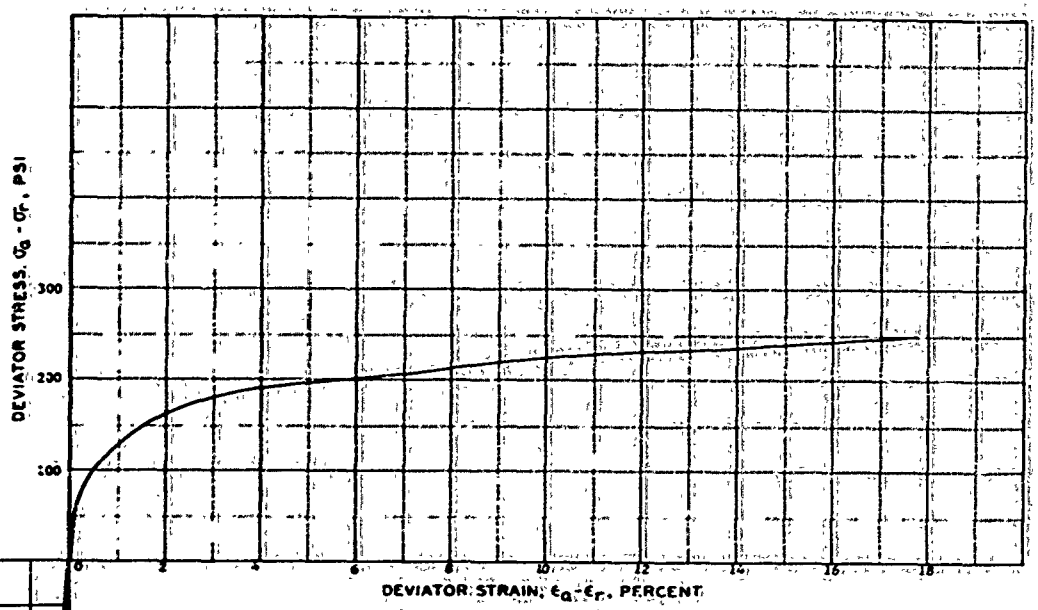


TRIAXIAL SHEAR PHASE

PROJECT	Ga Tech B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	251
DEPTH			
EL.		DATE	
LL	36	PL	17
PI	19		
DESCRIPTION	Hatching Mill Clay		

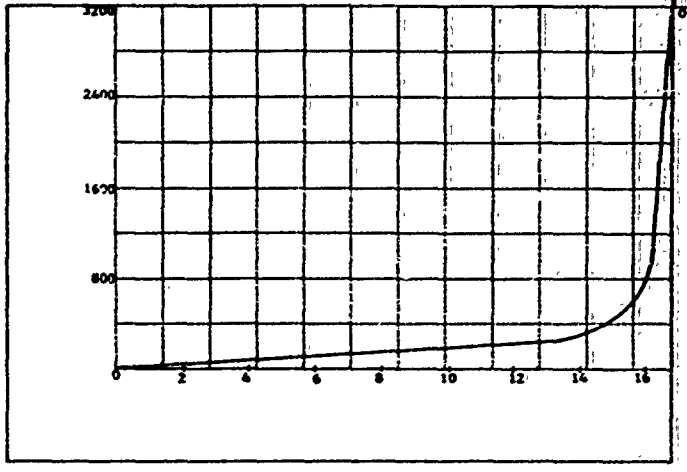
WATER CONTENT	w	12.99	%
VOID RATIO	e_0	0.81	
SATURATION	S_0	43.46	%
DRY DENSITY	γ_d	93.23	PCF
WET DENSITY	γ	105.3[illegible]	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.63	CM





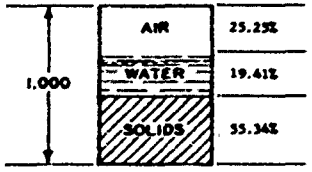
TRIAXIAL SHEAR PHASE

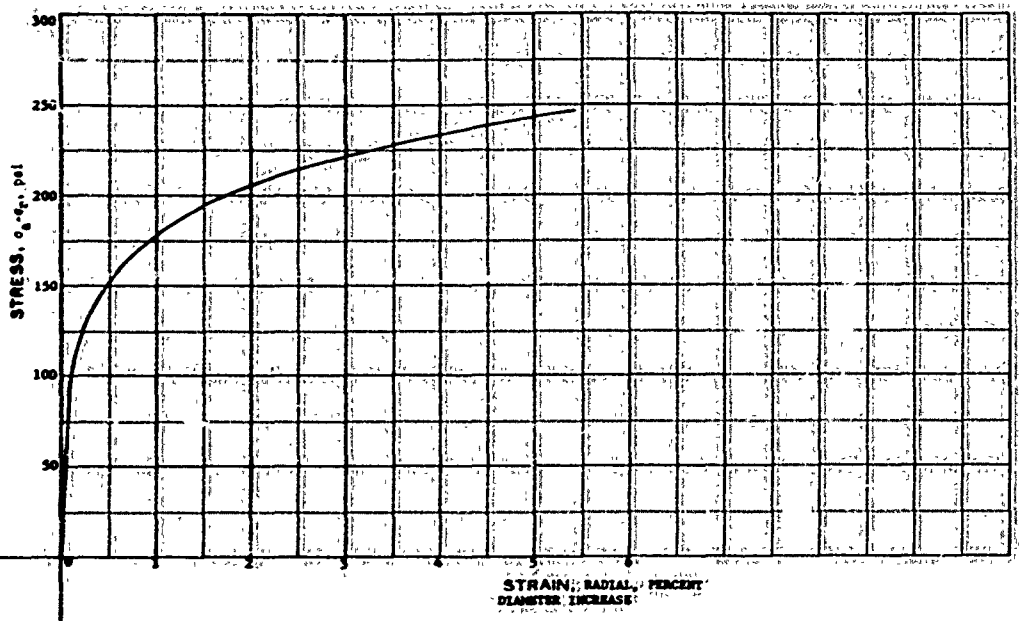
HYDROSTATIC COMPRESSION PHASE



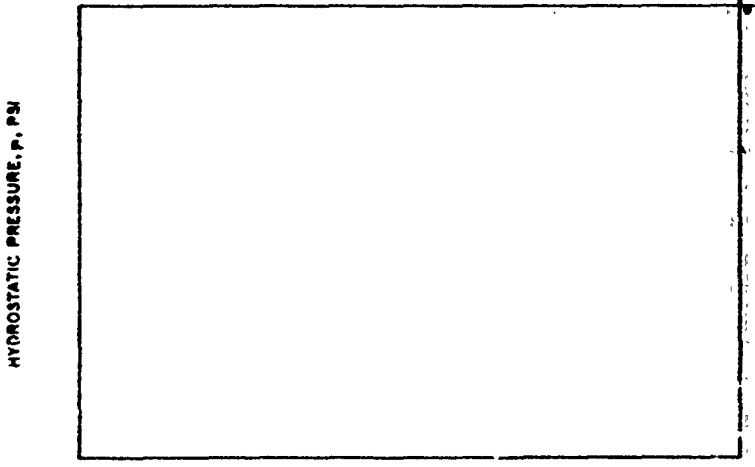
PROJECT:	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA:			
BORING NO.:		SAMPLE NO.:	253
DEPTH:			
EL.:		DATE:	
LL:	36	PL: 17	PI: 19
DESCRIPTION:	Vetching Hill Clay		

WATER CONTENT	w	12.99	%
VOID RATIO	e_0	0.81	
SATURATION	S_0	43.46	%
DRY DENSITY	γ_d	93.23	PCF
WET DENSITY	γ	105.35	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.63	CM



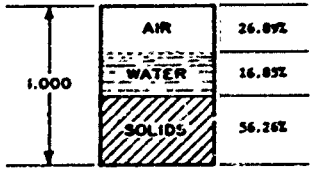


HYDROSTATIC COMPRESSION PHASE

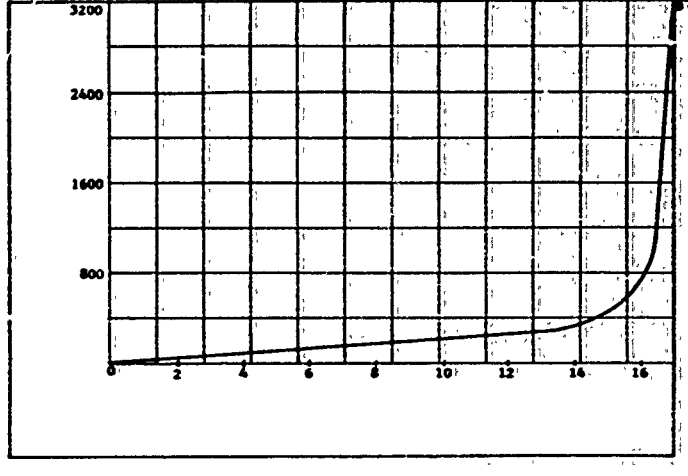


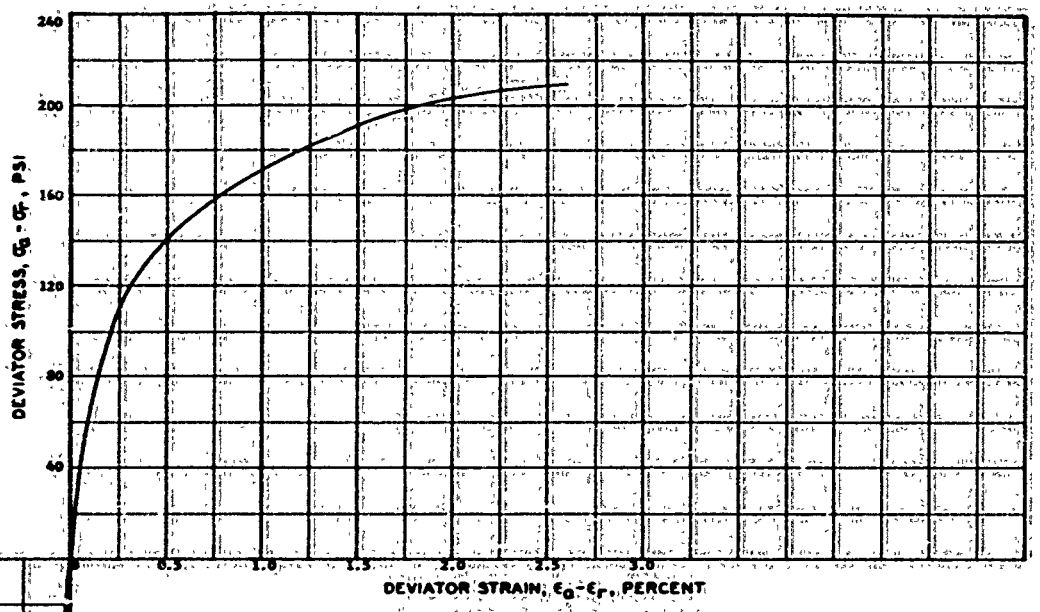
PROJECT: Ga.Tech B-602; Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO: 253
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION: Watching Hill Clay		

WATER CONTENT	w	11.09	%
VOID RATIO	e_0	0.78	
SATURATION	S_0	38.52	%
DRY DENSITY	γ_d	94.79	PCF
WET DENSITY	γ	105.31	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.63	CM



HYDROSTATIC COMPRESSION PHASE

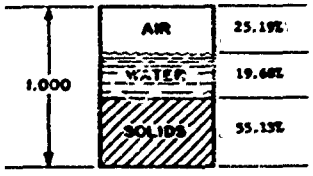




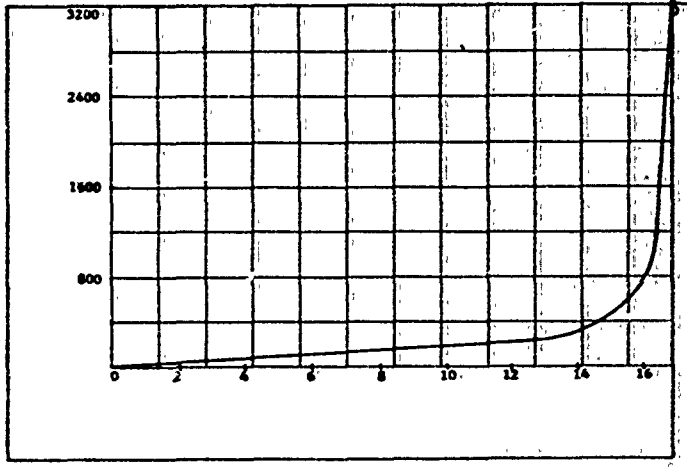
TRIAXIAL SHEAR PHASE

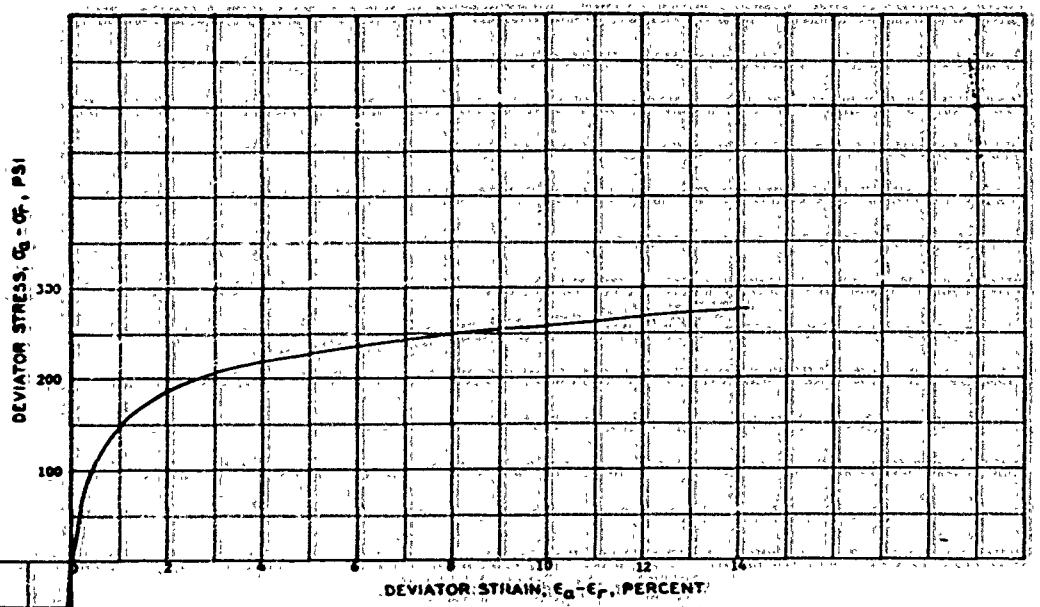
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	268
DEPTH EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Macching Hill Clay		

WATER CONTENT	w	13.22	%
VOID RATIO	e_0	0.81	
SATURATION	S_0	43.86	%
DRY DENSITY	γ_d	92.89	PCF
WET DENSITY	γ	105.16	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.63	CM



HYDROSTATIC COMPRESSION PHASE

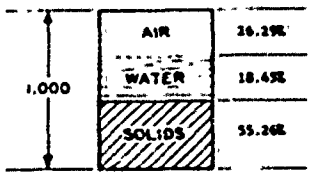




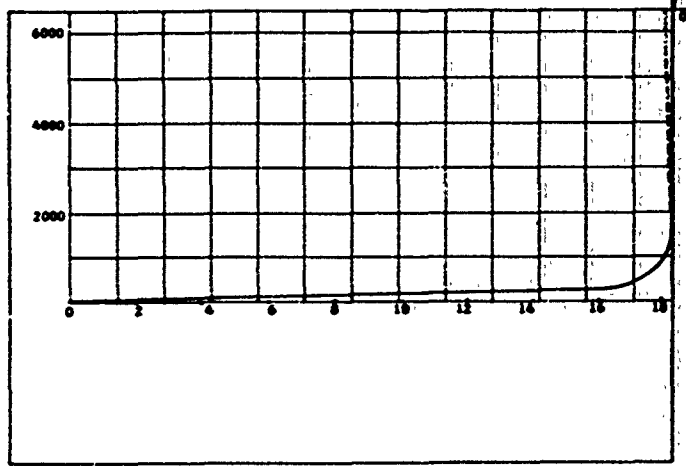
TRIAXIAL SHEAR PHASE

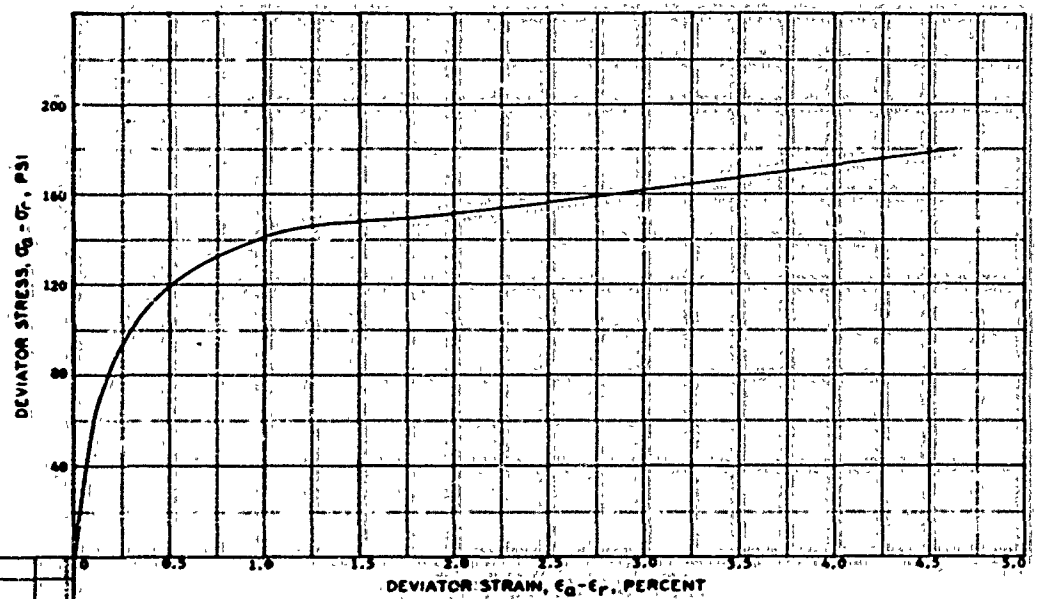
PROJECT: Ga Tech B-602		
Contract No. DACA39-67-C-0051		
AREA:		
BORING NO:		SAMPLE NO: 341
DEPTH: EL:		DATE:
LL 36	PL 17	PI 19
DESCRIPTION: Matching Rill Clay		

WATER CONTENT	w	12.37 %
VOID RATIO	e_0	0.81
SATURATION	S_0	41.25 %
DRY DENSITY	γ_d	93.11 PCF
WET DENSITY	γ	104.62 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.62 CM



HYDROSTATIC COMPRESSION PHASE

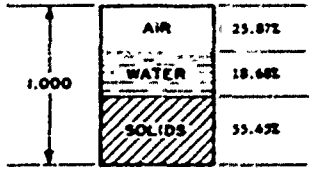




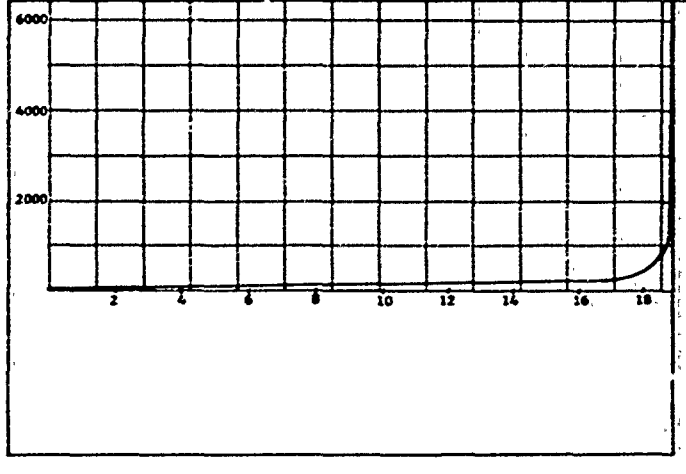
TRIAXIAL SHEAR PHASE

PROJECT Ga Tech B-402;
Contract No. DACA39-67-C-0051
AREA
BORING NO. | SAMPLE NO. 326
DEPTH
EL | DATE
LL 36 | PL 17 | PI 19
DESCRIPTION Matching Hill Clay
Triaxial Test
Lateral Pressure, 6400 psi

WATER CONTENT	w	12.48	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.93	%
DRY DENSITY	γ_d	93.62	PCF
WET DENSITY	γ	105.08	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.62	CM

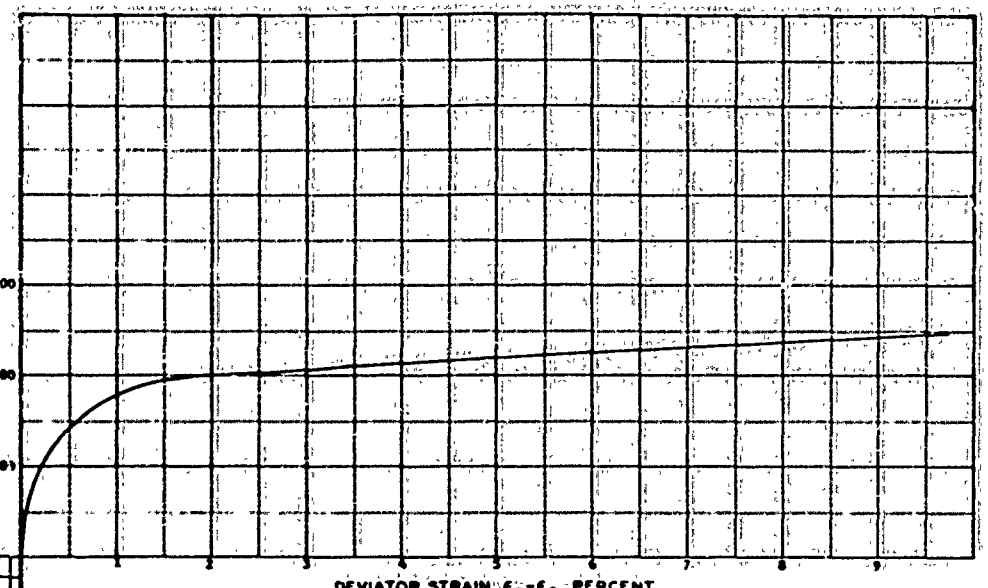


HYDROSTATIC COMPRESSION PHASE



HYDROSTATIC PRESSURE, p, PSI

VOLUMETRIC STRAIN, $\Delta V/V_0$, PERCENT

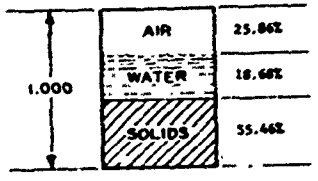


DEVIATOR STRAIN, $\epsilon_a - \epsilon_r$, PERCENT

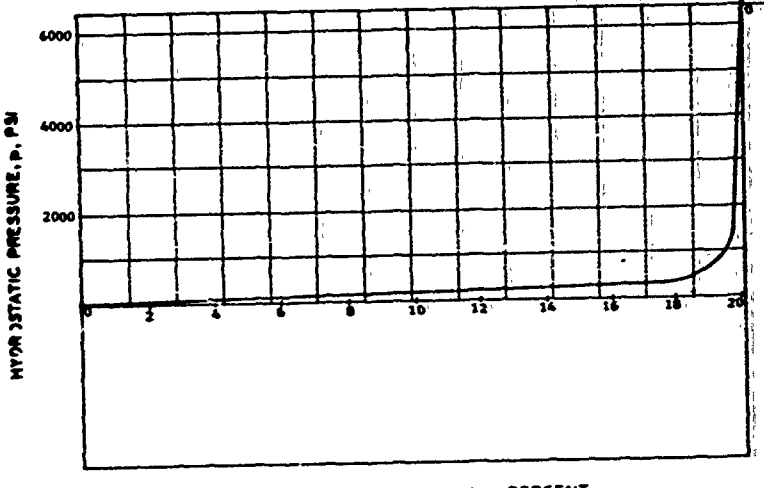
TRIAXIAL SHEAR PHASE

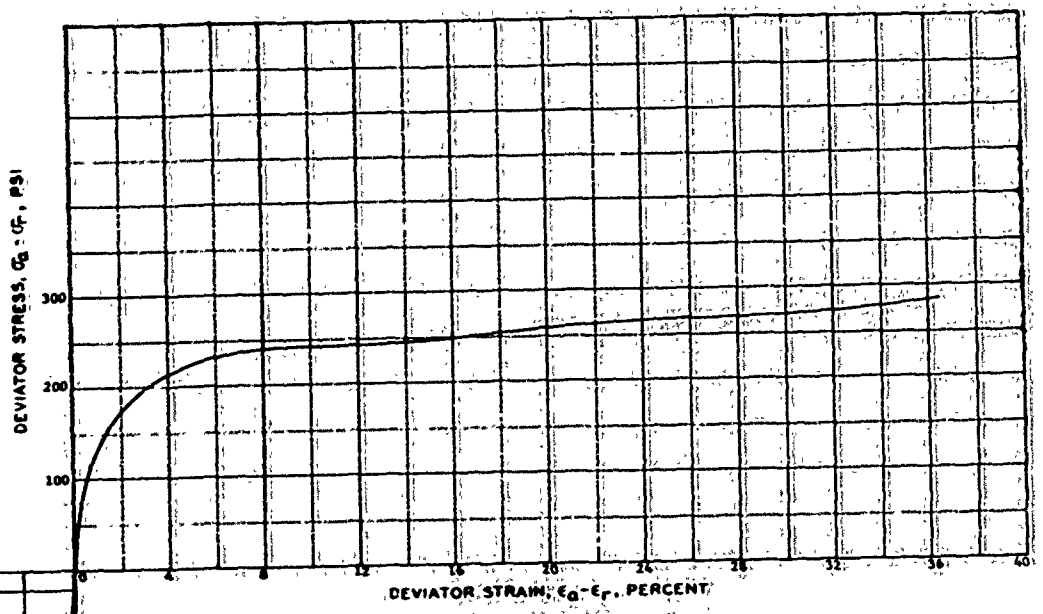
PROJECT: Ga Tech B-602; Contract No: DACA39-67-C-0051		
AREA		
BORING NO:		SAMPLE NO: 332
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION: Matching Hill Clay		

WATER CONTENT	w	12.47	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.94	%
DRY DENSITY	γ_d	93.44	PCF
WET DENSITY	γ	105.10	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.62	CM



HYDROSTATIC COMPRESSION PHASE



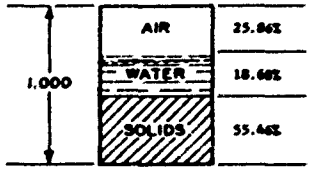


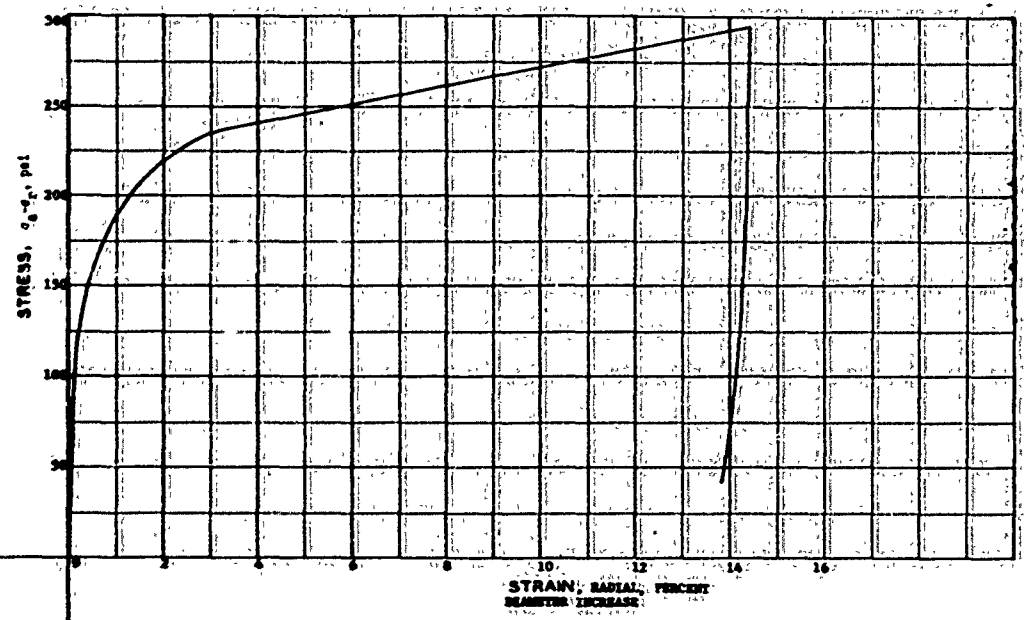
TRIAXIAL SHEAR PHASE

PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	336
DEPTH EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Matching Hill Clay		

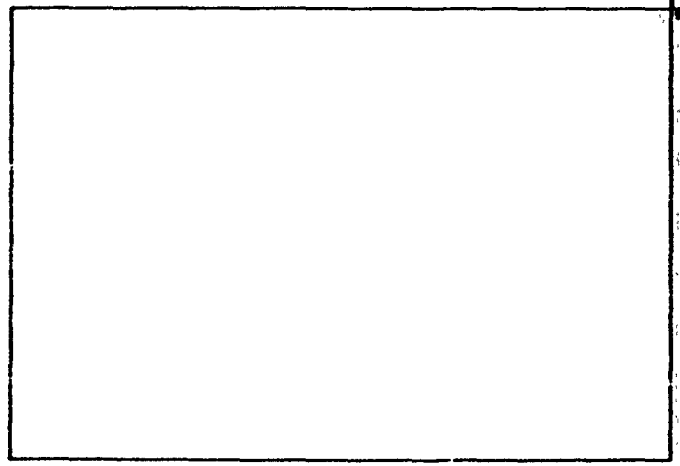
207

WATER CONTENT	w	12.47	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.94	%
DRY DENSITY	γ_d	93.44	PCF
WET DENSITY	γ	105.10	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	5.49	CM
SPECIMEN HEIGHT	H_0	7.62	CM



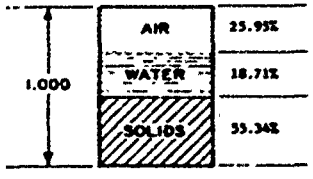


HYDROSTATIC COMPRESSION PHASE

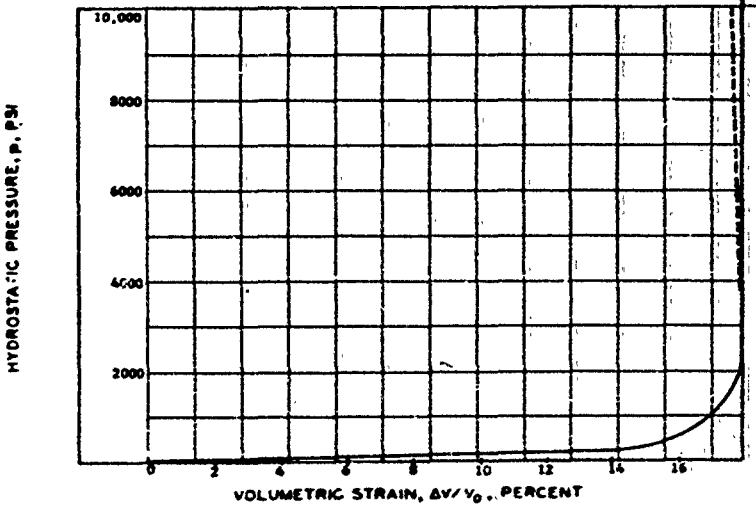


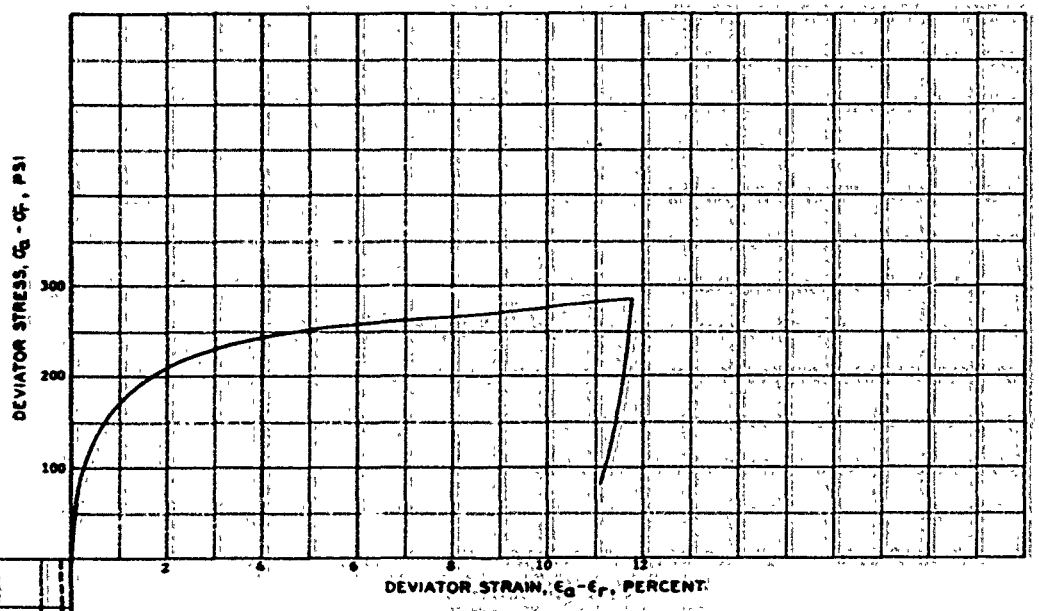
PROJECT	Ga Tech B-602;	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 336
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Notching Hill Clay	

WATER CONTENT	w	12.32	%
VOID RATIO	e_0	0.81	
SATURATION	S_0	41.90	%
DRY DENSITY	γ_d	93.25	PCF
WET DENSITY	γ	104.92	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.63	CM



HYDROSTATIC COMPRESSION PHASE

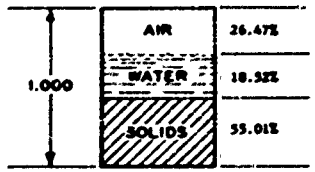




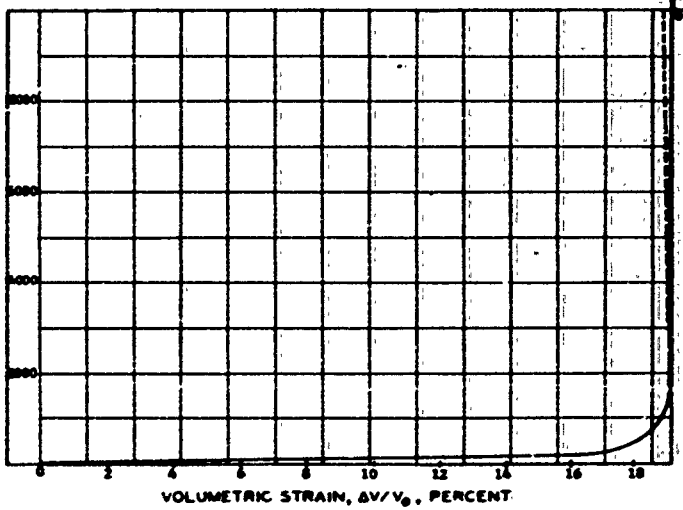
TRIAXIAL SHEAR PHASE

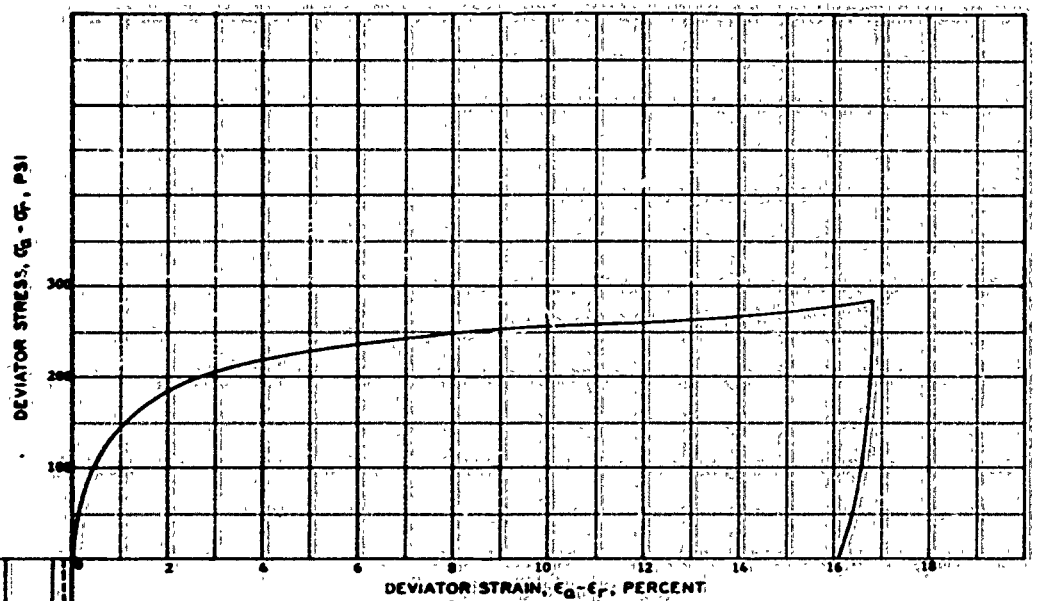
PROJECT: Ga. Tech B-602;		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 286	
DEPTH		
EL.	DATE	
LL 36	PL 17	PI 19
DESCRIPTION: Matching Hill Clay		

WATER CONTENT	w	12.47	%
VOID RATIO	e_0	0.82	
SATURATION	S_0	41.17	%
DRY DENSITY	γ_d	92.68	PCF
WET DENSITY	γ	104.24	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.62	CM



HYDROSTATIC COMPRESSION PHASE

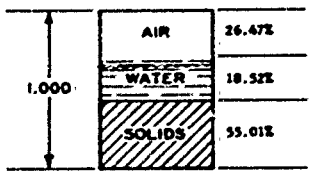


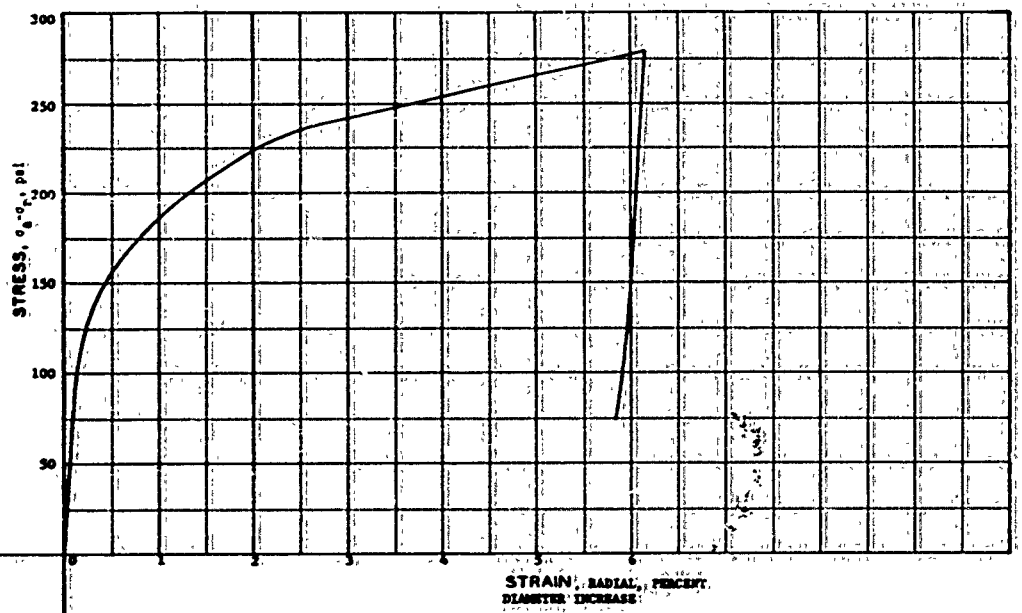


TRIAXIAL SHEAR PHASE

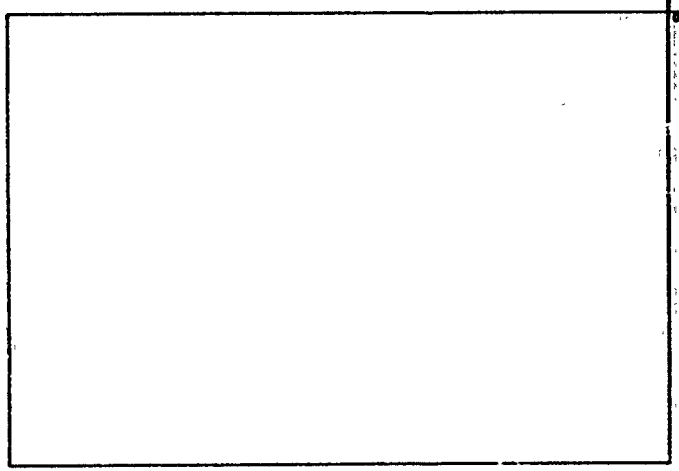
PROJECT	Ga Tech B-602; Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	335
DEPTH EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay		

WATER CONTENT	w	12.47	%
VOID RATIO	e_0	0.82	
SATURATION	S_0	41.17	%
DRY DENSITY	γ_d	92.68	PCF
WET DENSITY	γ	104.24	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.42	CM





HYDROSTATIC COMPRESSION PHASE



PROJECT: Ga. Tech B-602;		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 335	
DEPTH: EL:	DATE	
LL 36	PL 17	PI 19
DESCRIPTION: Watching Hill Clay		

Group B

Triaxial Tests, Cyclic

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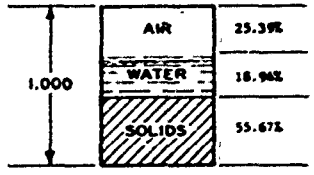
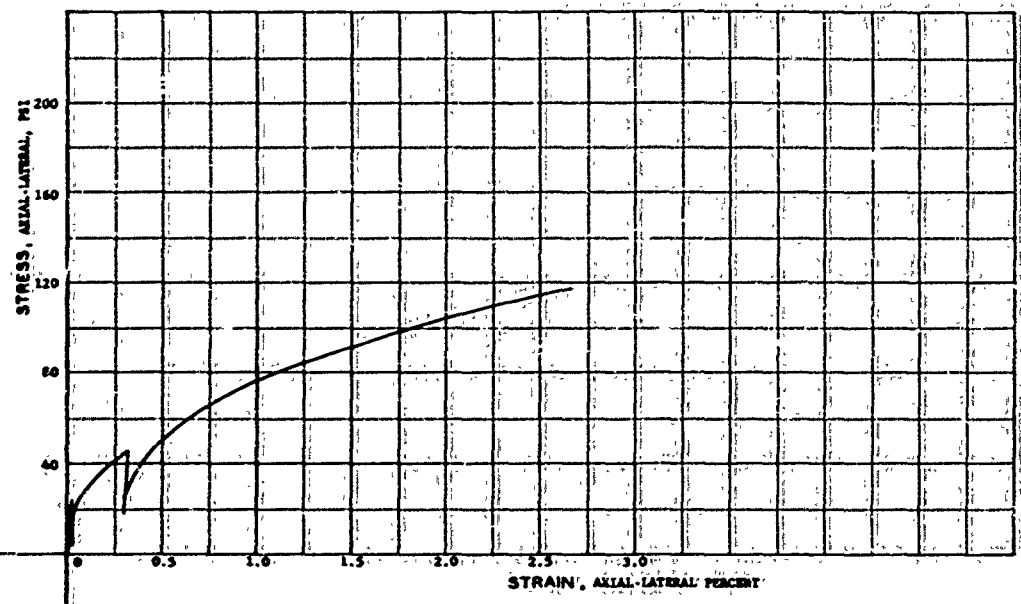
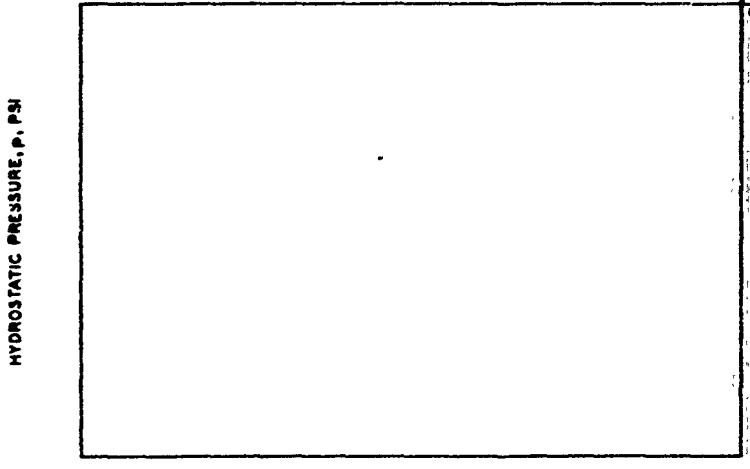
WATER CONTENT	w	12.60	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	42.73	%
DRY DENSITY	γ_d	93.79	PCF
WET DENSITY	γ	105.61	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.60	CM



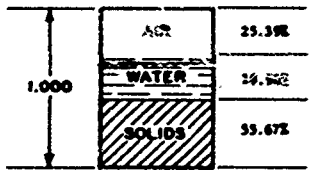


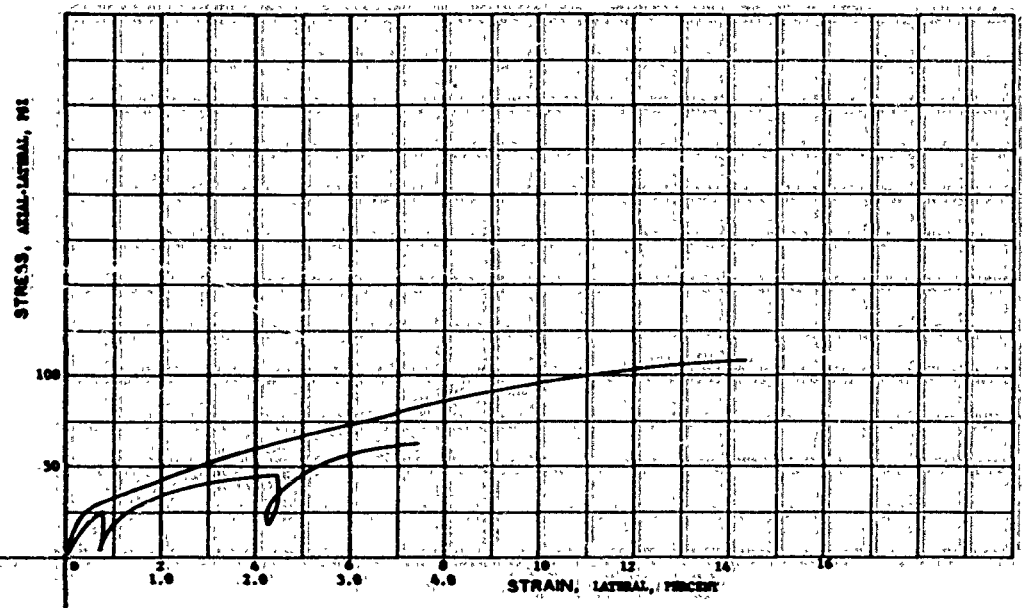
HYDROSTATIC COMPRESSION PHASE



PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 319	
DEPTH EL	DATE	
LL 36	PL 17	PI 19
DESCRIPTION: Watching Hill Clay		
Triaxial, Cycle @ 35% and 75%		
Lateral Pressure, 100 psi		

WATER CONTENT	w	12.60	%
VOID RATIO	e_0	0.86	
SATURATION	S_0	42.73	%
DRY DENSITY	γ_d	98.79	PCF
WET DENSITY	γ	107.61	PCF
SPECIFIC GRAVITY	G_s	2.78	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.68	CM





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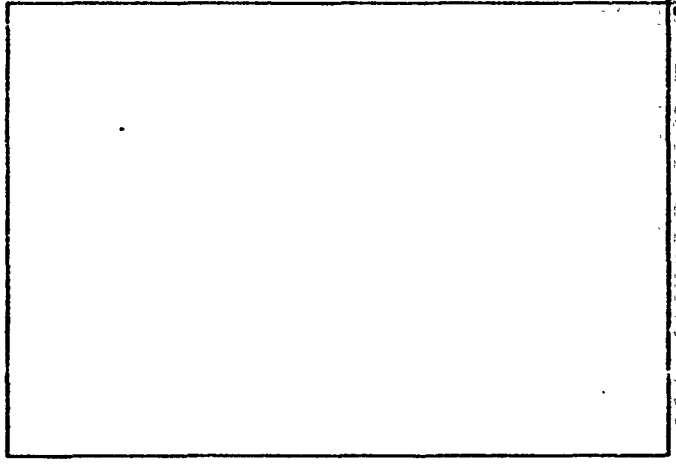
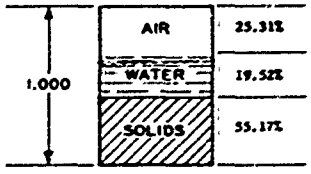
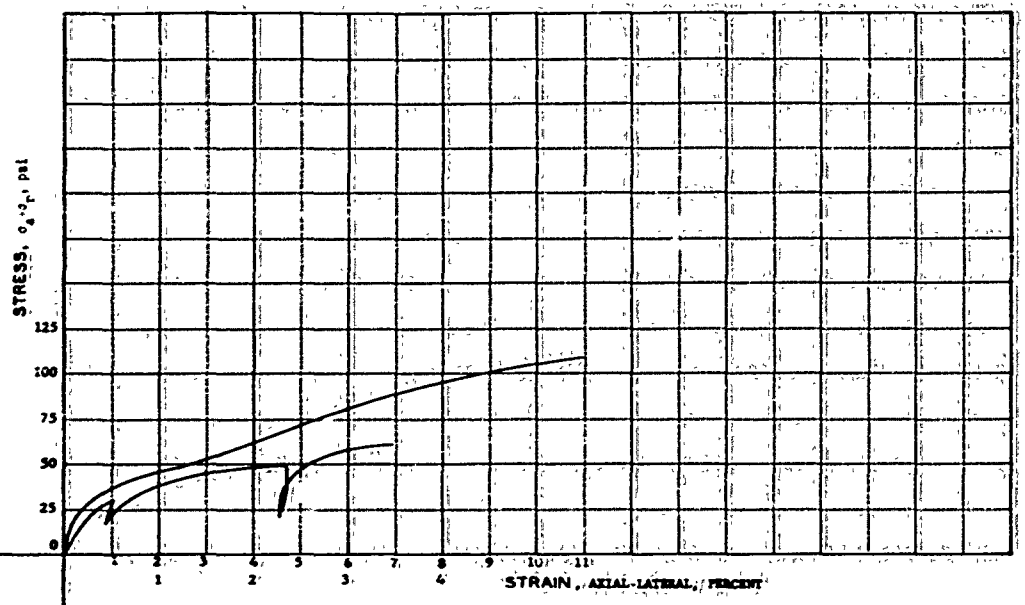


PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 319	
DEPTH EL	DATE	
LL 36	PL 17	PI 19
DESCRIPTION Watchung Hill Clay		
Triaxial, Cycle @ 35% and 75%		
Lateral Pressure, 100 psi		

WATER CONTENT	w	13.10 %
VOID RATIO	e_o	0.81
SATURATION	S_o	43.56 %
DRY DENSITY	γ_d	92.95 PCF
WET DENSITY	γ	105.14 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_o	3.49 CM
SPECIMEN HEIGHT	H_o	7.62 CM





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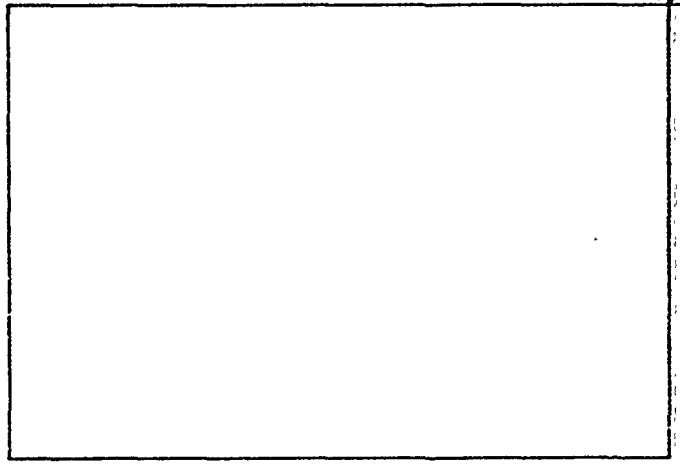
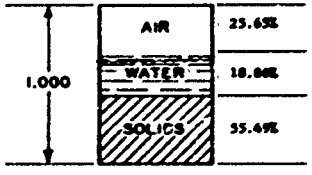
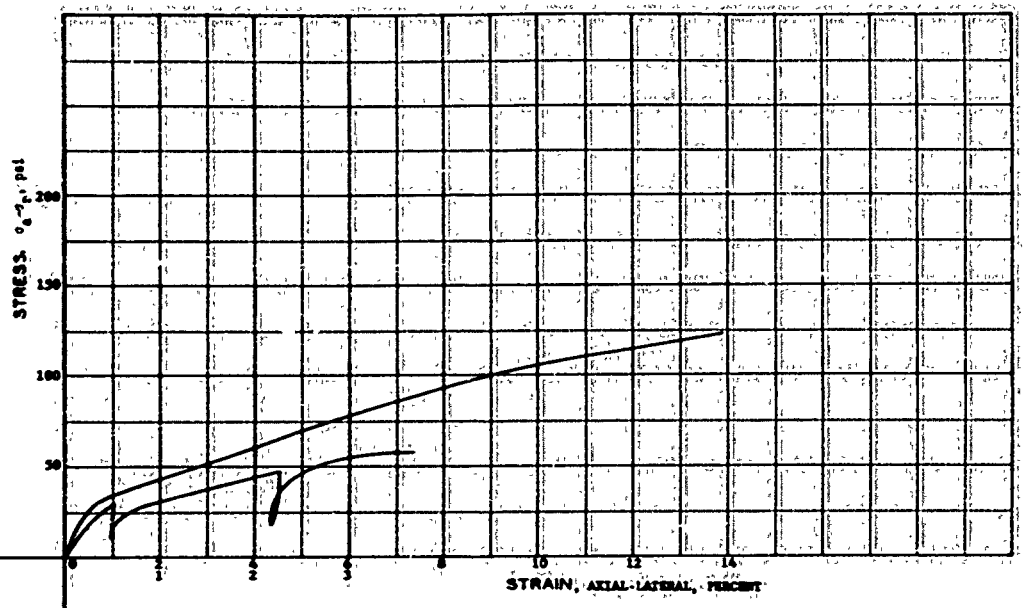


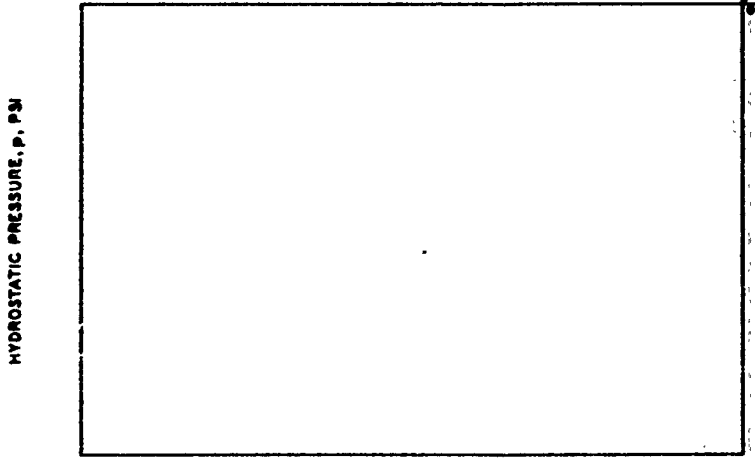
PROJECT: Georgia Institute of Technology B-602		
Contract No.: DACA39-67-C-0051		
AREA:		
BORING NO.		SAMPLE NO. 347
DEPTH, EL		DATE:
LL 36	PL 17	PI 19
DESCRIPTION: Matching Hill Clay		
Triaxial-Cycle Shear @ 35% and 75%		

WATER CONTENT	w	12.59	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	42.36	%
DRY DENSITY	γ_d	93.49	PCF
WET DENSITY	γ	105.26	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.63	CM



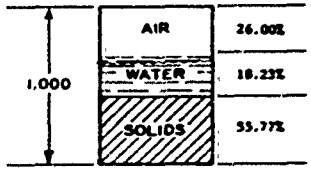


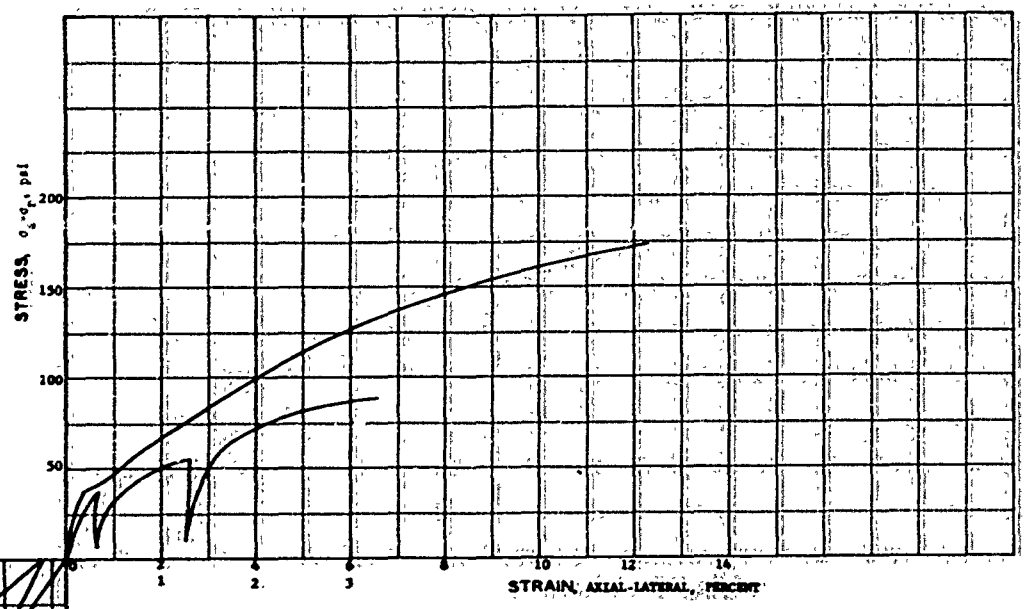
HYDROSTATIC COMPRESSION PHASE



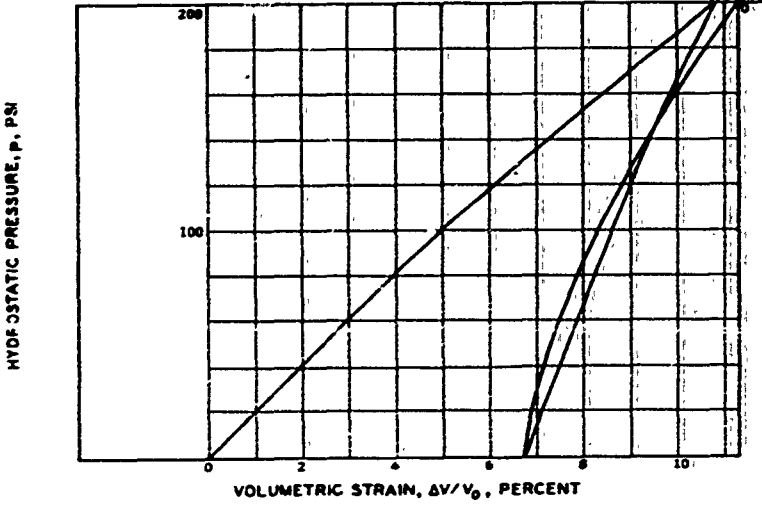
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA:		
BORING NO.:		SAMPLE NO.: 350
DEPTH: EL.		DATE:
LL: 36	PL: 17	PI: 19
DESCRIPTION: Watchung Hill Clay		
Triaxial-Cycle Shear @ 35% and 75%		

WATER CONTENT	w	12.11 %
VOID RATIO	e_o	0.79
SATURATION	S_o	41.23 %
DRY DENSITY	γ_d	93.96 PCF
WET DENSITY	γ	105.34 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_o	3.49 CM
SPECIMEN HEIGHT	H_o	7.63 CM



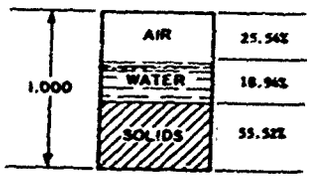


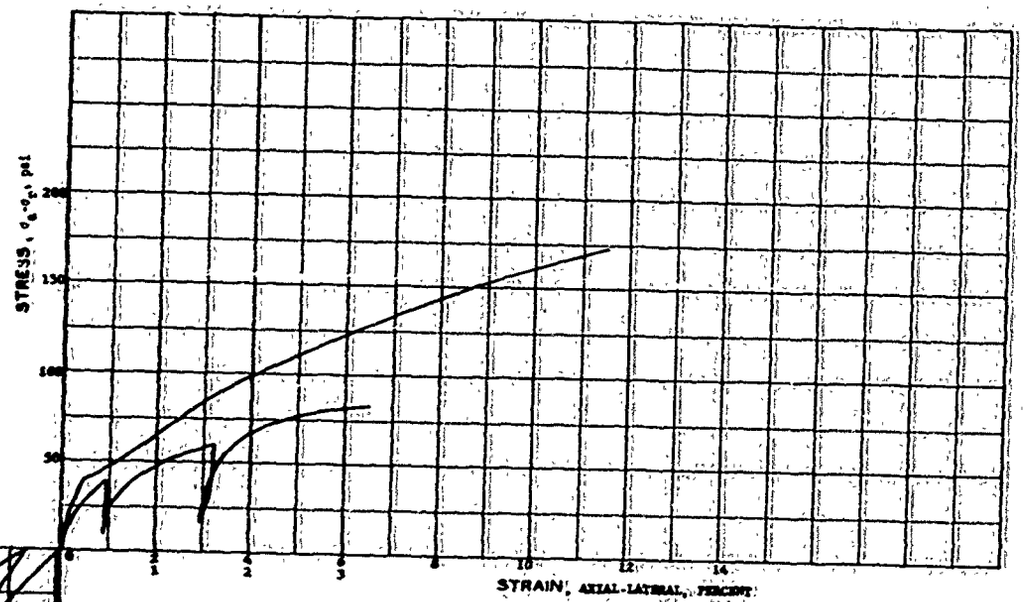
HYDROSTATIC COMPRESSION PHASE



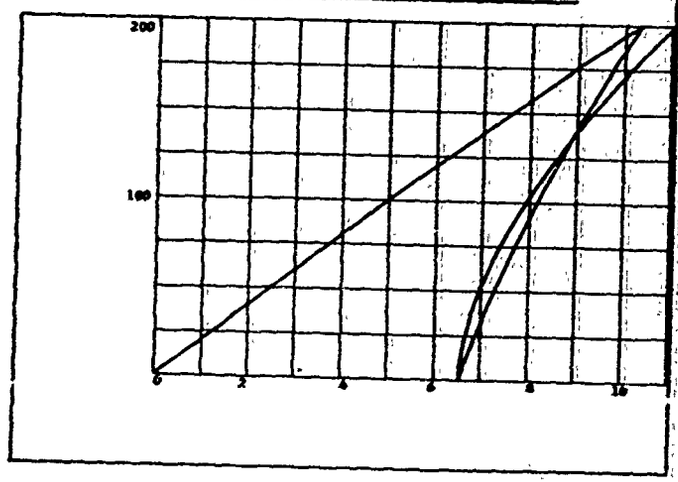
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA:		
BORING NO.:		SAMPLE NO.: 260
DEPTH: EL:		DATE:
LL: 36	PL: 17	PI: 19
DESCRIPTION: Watching Hill Clay		
Triaxial, Cycle Compression,		
Cycle Shear @ 33%		

WATER CONTENT	w	12.66 %
VOID RATIO	e_0	0.80
SATURATION	S_0	42.36 %
DRY DENSITY	γ_d	95.53 PCF
WET DENSITY	γ	105.35 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.62 CM



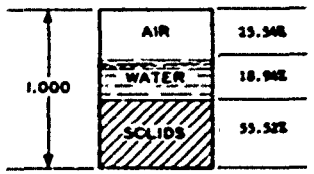


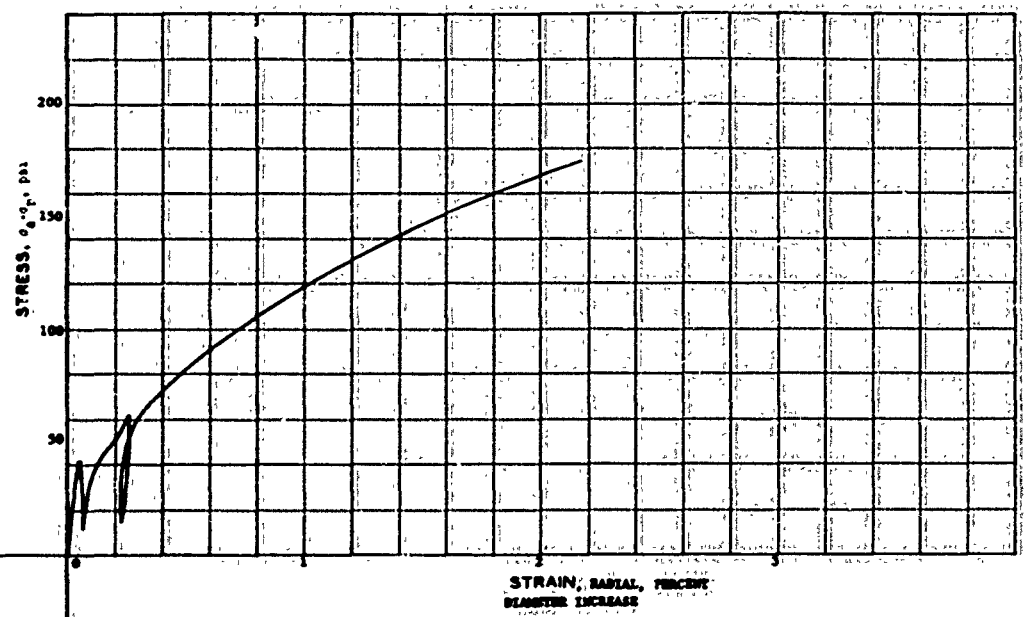
HYDROSTATIC COMPRESSION PHASE



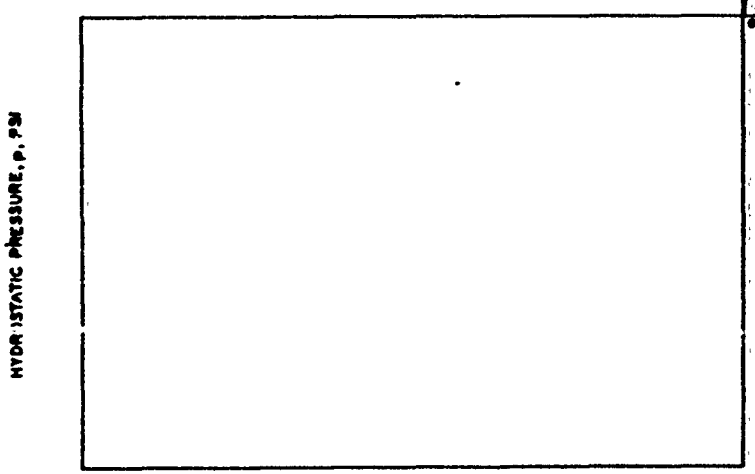
PROJECT: Georgia Institute of Technology E-502			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 263	
DEPTH / EL.		DATE	
LL 36	PL 17		PI 19
DESCRIPTION: Hutchings Mill Clay			
Triaxial-Cycle Compression, Cycle Shear @ 3%			

WATER CONTENT	w	12.64	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	42.58	%
DRY DENSITY	γ_d	93.53	PCF
WET DENSITY	γ	105.35	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.62	CM



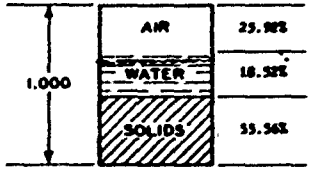


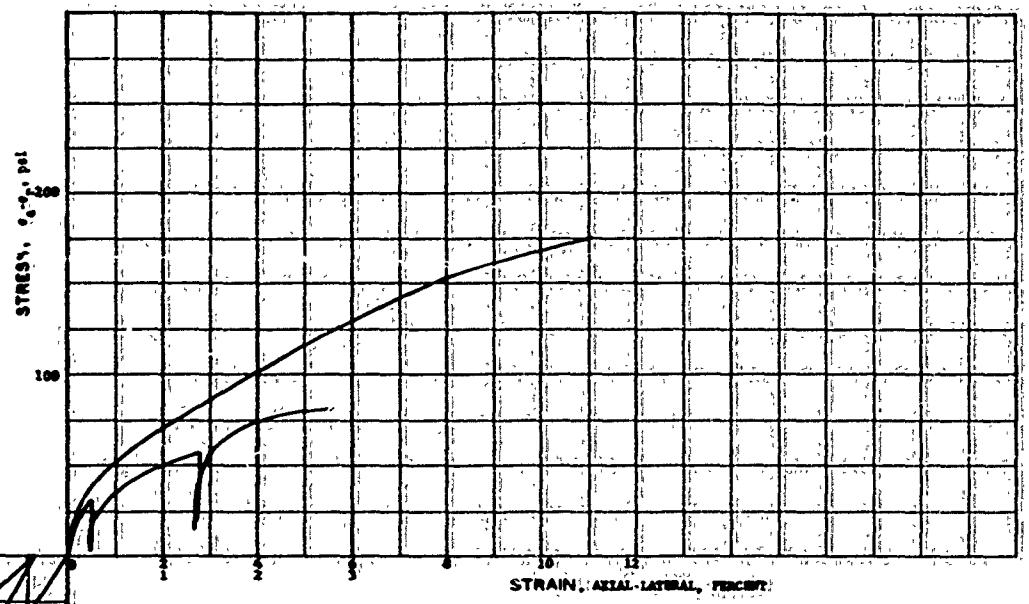
HYDROSTATIC COMPRESSION PHASE



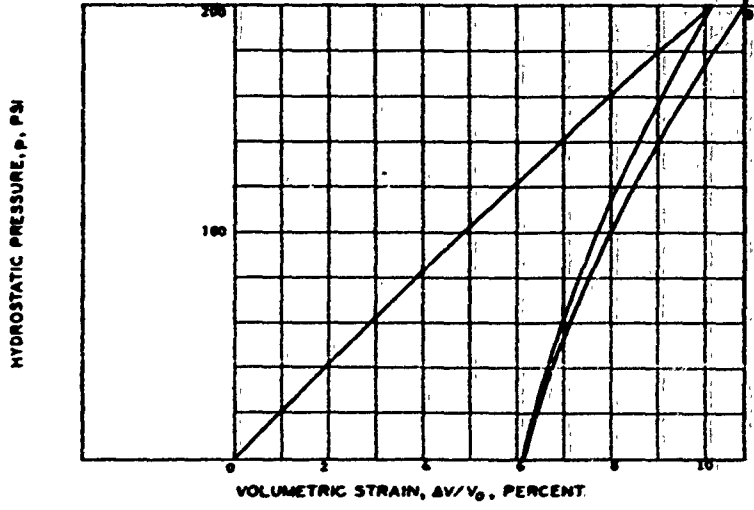
PROJECT: Georgia Institute of Technology B-402		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 263	
DEPTH, EL	DATE	
LL 36	PL 17	PI 19
DESCRIPTION Watchieg Hill Clay		
Triaxial-Cycle Shear @ 35%		

WATER CONTENT	w	12.34 %
VOID RATIO	e_0	0.80
SATURATION	S_0	41.66 %
DRY DENSITY	γ_d	93.61 PCF
WET DENSITY	γ	105.17 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.63 CM



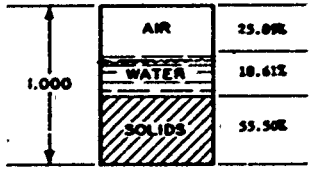


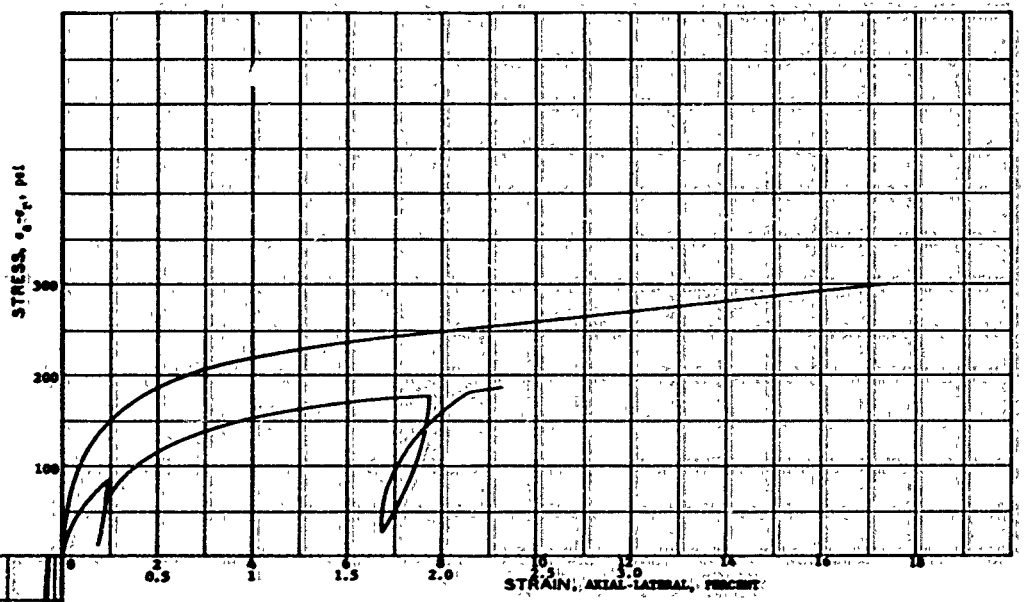
HYDROSTATIC COMPRESSION PHASE



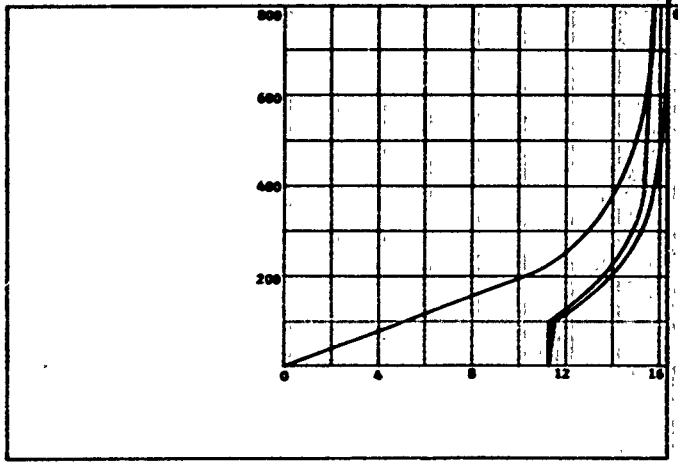
PROJECT: Georgia Institute of Technology B-602			
Contract No. DACA39-67-C-0051			
AREA:			
BORING NO:		SAMPLE NO: 346	
DEPTH: EL:		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION: Hatchie Hill Clay			
Triaxial-Cycle Compression, Cycle Shear @ 3% and 7%			

WATER CONTENT	w	12.42 %
VOID RATIO	e_0	0.88
SATURATION	S_0	41.82 %
DRY DENSITY	γ_d	99.51 PCF
WET DENSITY	γ	105.12 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.63 CM



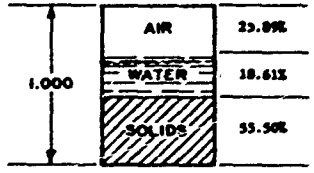


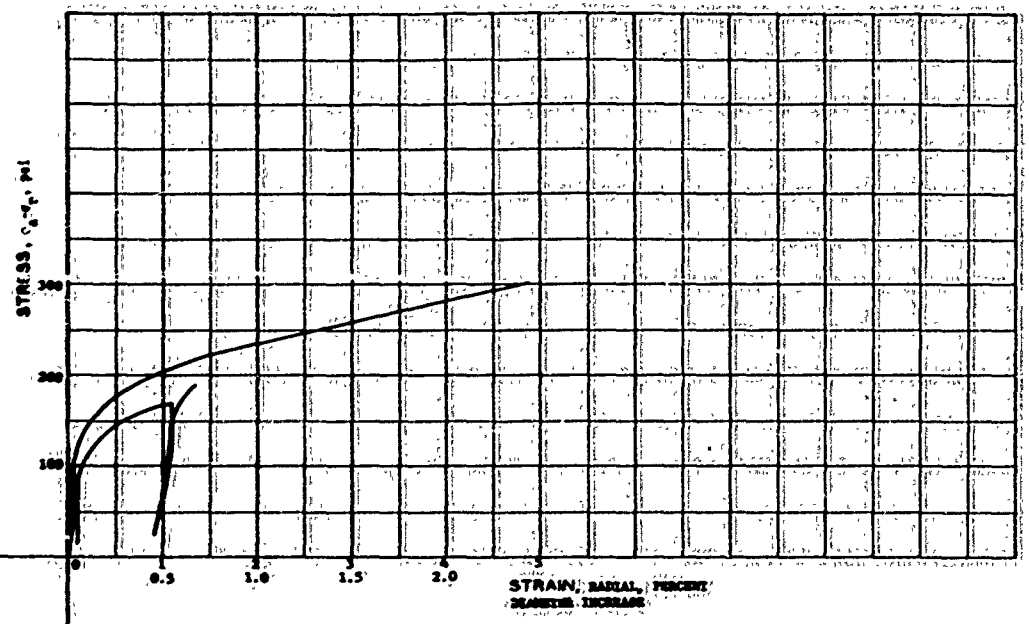
HYDROSTATIC COMPRESSION PHASE



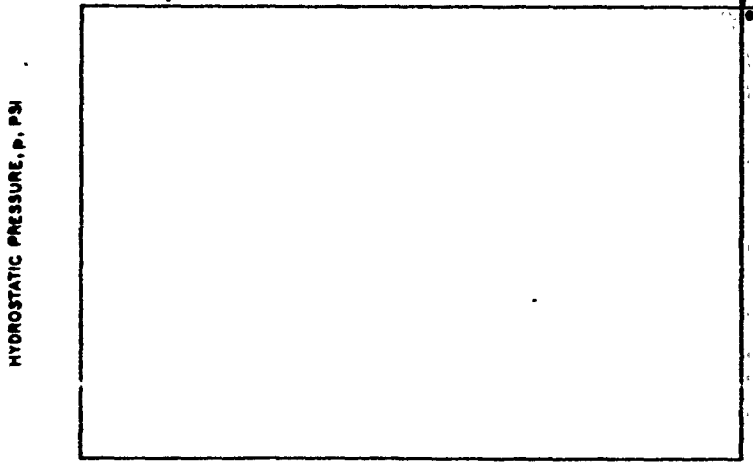
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0031	
AREA		
BORING NO.		SAMPLE NO. 272
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Hatchie Hill Clay	
	Triaxial Cycle Compression, Cycle Shear @ 35% and 75%	

WATER CONTENT	w	12.42	%
VOID RATIO	e_0	0.89	
SATURATION	S_0	41.82	%
DRY DENSITY	γ_d	99.51	PCF
WET DENSITY	γ	105.12	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.63	CM



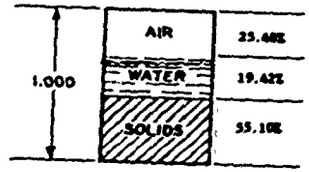


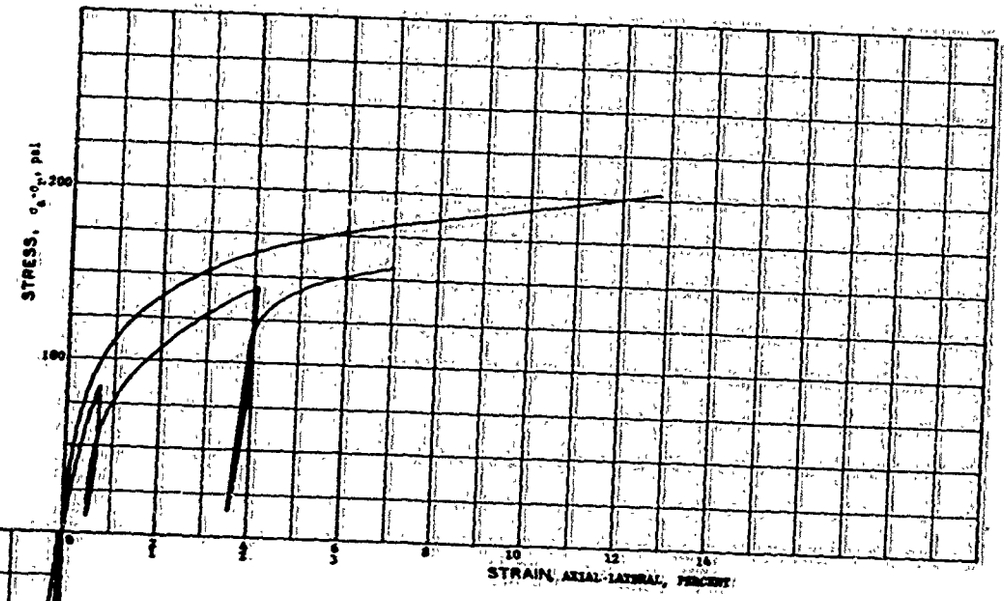
HYDROSTATIC COMPRESSION PHASE



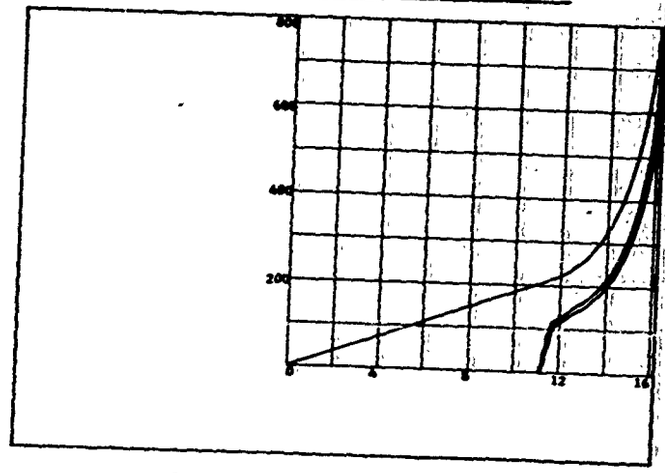
PROJECT	Georgia Institute of Technology E-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 272
DEPTH EL.		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Georgian Hill Clay	
	Triaxial Cycle Shear @ 35% and 75%	

WATER CONTENT	w	13.06 %
VOID RATIO	e_0	0.81
SATURATION	S_0	43.25 %
DRY DENSITY	γ_d	98.85 PCF
WET DENSITY	γ	106.95 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.90 CM
SPECIMEN HEIGHT	H_0	7.63 CM



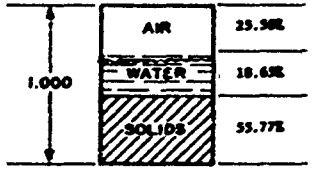


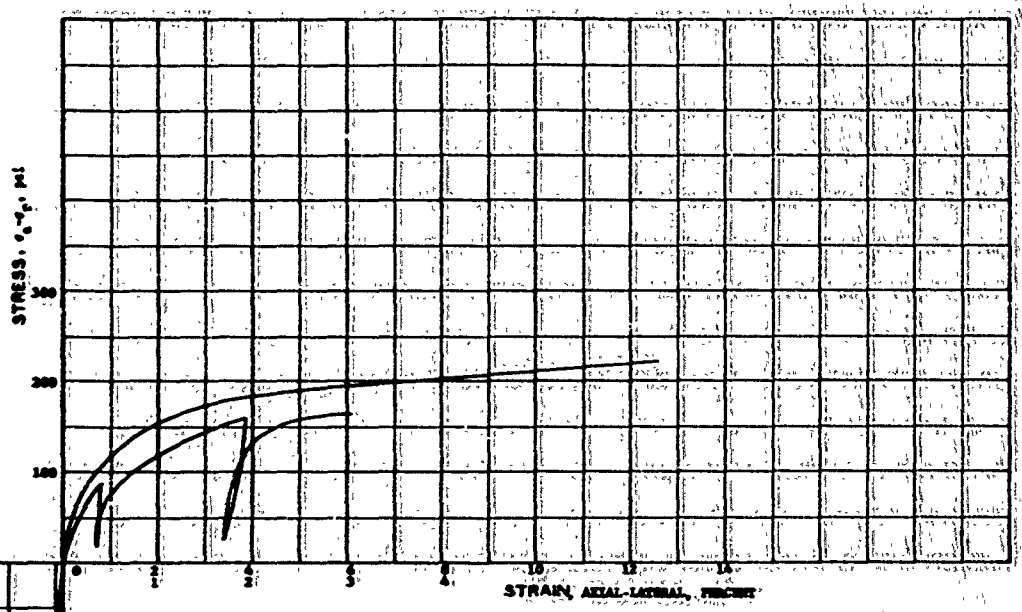
HYDROSTATIC COMPRESSION PHASE



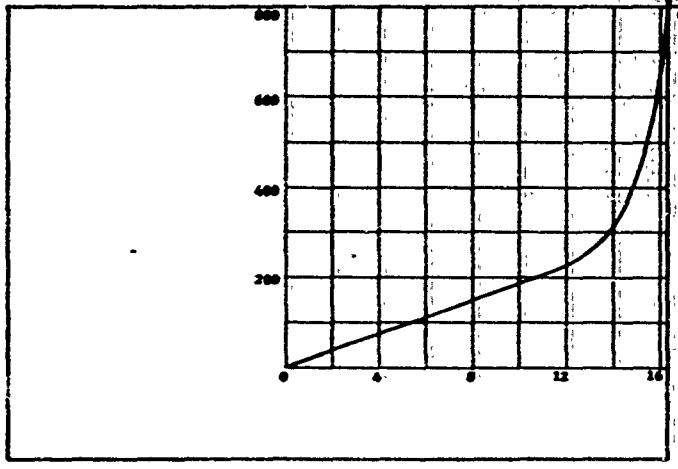
PROJECT: Georgia Institute of Technology B-602
Contract No. DACA39-67-C-0031
AREA:
BORING NO.: SAMPLE NO. 274
DEPTH:
EL: DATE:
LL: 36 PL: 17 PI: 19
DESCRIPTION: Notching Hill Clay
Triaxial-Cycle Compression, Cycle Shear @ 3% and 7%

WATER CONTENT	w	12.39 %
VOID RATIO	e_0	0.79
SATURATION	S_0	42.16 %
DRY DENSITY	γ_d	98.96 PCF
WET DENSITY	γ	105.99 PCF
SPECIFIC GRAVITY	G_s	2.79
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.63 CM



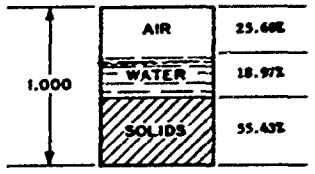


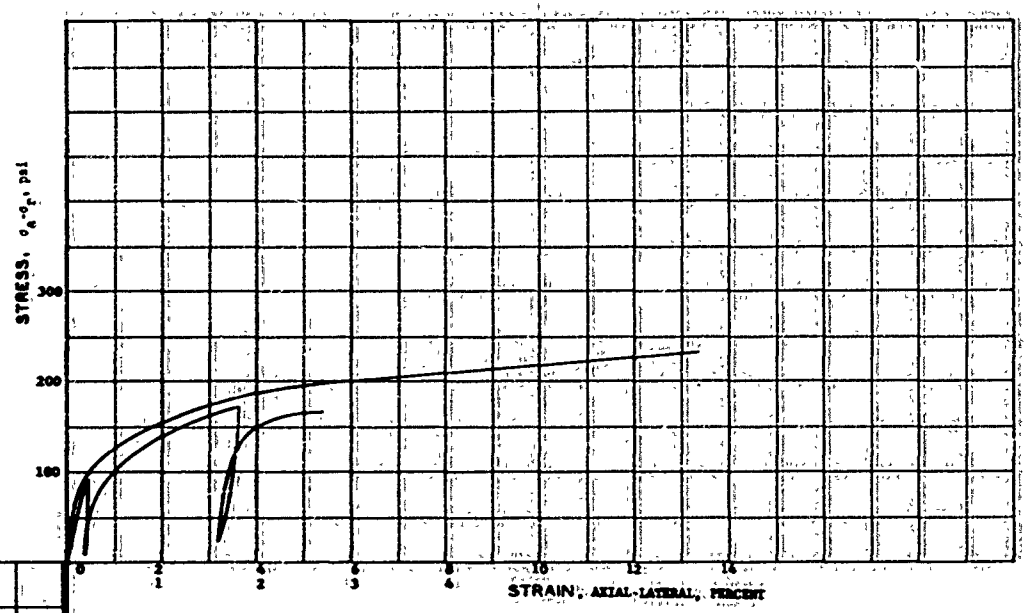
HYDROSTATIC COMPRESSION PHASE



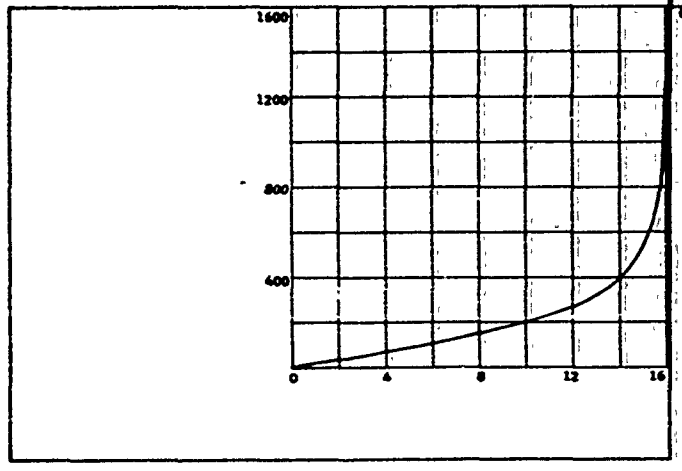
PROJECT	Georgia Institute of Technology E-602	
	Contract No. DACA39-67-C-0031	
AREA		
BORING NO.		SAMPLE NO. 275
DEPTH		DATE
CL		
LL 36	PL 17	PI 19
DESCRIPTION	Vicksburg Buff Clay	
	Triaxial-Cycle Shear @ 35% and 75%	

WATER CONTENT	w	12.68	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	42.56	%
DRY DENSITY	γ_d	93.38	PCF
WET DENSITY	γ	105.22	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.60	CM



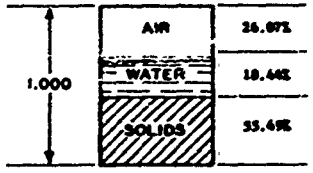


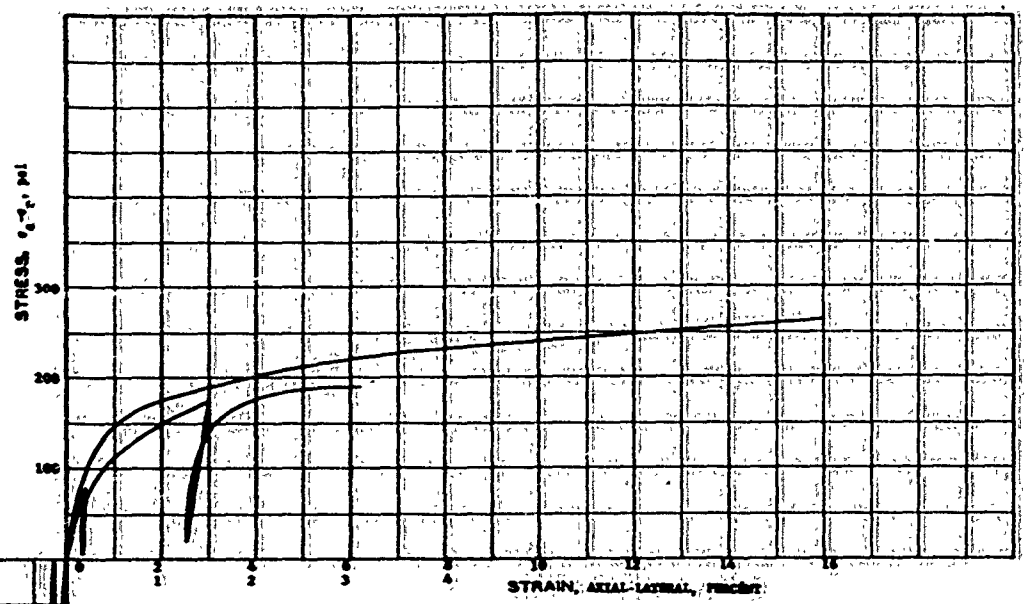
HYDROSTATIC COMPRESSION PHASE



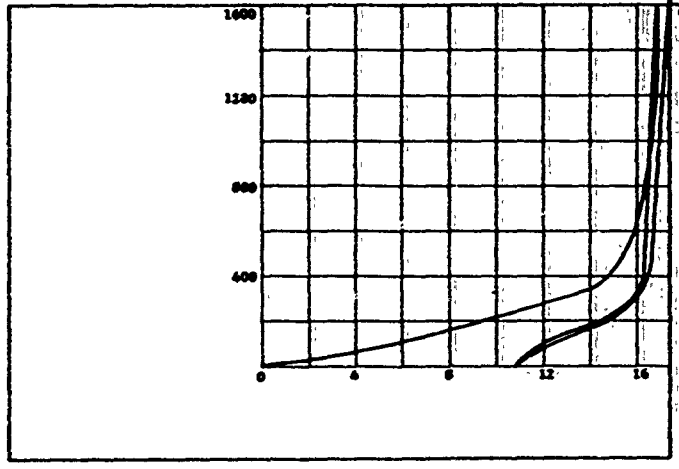
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	217
DEPTH EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Watchung Hill Clay		
	Triaxial-Cycle Shear @ 35% and 75%		

WATER CONTENT	w	12.31 %
VOID RATIO	e_0	0.88
SATURATION	S_0	41.44 %
DRY DENSITY	γ_d	93.48 PCF
WET DENSITY	γ	104.99 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	2.49 CM
SPECIMEN HEIGHT	H_0	7.61 CM



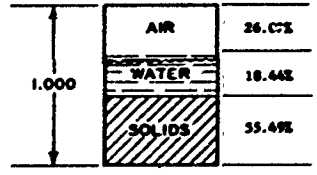


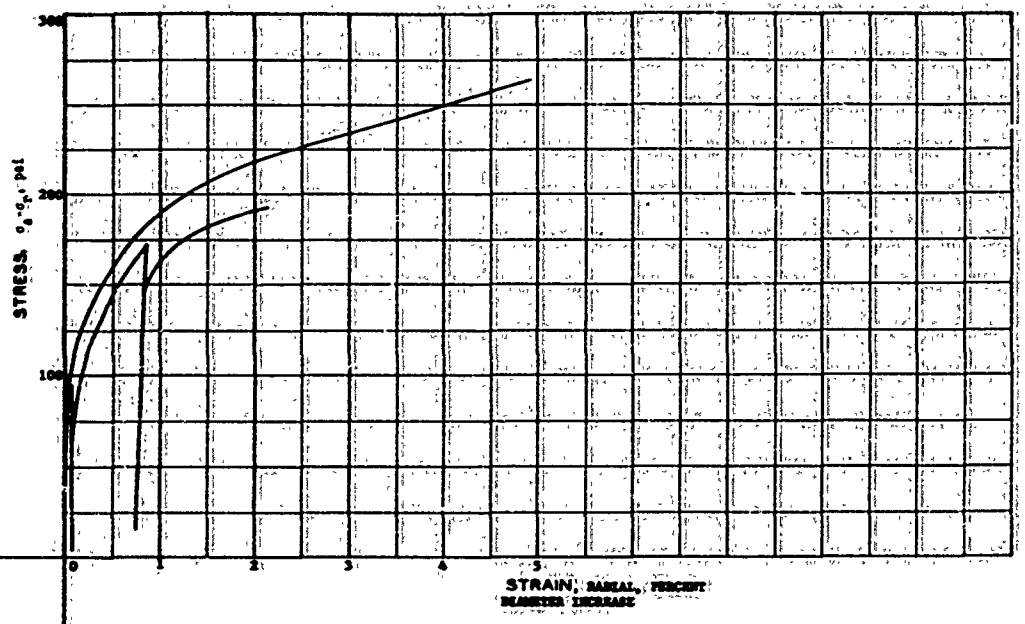
HYDROSTATIC COMPRESSION PHASE



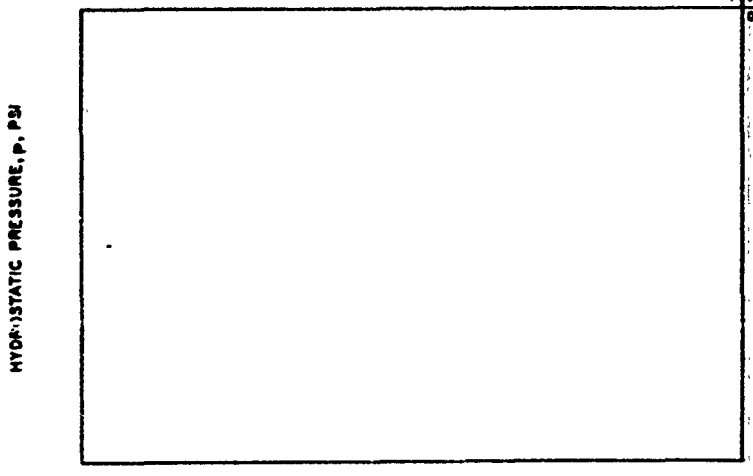
PROJECT: Georgia Institute of Technology B-602			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 262	
DEPTH EL		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION: Hatchie Bluff Clay			
Triaxial-Cycle Compression, Cycle Shear @ 3% and 7%			

WATER CONTENT	w	12.31 %
VOID RATIO	e_0	0.80
SATURATION	S_0	41.44 %
DRY DENSITY	γ_d	93.48 PCF
WET DENSITY	γ	104.99 PCF
SPECIFIC GRAVITY	G_s	2.78
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.61 CM



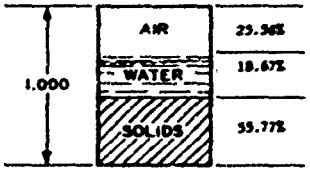


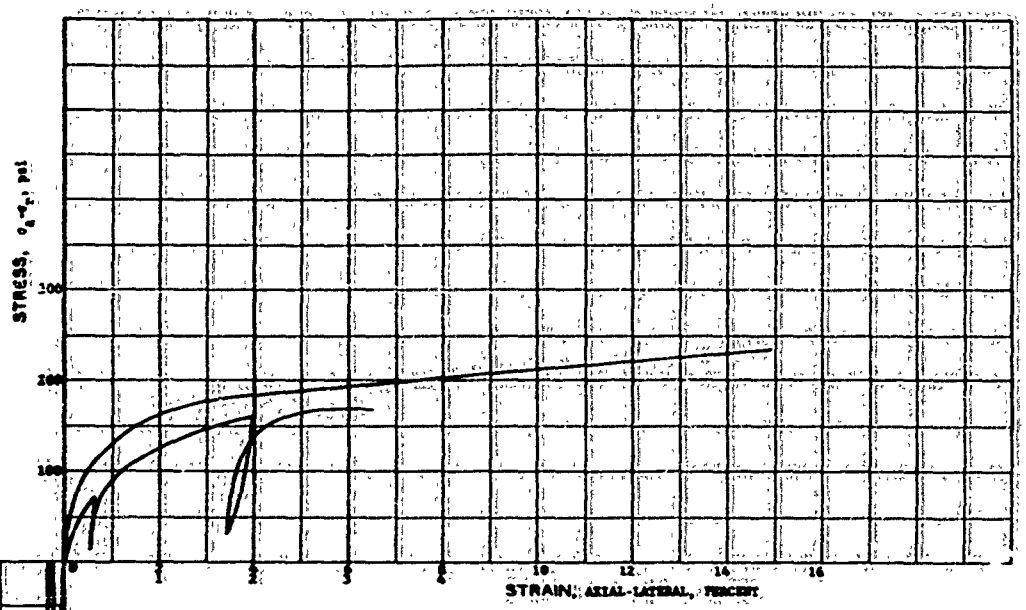
HYDROSTATIC COMPRESSION PHASE



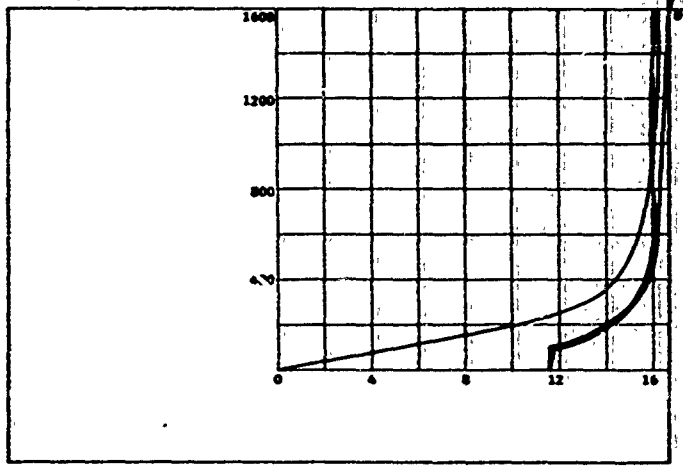
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 262
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION: Hatching Hill Clay		
Triaxial-Cycle Shear @ 35% and 75%		

WATER CONTENT	w	12.60	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	42.21	%
DRY DENSITY	γ_d	93.96	PCF
WET DENSITY	γ	105.81	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.62	CM



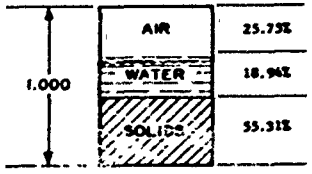


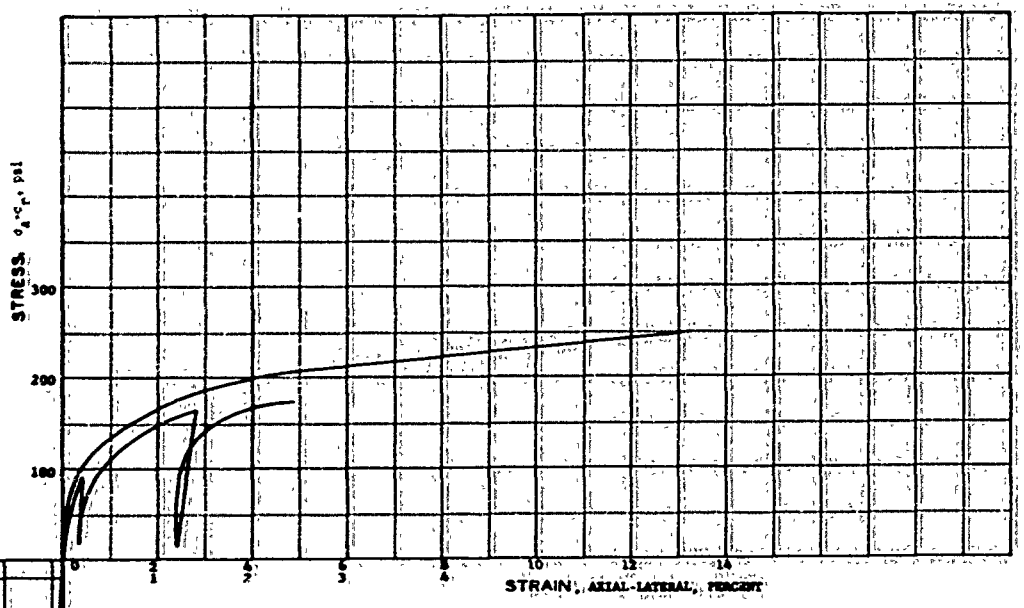
HYDROSTATIC COMPRESSION PHASE



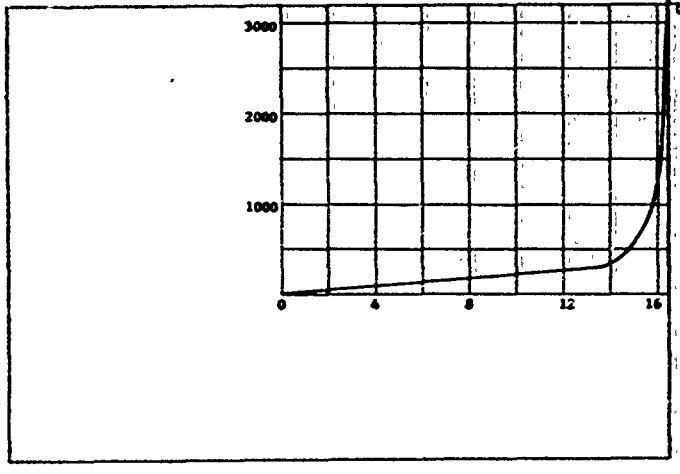
PROJECT: Georgia Institute of Technology B-602			
Contract No. DACA39-67-C-0051			
AREA:			
BORING NO.		SAMPLE NO. 276	
DEPTH EL.		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION: Vaiden Hill Clay			
Triaxial-Cycle Compression, Cycle Shear @ 3% and 7%			

WATER CONTENT	w	12.68 %
VOID RATIO	e_0	0.81
SATURATION	S_0	42.27 %
DRY DENSITY	γ_d	93.19 PCF
WET DENSITY	γ	105.01 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.61 CM



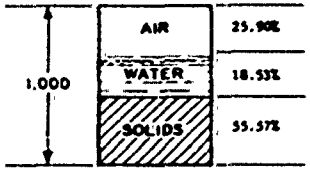


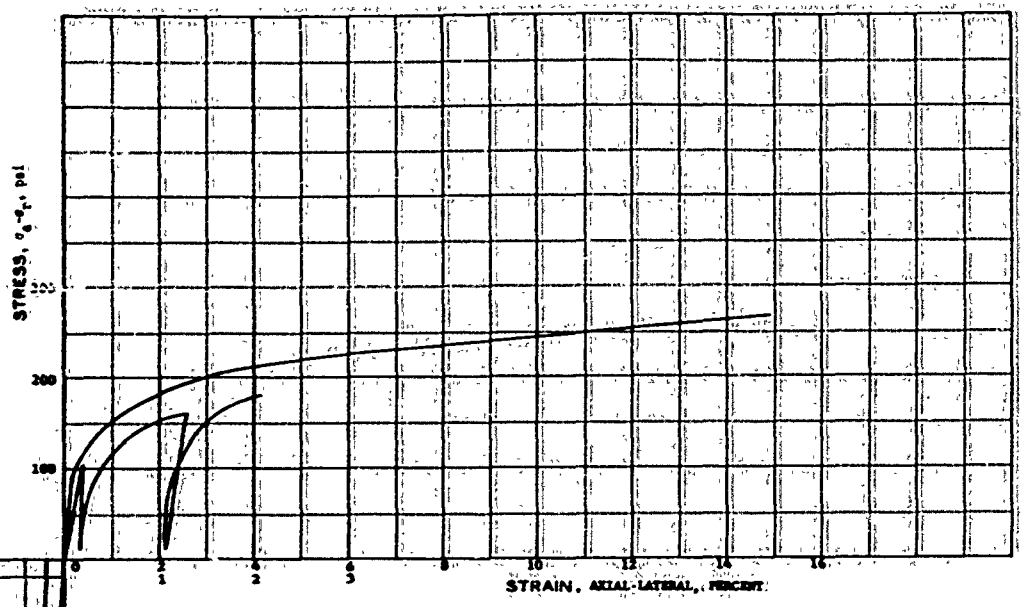
HYDROSTATIC COMPRESSION PHASE



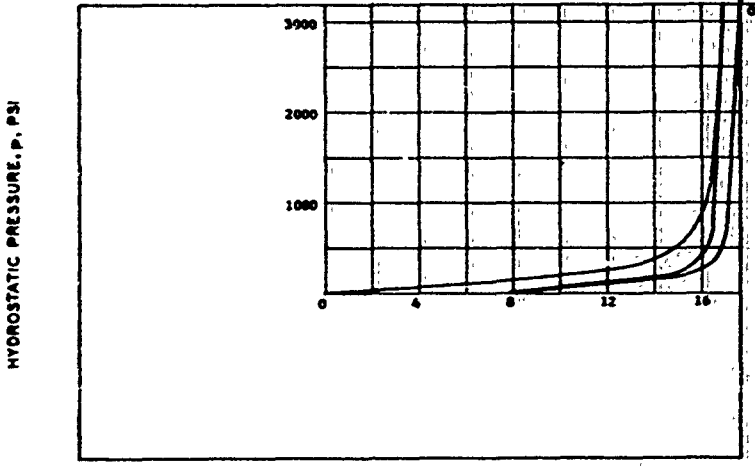
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 202
DEPTH EL.		DATE
LL 36	PL 17	PI 19
DESCRIPTION: Hutchins Hill Clay		
Triaxial-Cycle Shear @ 35% and 75%		

WATER CONTENT	w	12.35	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.70	%
DRY DENSITY	γ_d	93.62	PCF
WET DENSITY	γ	105.18	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.69	CM
SPECIMEN HEIGHT	H_0	7.61	CM



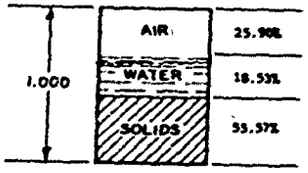


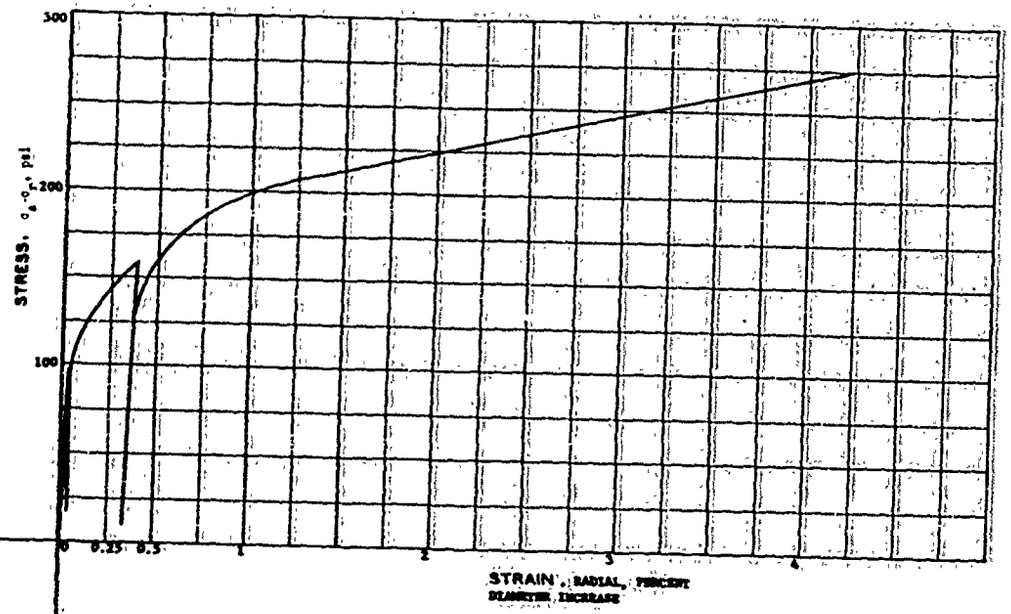
HYDROSTATIC COMPRESSION PHASE



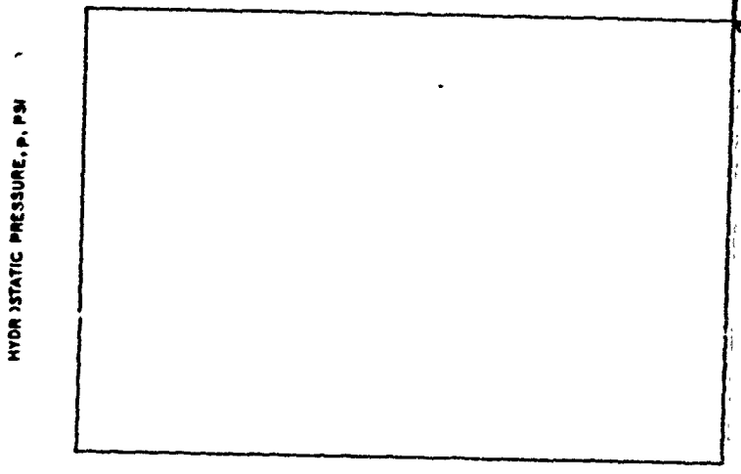
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO: 205	
DEPTH EL.	DATE	
LL: 36	PL: 17	PI: 19
DESCRIPTION: Watchung Hill Clay		
Triaxial-Cycle Compression, Cycle Shear @ 35% and 75%		

WATER CONTENT	w	12.35	%
VOID RATIO	e_0	0.88	
SATURATION	S_0	41.70	%
DRY DENSITY	γ_d	93.62	PCF
WET DENSITY	γ	105.18	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.01	CM



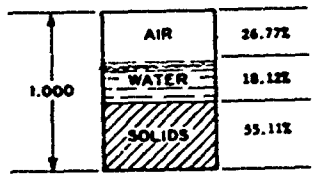


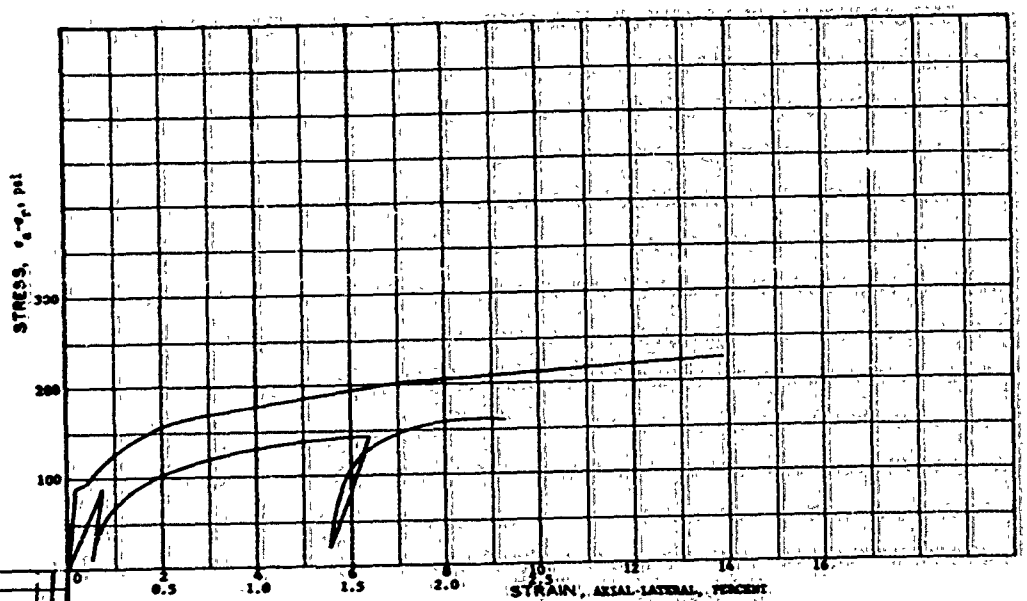
HYDROSTATIC COMPRESSION PHASE



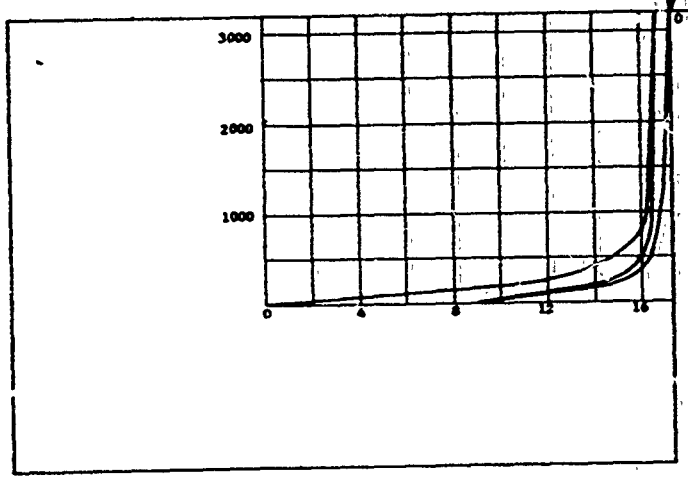
PROJECT: Georgia Institute of Technology B-802		
Contract No. DACA39-67-C-0051		
AREA:		
BORING NO.		SAMPLE NO. 205
DEPTH EL.		DATE
LL 36	PL 17	PI 19
DESCRIPTION: Watching Hill Clay		
Triaxial Cycle Shear @ 35% and 75%		

WATER CONTENT	w	12.18 %
VOID RATIO	e_0	0.81
SATURATION	S_0	40.36 %
DRY DENSITY	γ_d	92.85 PCF
WET DENSITY	γ	104.15 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.60 CM



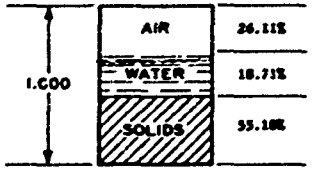


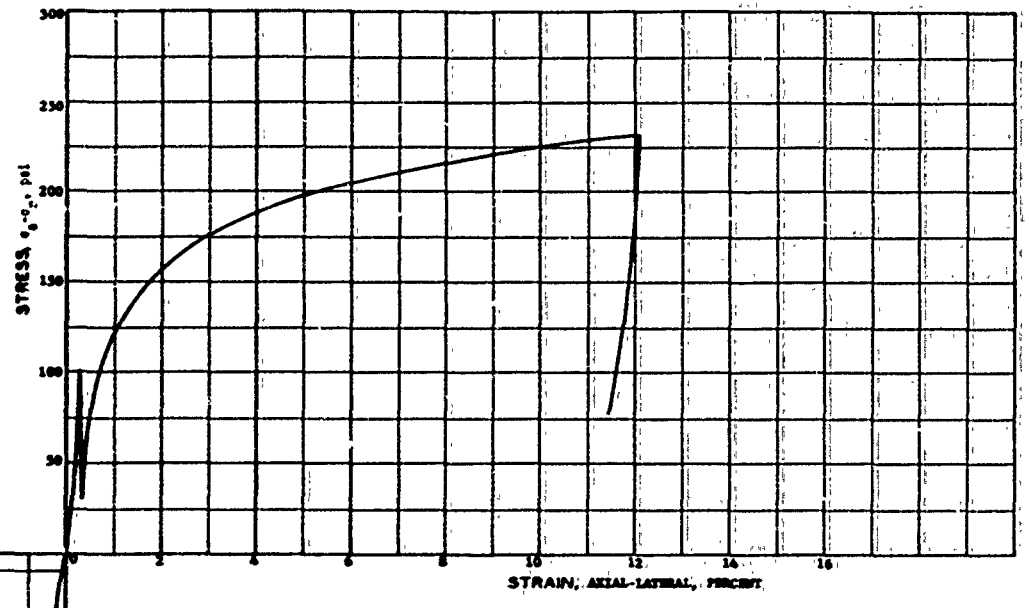
HYDROSTATIC COMPRESSION PHASE



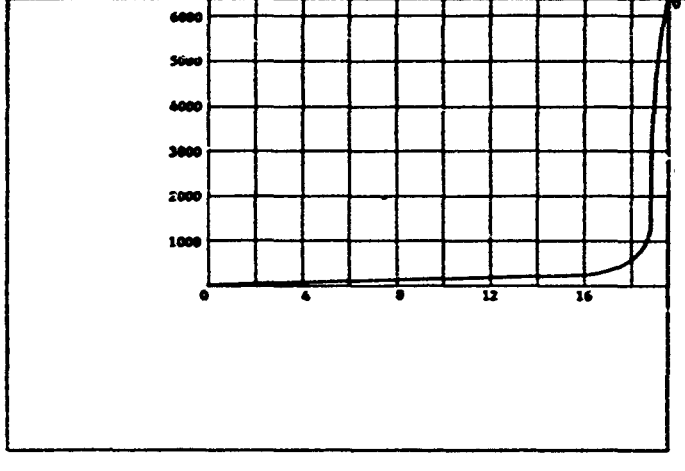
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA:		
BORING NO.	SAMPLE NO. 208	
DEPTH: EL.	DATE	
LL 36	PL 17	PI 19
DESCRIPTION: Hitching Hill Clay		
Triaxial-Cycle Compression, Cycle Shear @ 35% and 75%		

WATER CONTENT	W	12.56 %
VOID RATIO	e_0	0.81
SATURATION	S_0	41.75 %
DRY DENSITY	γ_d	98.97 PCF
WET DENSITY	γ	106.65 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.62 CM



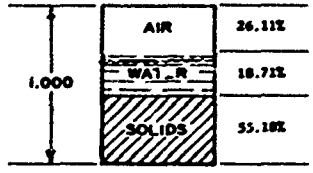


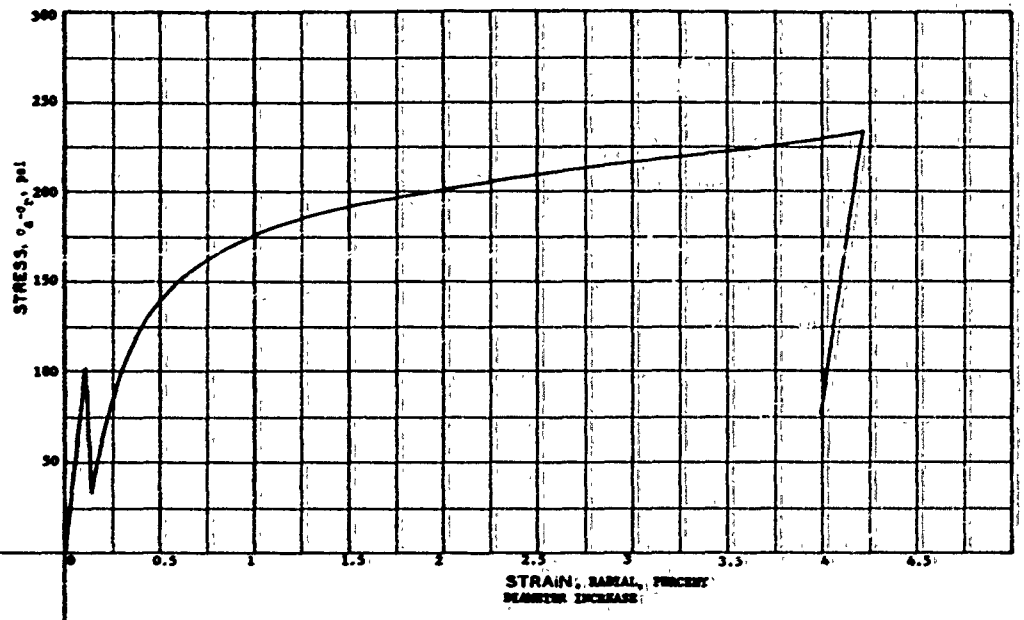
HYDROSTATIC COMPRESSION PHASE



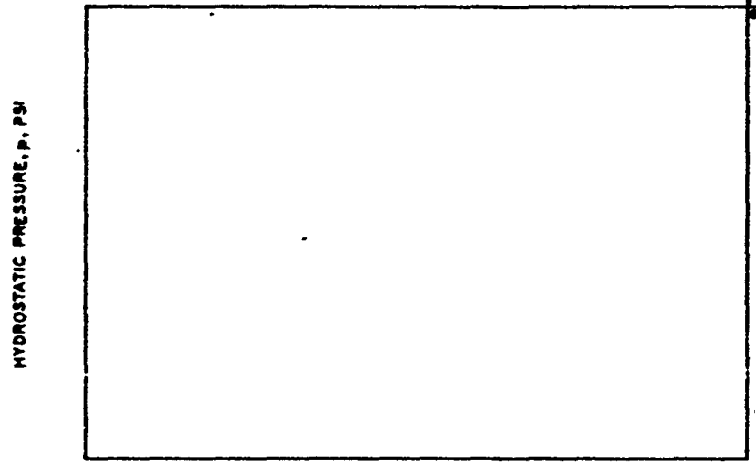
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 284
DEPTH: EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION: Watching Hill Clay		
Triaxial-Cycle Shear @ 35%		

WATER CONTENT	w	12.56	%
VOID RATIO	e_0	0.81	
SATURATION	S_0	41.15	%
DRY DENSITY	γ_d	92.97	PCF
WET DENSITY	γ	104.65	PCF
SPECIFIC GRAVITY	G_s	2.78	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.62	CM



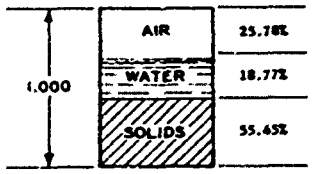


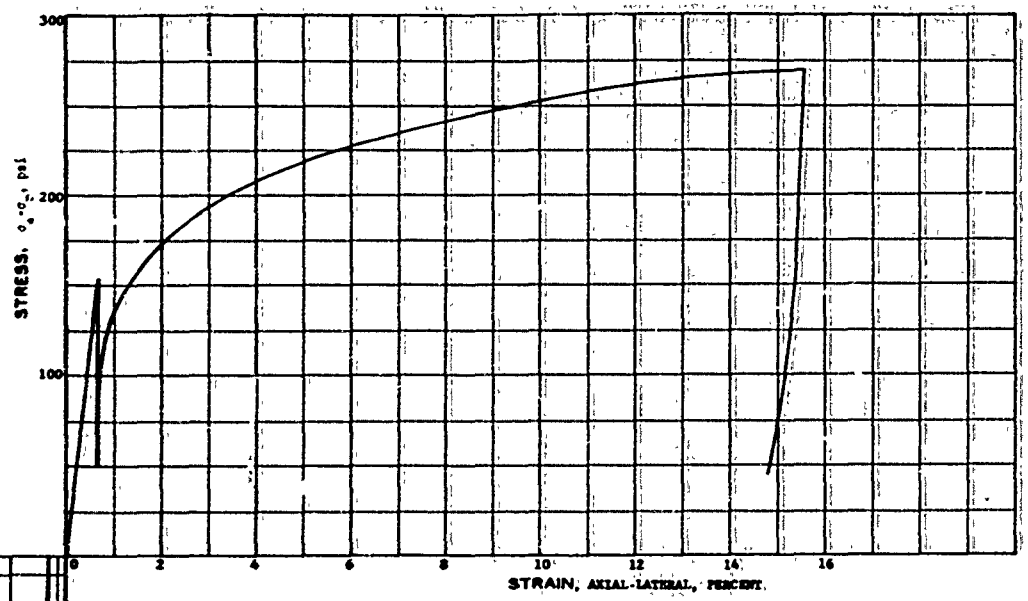
HYDROSTATIC COMPRESSION PHASE



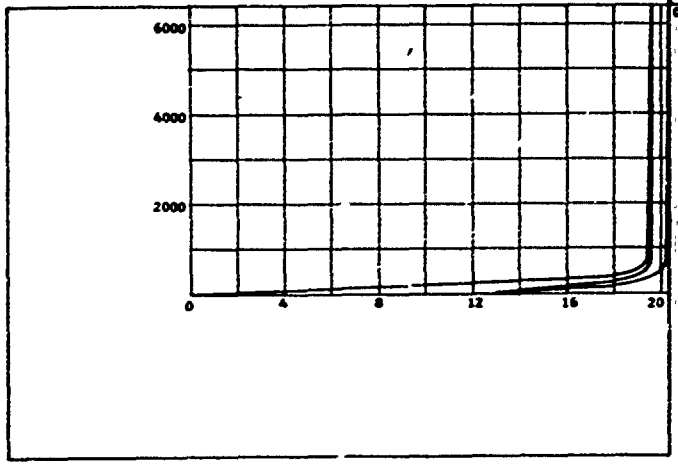
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO: 784
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION: Watching Hill Clay		
Triaxial-Cycle Shear @ 35%		

WATER CONTENT	w	12.53	%
VOID RATIO	e_o	0.80	
SATURATION	S_o	42.13	%
DRY DENSITY	γ_d	93.43	PCF
WET DENSITY	γ	105.14	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_o	3.49	CM
SPECIMEN HEIGHT	H_o	7.63	CM





HYDROSTATIC COMPRESSION PHASE



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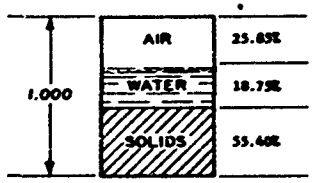
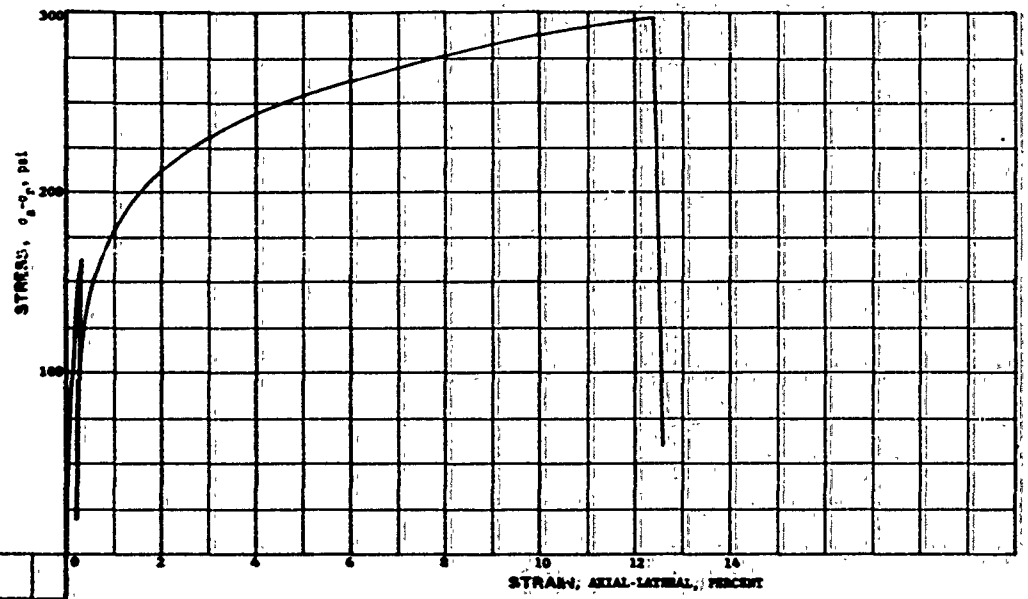
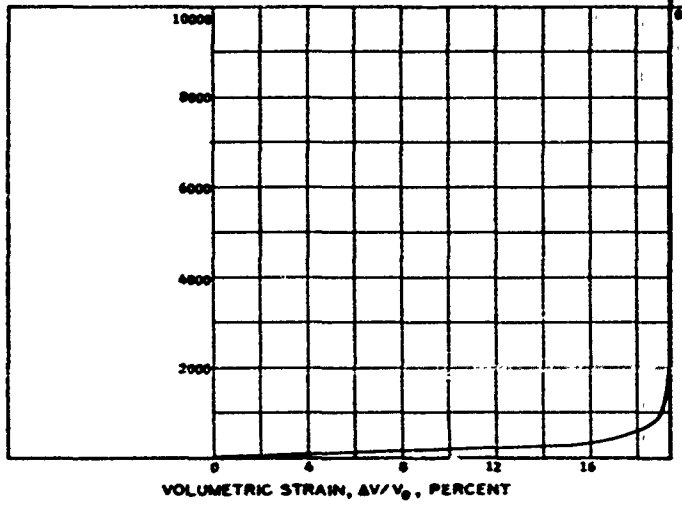
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 290	
DEPTH EL.	DATE	
LL 36	PL 17	PI 19
DESCRIPTION: Natchez Hill Clay		
Triaxial-Cycle Compression, Cycle Shear @ 35%		

WATER CONTENT	w	12.53	%
VOID RATIO	e_o	0.81	
SATURATION	S_o	42.04	%
DRY DENSITY	γ_d	93.34	PCF
WET DENSITY	γ	105.03	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_o	3.49	CM
SPECIMEN HEIGHT	H_o	7.63	CM



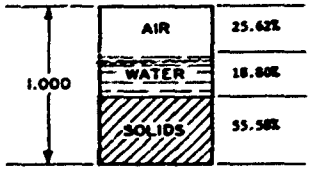


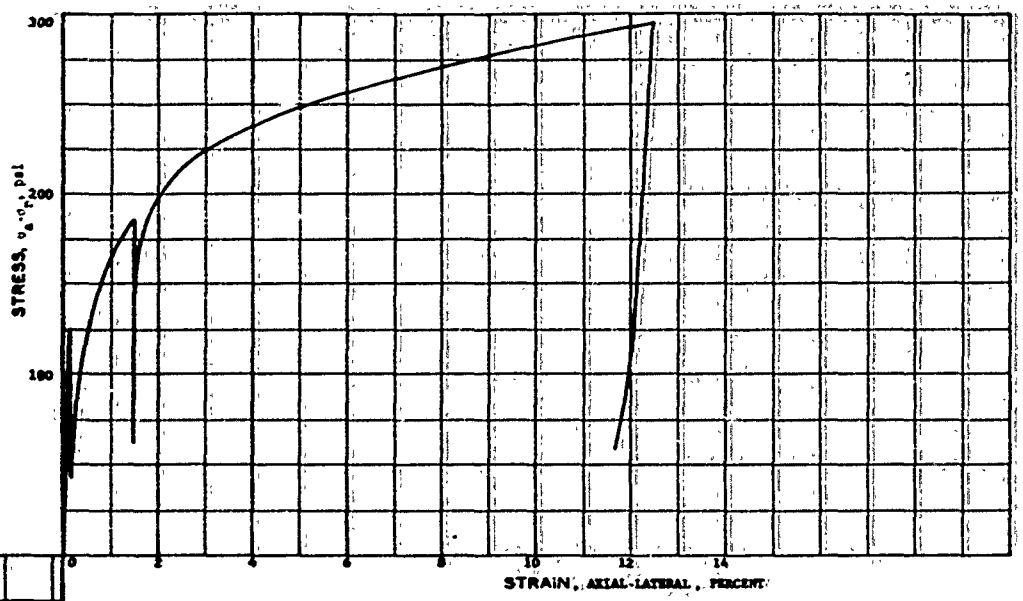
HYDROSTATIC COMPRESSION PHASE



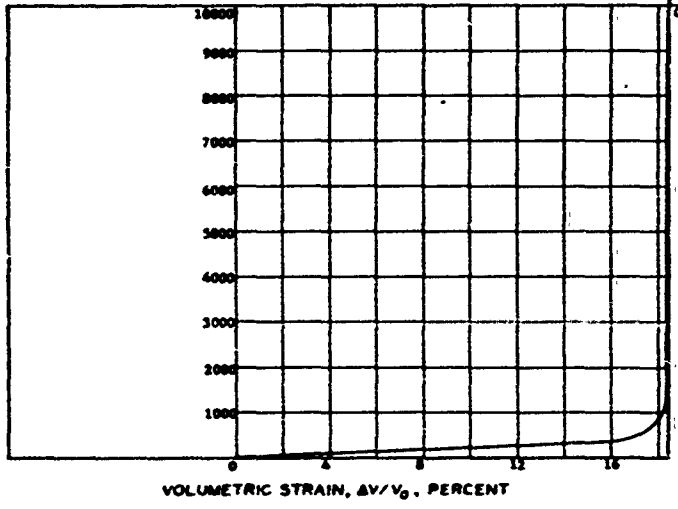
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	287
DEPTH EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Hatching Hill Clay		
	Triaxial-Cycle Shear @ 35%		

WATER CONTENT	w	12.53	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	42.32	%
DRY DENSITY	γ_d	93.63	PCF
WET DENSITY	γ	105.36	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.61	CM



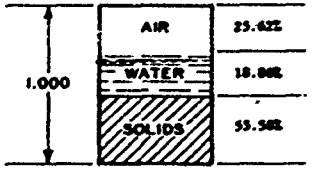


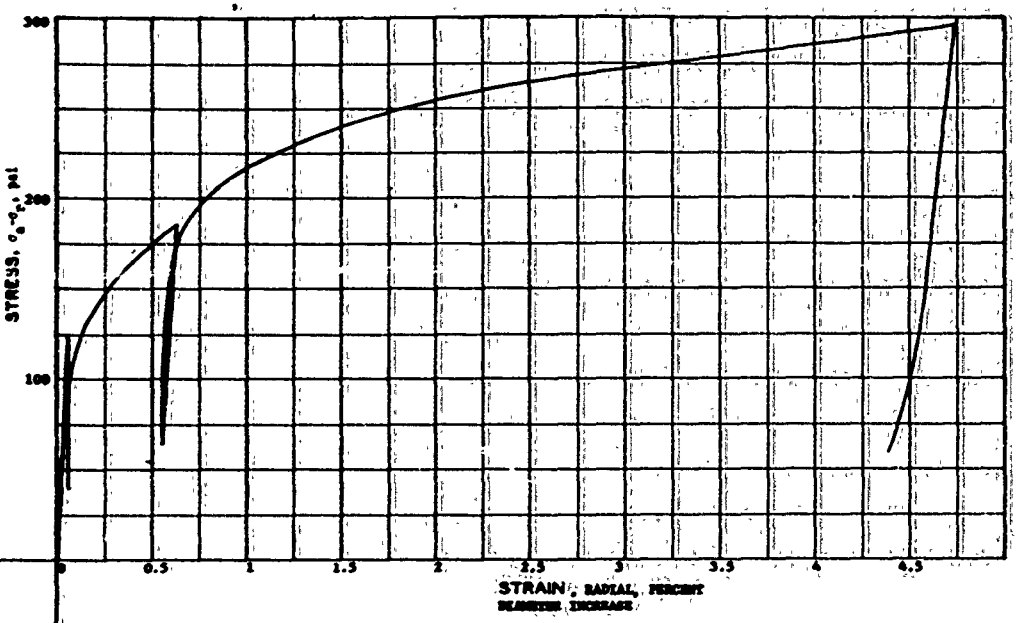
HYDROSTATIC COMPRESSION PHASE



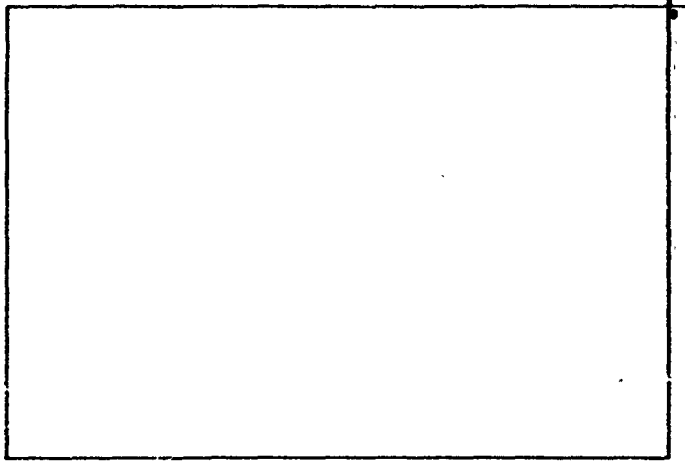
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	289
DEPTH EL.		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Hatching Hill Clay		
	Triaxial-Cycle Shear @ 35% and 75%		

WATER CONTENT	w	12.53	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	42.32	%
DRY DENSITY	γ_d	99.63	PCF
WET DENSITY	γ	105.36	PCF
SPECIFIC GRAVITY	G_s	2.78	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.61	CM





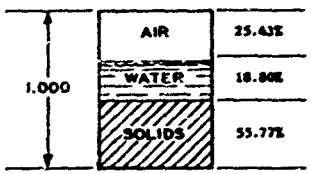
HYDROSTATIC COMPRESSION PHASE

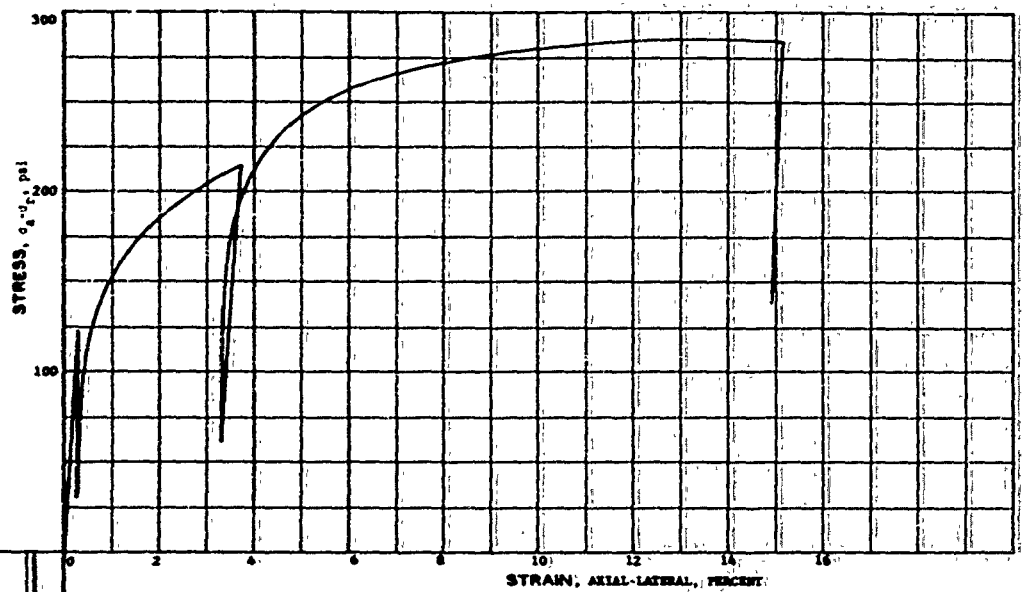


240

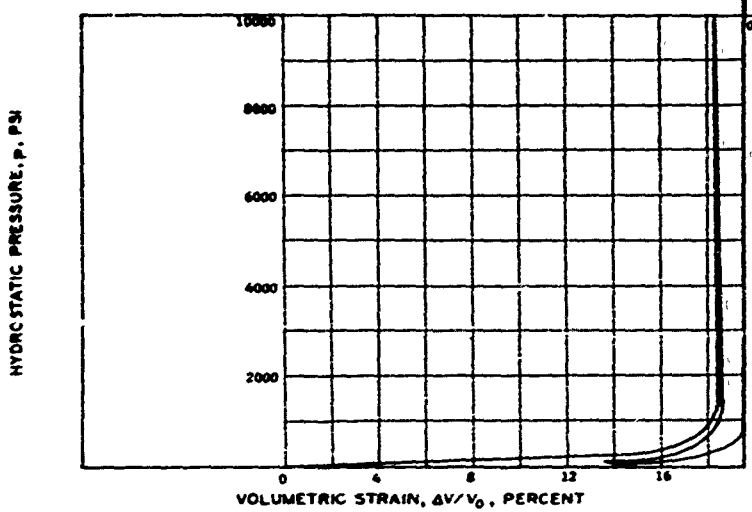
PROJECT	Georgia Institute of Technology B-602		
	Contract No.: DACA39-67-C-0031		
AREA			
BORING NO.		SAMPLE NO.	289
DEPTH EL.		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION	Watchung Hill Clay		
	Triaxial Cycle Shear @ 35% and 75%		

WATER CONTENT	W	12.49 %
VOID RATIO	e_0	0.79
SATURATION	S_0	42.52 %
DRY DENSITY	γ_d	93.96 PCF
WET DENSITY	γ	105.69 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.62 CM





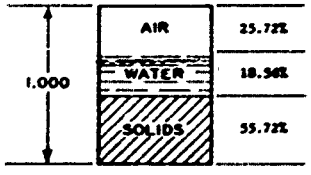
HYDROSTATIC COMPRESSION PHASE

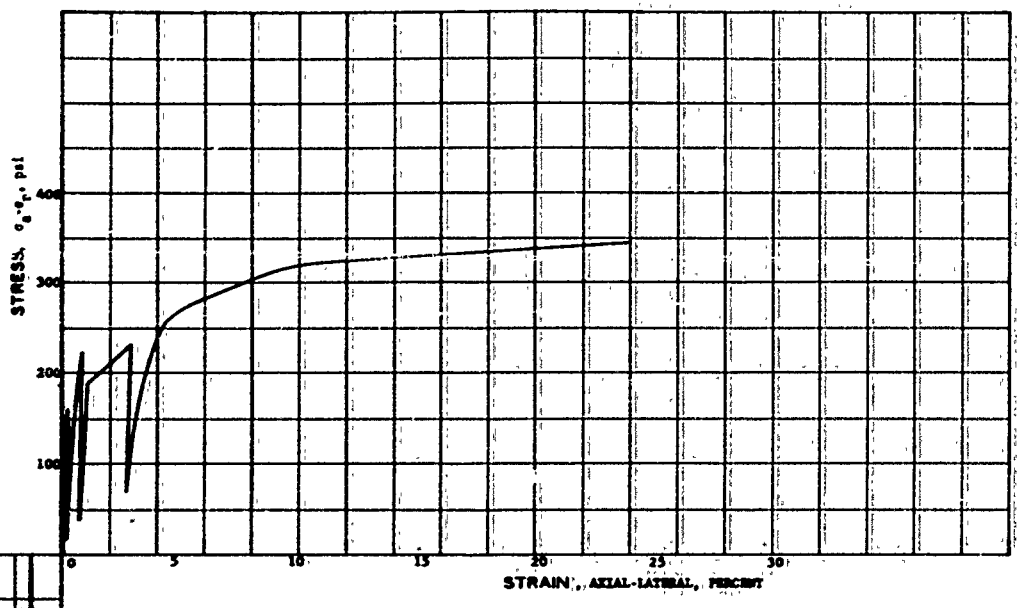


PROJECT: Georgia Institute of Technology B-602			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 291	
DEPTH EL.		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION: Watching Hill Clay			
Triaxial-Cycle Compression, Cycle Shear @ 35% and 75%			

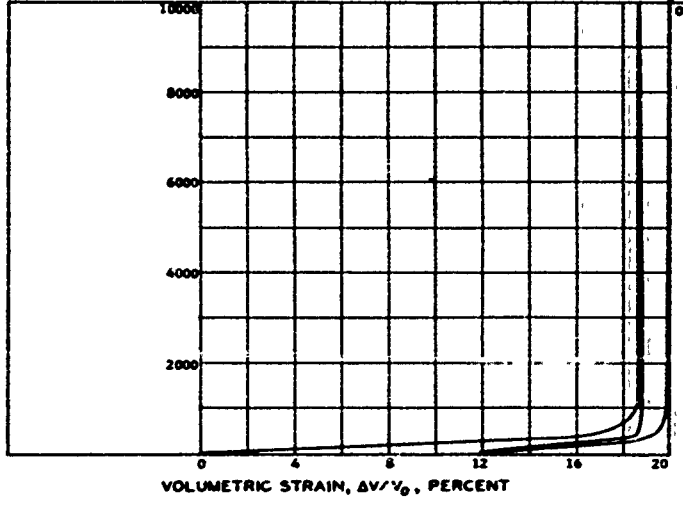
T-12

WATER CONTENT	w	12.34	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	41.91	%
DRY DENSITY	γ_d	93.87	PCF
WET DENSITY	γ	105.45	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.47	CM
SPECIMEN HEIGHT	H_0	7.62	CM





HYDROSTATIC COMPRESSION PHASE



PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	351
DEPTH EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Watchung Hill Clay		
	Triaxial-Cycle Compression, Cycle Shear @ 35% and 75%		

Group C

Constant Ratio Tests

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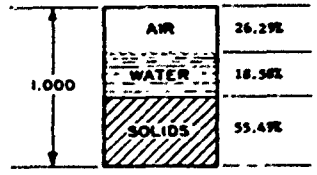
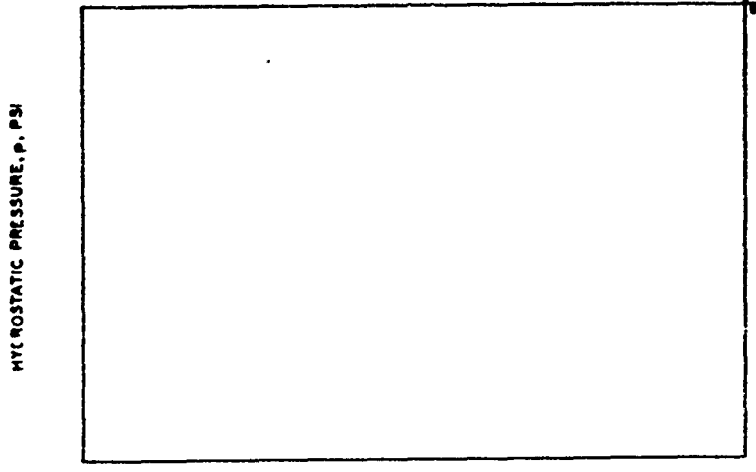
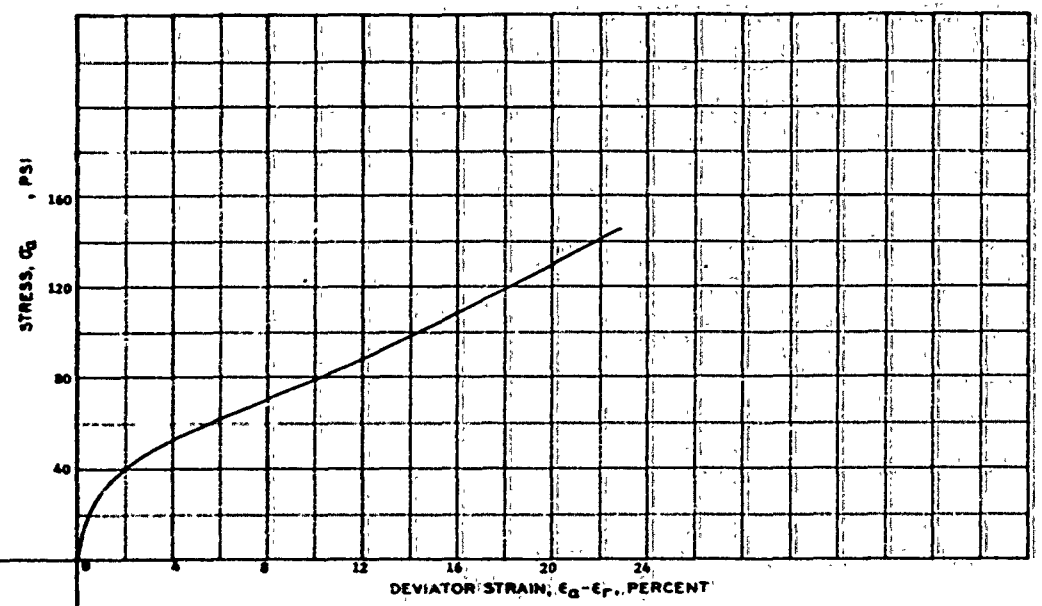
WATER CONTENT	w	12.40	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.76	%
DRY DENSITY	γ_d	93.50	PCF
WET DENSITY	γ	105.09	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.63	CM



HYDROSTATIC COMPRESSION PHASE





TRIAXIAL SHEAR PHASE

PROJECT: Georgia Institute of Technology B-602

Contract No. DACA39-67-C-0051

AREA

BORING NO. | SAMPLE NO. 264

DEPTH EL | DATE

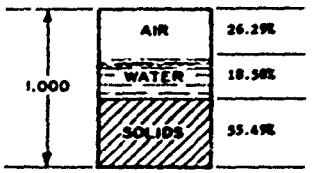
LL 36 | PL 17 | PI 19

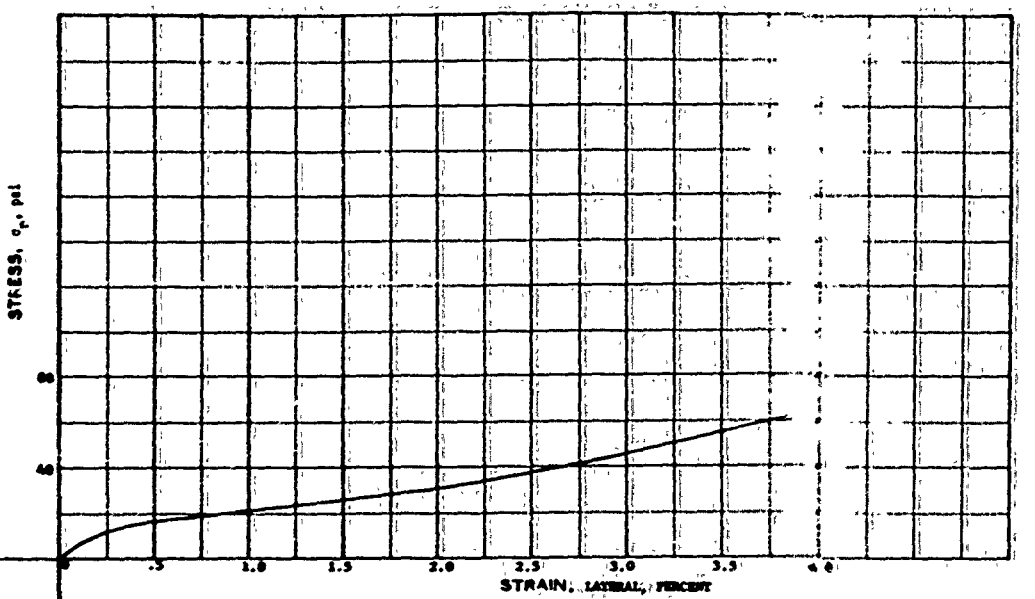
DESCRIPTION: Watching Hill Clay

Constant Stress Ratio, 0.4

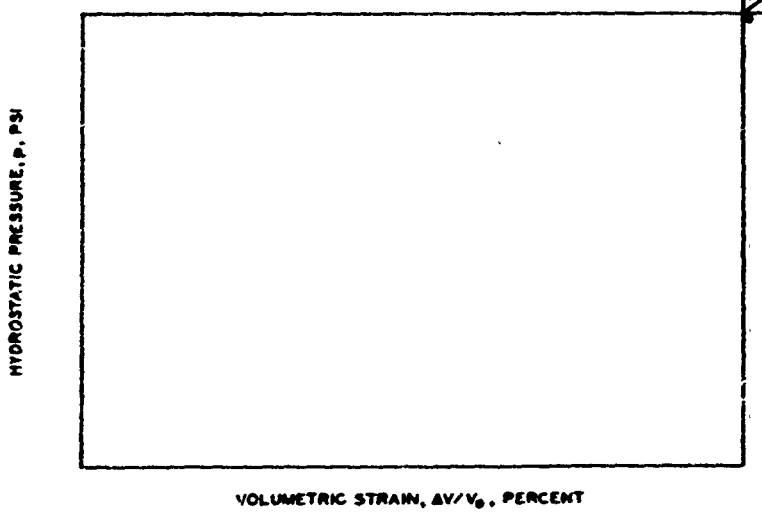
Initial Pressure, 0 psi

WATER CONTENT	w	12.40	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.74	%
DRY DENSITY	γ_d	98.50	PCF
WET DENSITY	γ	103.89	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.43	CM





HYDROSTATIC COMPRESSION PHASE



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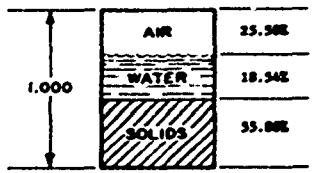
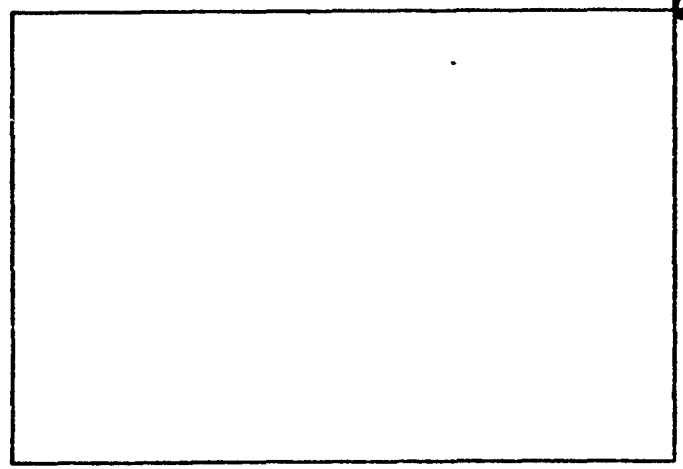
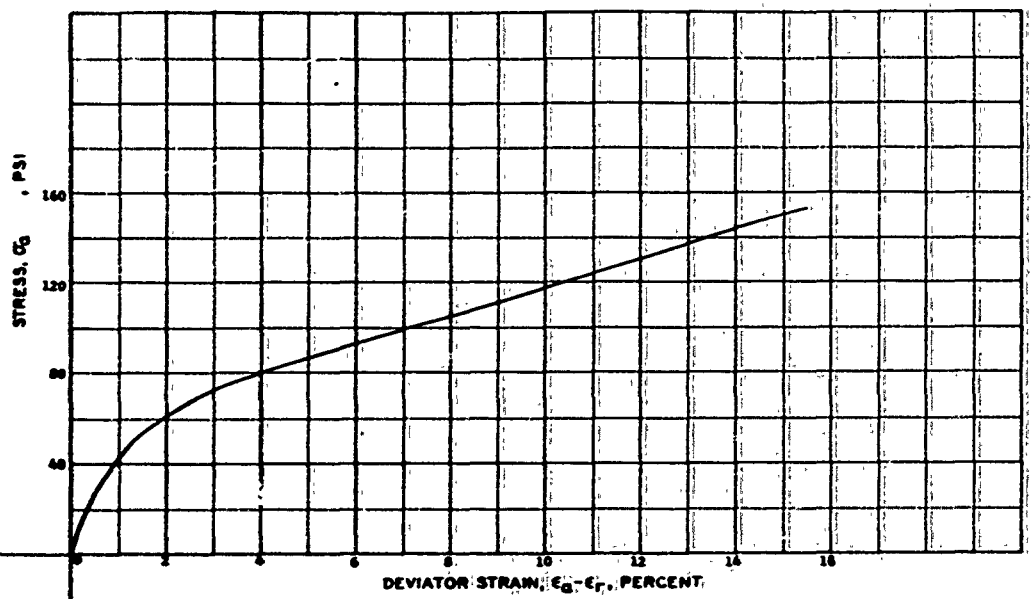
PROJECT	Georgia Institute of Technology B-604		
	Contract No. DACA39-67-C-0031		
AREA			
BORING NO.		SAMPLE NO.	564
DEPTH EL.		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION	Vicksburg Buckshot Clay		
	Constant Stress Ratio, 0.4		
	Initial pressure, 0 psi		

WATER CONTENT	w	12.29 %
VOID RATIO	e_0	0.79
SATURATION	S_0	42.02 %
DRY DENSITY	γ_d	94.14 PCF
WET DENSITY	γ	105.71 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.62 CM



HYDROSTATIC COMPRESSION PHASE

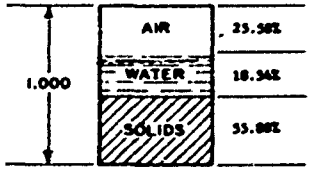


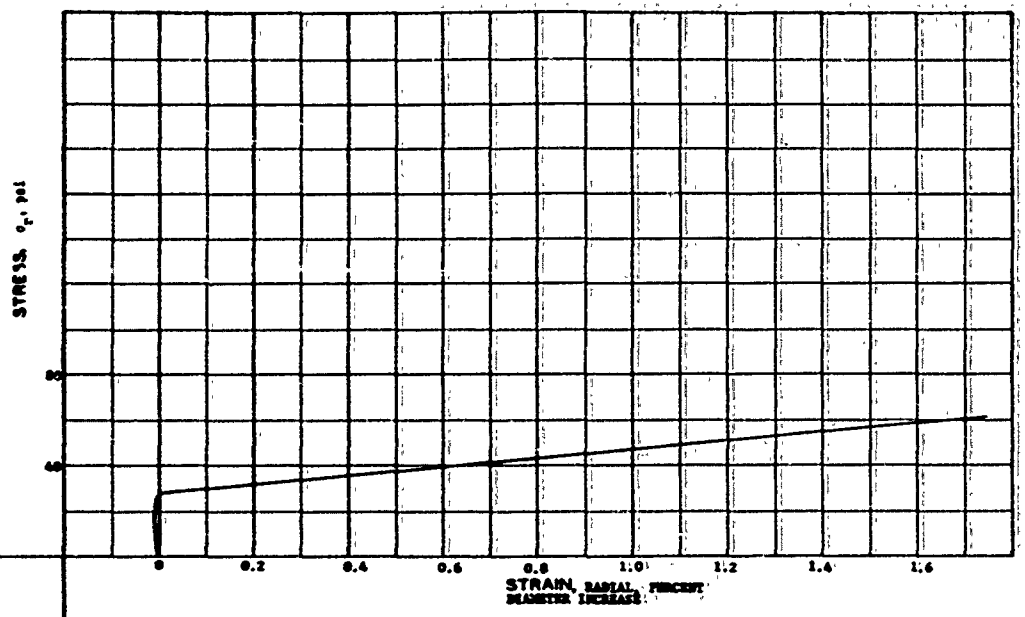


TRIAXIAL SHEAR PHASE

PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 265
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION: Hutchins Mill Clay		
Constant Stress Ratio, 0.4		
Initial Pressure, 0 psi		

WATER CONTENT	w	12.29	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	42.02	%
DRY DENSITY	γ_d	94.14	PCF
WET DENSITY	γ	105.71	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.69	CM
SPECIMEN HEIGHT	H_0	7.62	CM





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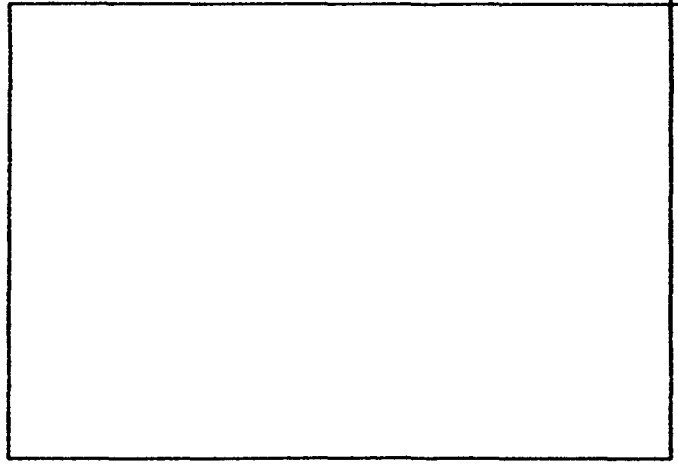
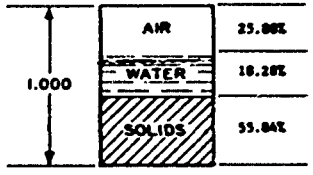
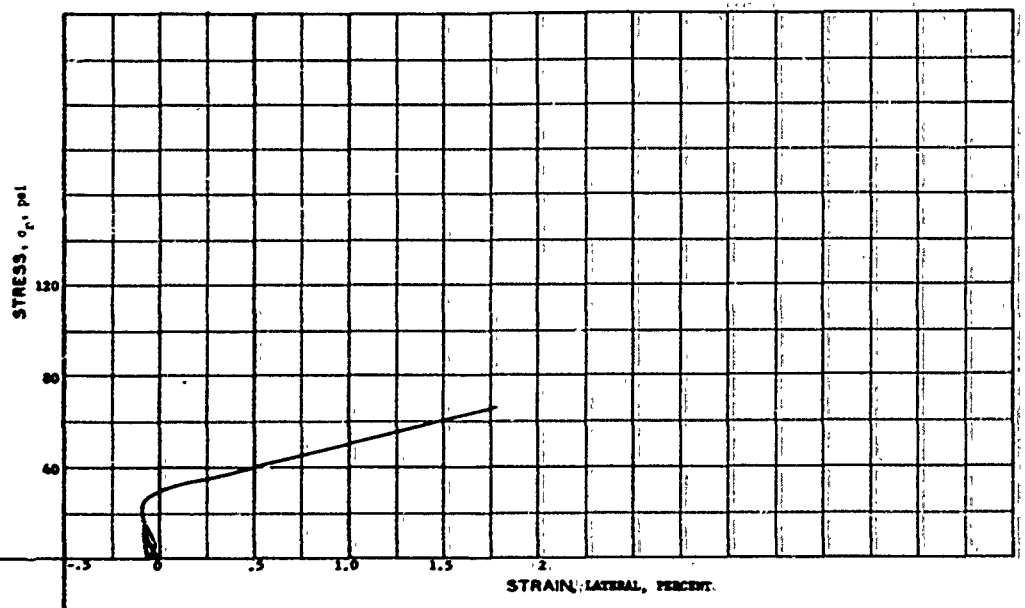


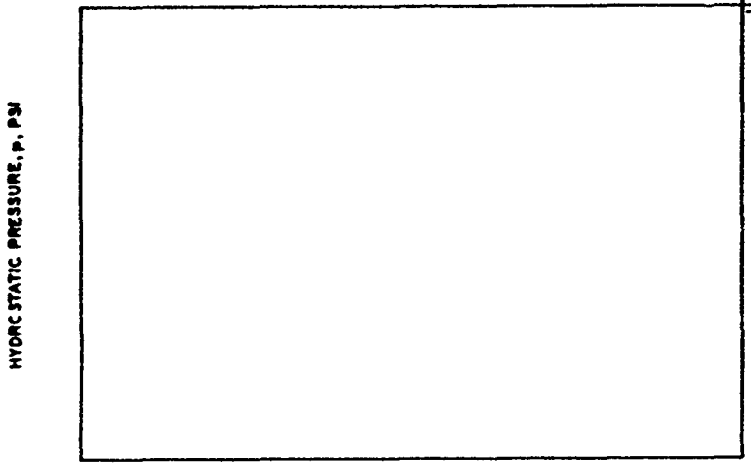
PROJECT	Georgia Institute of Technology B-402	
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 265
DEPTH EL.		DATE
L.L. 36	P.L. 17	P.I. 19
DESCRIPTION Watchung Hill Clay		
Constant Stress Ratio, 0.4		
Initial Pressure, 0 psi		

WATER CONTENT	w	12.12 %
VOID RATIO	e_0	0.79
SATURATION	S_0	41.39 %
DRY DENSITY	γ_d	96.08 PCF
WET DENSITY	γ	105.68 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.61 CM



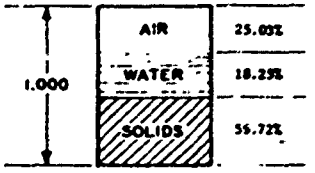


HYDROSTATIC COMPRESSION PHASE

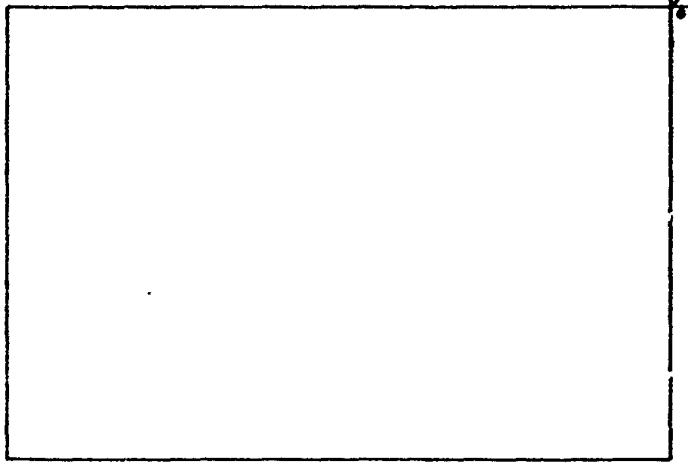


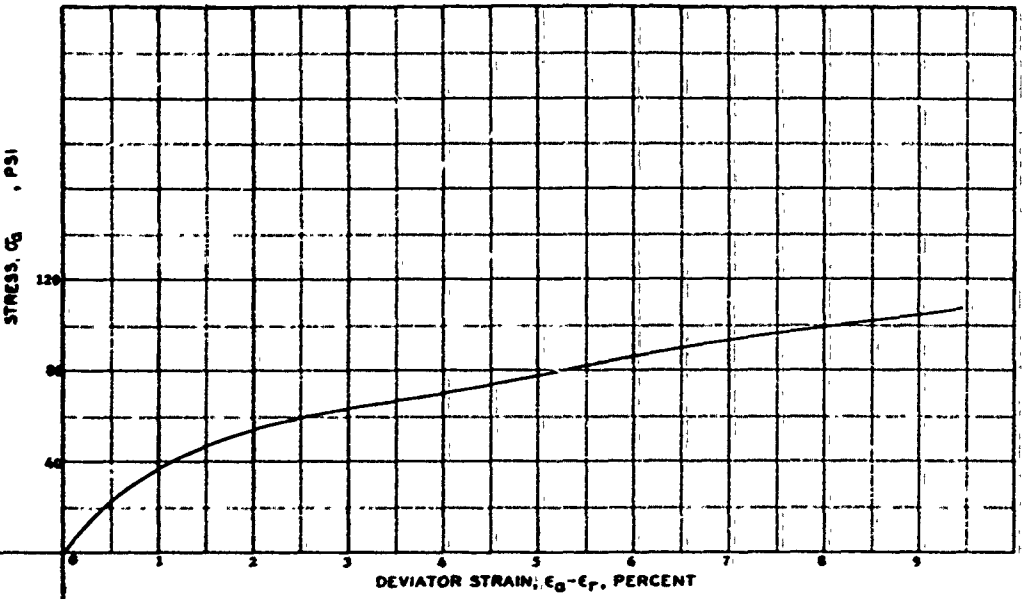
PROJECT: Georgia Institute of Technology			
Contract No. DACA39-67-C-0051			
APEA			
BORING NO.		SAMPLE NO: 278	
DEPTH EL		DATE	
LL 36	PL 17		PI 19
DESCRIPTION: Watching Hill Clay			
Constant Stress Ratio, 0.6 ; Initial Pressure, 0 psi			
Cycle Shear @ 35%			

WATER CONTENT	w	11.92 %
VOID RATIO	e_0	0.76
SATURATION	S_0	42.18 %
DRY DENSITY	γ_d	95.56 PCF
WET DENSITY	γ	106.95 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.46 CM
SPECIMEN HEIGHT	H_0	7.63 CM



HYDROSTATIC COMPRESSION PHASE

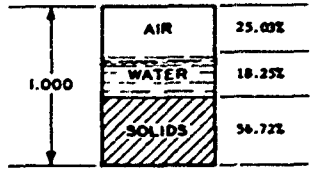




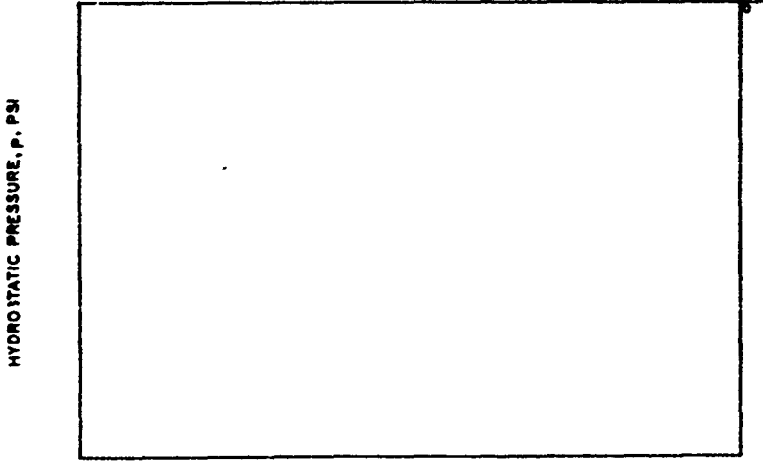
TRIAXIAL SHEAR PHASE

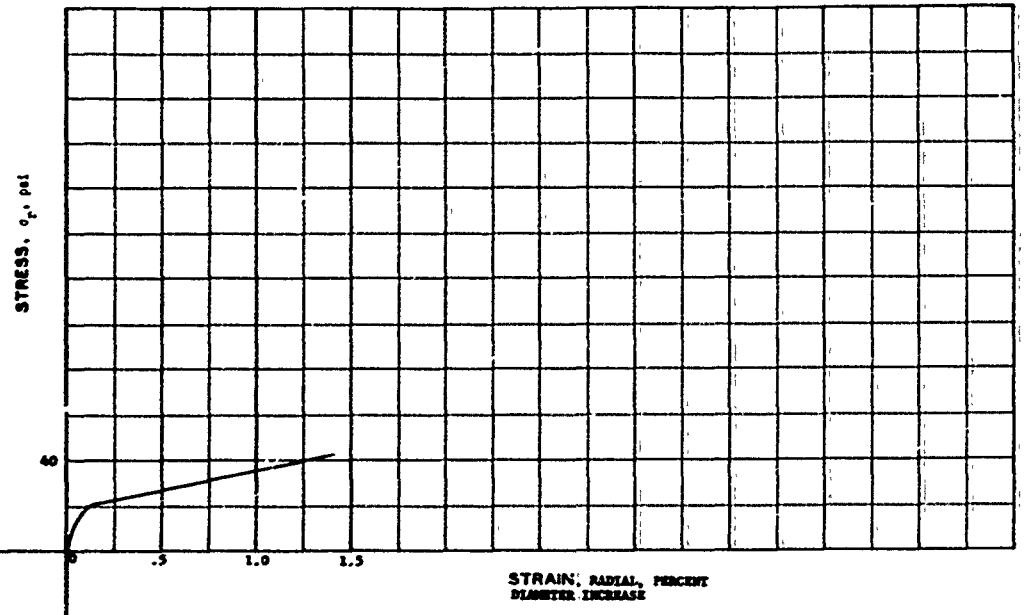
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 279
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay	
	Constant Stress Ratio, 0.4	
	Initial Pressure, 0 psi	

WATER CONTENT	w	11.92	%
VOID RATIO	e_0	0.76	
SATURATION	S_0	42.18	%
DRY DENSITY	γ_d	95.56	PCF
WET DENSITY	γ	106.95	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.46	CM
SPECIMEN HEIGHT	H_0	7.63	CM



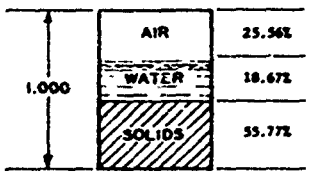
HYDROSTATIC COMPRESSION PHASE



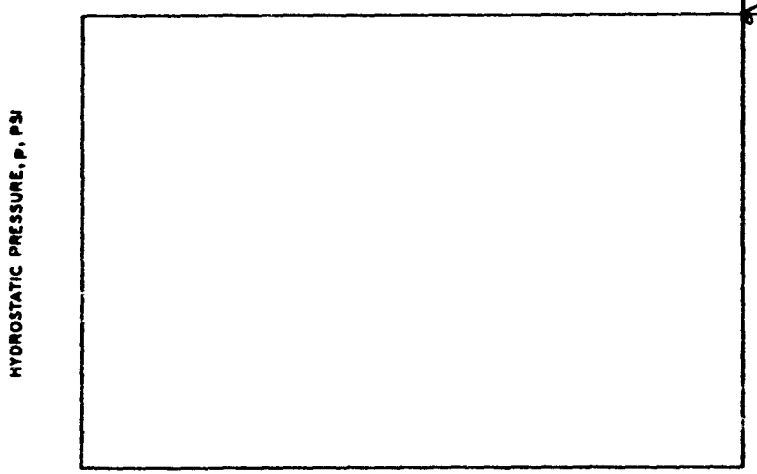


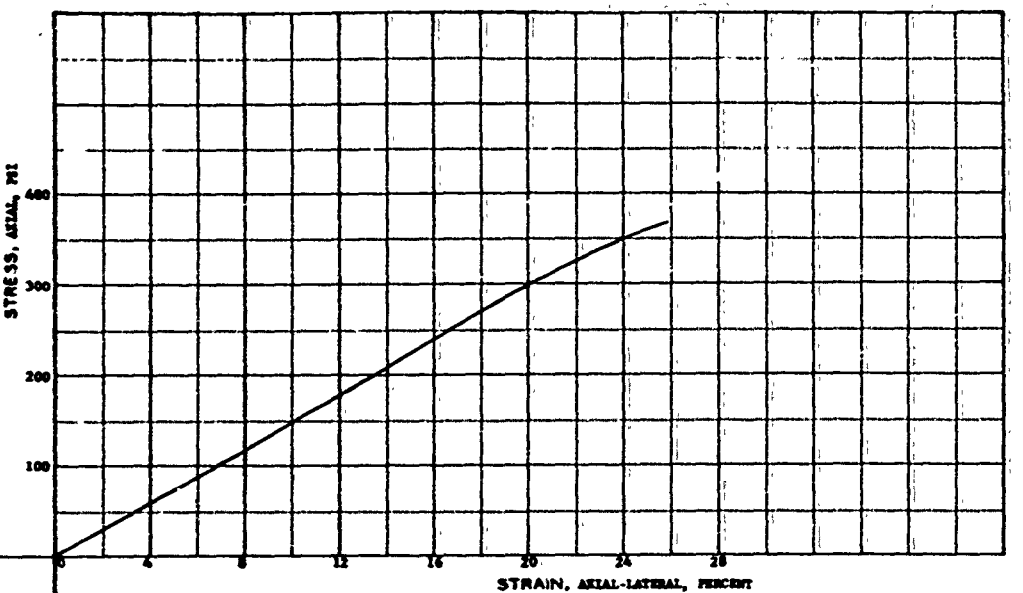
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	279
DEPTH EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay		
	Constant Stress Ratio, 0.4		
	Initial Pressure, 0 psi		

WATER CONTENT	w	12.40 %
VOID RATIO	e_o	0.79
SATURATION	S_o	42.21 %
DRY DENSITY	γ_d	93.96 PCF
WET DENSITY	γ	105.61 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_o	3.49 CM
SPECIMEN HEIGHT	H_o	7.60 CM



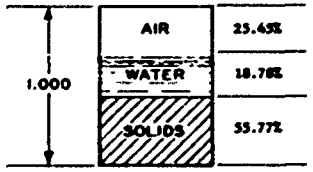
HYDROSTATIC COMPRESSION PHASE

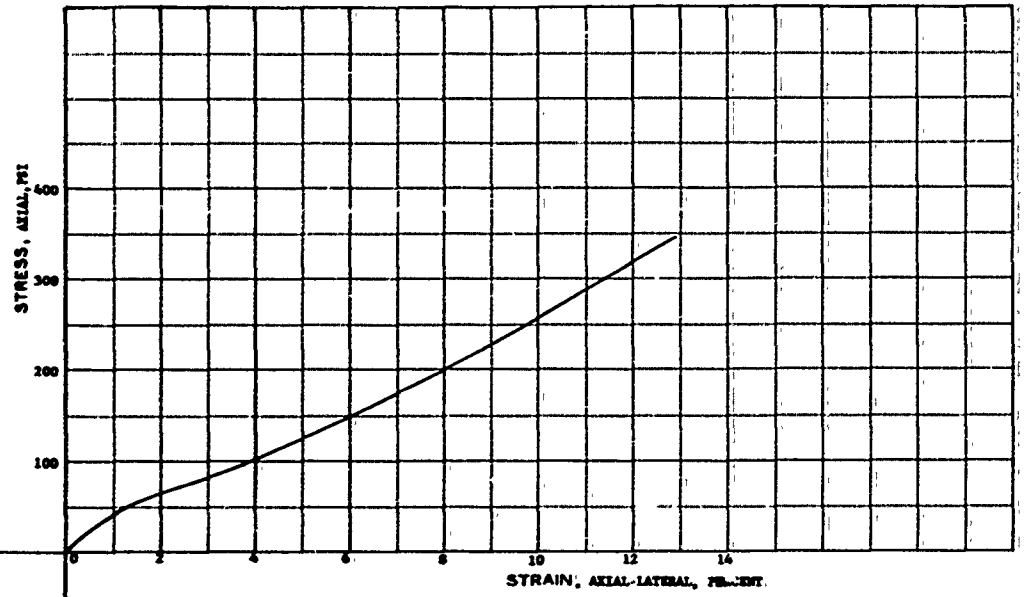




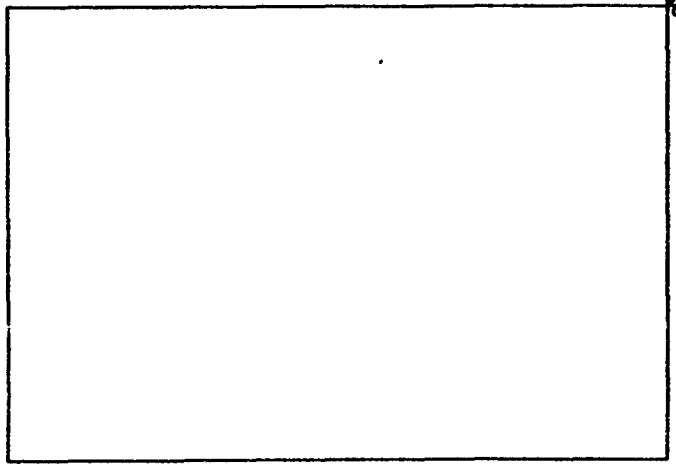
PROJECT: Ga Tech S-602; Contract No. DACA39-67-C-0051			
AREA:			
BORING NO.		SAMPLE NO. 203	
DEPTH EL		DATE	
LL 36	PL 17		PI 19
DESCRIPTION: Vicksburg Buckshot Clay; Constant Stress Ratio, 0.4; Initial Pressure, 100 psi			

WATER CONTENT	w	12.48	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	42.47	%
DRY DENSITY	γ_d	93.96	PCF
WET DENSITY	γ	105.68	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.45	CM
SPECIMEN HEIGHT	H_0	7.62	CM



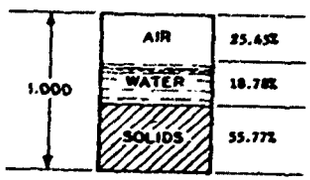


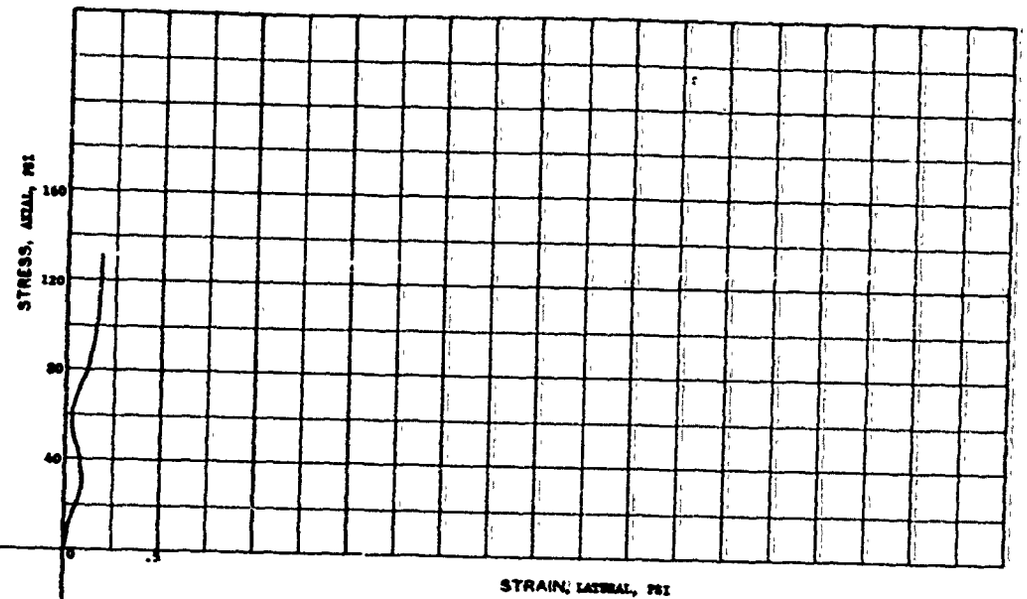
HYDROSTATIC COMPRESSION PHASE



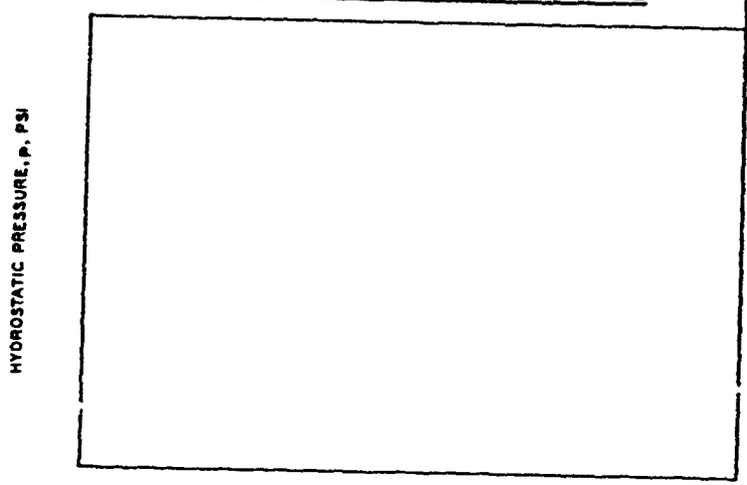
PROJECT: Ga Tech B-602;		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 207	
DEPTH EL	DATE	
LL 36	PL 17	PI 19
DESCRIPTION: Vicksburg Buckshot Clay		
Constant Stress Ratio, 0.4		
Initial Pressure, 100 psi		

WATER CONTENT	w	12.48 %
VOID RATIO	e_0	0.79
SATURATION	S_0	42.47 %
DRY DENSITY	γ_d	93.96 PCF
WET DENSITY	γ	105.68 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.62 CM



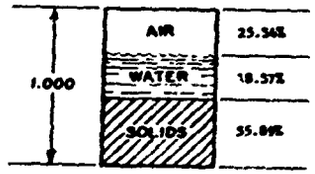


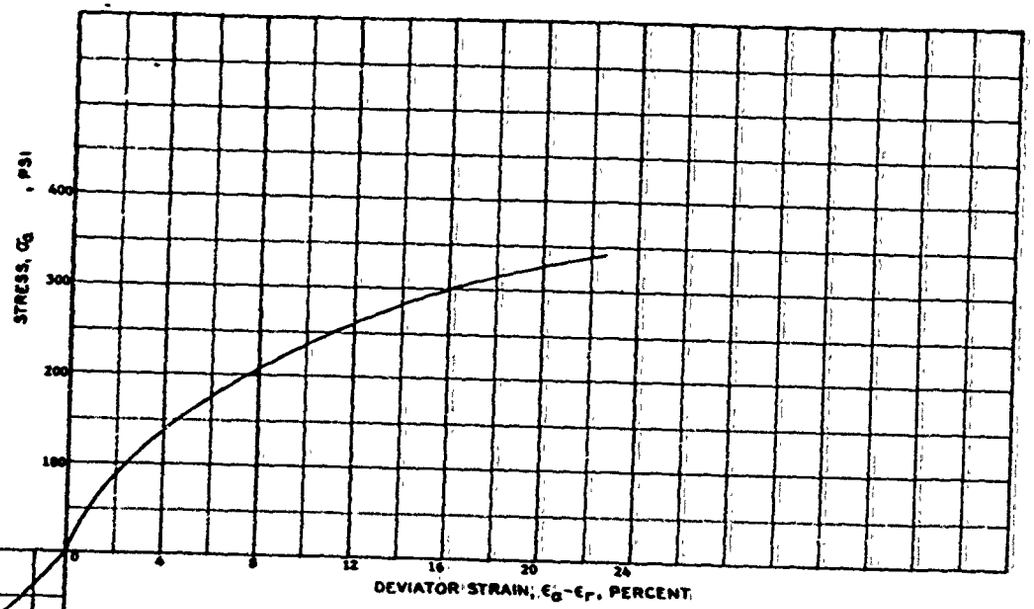
HYDROSTATIC COMPRESSION PHASE



PROJECT	Ga Tech B-602;	
	Contract No. DACA39-67-C-0031	
AREA		
BORING NO.		SAMPLE NO: 207
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Yorkville Silt Clay	
	Constant Stress Ratio, 0.4	
	Initial Pressure, 100 psi	

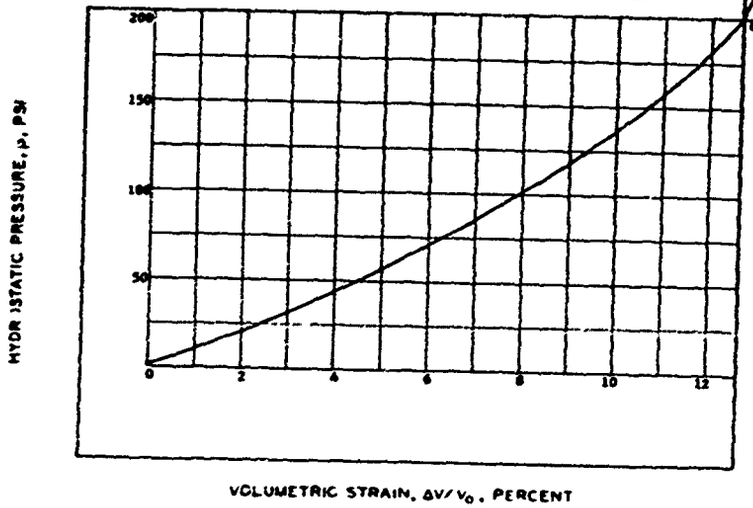
WATER CONTENT	w	12.31 %
VOID RATIO	e_0	0.79
SATURATION	S_0	42.09 %
DRY DENSITY	γ_d	94.15 PCF
WET DENSITY	γ	105.74 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.48 CM
SPECIMEN HEIGHT	H_0	7.63 CM





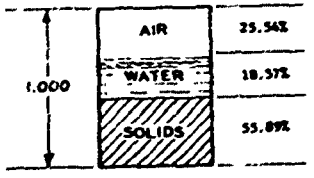
TRIAXIAL SHEAR PHASE

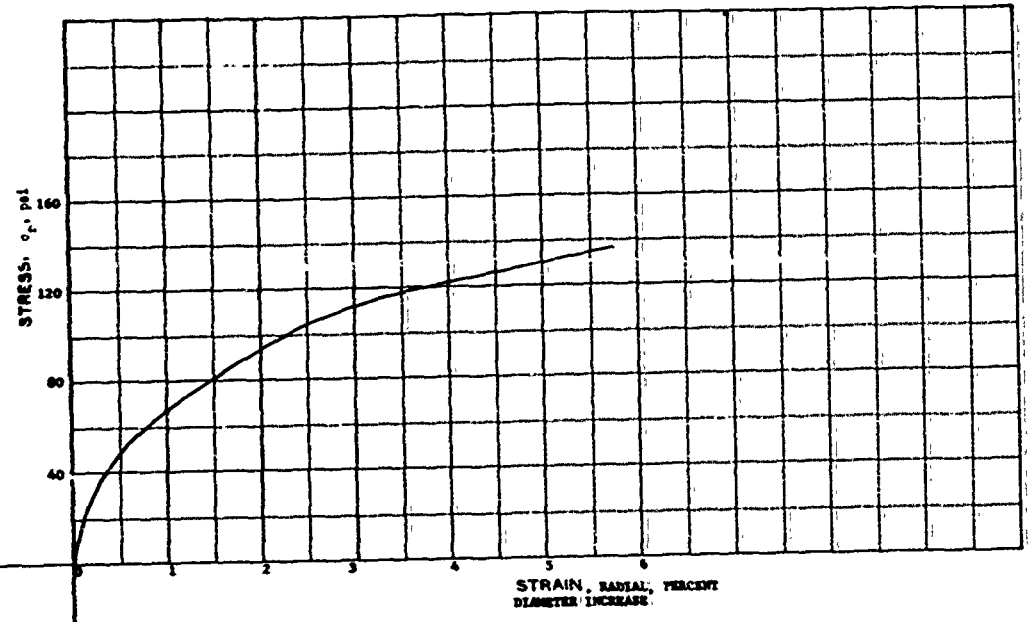
HYDROSTATIC COMPRESSION PHASE



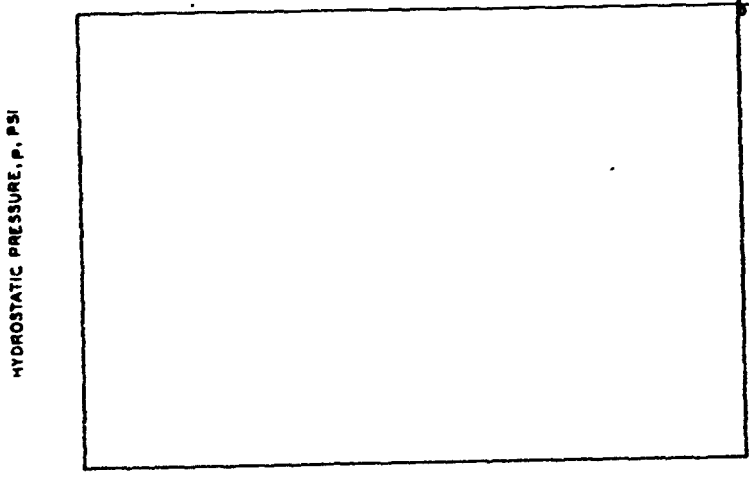
PROJECT: Georgia Institute of Technology B-602			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 237	
DEPTH EL		DATE	
LL 36	PL 17		PI 19
DESCRIPTION Watching Hill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 200 psi			

WATER CONTENT	w	12.31 %
VOID RATIO	e_0	0.79
SATURATION	S_8	42.09 %
DRY DENSITY	γ_d	94.15 PCF
WET DENSITY	γ	105.76 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.48 CM
SPECIMEN HEIGHT	H_0	7.63 CM



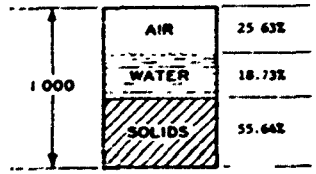


HYDROSTATIC COMPRESSION PHASE

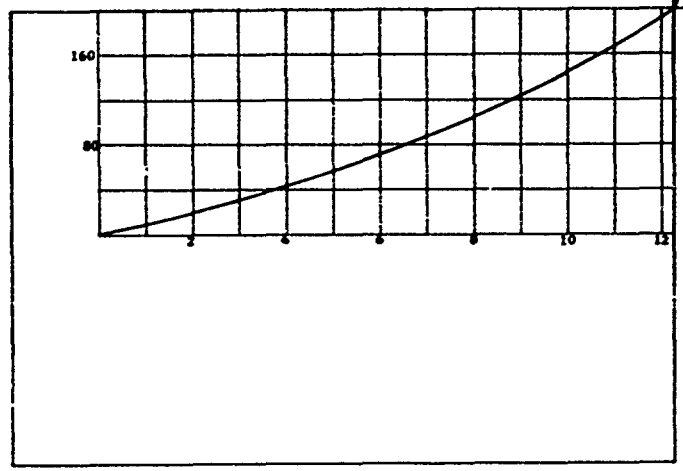


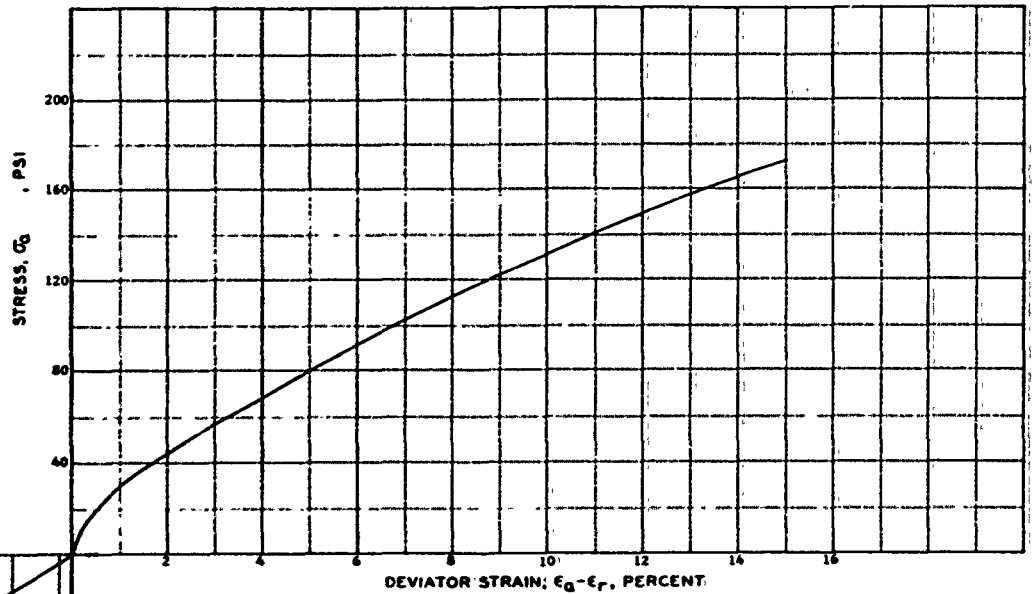
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO. 237	
DEPTH EL.		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION	Hatching Mill Clay		
	Constant Stress Ratio, 0.4		
	Initial Pressure, 200 psi		

WATER CONTENT	w	12.67	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	42 22	%
DRY DENSITY	γ_d	93.75	PCF
WET DENSITY	γ	105 43	PCF
SPECIFIC GRAVITY	G_s	2 70	
SPECIMEN DIAMETER	D_0	3 50	CM
SPECIMEN HEIGHT	H_0	7 62	CM



HYDROSTATIC COMPRESSION PHASE

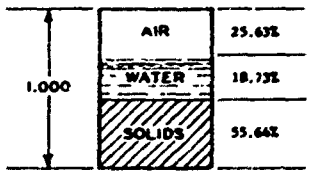


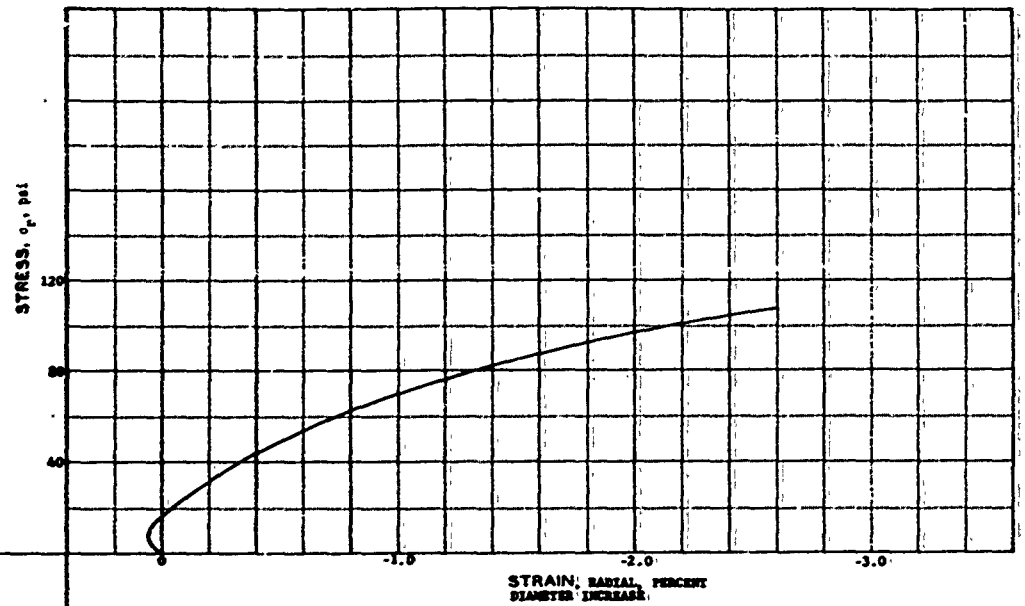


TRIAXIAL SHEAR PHASE

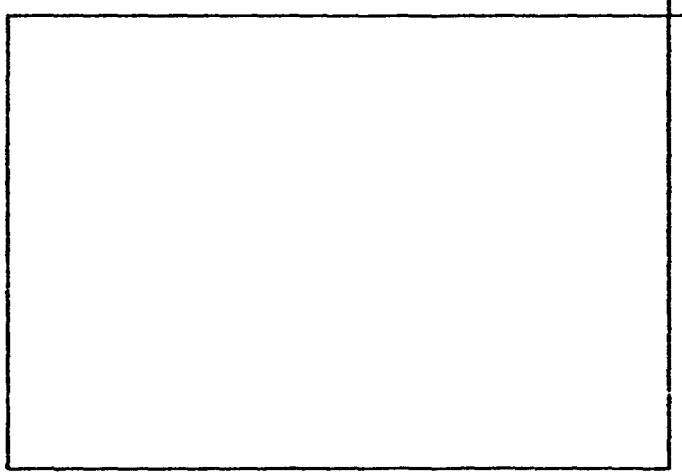
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	238
DEPTH		DATE	
EL			
LL	36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay		
	Constant Stress Ratio, 0.4		
	Initial Pressure 200 PSI		

WATER CONTENT	w	12.67	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	42.22	%
DRY DENSITY	γ_d	93.75	PCF
WET DENSITY	γ	105.63	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.62	CM



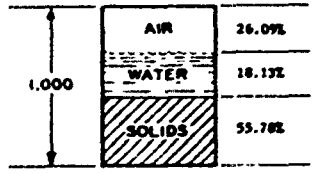


HYDROSTATIC COMPRESSION PHASE

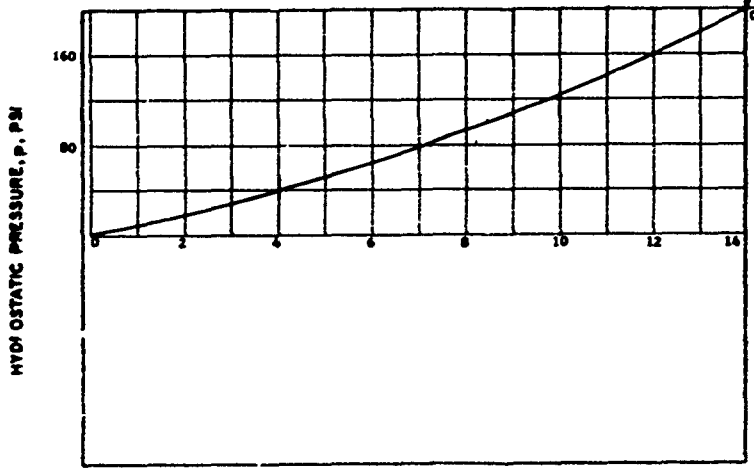


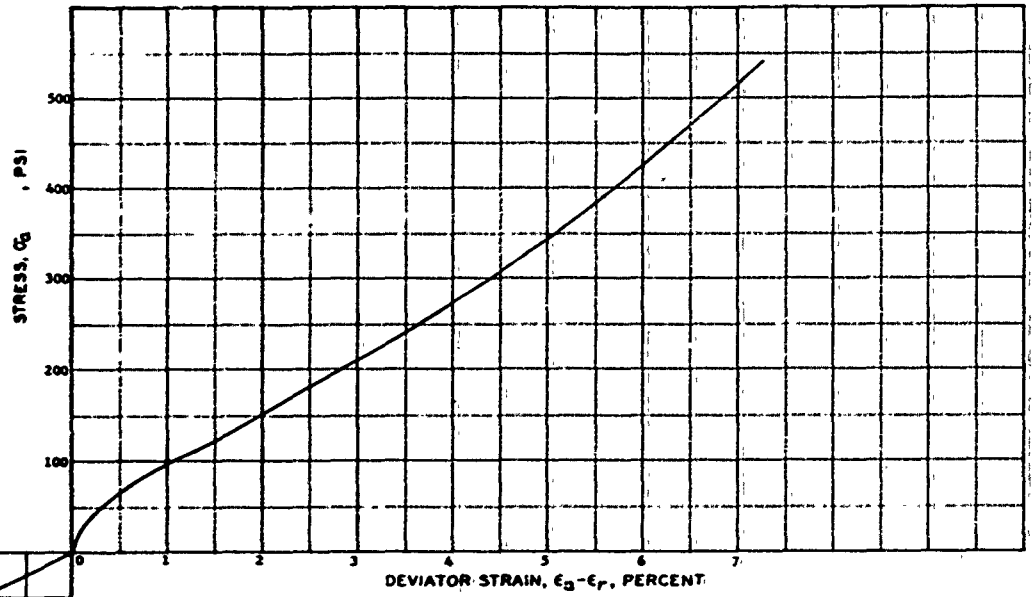
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 238
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay	
	Constant Stress Ratio, 0.4	
	Initial Pressure 200 psi	

WATER CONTENT	w	12.06	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	41.00	%
DRY DENSITY	γ_d	93.98	PCF
WET DENSITY	γ	105.29	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.63	CM



HYDROSTATIC COMPRESSION PHASE

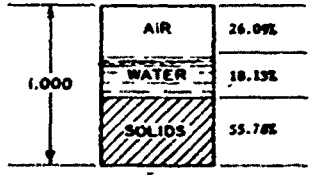




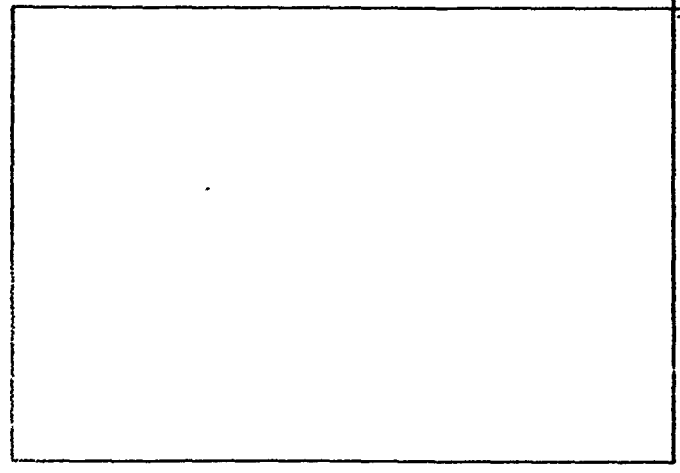
TRIAXIAL SHEAR PHASE

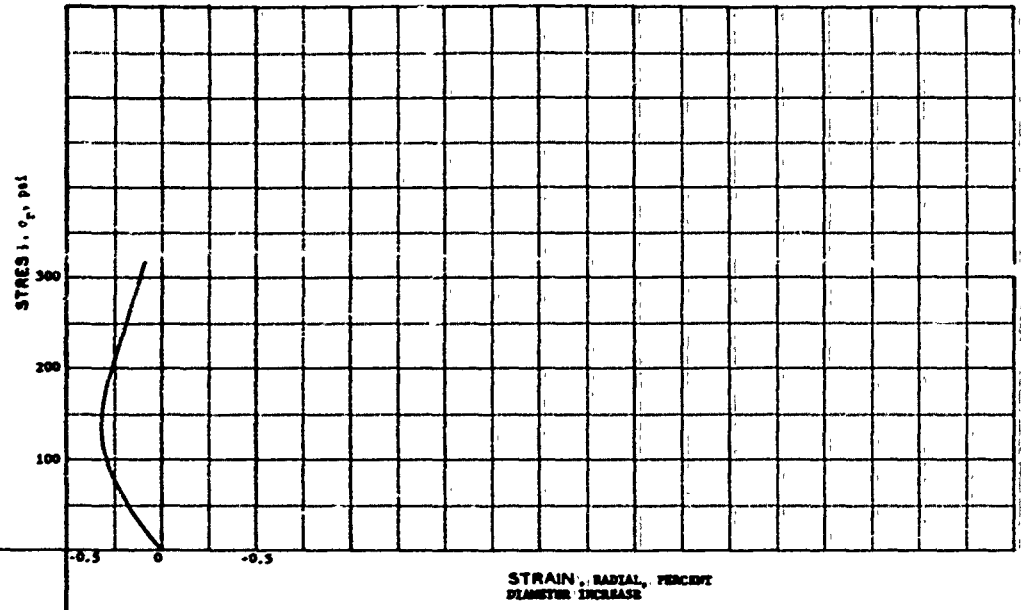
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 239	
DEPTH / EL	DATE	
LL 36	PL 17	PI 19
DESCRIPTION: Matching Hill Clay		
Constant Stress Ratio, 0.4		
Initial Pressure, 200 psi		

WATER CONTENT	w	12.06	%
VOID RATIO	e_o	0.79	
SATURATION	S_o	41.00	%
DRY DENSITY	γ_d	93.98	PCF
WET DENSITY	γ	105.29	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_o	3.69	CM
SPECIMEN HEIGHT	H_o	7.63	CM



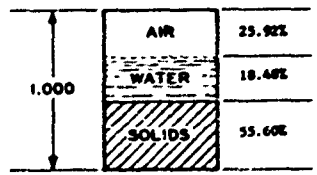
HYDROSTATIC COMPRESSION PHASE



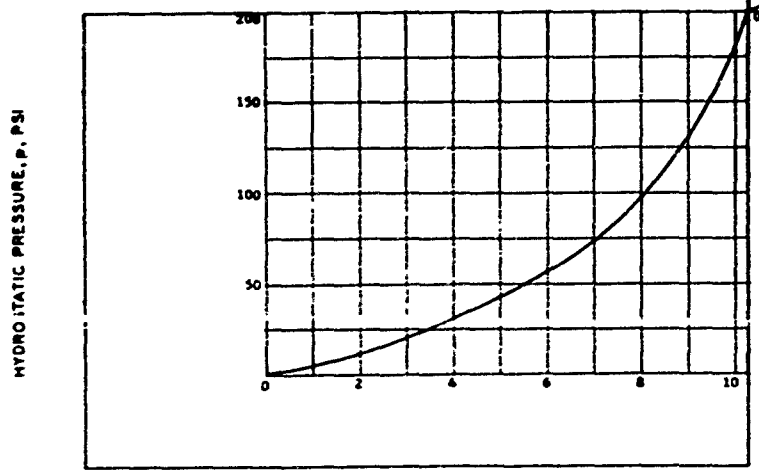


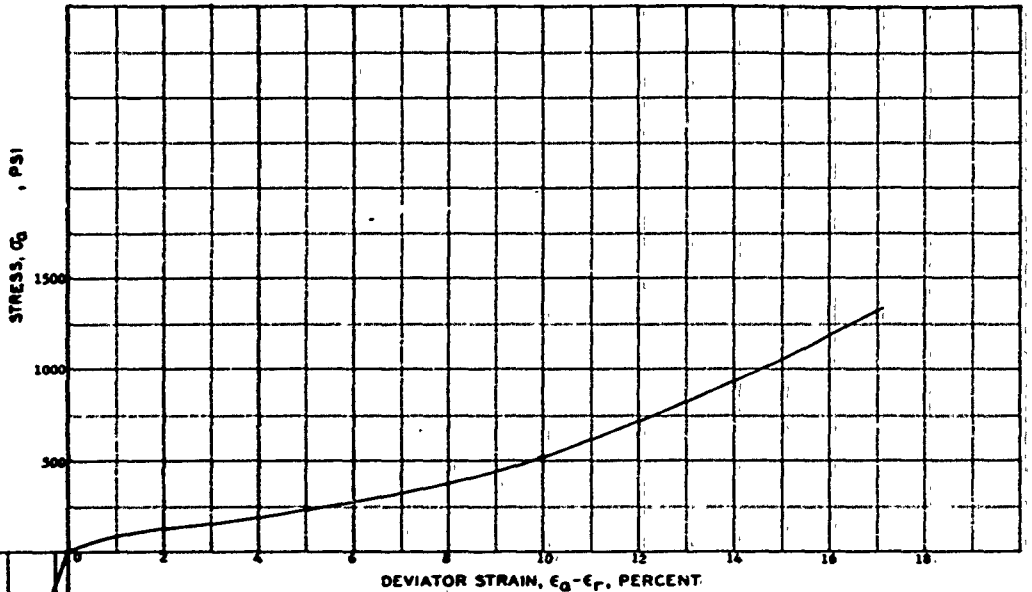
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 239
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay	
	Constant Stress Ratio, 0.4	
	Initial Pressure, 200 psi	

WATER CONTENT	w	12.31	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.61	%
DRY DENSITY	γ_d	93.68	PCF
WET DENSITY	γ	105.21	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.63	CM



HYDROSTATIC COMPRESSION PHASE

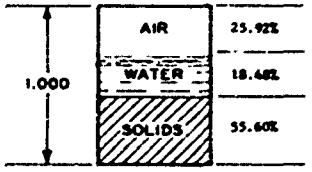


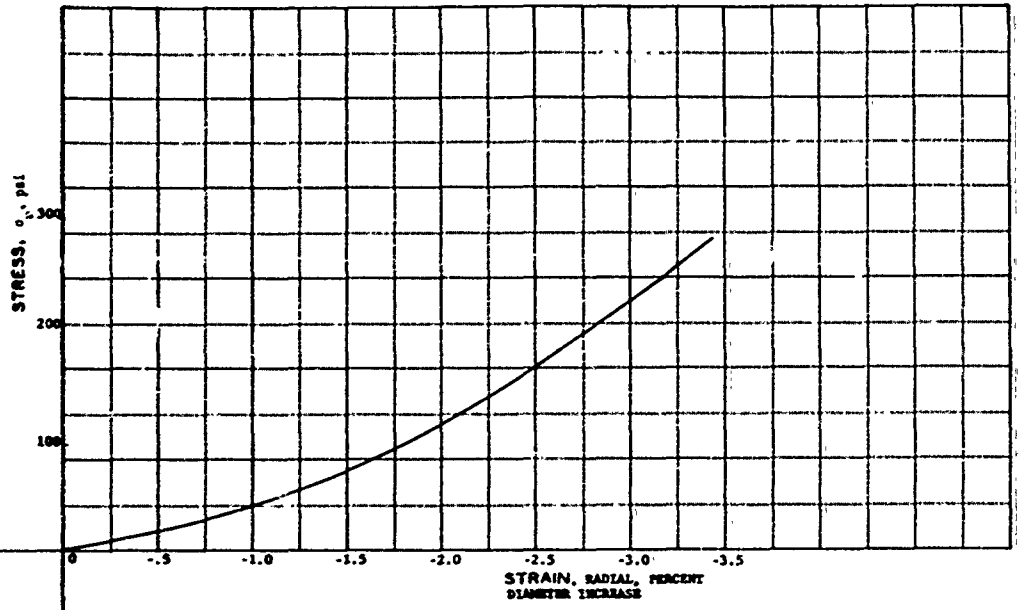


TRIAXIAL SHEAR PHASE

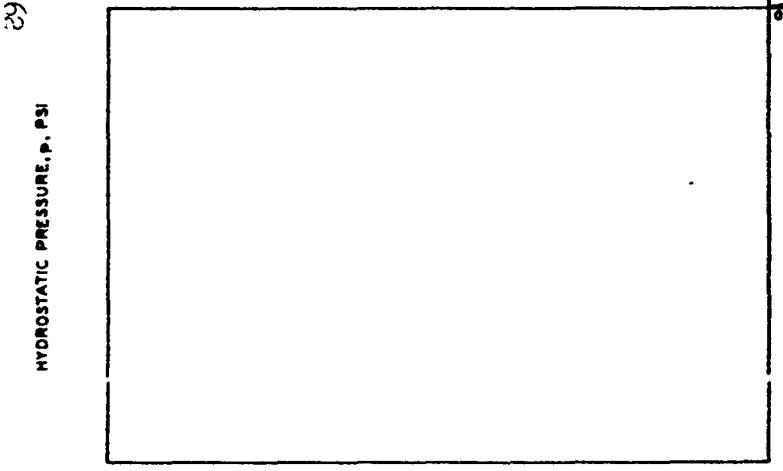
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 255
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay	
	Constant Stress Ratio, 0.4	
	Initial Pressure, 200 psi	

WATER CONTENT	w	12.31	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.61	%
DRY DENSITY	γ_d	93.68	PCF
WET DENSITY	γ	105.21	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.63	CM



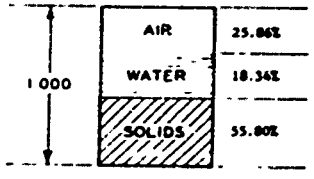


HYDROSTATIC COMPRESSION PHASE

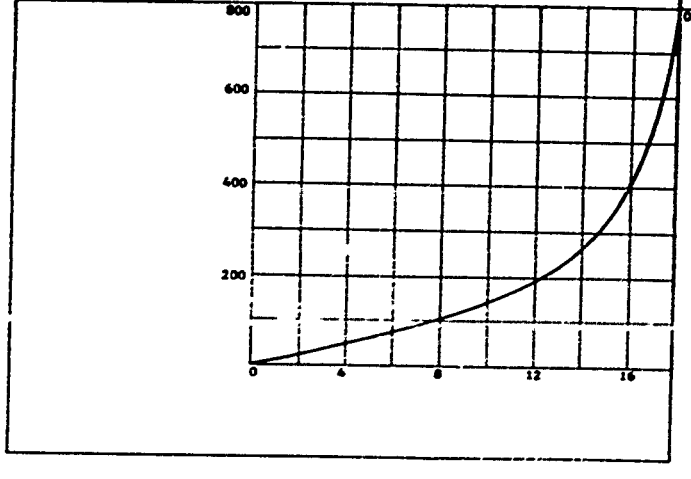


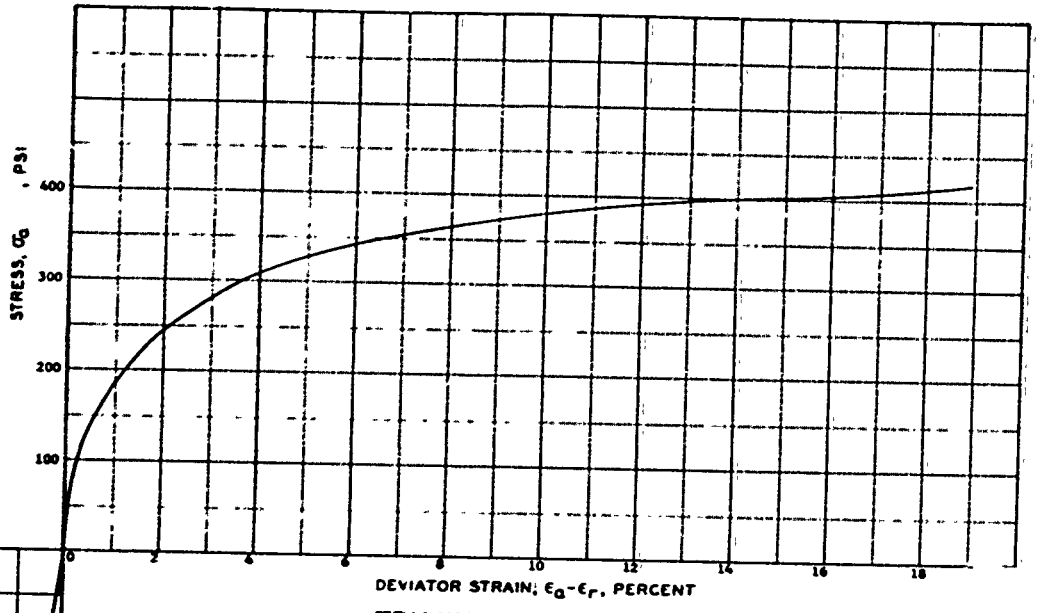
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 255
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay	
	Constant Stress Ratio, 0.4	
	Initial Pressure, 200 psi	

WATER CONTENT	w	12.17	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	41.50	%
DRY DENSITY	γ_d	96.01	PCF
WET DENSITY	γ	105.65	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.62	CM



HYDROSTATIC COMPRESSION PHASE

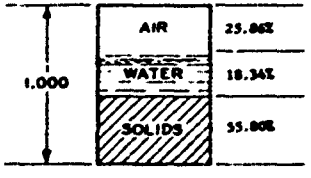


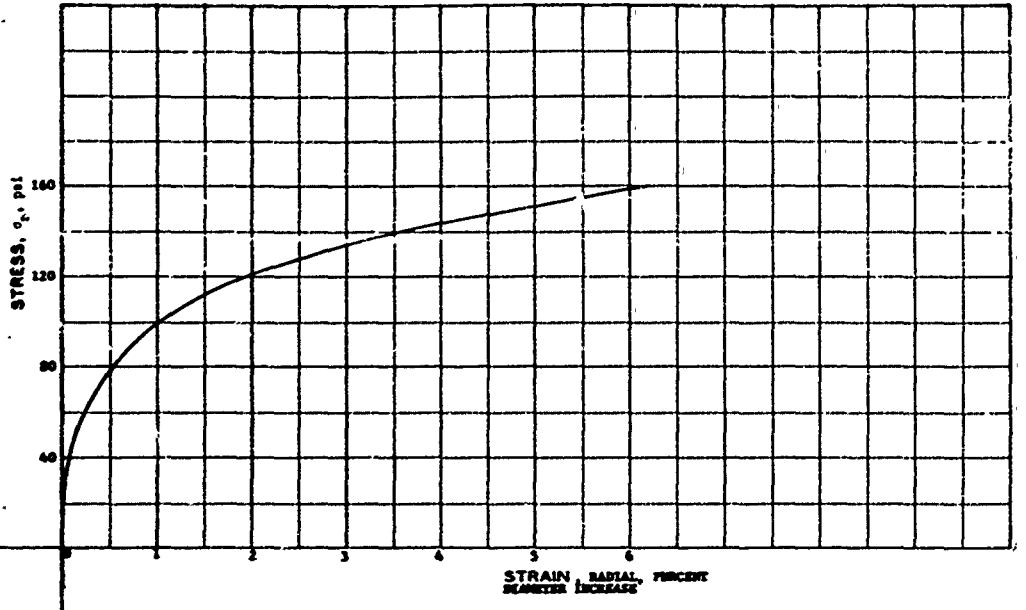


TRIAXIAL SHEAR PHASE

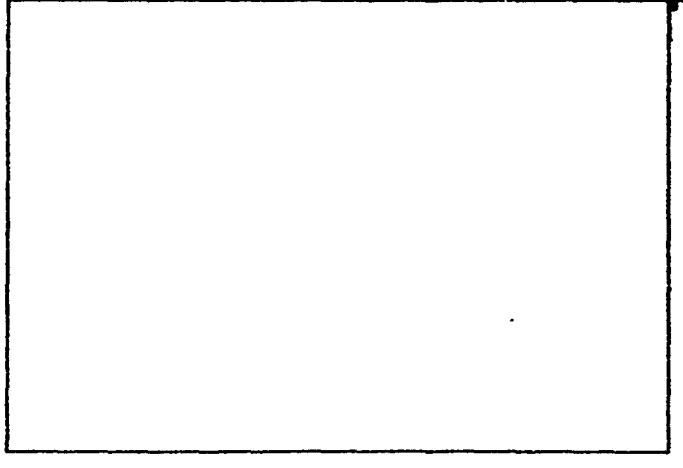
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	244
DEPTH			
EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Watching Mill Clay		
	Constant Stress Ratio, σ_3/σ_1 0.4		
	Initial Pressure 800 psi		

WATER CONTENT	w	12.17	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	41.50	%
DRY DENSITY	γ_d	96.01	PCF
WET DENSITY	γ	105.45	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.62	CM



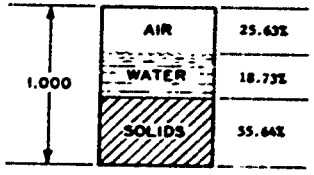


HYDROSTATIC COMPRESSION PHASE

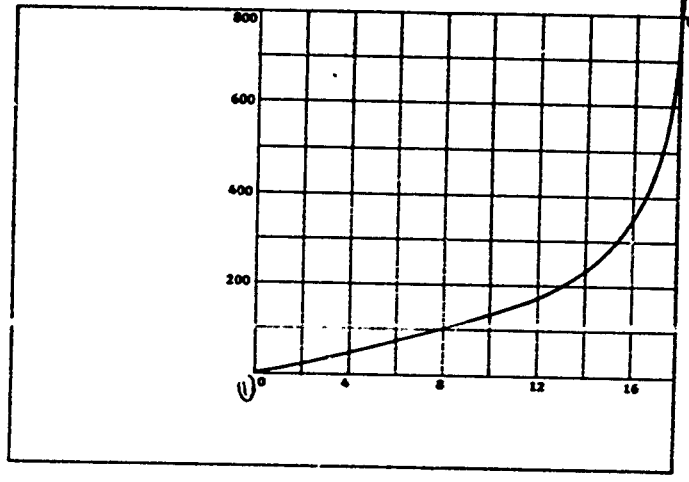


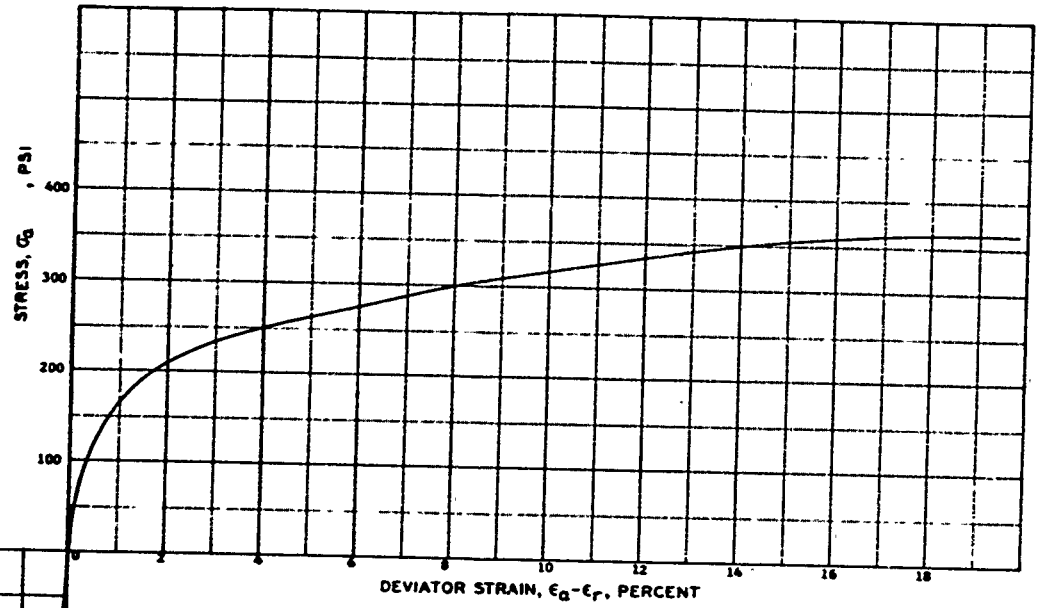
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA19-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	244
DEPTH EL		DATE	
LL 36	PL 17	PI	19
DESCRIPTION	Matching Hill Clay		
	Constant Stress Ratio, 0.4		
	Initial Pressure, 800 psi		

WATER CONTENT	w	12.47 %
VOID RATIO	e_0	0.80
SATURATION	S_0	42.22 %
DRY DENSITY	γ_d	93.75 PCF
WET DENSITY	γ	105.43 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.63 CM



HYDROSTATIC COMPRESSION PHASE

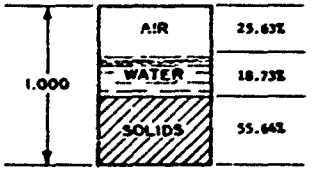


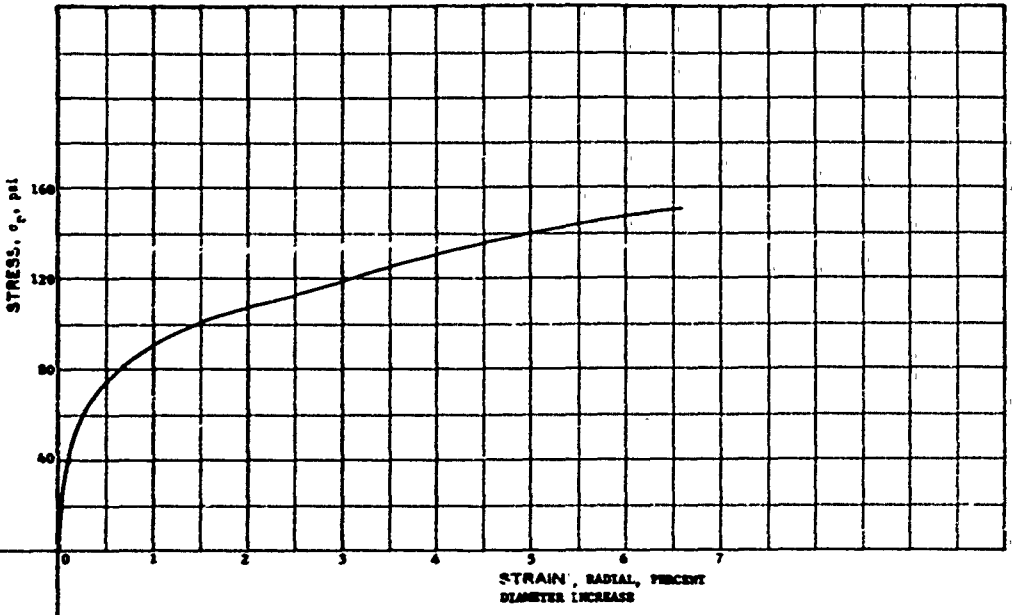


TRIAXIAL SHEAR PHASE

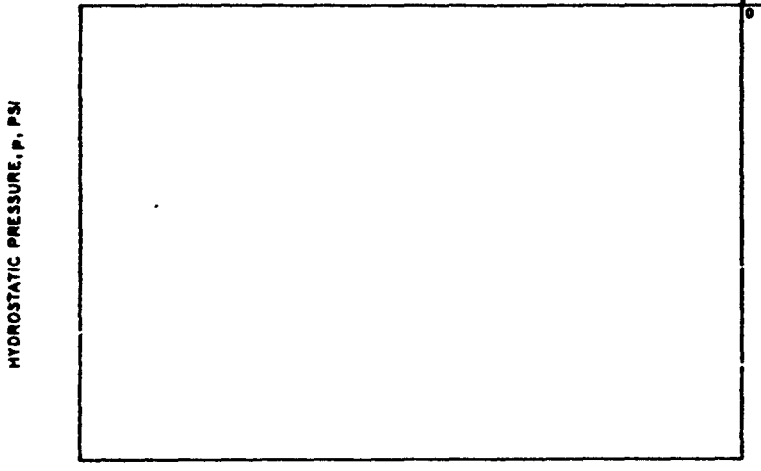
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 261
DEPTH		
EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay	
	Constant Stress Ratio, 0.4	
	Initial Pressure, 800 psi	

WATER CONTENT	w	12.47 %
VOID RATIO	e_0	0.80
SATURATION	S_0	42.22 %
DRY DENSITY	γ_d	93.75 PCF
WET DENSITY	γ	105.43 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.63 CM



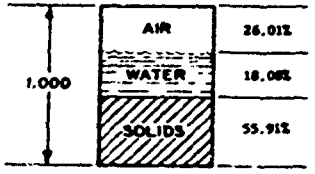


HYDROSTATIC COMPRESSION PHASE

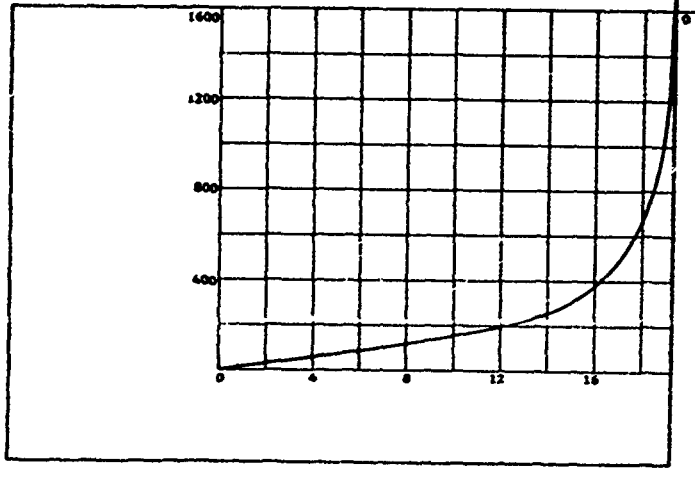


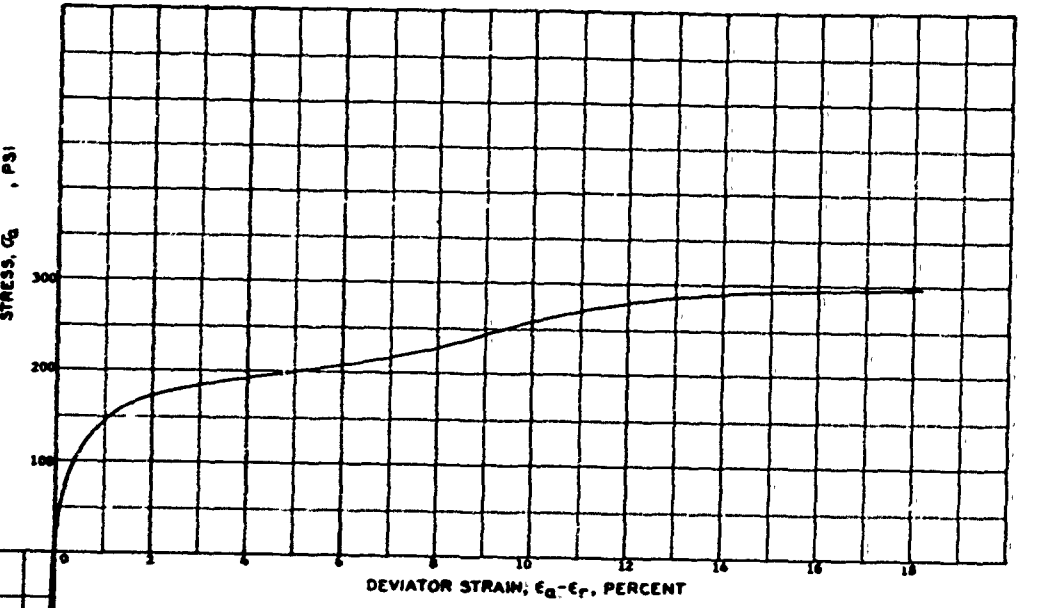
PROJECT	Georgia Institute of Technology b-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 261
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Hutchins Hill Clay	
	Constant Stress Ratio, 0.6	
	Initial Pressure, 600 psi	

WATER CONTENT	w	11.98 %
VOID RATIO	e_0	0.79
SATURATION	S_0	41.01 %
DRY DENSITY	γ_d	96.19 PCF
WET DENSITY	γ	105.48 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.63 CM



HYDROSTATIC COMPRESSION PHASE

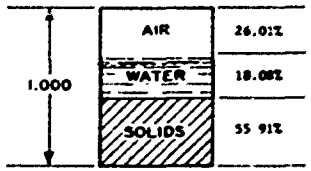


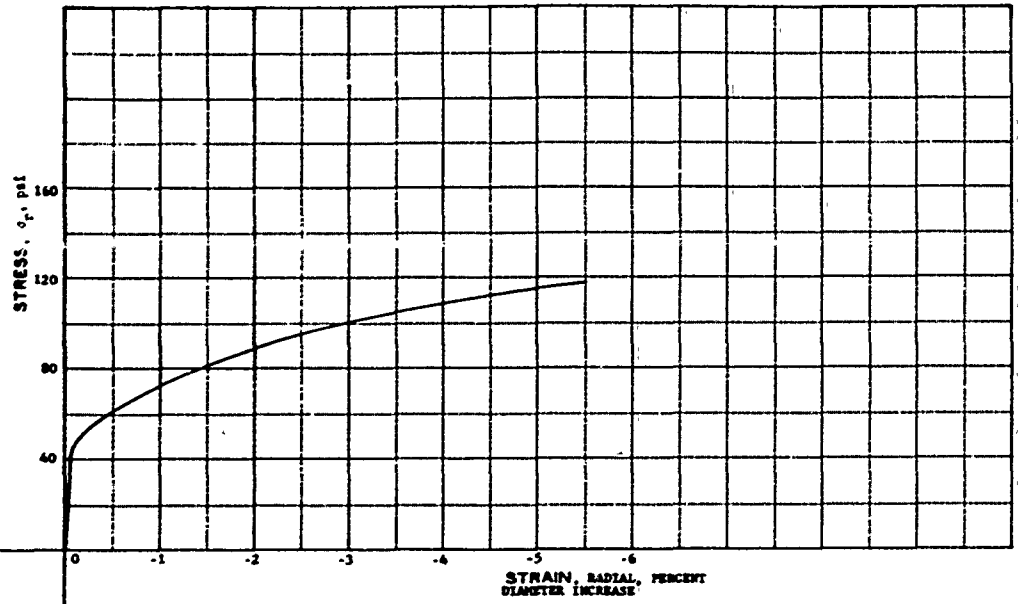


TRIAXIAL SHEAR PHASE

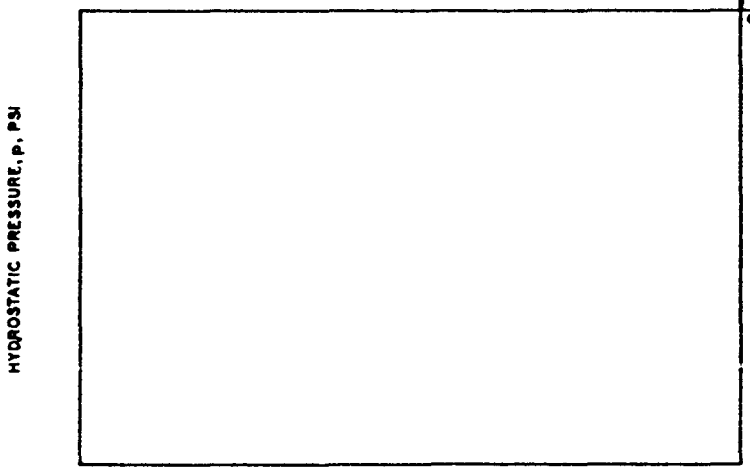
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO. 240	
DEPTH EL		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION	Watching Hill Clay		
	Constant Stress Ratio, 0.4		
	Initial Pressure, 1600 psi		

WATER CONTENT	W	11.98 %
VOID RATIO	e_0	0.79
SATURATION	S_0	41.01 %
DRY DENSITY	γ_d	94.19 PCF
WET DENSITY	γ	105.48 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.63 CM



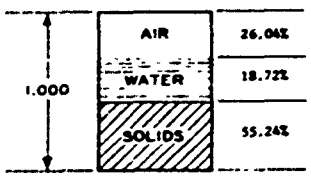


HYDROSTATIC COMPRESSION PHASE

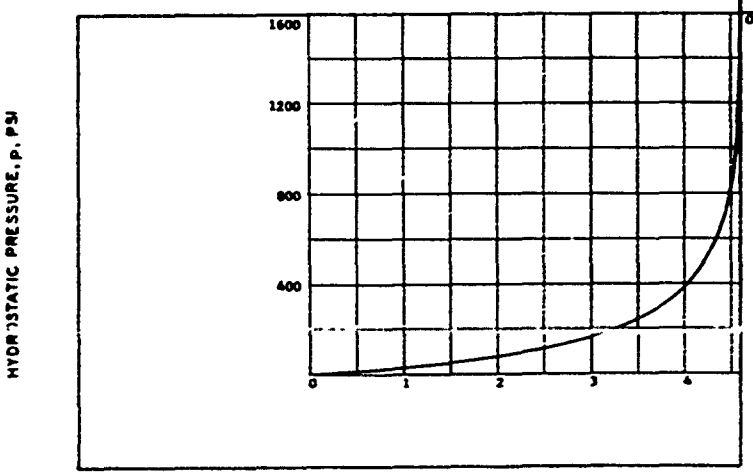


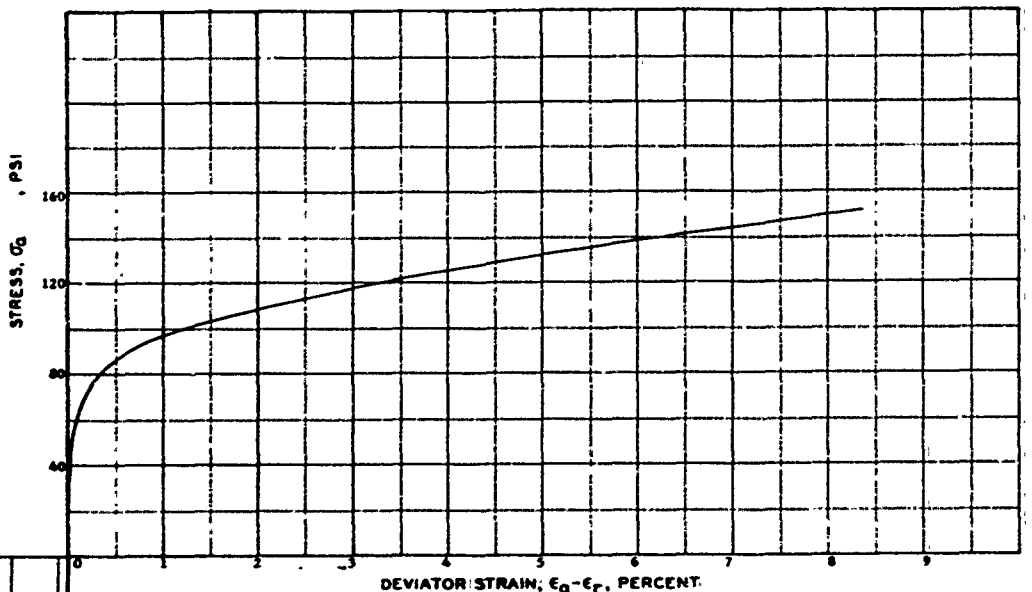
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO 240
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay	
	Constant Stress Ratio, 0.4	
	Initial Pressure, 1600 psi	

WATER CONTENT	w	12.56 %
VOID RATIO	e_o	0.81
SATURATION	S_o	41.84 %
DRY DENSITY	γ_d	93.06 PCF
WET DENSITY	γ	106.75 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_o	3.50 CM
SPECIMEN HEIGHT	H_o	7.62 CM



HYDROSTATIC COMPRESSION PHASE

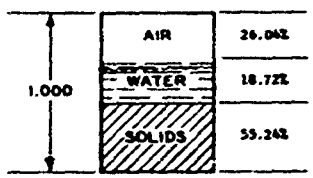


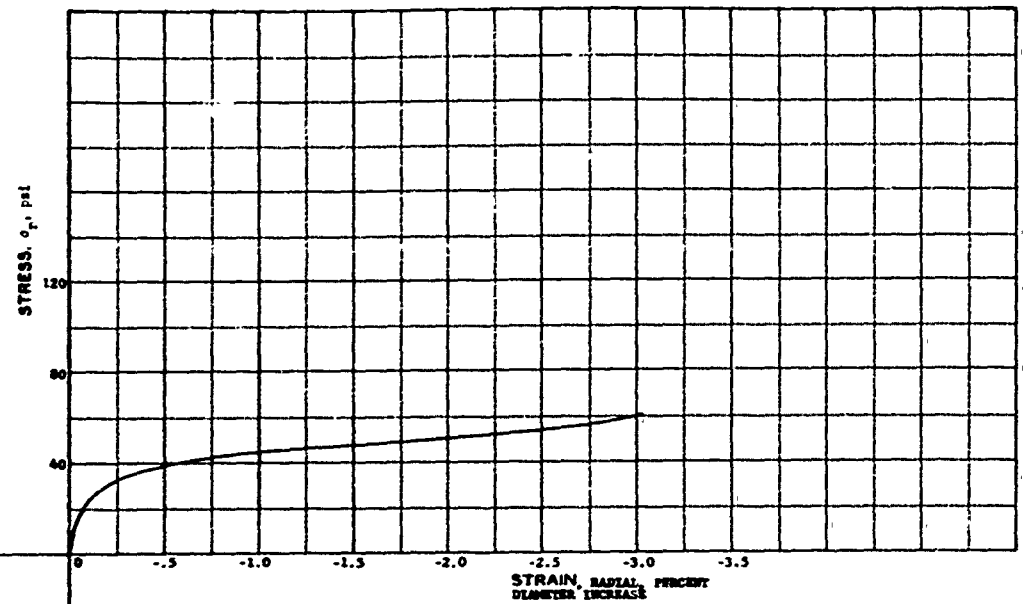


TRIAXIAL SHEAR PHASE

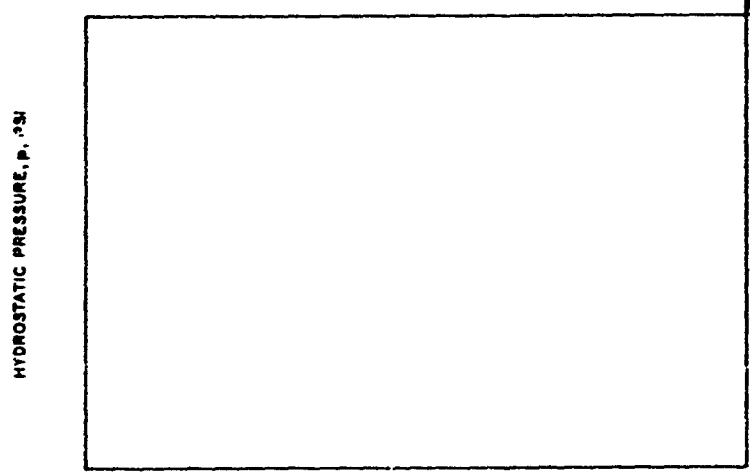
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 307
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay	
	Constant Stress Ratio, 0.4	
	Initial Pressure, 1600 psi	

WATER CONTENT	w	12.56 %
VOID RATIO	e_0	0.81
SATURATION	S_0	41.84 %
DRY DENSITY	γ_d	93.06 PCF
WET DENSITY	γ	104.75 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.62 CM





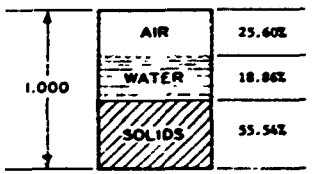
HYDROSTATIC COMPRESSION PHASE



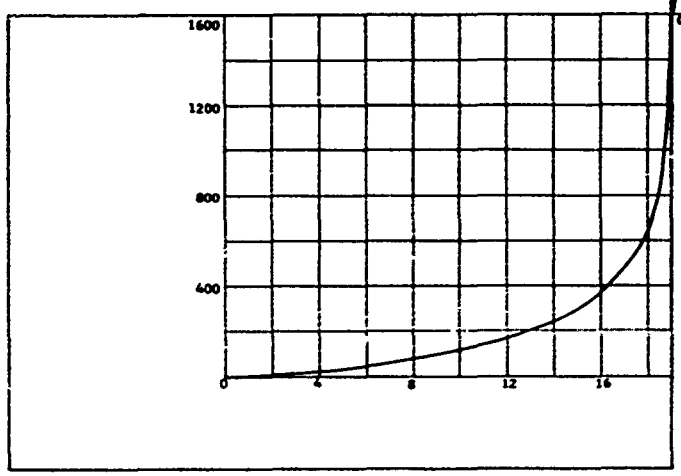
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	307
DEPTH EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Natchez Hill Clay		
	Constant Stress Ratio, 0.4		
	Initial Pressure, 1600 psi		

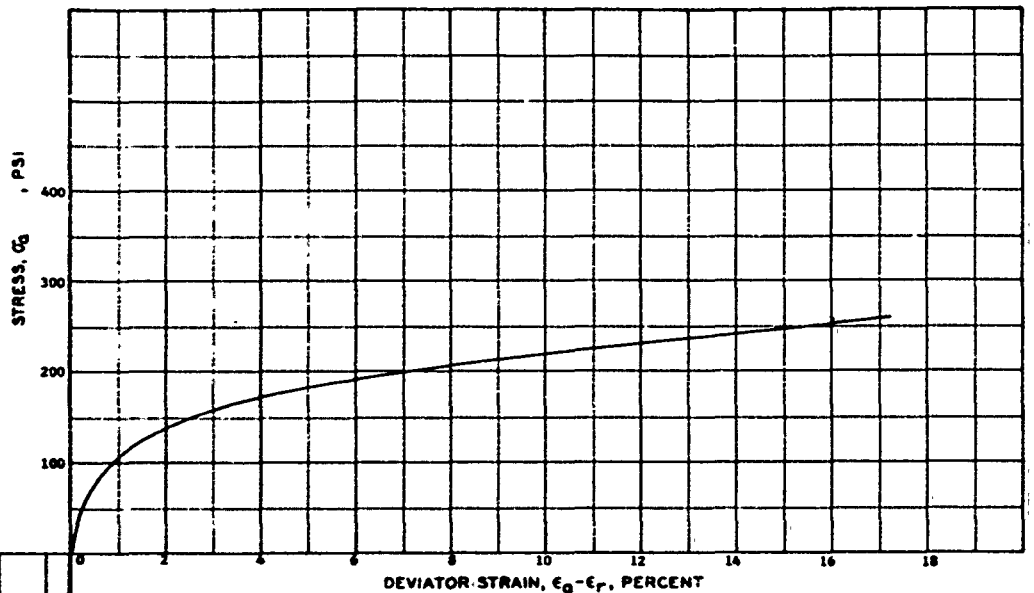
270

WATER CONTENT	w	12.57 %
VOID RATIO	e_0	0.80
SATURATION	S_0	42.41 %
DRY DENSITY	γ_d	93.57 PCF
WET DENSITY	γ	105.34 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.62 CM



HYDROSTATIC COMPRESSION PHASE

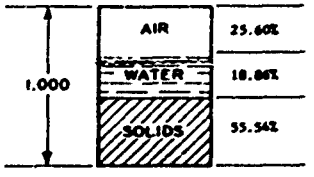


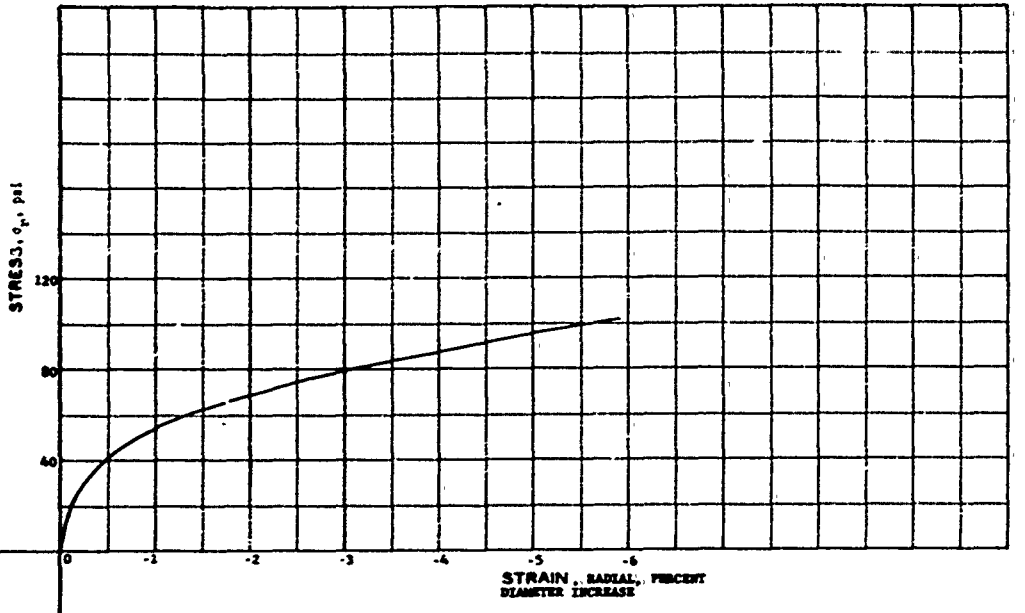


TRIAXIAL SHEAR PHASE

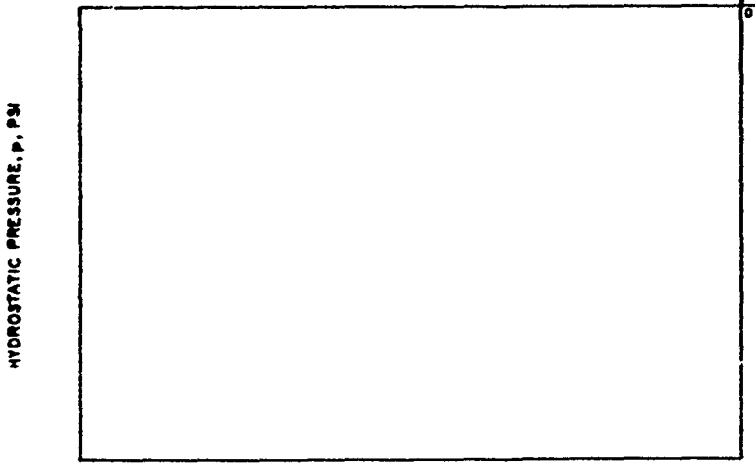
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	329
DEPTH EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay		
	Constant Stress Ratio, 0.4		
	Initial Pressure, 1600 psi		

WATER CONTENT	w	12.57	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	42.41	%
DRY DENSITY	γ_d	93.57	PCF
WET DENSITY	γ	105.34	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.62	CM





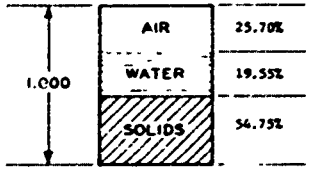
HYDROSTATIC COMPRESSION PHASE



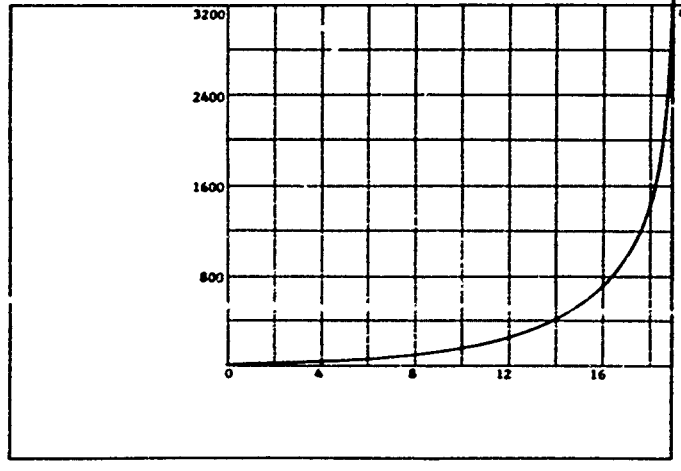
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING P.O.		SAMPLE NO. 179
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay	
	Constant Stress Ratio, 0.4	
	Initial Pressure, 1600 psi	

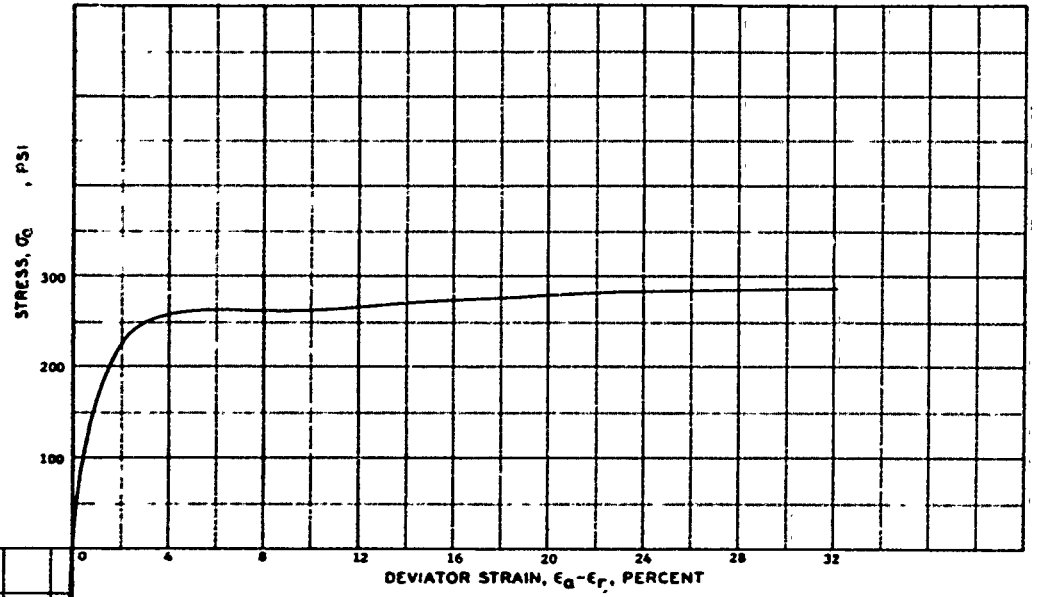
2/2

WATER CONTENT	w	13.22	%
VOID RATIO	e_0	0.83	
SATURATION	S_0	43.20	%
DRY DENSITY	γ_d	92.25	PCF
WET DENSITY	γ	106.45	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.57	CM
SPECIMEN HEIGHT	H_0	7.36	CM



HYDROSTATIC COMPRESSION PHASE

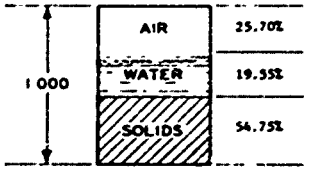


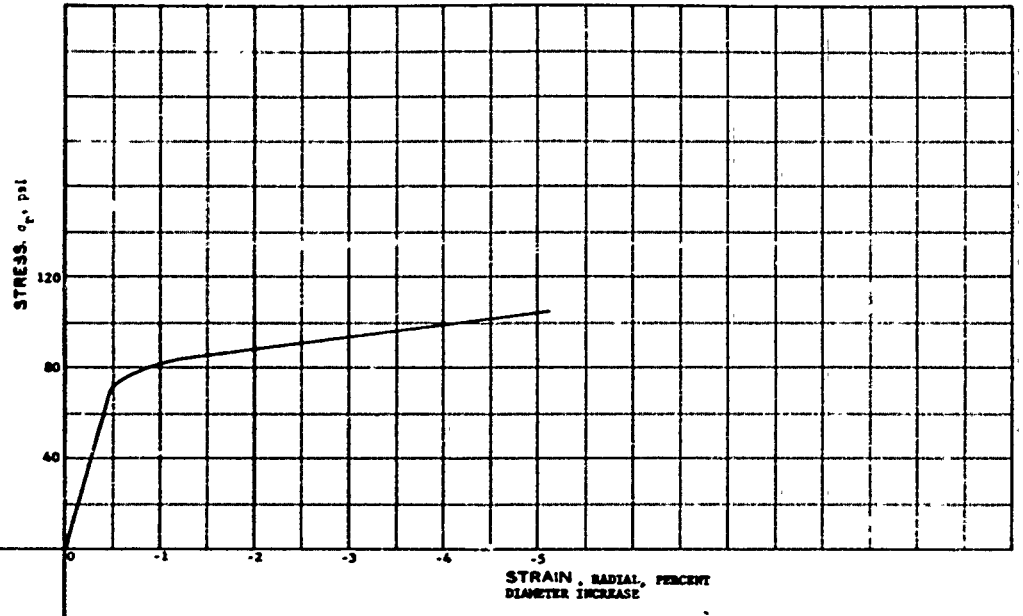


TRIAXIAL SHEAR PHASE

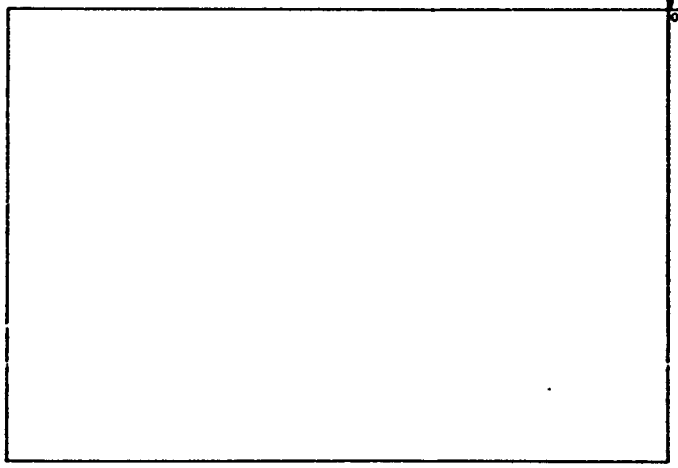
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	303
DEPTH EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Matching Hill Clay		
	Constant Stress Ratio, 0.4		
	Initial Pressure, 3200 psi		

WATER CONTENT	w	13.22 %
VOID RATIO	e_0	0.83
SATURATION	S_0	43.20 %
DRY DENSITY	γ_d	92.25 PCF
WET DENSITY	γ	104.45 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.57 CM
SPECIMEN HEIGHT	H_0	7.16 CM



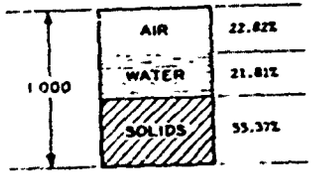


HYDROSTATIC COMPRESSION PHASE

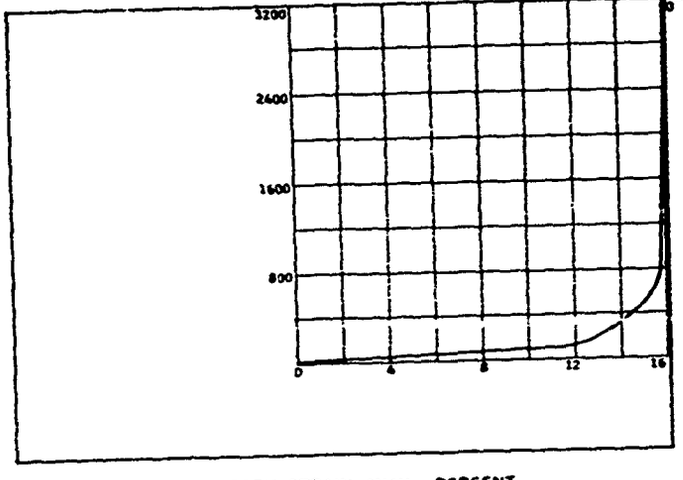


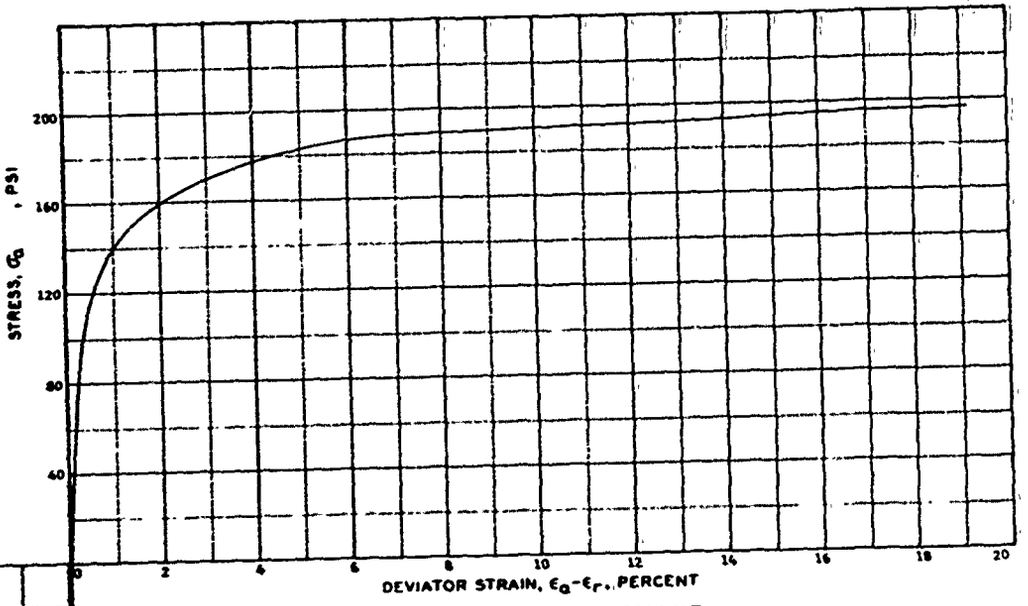
PROJECT	Georgia Institute of Technology B-622		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO. 303	
DEPTH EL		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION	Watchieg Hill Clay		
	Constant Stress Ratio, 0.4		
	Initial Pressure, 3200 psi		

WATER CONTENT	w	14.59	%
VOID RATIO	e_0	0.81	
SATURATION	S_0	48.86	%
DRY DENSITY	γ_d	93.29	PCF
WET DENSITY	γ	106.90	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.62	CM



HYDROSTATIC COMPRESSION PHASE

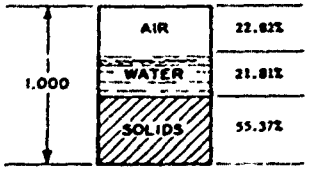


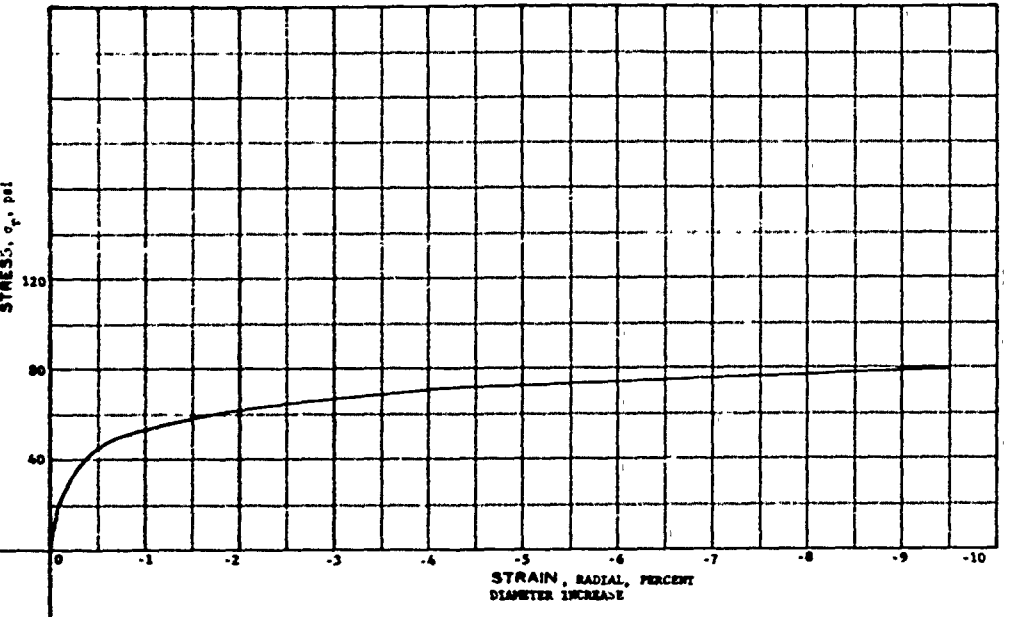


TRIAXIAL SHEAR PHASE

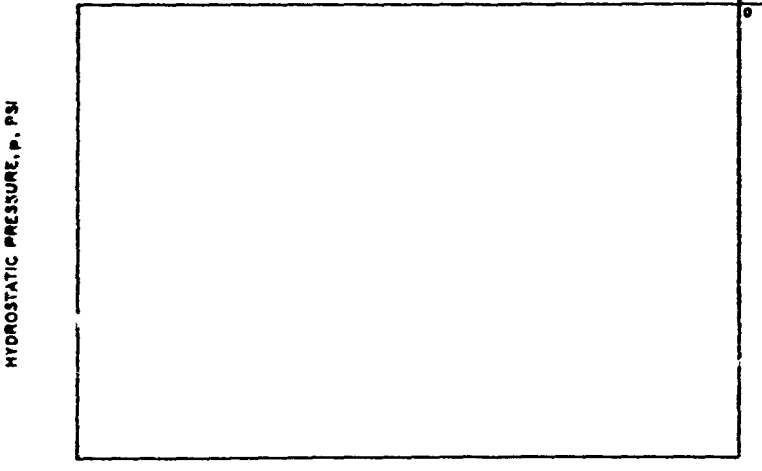
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	308
DEPTH EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay		
	Constant Stress Ratio, 0.4		
	Initial Pressure, 3200 psi		

WATER CONTENT	w	14.59 %
VOID RATIO	e_0	0.81
SATURATION	S_0	48.86 %
DRY DENSITY	γ_d	93.29 PCF
WET DENSITY	γ	106.90 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.62 CM



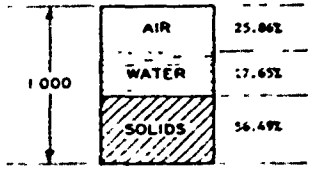


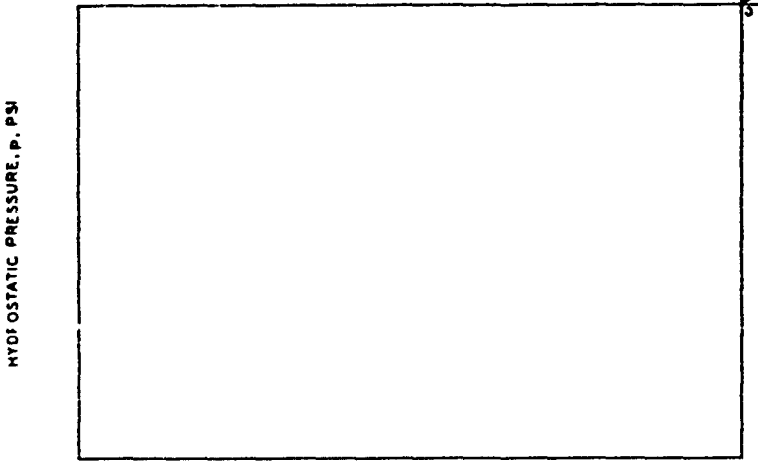
HYDROSTATIC COMPRESSION PHASE

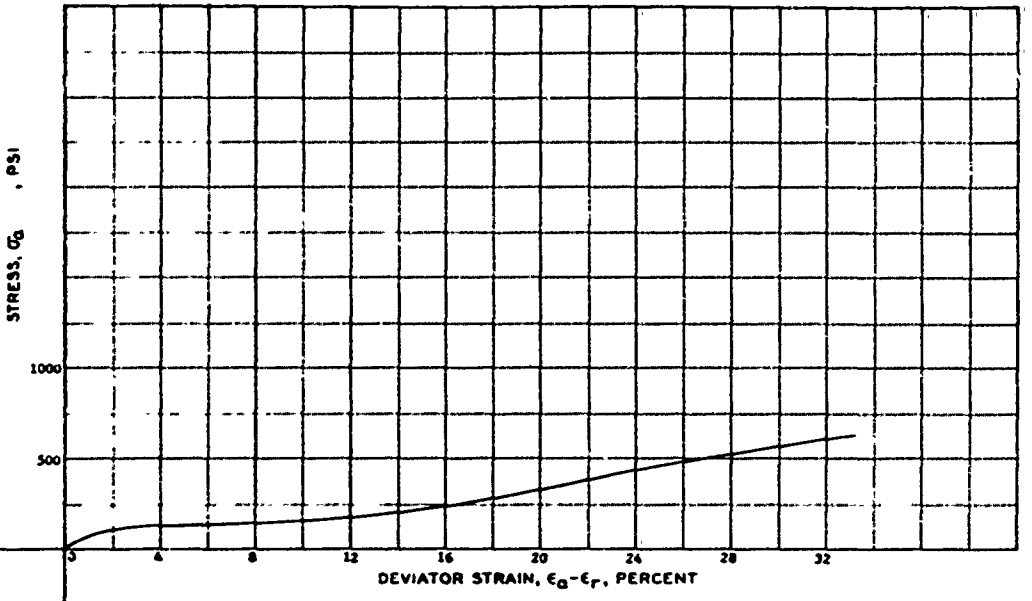


PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	
DEPTH EL		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION	Watching Hill Clay		
	Constant Stress Ratio, 0.4		
	Initial Pressure, 3200 psi		

WATER CONTENT	w	11.57	%
VOID RATIO	e_0	0.77	
SATURATION	S_0	40.57	%
DRY DENSITY	γ_d	95.18	PCF
WET DENSITY	γ	106.19	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.48	CM
SPECIMEN HEIGHT	H_0	7.63	CM

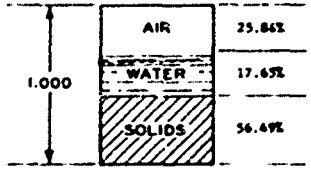


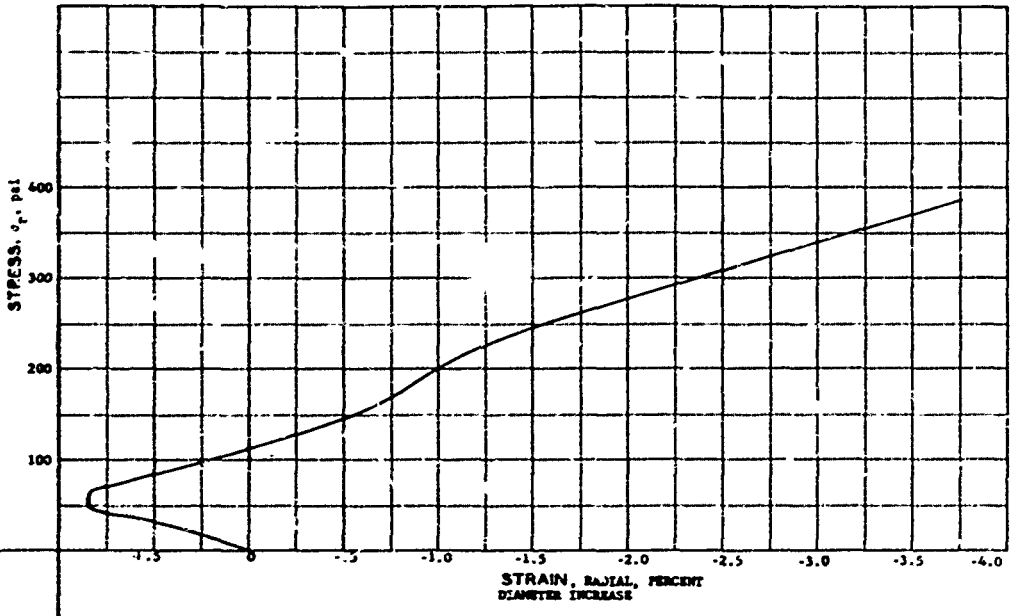




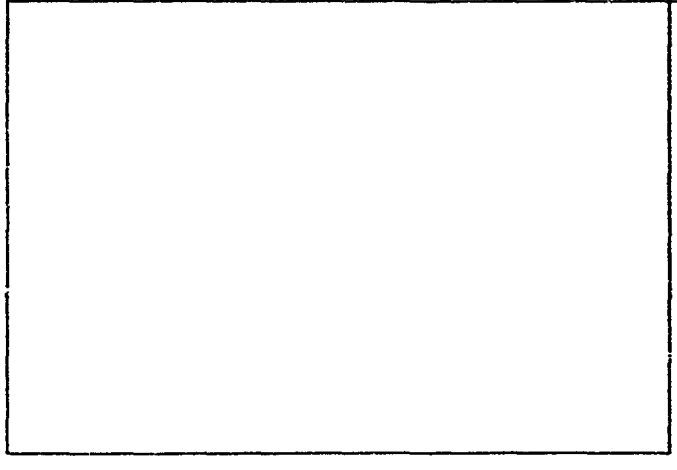
PROJECT	Georgia Institute of Technology B-402		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	248
DEPTH		DATE	
EL			
LL	36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay		
	Constant Stress Ratio, 0.6		
	Initial Pressure, 0 psi		

WATER CONTENT	w	11.57 %
VOID RATIO	e_0	0.77
SATURATION	S_0	40.57 %
DRY DENSITY	γ_d	95.18 PCF
WET DENSITY	γ	106.19 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.48 CM
SPECIMEN HEIGHT	H_0	7.63 CM





HYDROSTATIC COMPRESSION PHASE



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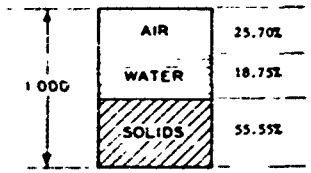
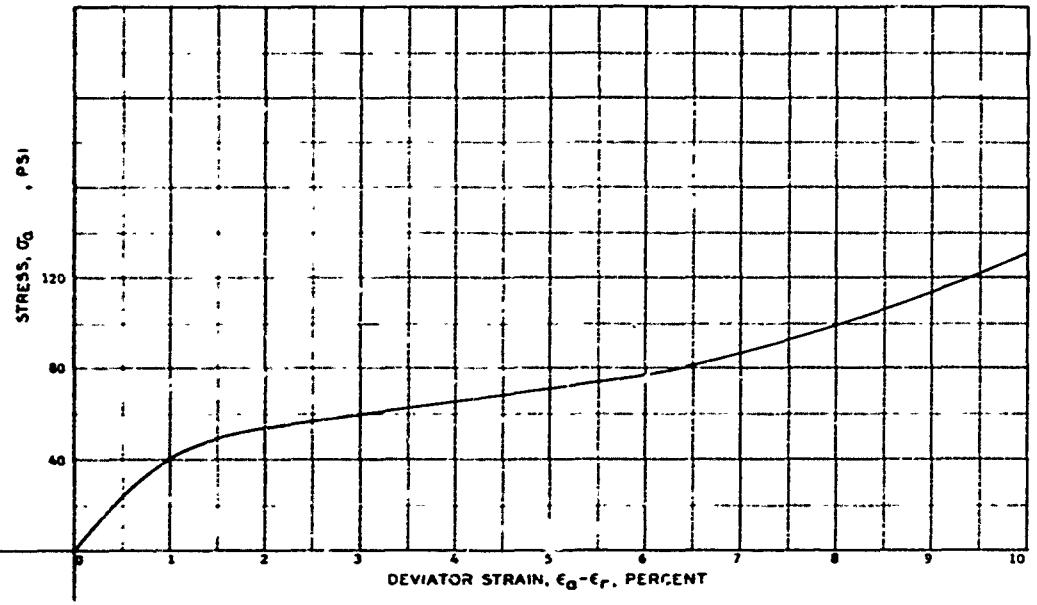
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 248
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Natchez Hill Clay	
	Constant Stress Ratio, 0.6	
	Initial Pressure, 0 psi	

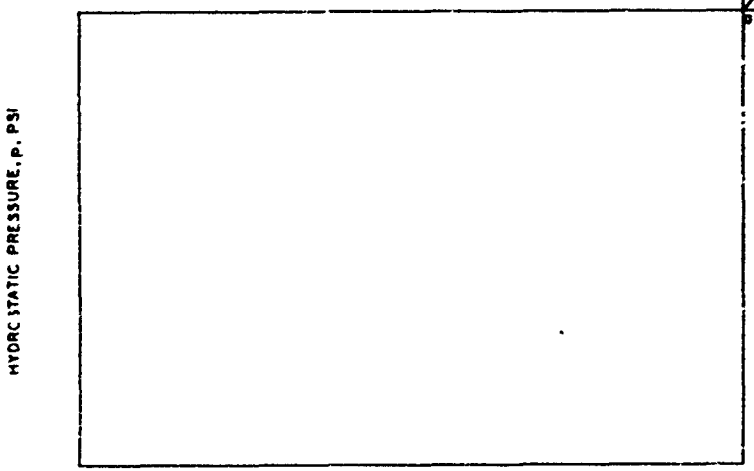
WATER CONTENT	w	12.50	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	42.18	%
DRY DENSITY	γ_d	93.59	PCF
WET DENSITY	γ	105.29	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.62	CM





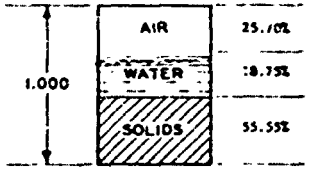
TRIAXIAL SHEAR PHASE

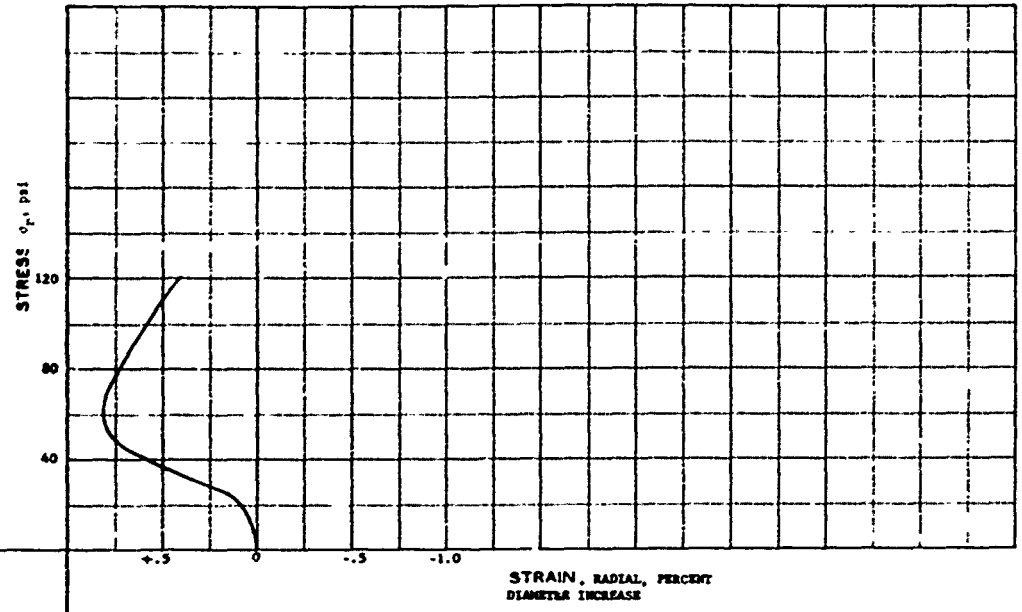
HYDROSTATIC COMPRESSION PHASE



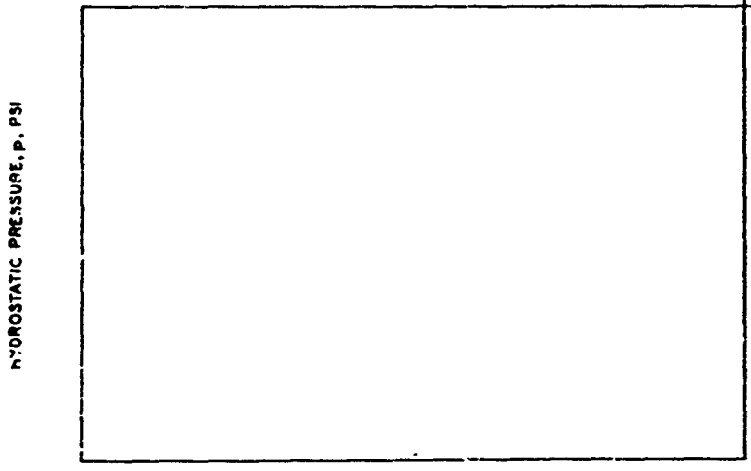
PROJECT	Georgia Institute of Technology A-602				
	Contract No. DACA39-67-C-0031				
AREA					
BORING NO.			SAMPLE NO. 266		
DEPTH					
EL			DATE		
LL 36		PL 17		PI 19	
DESCRIPTION	Watching Hill Clay				
	Constant Stress Ratio, 0.6				
	Initial Pressure, 0 psi				

WATER CONTENT	w	12.50 %
VOID RATIO	e_0	0.80
SATURATION	S_0	42.18 %
DRY DENSITY	γ_d	93.58 PCF
WET DENSITY	γ	105.29 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.62 CM



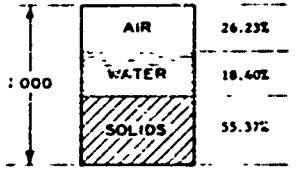


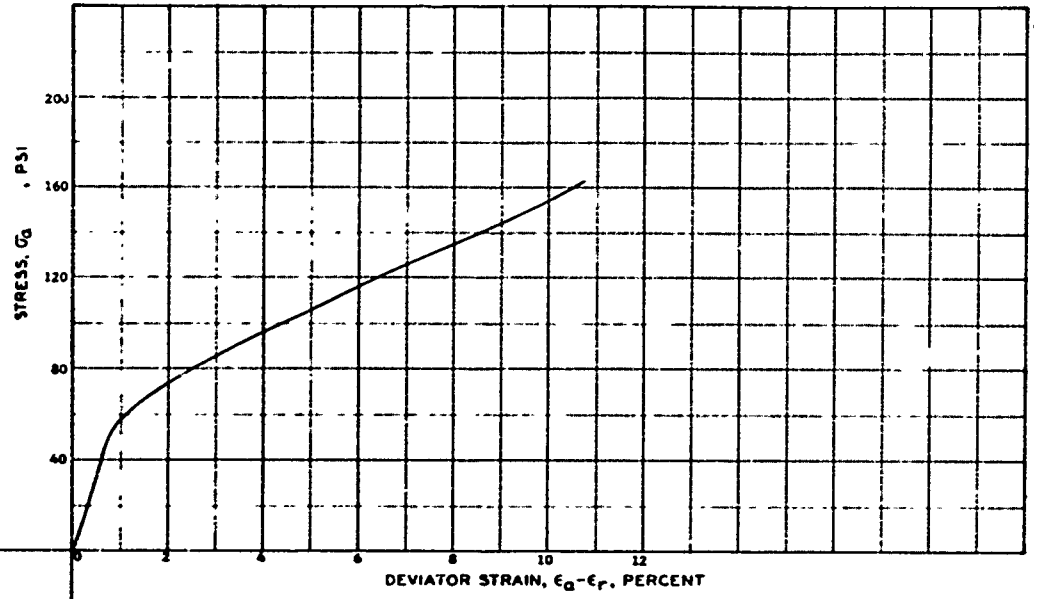
HYDROSTATIC COMPRESSION PHASE



PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 266
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay	
	Constant Stress Ratio, 0.6	
	Initial Pressure, 0 psi	

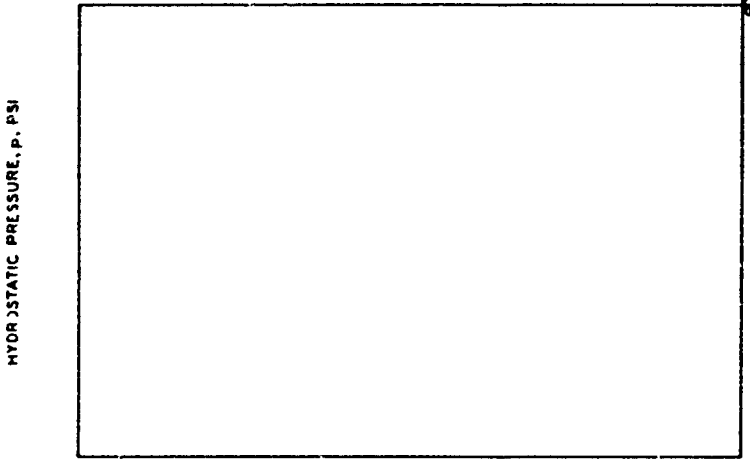
WATER CONTENT	w	12.31 %
VOID RATIO	e_0	0.81
SATURATION	S_0	41.23 %
DRY DENSITY	γ_d	93.29 PCF
WET DENSITY	γ	104.78 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.63 CM





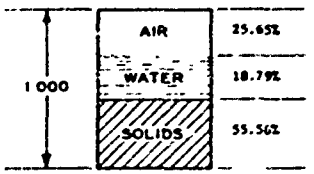
TRIAXIAL SHEAR PHASE

HYDROSTATIC COMPRESSION PHASE

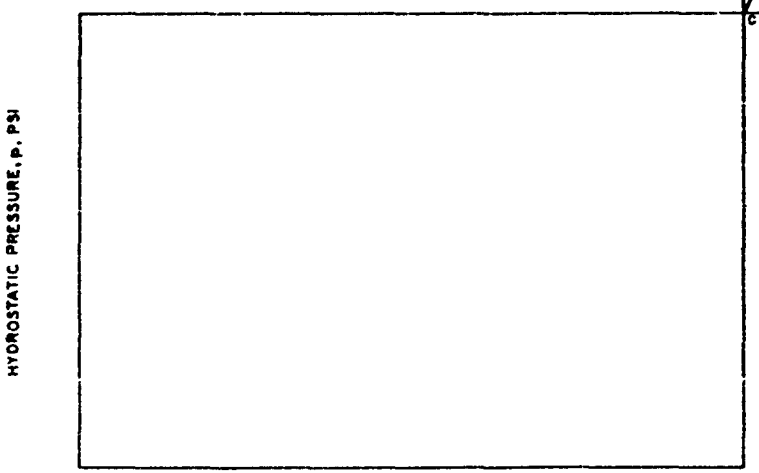


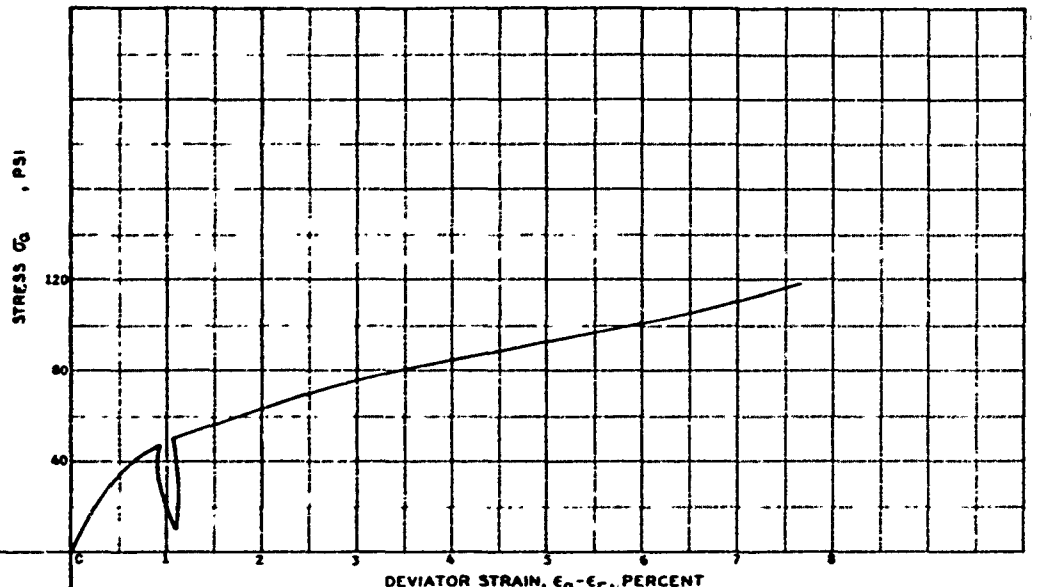
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO. 267	
DEPTH			
EL		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION	Watching Hill Clay.		
	Constant Stress Ratio, 0.6		
	Initial Pressure, 0 psi		

WATER CONTENT	w	12.52 %
VOID RATIO	e_0	0.80
SATURATION	S_0	42.26 %
DRY DENSITY	γ_d	93.60 PCF
WET DENSITY	γ	105.32 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.63 CM



HYDROSTATIC COMPRESSION PHASE

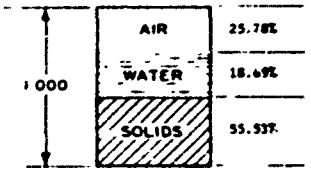


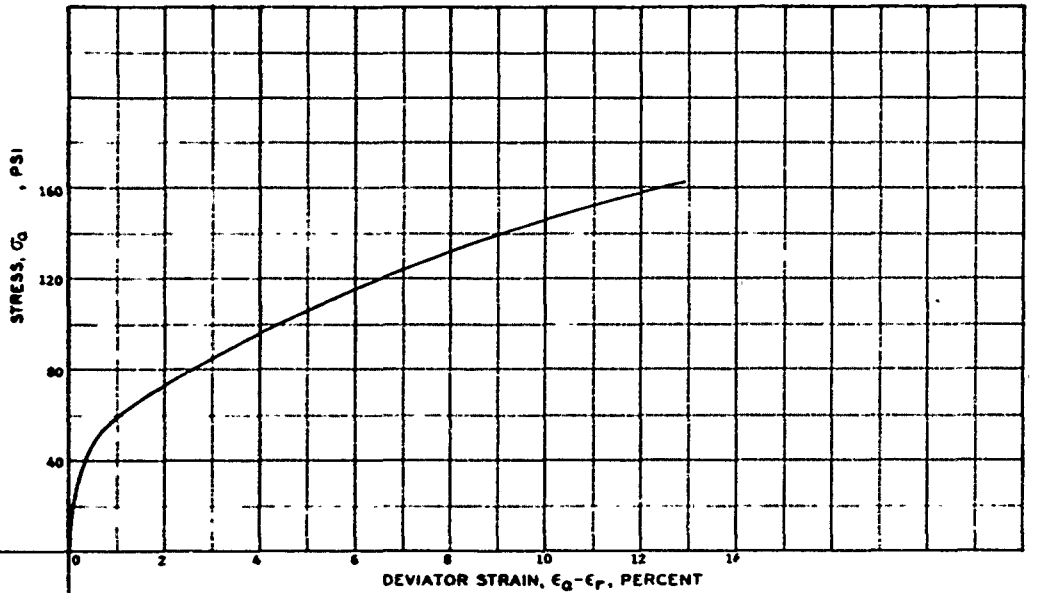


TRIAXIAL SHEAR PHASE

PROJECT Georgia Institute of Technology B-602.
Contract No. DACA39-67-C-0051
AREA
BORING NO. SAMPLE NO. 344
DEPTH
EL DATE
LL 36 PL 17 PI 19
DESCRIPTION Watching Hill Clay
Constant Stress Ratio, 0.6
Initial Pressure, 0 psi; Cycle Shear @ 35%

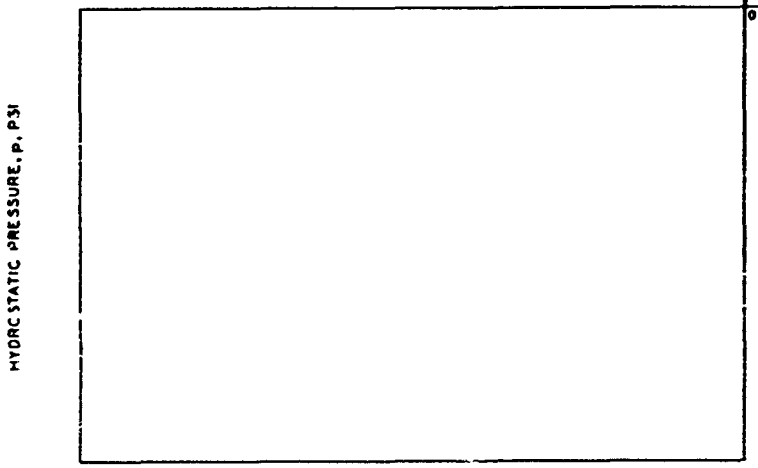
WATER CONTENT	w	12.47	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	42.04	%
DRY DENSITY	γ_d	93.57	PCF
WET DENSITY	γ	105.23	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.63	CM





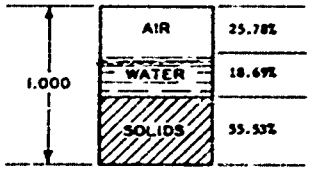
TRIAXIAL SHEAR PHASE

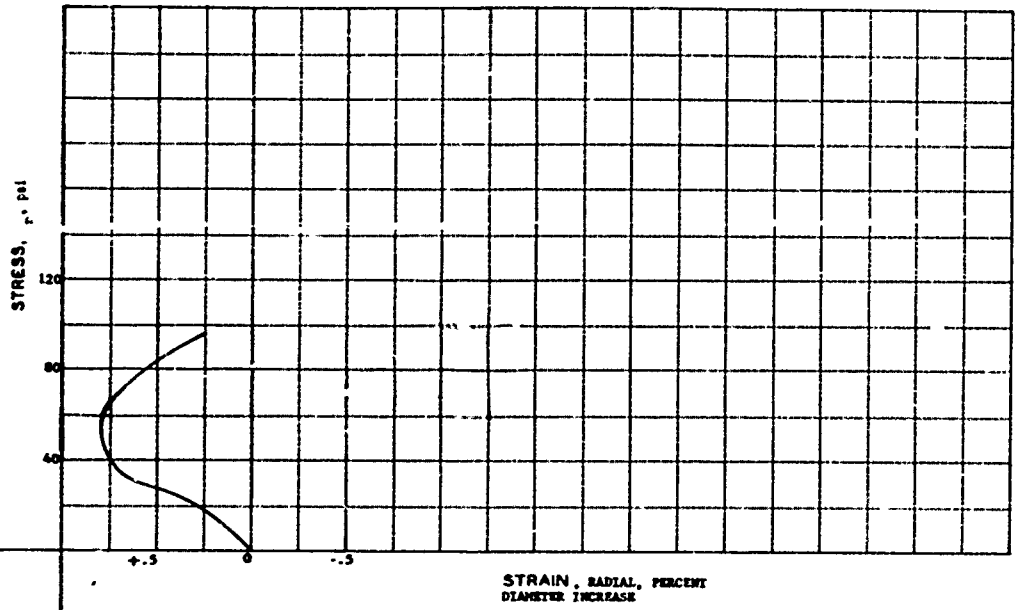
HYDROSTATIC COMPRESSION PHASE



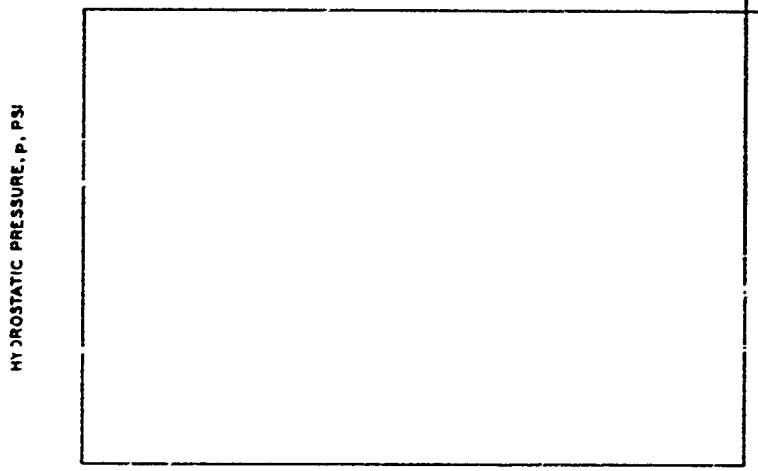
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO. 348	
DEPTH			
EL		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION	Watching Hill Clay		
	Constant Stress Ratio, 0.6		
	Initial Pressure, 0 psi		

WATER CONTENT	w	12.67	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	42.06	%
DRY DENSITY	γ_d	93.57	PCF
WET DENSITY	γ	105.23	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.63	CM



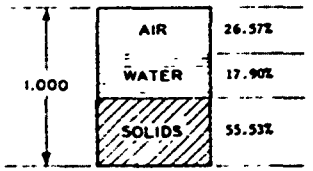


HYDROSTATIC COMPRESSION PHASE

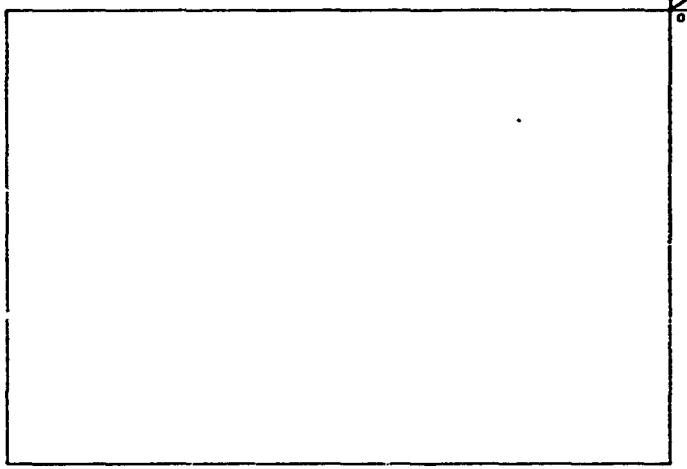


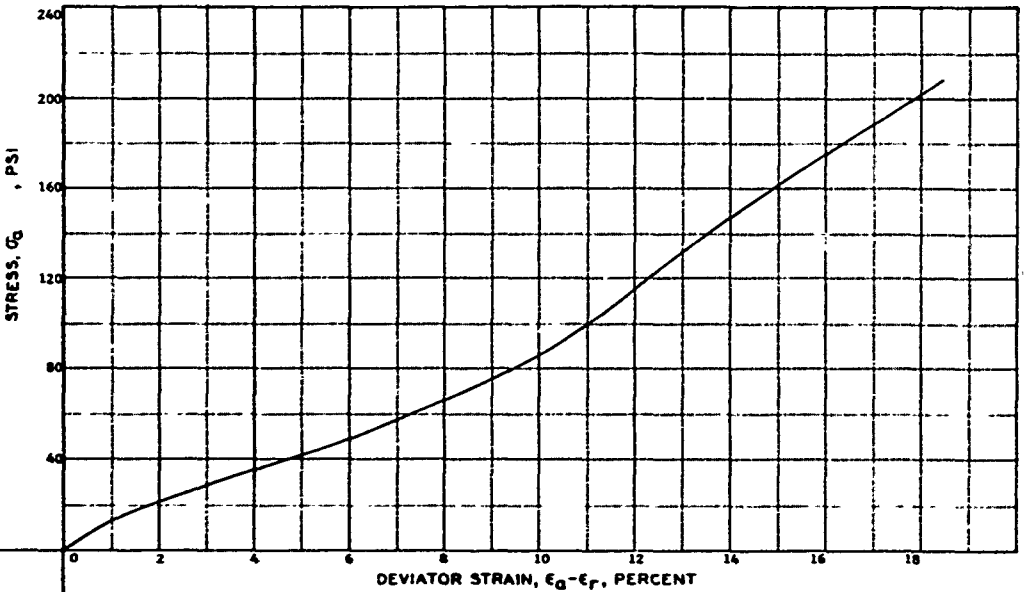
PROJECT	Georgia Institute of Technology B-602			
	Contract No. DACA39-67-C-0051			
AREA				
BORING NO.			SAMPLE NO.	348
DEPTH EL			DATE	
LL	36	PL 17	PI	19
DESCRIPTION	Watching Hill Clay			
	Constant Stress Ratio, 0.6			
	Initial Pressure, 0 psi			

WATER CONTENT	w	11.93	%
VOID RATIO	e_o	0.80	
SATURATION	S_o	40.24	%
DRY DENSITY	γ_d	93.56	PCF
WET DENSITY	γ	104.72	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_o	3.49	CM
SPECIMEN HEIGHT	H_o	7.62	CM



HYDROSTATIC COMPRESSION PHASE

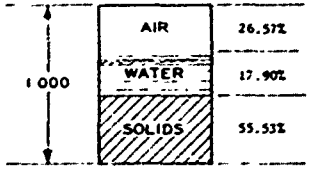


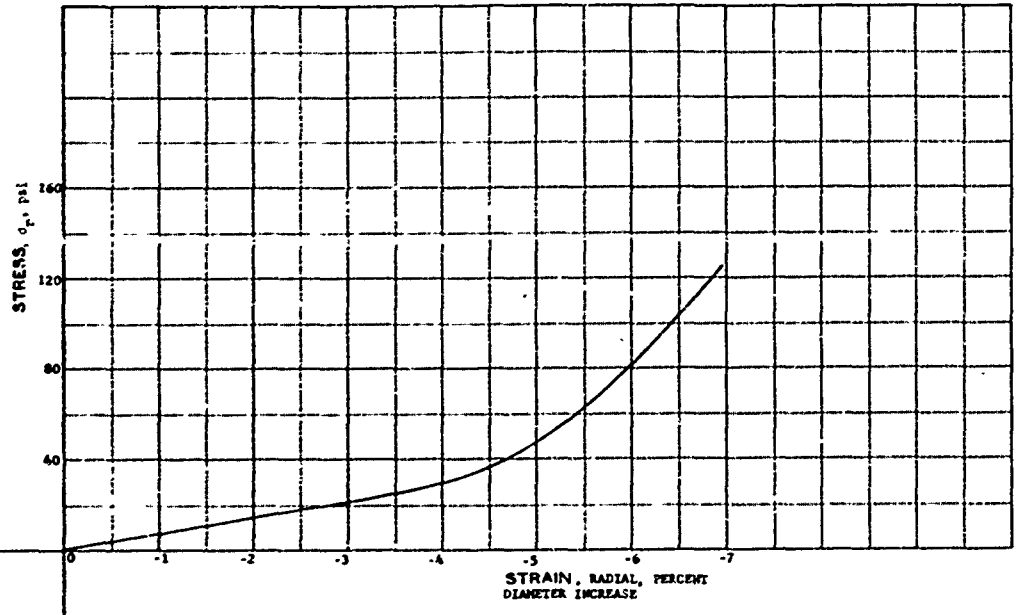


TRIAXIAL SHEAR PHASE

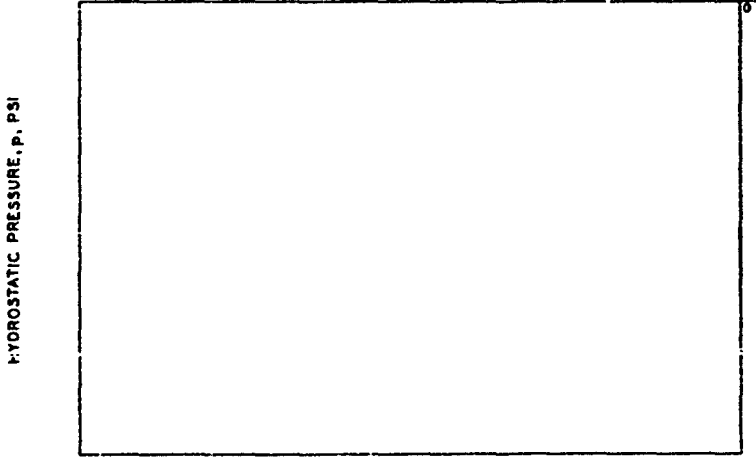
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	294
DEPTH EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay		
	Constant Stress Ratio, 0.6		
	Initial Pressure, 100 psi		

WATER CONTENT	w	11.93 %
VOID RATIO	e_0	0.80
SATURATION	S_0	40.24 %
DRY DENSITY	γ_d	93.56 PCF
WET DENSITY	γ	104.72 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.6° CM



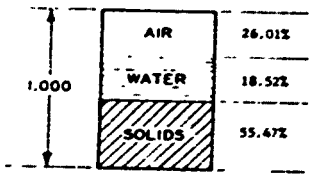


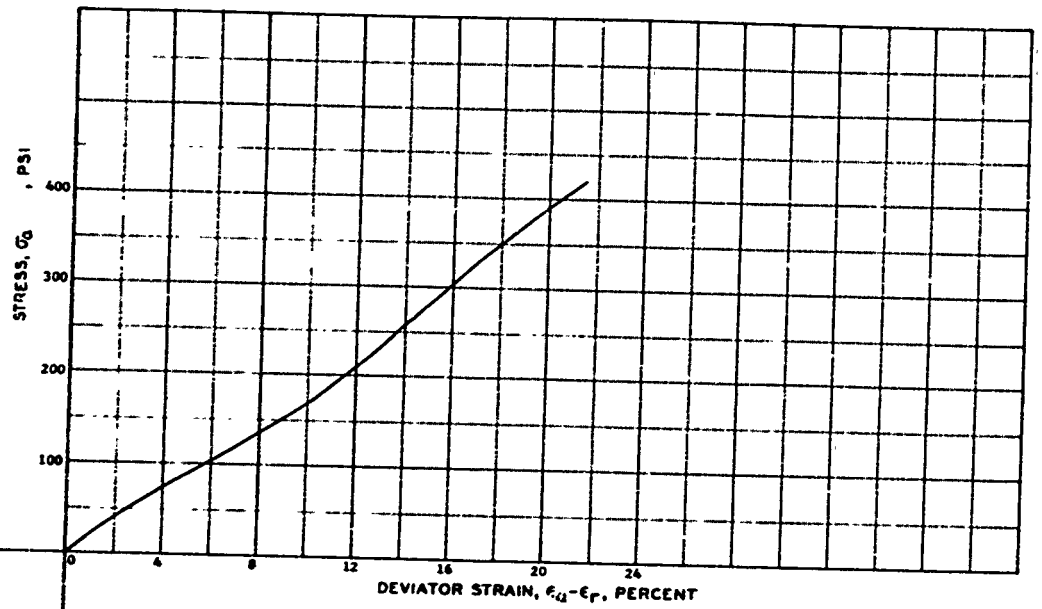
HYDROSTATIC COMPRESSION PHASE



PROJECT	Georgia Institute of Technology B-502		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO		SAMPLE NO	[illegible]
DEPTH EL		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION	Watching Hill Clay		
	Constant Stress Ratio, 0.6		
	Initial Pressure, 100 psi		

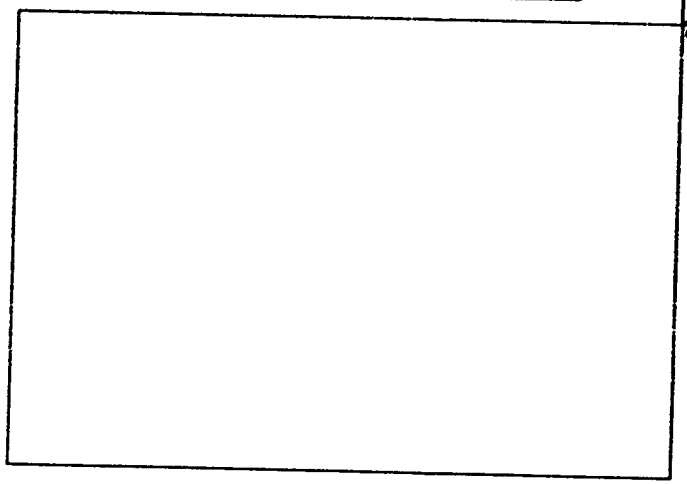
WATER CONTENT	w	12.37 %
VOID RATIO	e_0	0.80
SATURATION	S_0	41.61 %
DRY DENSITY	γ_d	93.45 PCF
WET DENSITY	γ	105.01 PCF
SPECIFIC GRAVITY	G_s	2.76
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.62 CM





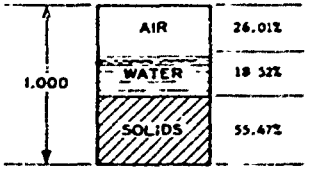
TRIAXIAL SHEAR PHASE

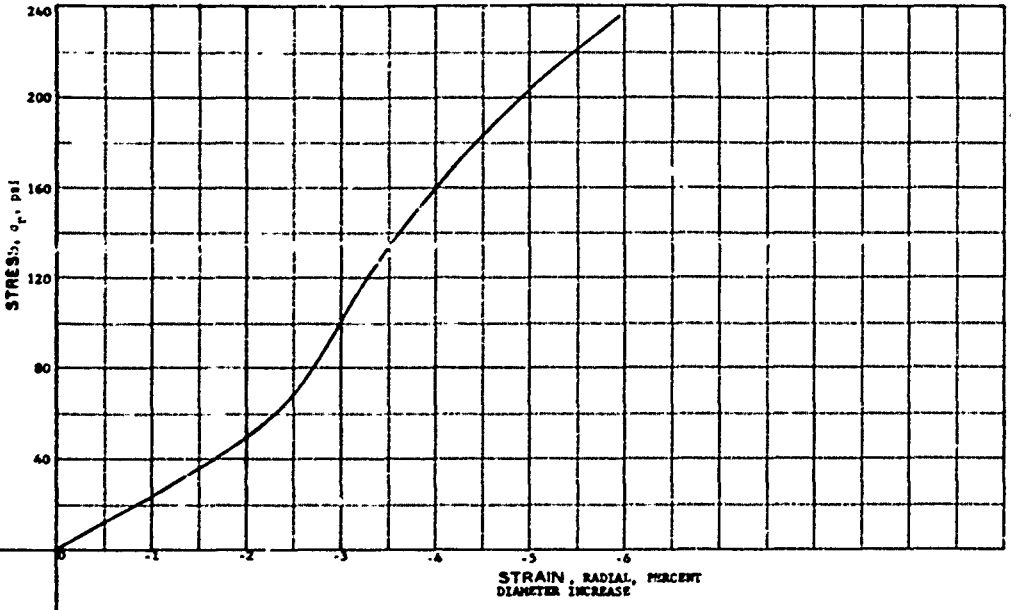
HYDROSTATIC COMPRESSION PHASE



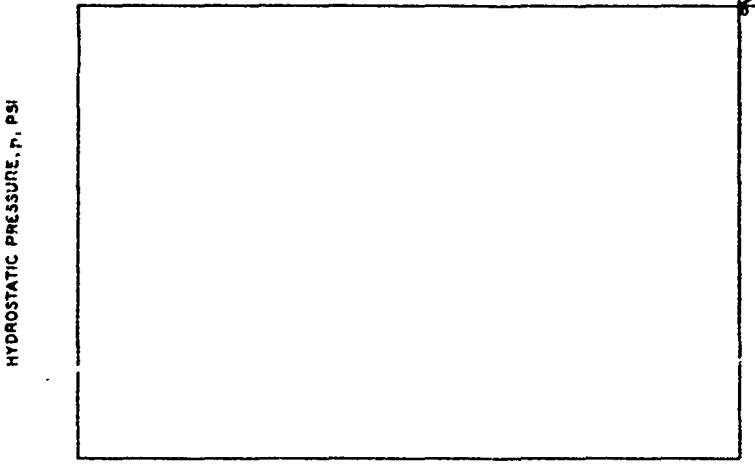
PROJECT	Georgia Institute of Technology B-402	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 304
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watchlog Hill Clay	
	Constant Stress Ratio, 0.6	
	Initial Pressure, 100 psi	

WATER CONTENT	w	12.37 %
VOID RATIO	e_0	0.80
SATURATION	S_0	41.61 %
DRY DENSITY	γ_d	93.45 PCF
WET DENSITY	γ	105.01 PCF
SPECIFIC GRAVITY	G_s	2.76
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.62 CM



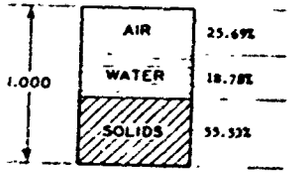


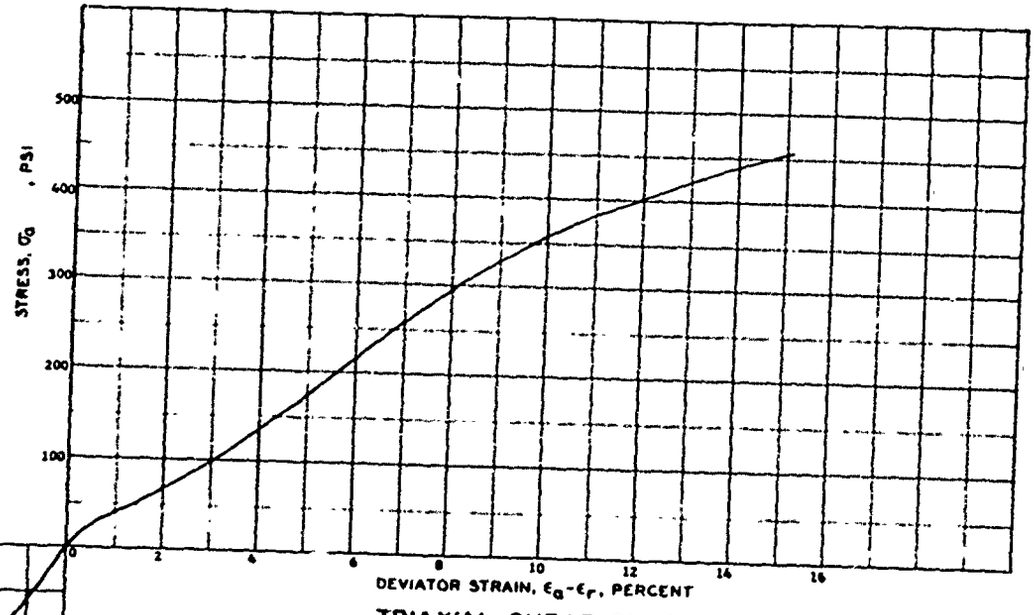
HYDROSTATIC COMPRESSION PHASE



PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0031	
AREA		
BORING NO		SAMPLE NO 33
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watchlag Hill Clay	
	Constant Stress Ratio, 0.6	
	Initial Pressure, 100 psi	

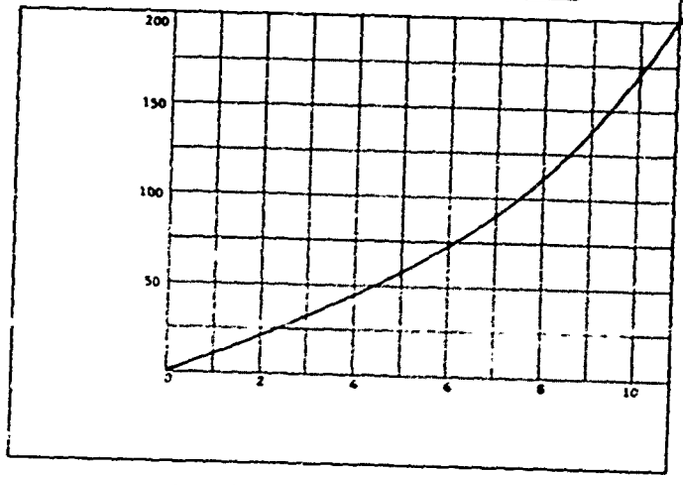
WATER CONTENT	w	12.53	%
VOID RATIO	e_o	0.80	
SATURATION	S_o	42.26	%
DRY DENSITY	γ_d	93.56	PCF
WET DENSITY	γ	105.28	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_o	3.49	CM
SPECIMEN HEIGHT	H_o	7.62	CM





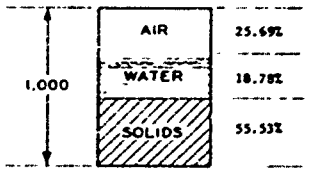
TRIAXIAL SHEAR PHASE

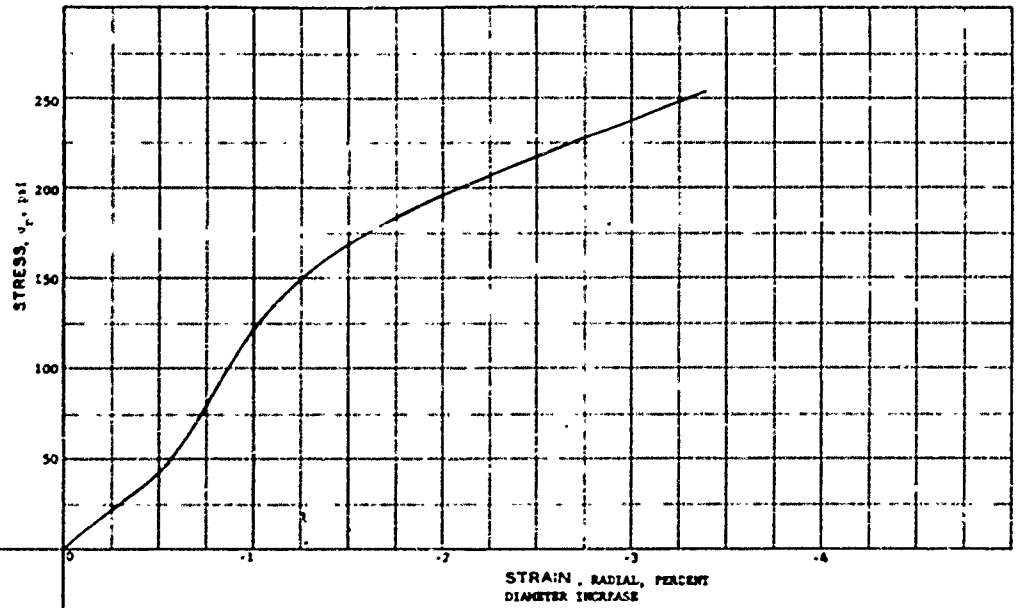
HYDROSTATIC COMPRESSION PHASE



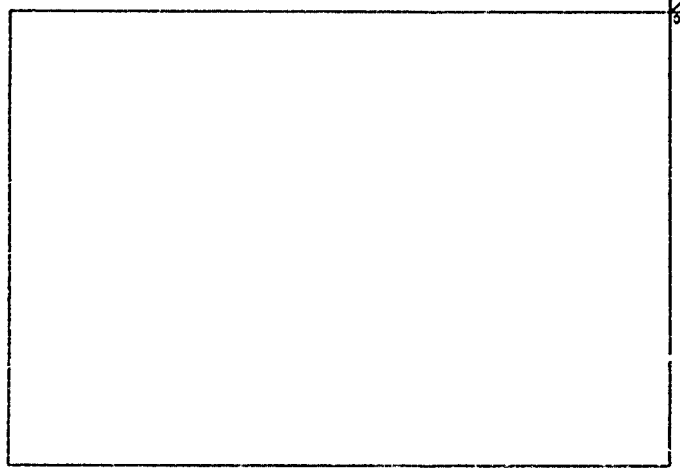
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AHLA			
BORING NO.		SAMPLE NO.	300
DEPTH			
EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay		
	Constant Stress Ratio, 0.6		
	Initial Pressure, 200 psi		

WATER CONTENT	w	12.53	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	42.26	%
DRY DENSITY	γ_d	93.56	PCF
WET DENSITY	γ	105.28	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.62	CM



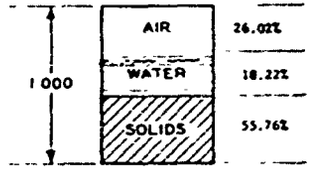


HYDROSTATIC COMPRESSION PHASE

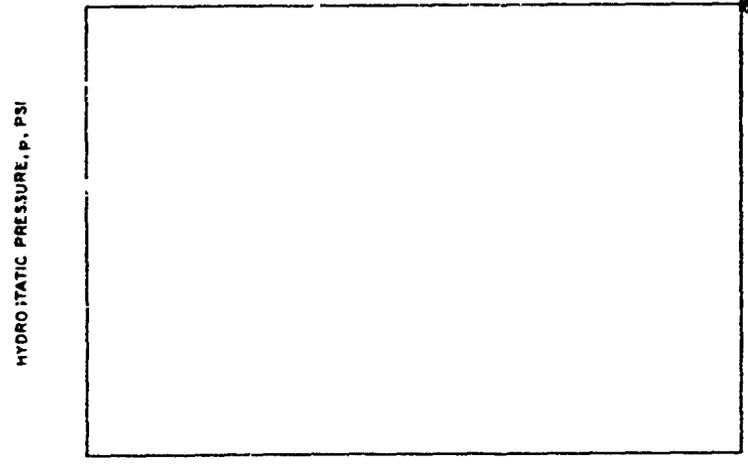


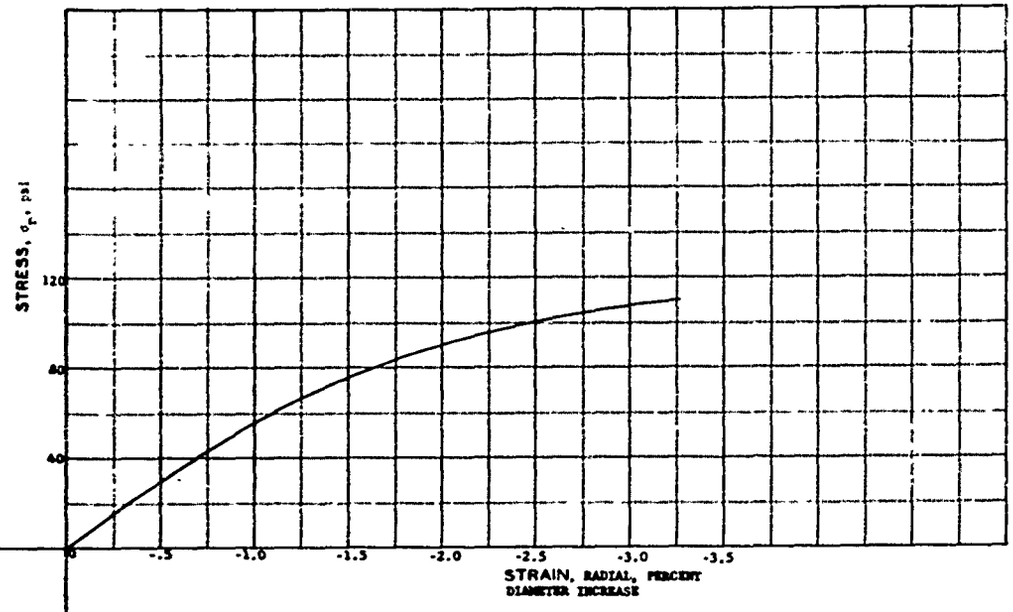
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-57-C-0051		
AREA			
BORING NO.		SAMPLE NO.	300
DEPTH EL		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION	Watching Hill Clay		
	Constant Stress Ratio, 0.6		
	Initial Pressure, 200 psi		

WATER CONTENT	w	12.11	%
VOID RATIO	e_o	0.79	
SATURATION	S_o	41.19	%
DRY DENSITY	γ_d	93.94	PCF
WET DENSITY	γ	105.31	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_o	3.49	CM
SPECIMEN HEIGHT	H_o	7.61	CM



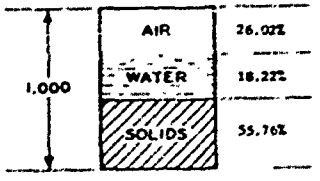
HYDROSTATIC COMPRESSION PHASE



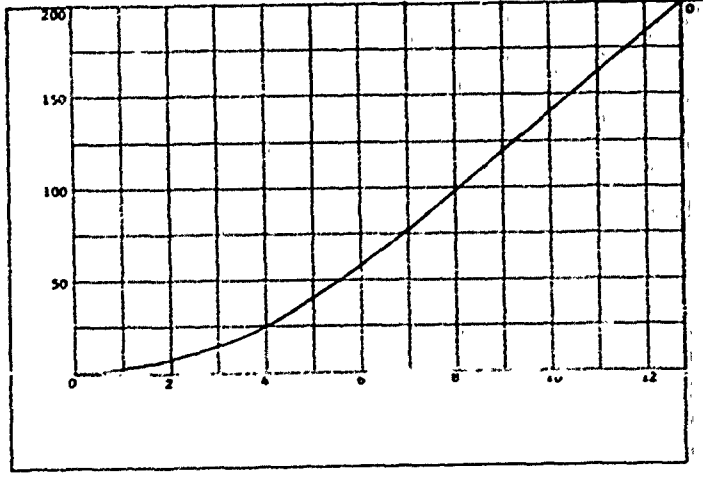


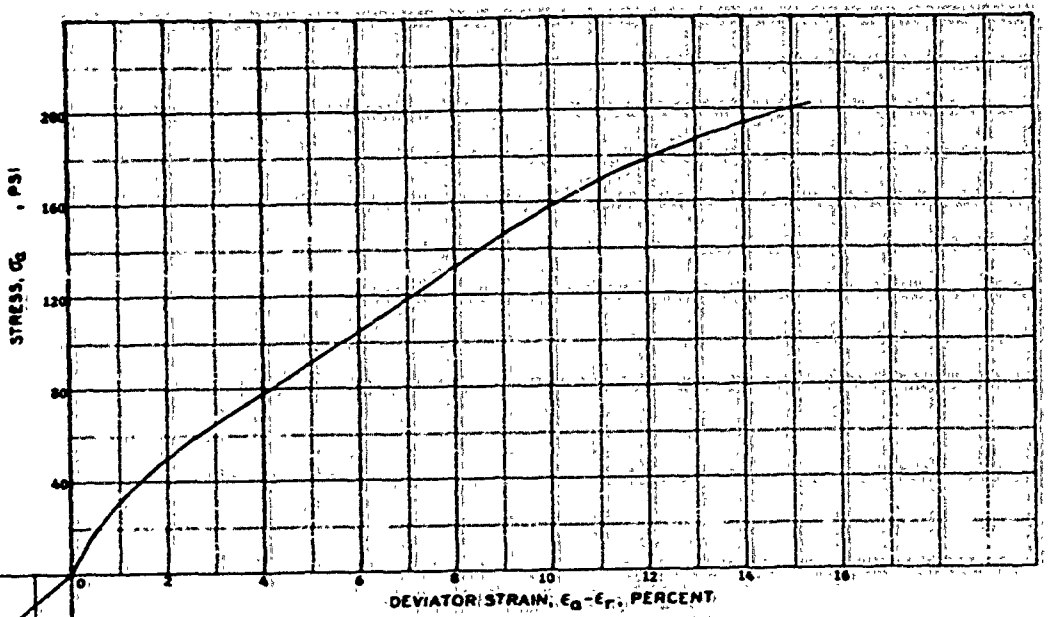
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 325
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay	
	Constant Stress Ratio, 0.6	
	Initial Pressure, 200 psi	

WATER CONTENT	w	12.11 %
VOID RATIO	e_0	0.79
SATURATION	S_0	41.19 %
DRY DENSITY	γ_d	93.96 PCF
WET DENSITY	γ	105.31 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.61 CM



HYDROSTATIC COMPRESSION PHASE

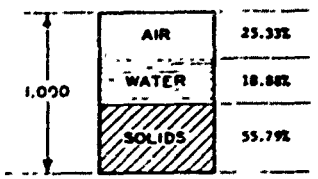


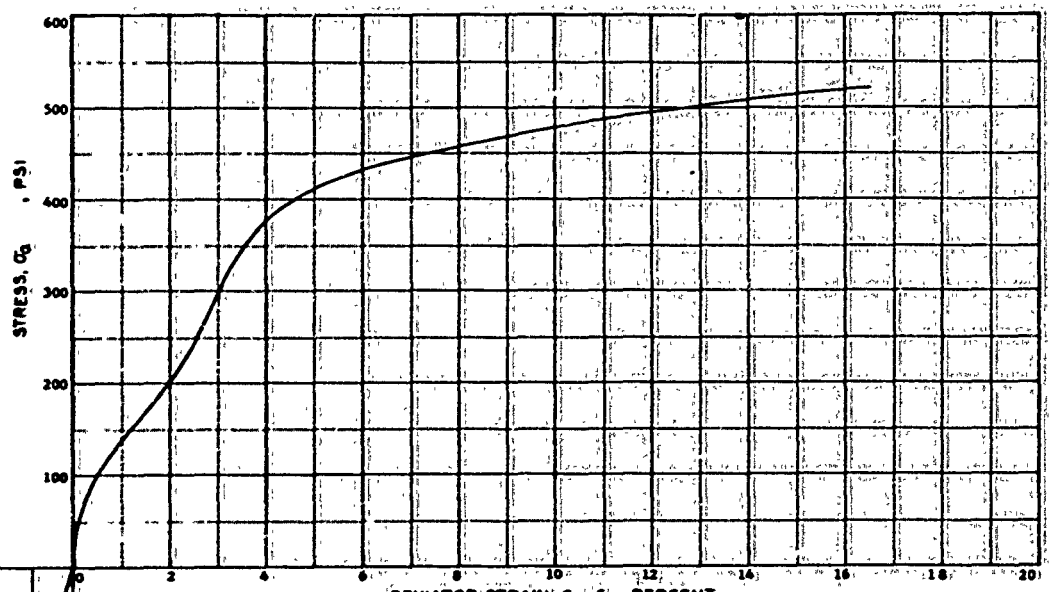


TRIAXIAL SHEAR PHASE

PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	325
DEPTH		DATE	
EL.			
LL	36	PL 17	PI 19
DESCRIPTION	Macking Hill Clay		
	Constant Stress Ratio, Δ_3 0.6		
	Initial Pressure, 200 psi		

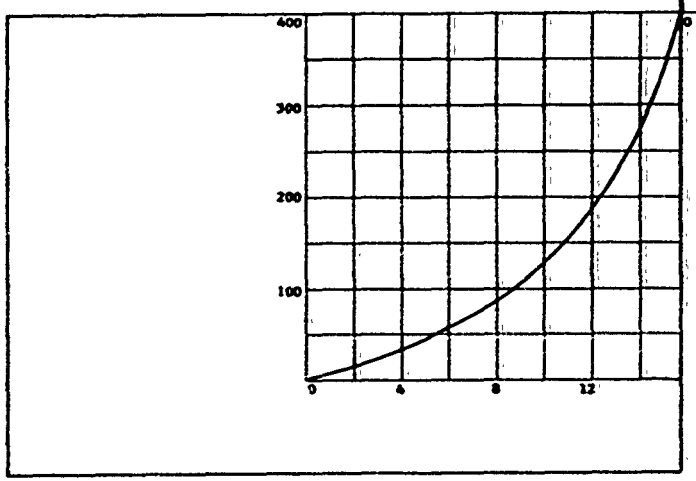
WATER CONTENT	w	12.53 %
VOID RATIO	e_0	0.79
SATURATION	S_0	42.70 %
DRY DENSITY	γ_d	94.00 PCF
WET DENSITY	γ	105.78 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.63 CM





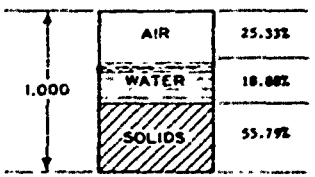
TRIAXIAL SHEAR PHASE

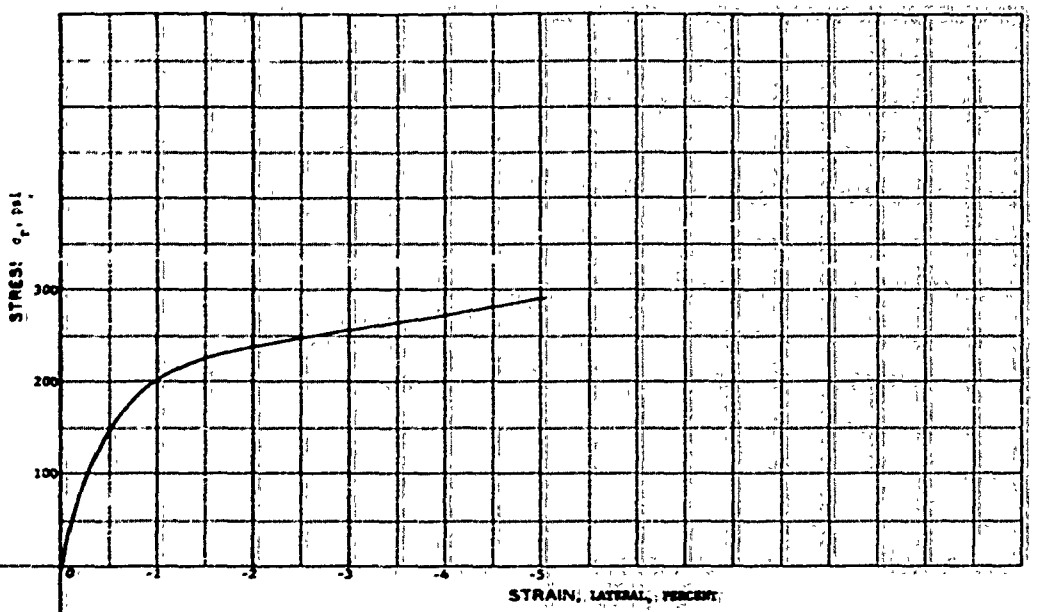
HYDROSTATIC COMPRESSION PHASE



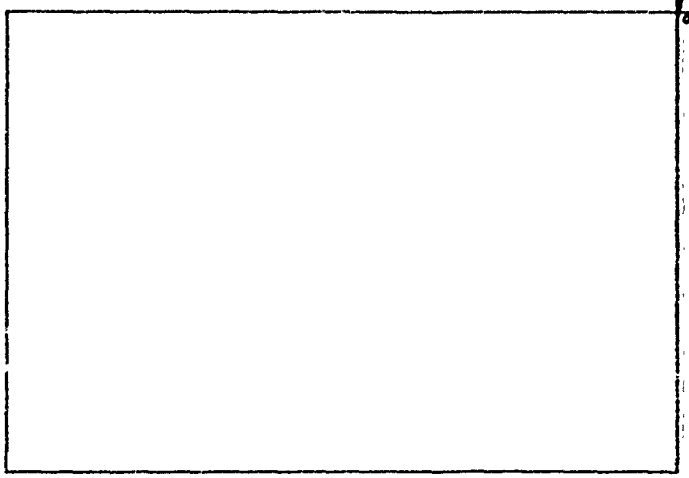
PROJECT	Georgia Institute of Technology B-602		
	Contract No.: DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO. 320	
DEPTH EL		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION	Watchung Hill Clay		
	Constant Stress Ratio, 0.6		
	Initial Pressure, 400 psi		

WATER CONTENT	w	12.53 %
VOID RATIO	e_0	0.79
SATURATION	S_0	42.70 %
DRY DENSITY	γ_d	94.00 PCF
WET DENSITY	γ	105.78 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.63 CM



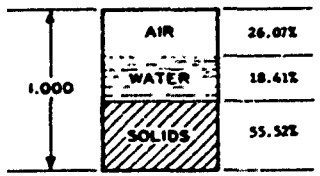


HYDROSTATIC COMPRESSION PHASE

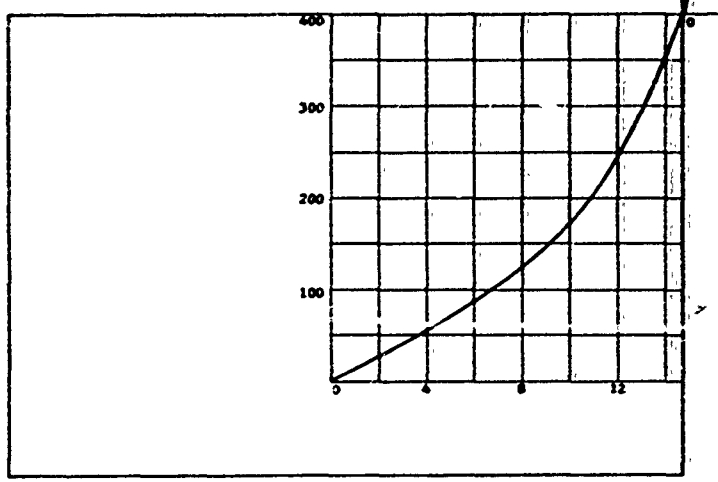


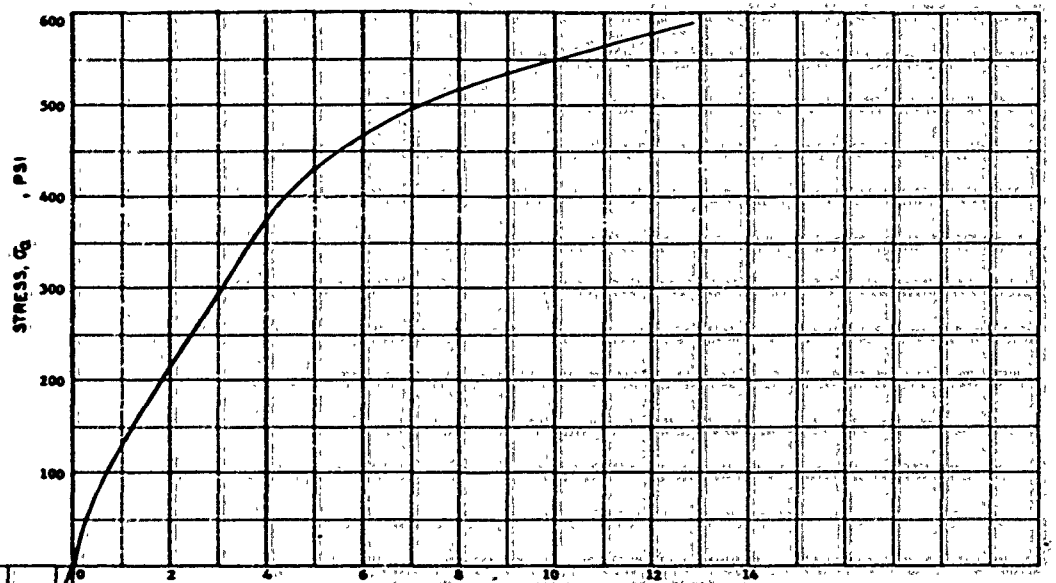
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	320
DEPTH EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay		
	Constant Stress Ratio, 0.6		
	Initial Pressure, 400 psi		

WATER CONTENT	w	12.28 %
VOID RATIO	e_0	0.80
SATURATION	S_0	41.39 %
DRY DENSITY	γ_d	93.54 PCF
WET DENSITY	γ	105.02 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.62 CM



HYDROSTATIC COMPRESSION PHASE

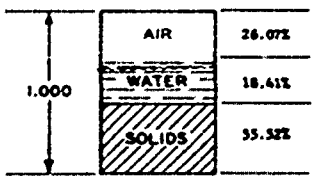


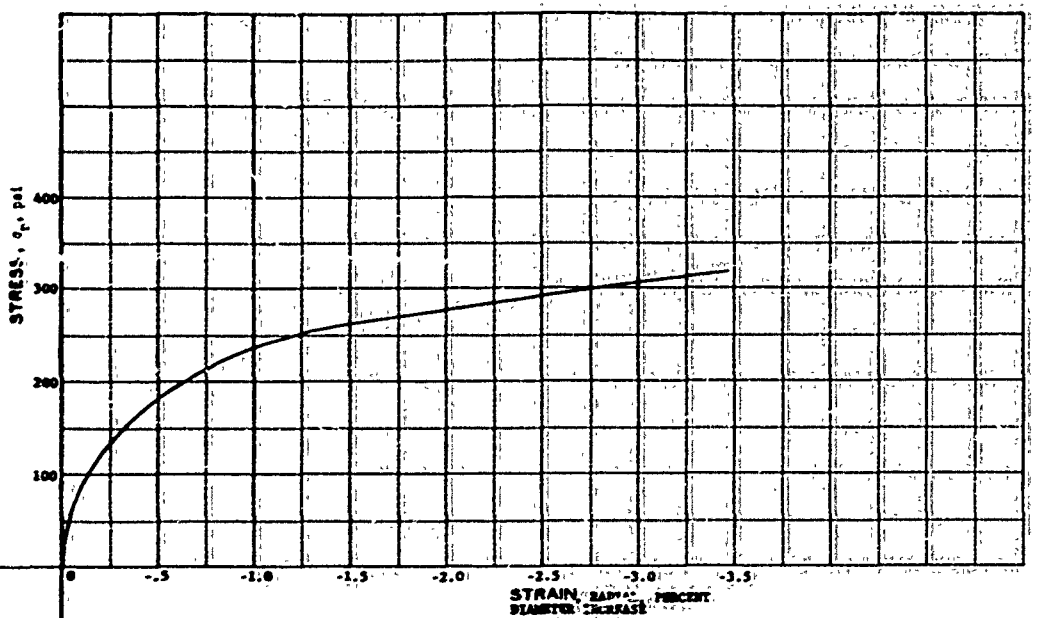


TRIAXIAL SHEAR PHASE

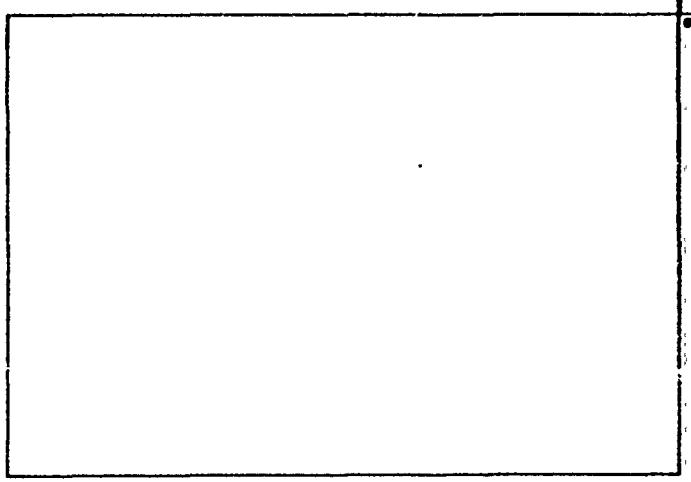
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	338
DEPTH EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Vicksburg Buckshot Clay		
	Constant Stress Ratio, 0.6		
	Initial Pressure, 400 psi		

WATER CONTENT	w	12.28 %
VOID RATIO	e_0	0.80
SATURATION	S_0	41.39 %
DRY DENSITY	γ_d	93.54 PCF
WET DENSITY	γ	105.02 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_c	[illegible] CM



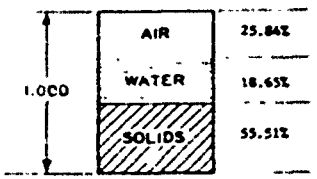


HYDROSTATIC COMPRESSION PHASE

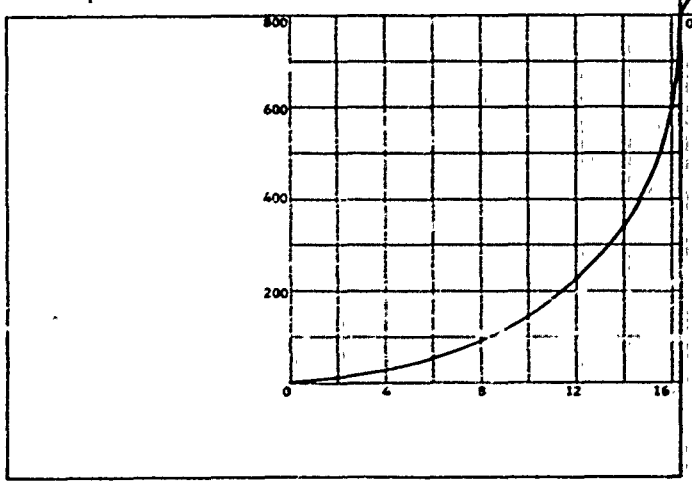


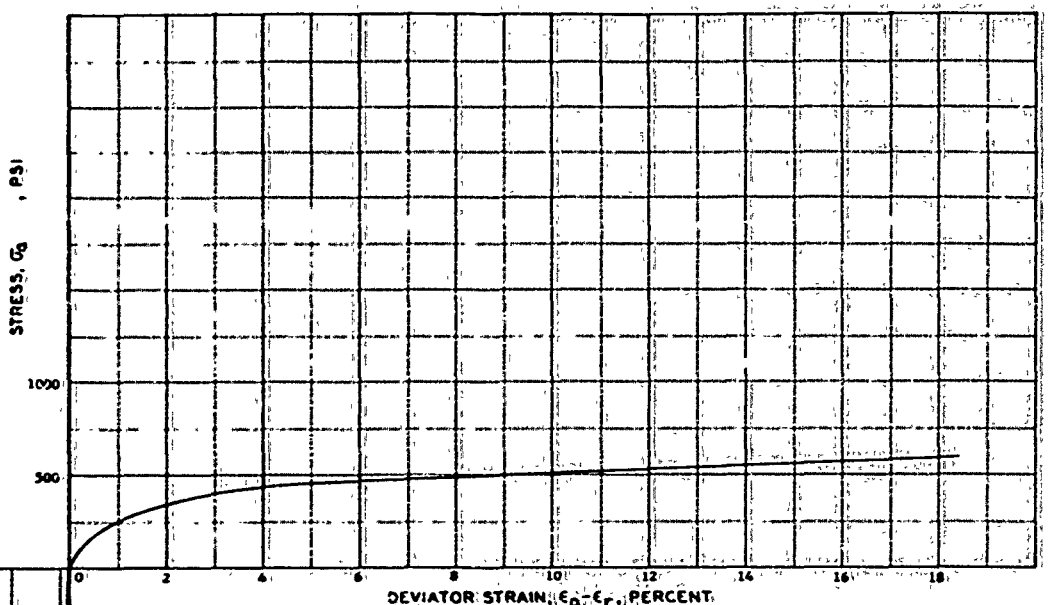
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 338	
DEPTH EL	DATE	
LL 36	PL 17	PI 19
DESCRIPTION: Matching Hill Clay		
Constant Stress Ratio, 0.6		
Initial Pressure, 400 psi		

WATER CONTENT	w	12.46 %
VOID RATIO	e_0	0.80
SATURATION	S_0	41.91 %
DRY DENSITY	γ_d	93.51 PCF
WET DENSITY	γ	105.15 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.63 CM



HYDROSTATIC COMPRESSION PHASE

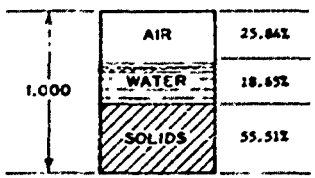


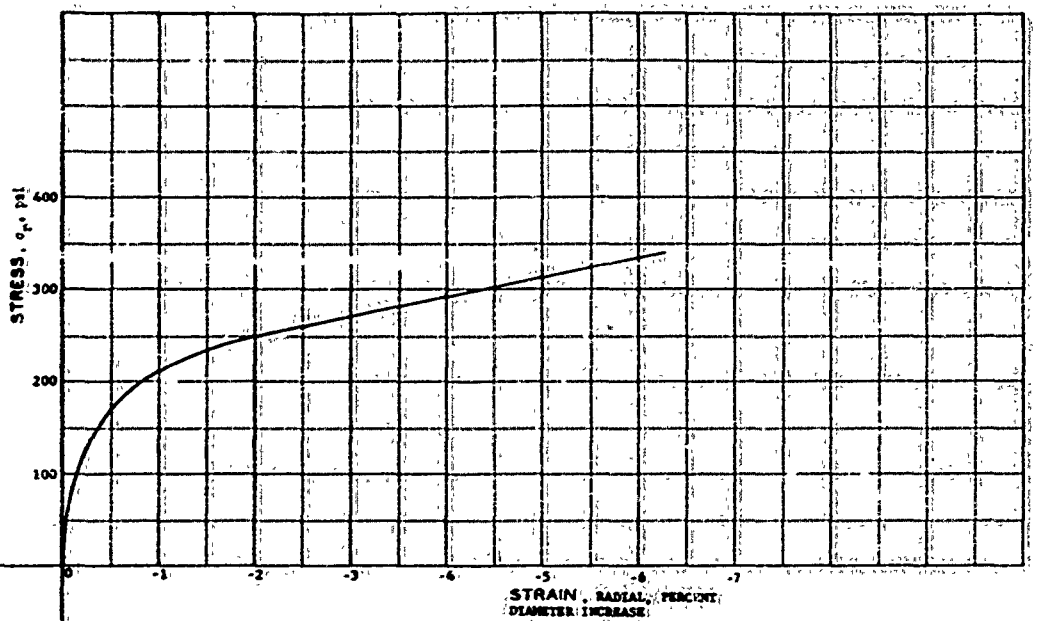


TRIAXIAL SHEAR PHASE

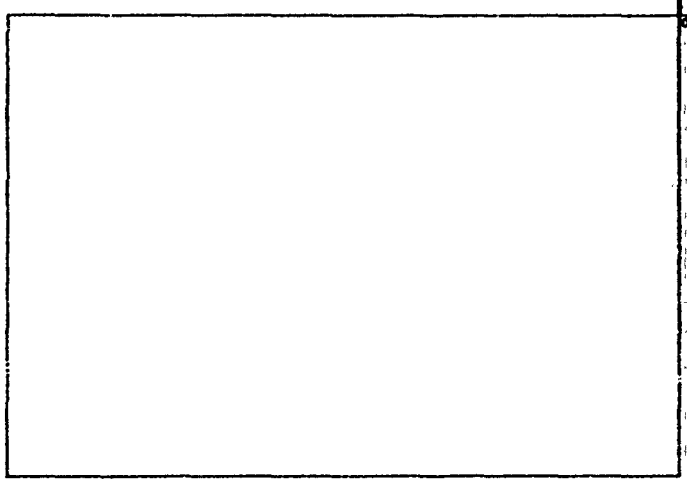
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA-2-67-C-0051		
AREA		
BORING NO:		SAMPLE NO. 339
DEPTH: EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION: Matching Mill Clay		
Constant Stress Ratio, 0.6		
Initial Pressure, 800 psi		

WATER CONTENT	w	12.44 %
VOID RATIO	e_0	0.80
SATURATION	S_0	41.91 %
DRY DENSITY	γ_d	99.51 PCF
WET DENSITY	γ	105.15 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.42 CM



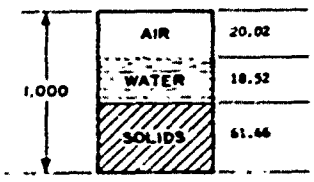


HYDROSTATIC COMPRESSION PHASE

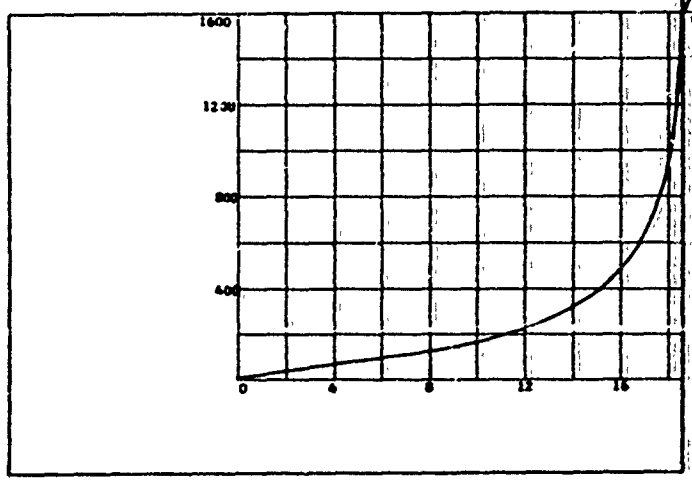


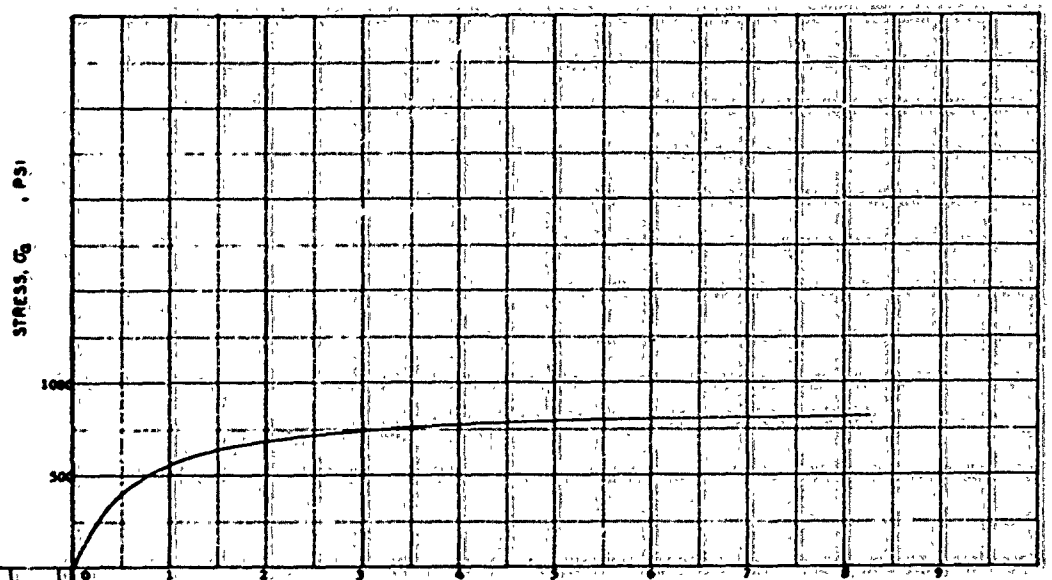
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	339
DEPTH EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay		
	Constant Stress Ratio, 0.6		
	Initial Pressure, 800 psi		

WATER CONTENT	w	11.16	%
VOID RATIO	e_0	0.63	
SATURATION	S_0	48.05	%
DRY DENSITY	γ_d	103.55	PCF
WET DENSITY	γ	115.10	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.34	CM
SPECIMEN HEIGHT	H_0	7.62	CM



HYDROSTATIC COMPRESSION PHASE

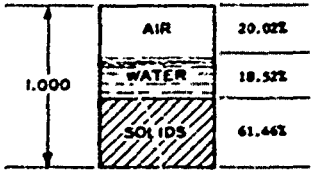


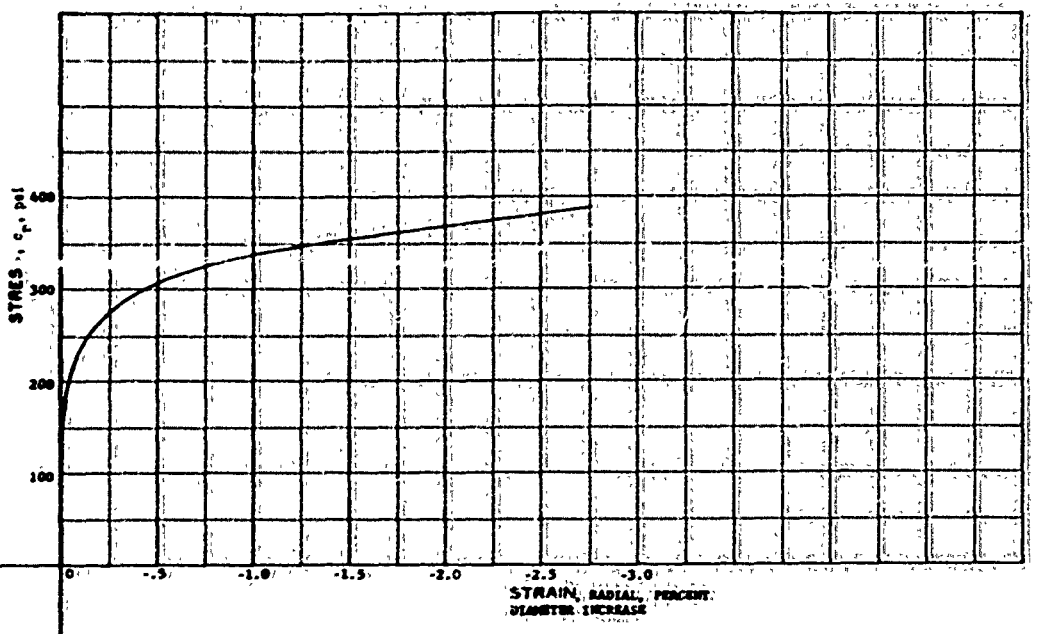


TRIAXIAL SHEAR PHASE

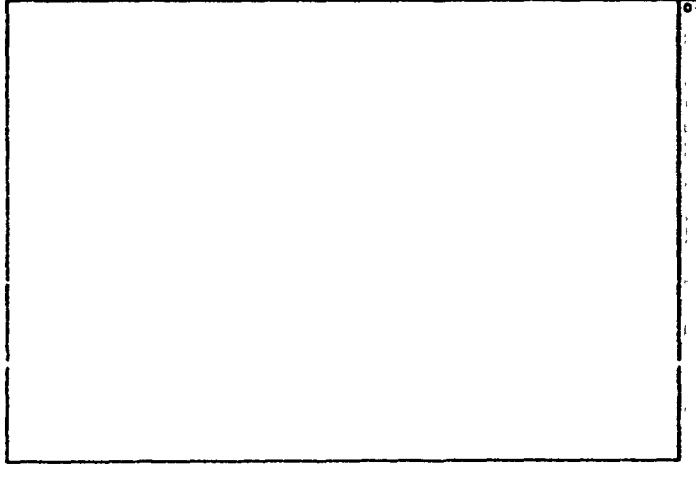
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 312
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION: Notching Hill Clay		
Constant Stress Ratio, 0.6		
Initial Pressure, 1600 psi		

WATER CONTENT	w	11.16 %
VOID RATIO	e_0	0.63
SATURATION	S_0	48.05 %
DRY DENSITY	γ_d	103.55 PCF
WET DENSITY	γ	115.10 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.34 CM
SPECIMEN HEIGHT	H_0	7.62 CM



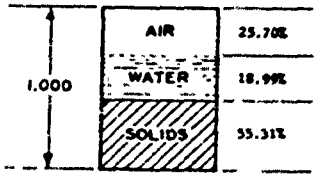


HYDROSTATIC COMPRESSION PHASE

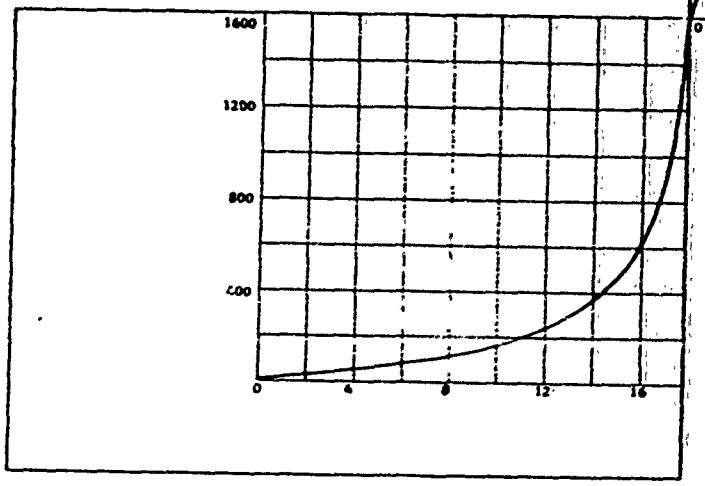


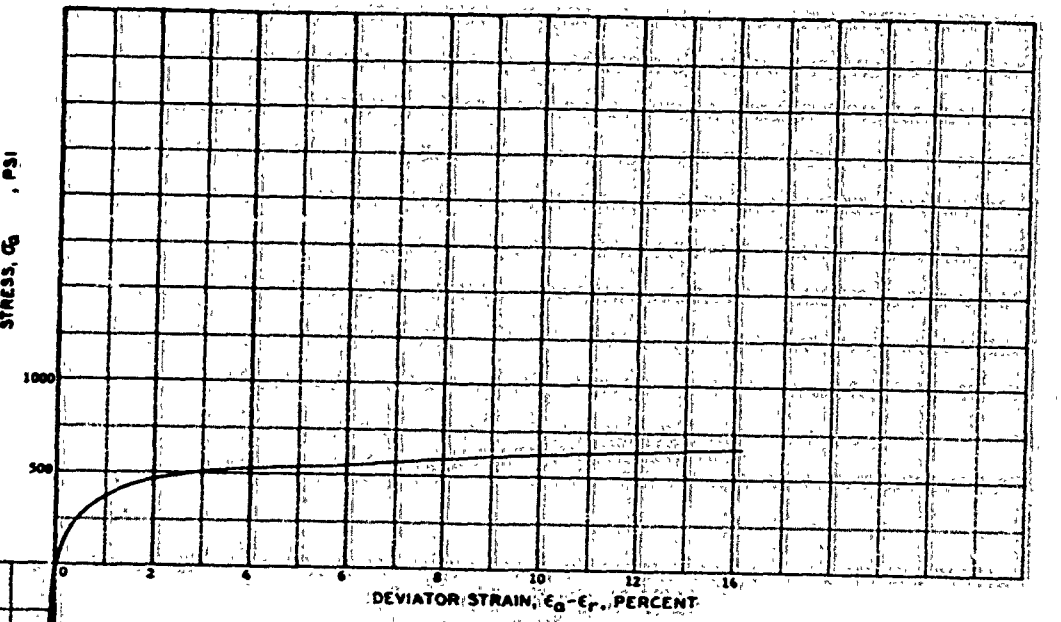
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	312
DEPTH EL		DATE	
LL	36	PL	17
PI	19		
DESCRIPTION	Hatching Hill Clay		
	Constant Stress Ratio, 0.6		
	Initial Pressure, 1600 psi		

WATER CONTENT	w	12.71 %
VOID RATIO	e_0	0.81
SATURATION	S_0	42.68 %
DRY DENSITY	γ_d	93.19 PCF
WET DENSITY	γ	105.02 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.63 CM



HYDROSTATIC COMPRESSION PHASE

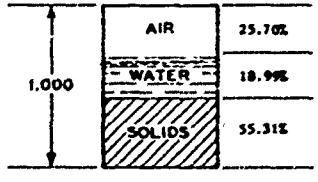


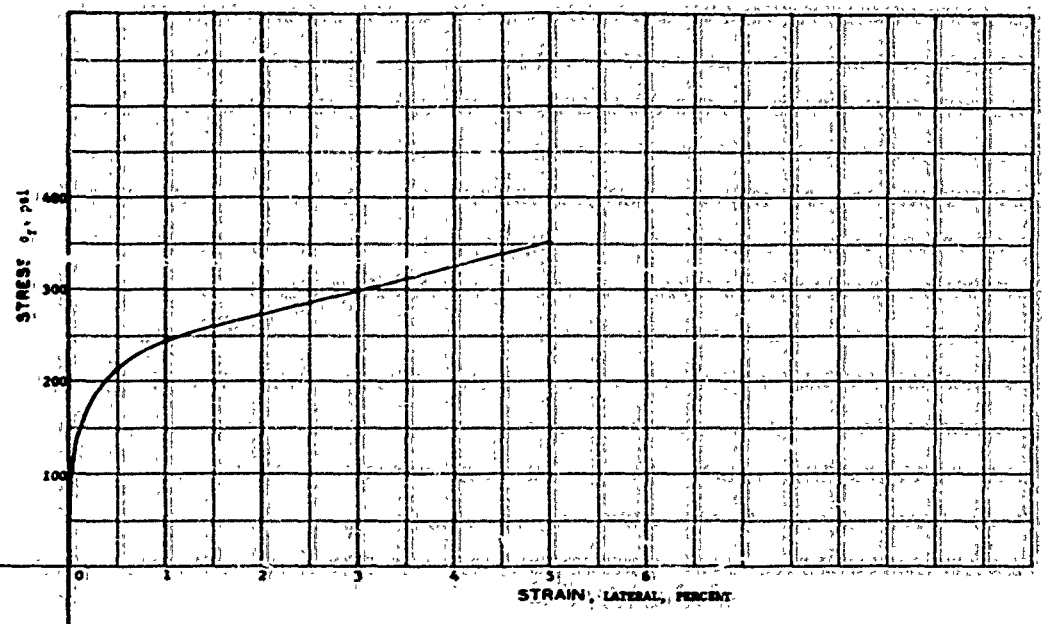


TRIAXIAL SHEAR PHASE

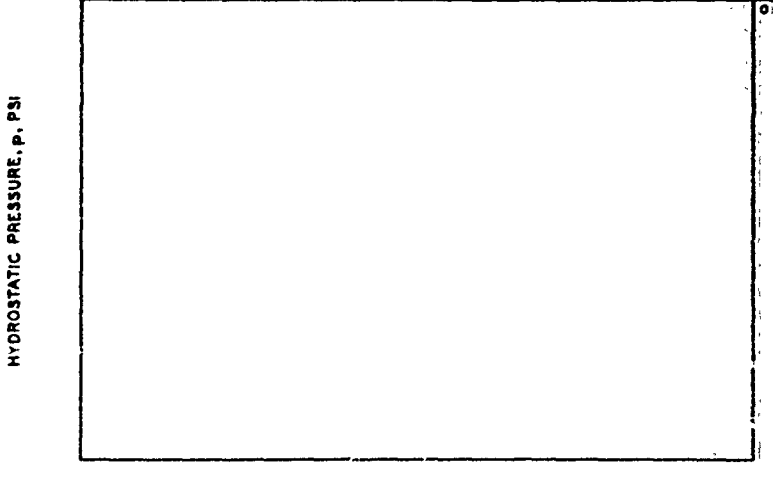
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 327
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION: Watching Hill Clay		
Constant Stress Ratio, 0.6		
Initial Pressure, 1600 psi		

WATER CONTENT	w	12.71	%
VOID RATIO	e_0	0.81	
SATURATION	S_0	42.48	%
DRY DENSITY	γ_d	93.19	PCF
WET DENSITY	γ	105.03	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.63	CM



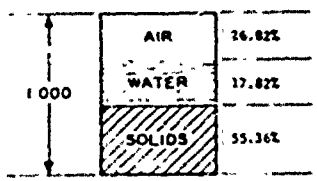


HYDROSTATIC COMPRESSION PHASE

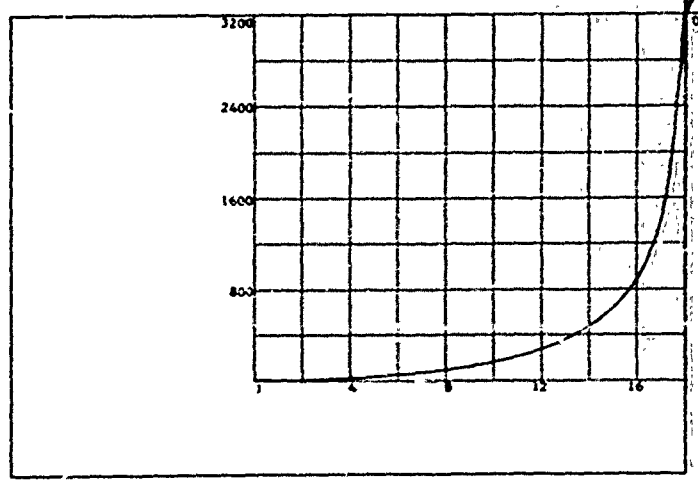


PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO. 327	
DEPTH EL		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION	Watching Hill Clay		
	Constant Stress Ratio, 0.6		
	Initial Pressure, 1600 psi		

WATER CONTENT	w	11.92	%
VOID RATIO	e_0	0.81	
SATURATION	S_0	39.93	%
DRY DENSITY	γ_d	93.27	PCF
WET DENSITY	γ	104.39	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.61	CM



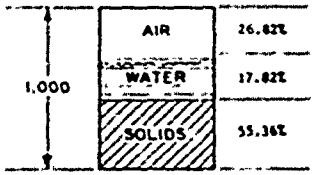
HYDROSTATIC COMPRESSION PHASE

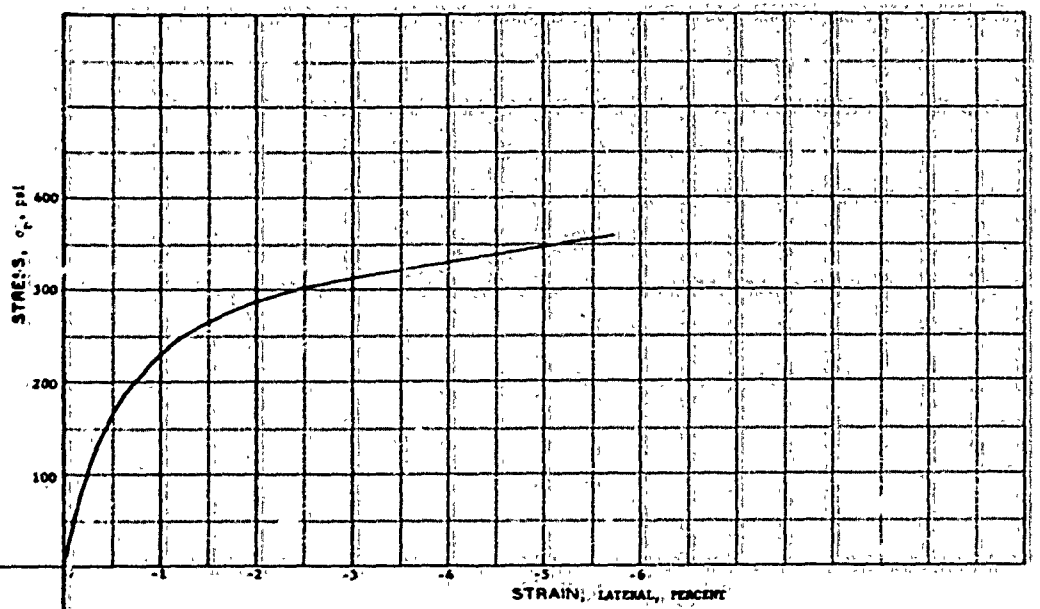


TRIAXIAL SHEAR PHASE

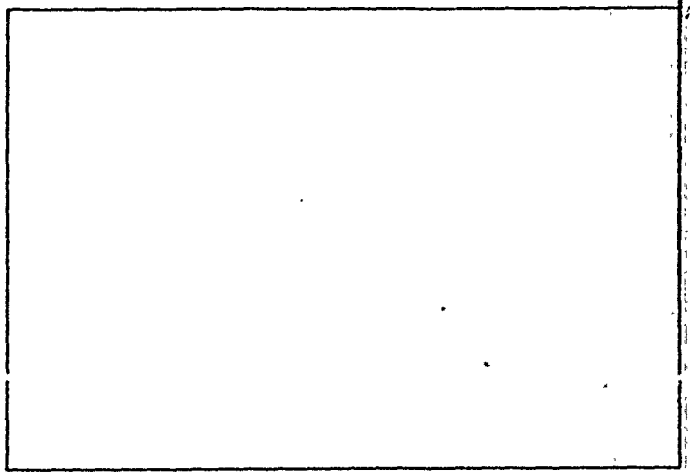
PROJECT: Georgia Institute of Technology B-402		
Contract No. DACA39-67-C-0051		
AREA:		
BORING NO:		SAMPLE NO. 310
DEPTH: EL:		DATE
LL 36	PL 17	PI 19
DESCRIPTION: Watching Mill Clay		
Constant Stress Ratio, 0.6		
Initial Pressure, 3200 psi		

WATER CONTENT	w	11.92 %
VOID RATIO	e_0	0.81
SATURATION	S_0	39.93 %
DRY DENSITY	γ_d	93.21 PCF
WET DENSITY	γ	104.39 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.61 CM



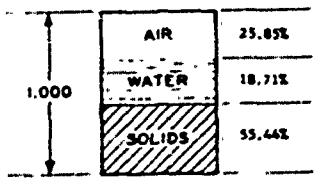


HYDROSTATIC COMPRESSION PHASE

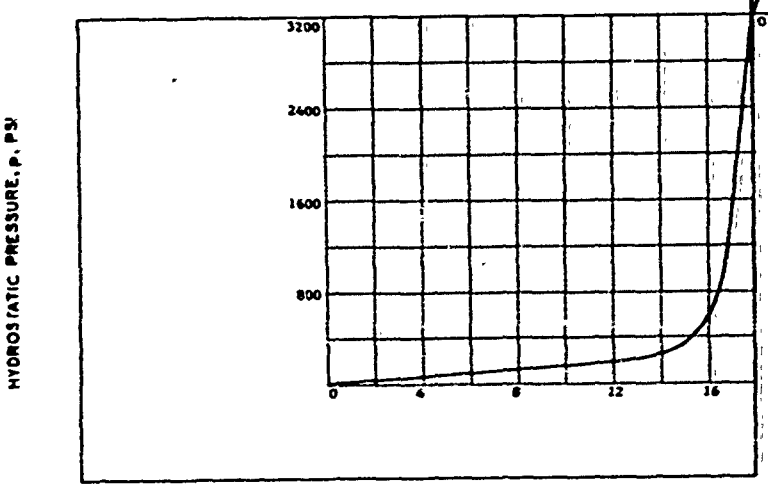


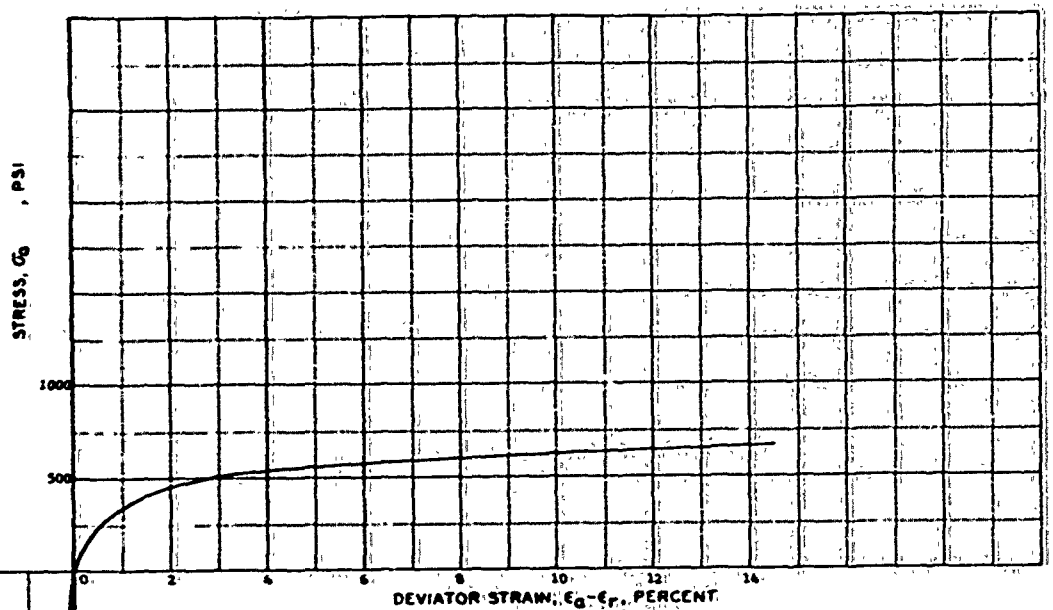
PROJECT	Georgia Institute of Technology B-492	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 310
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay	
	Constant Stress Ratio, 0.6	
	Initial Pressure, 3200 psi	

WATER CONTENT	w	12.50 %
VOID RATIO	e_0	0.80
SATURATION	S_0	41.99 %
DRY DENSITY	γ_d	93.40 PCF
WET DENSITY	γ	105.07 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.63 CM



HYDROSTATIC COMPRESSION PHASE

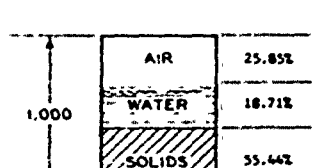


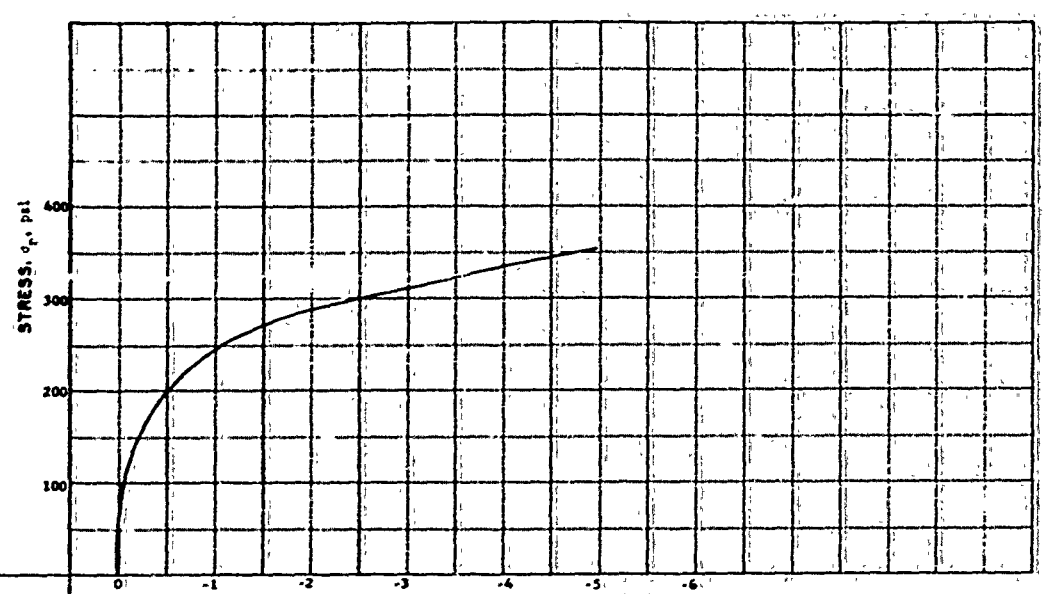


TRIAXIAL SHEAR PHASE

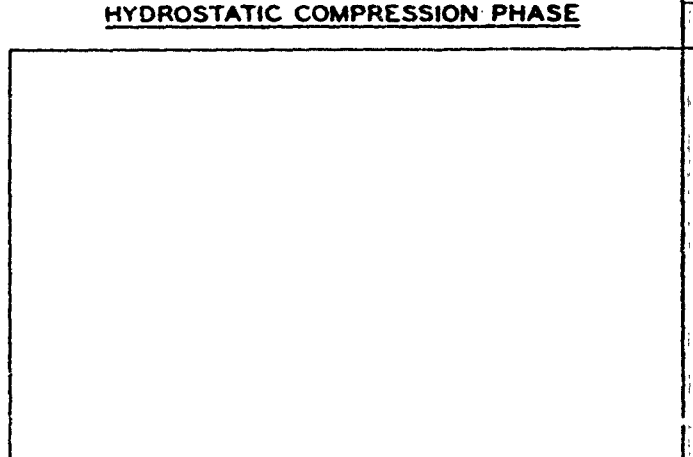
PROJECT	Georgia Institute of Technology B-402	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 313
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay	
	Constant Stress Ratio, 0.6	
	Initial Pressure, 3200 psi	

WATER CONTENT	w	12.50 %
VOID RATIO	e_0	0.80
SATURATION	S_0	41.99 %
DRY DENSITY	γ_d	93.40 PCF
WET DENSITY	γ	105.07 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.63 CM



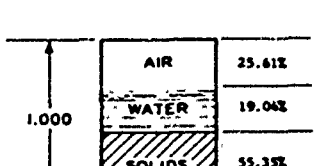


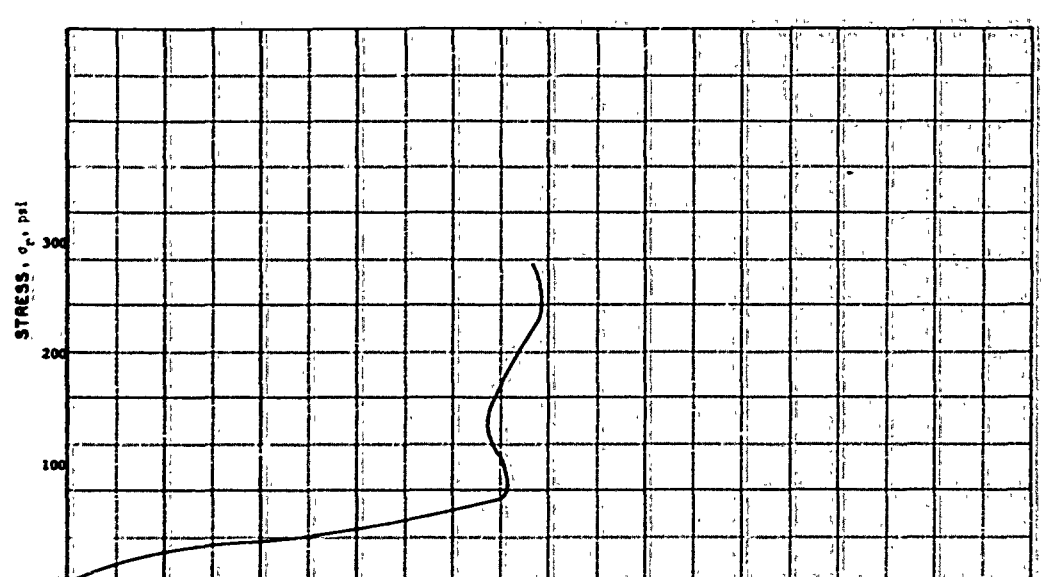
HYDROSTATIC COMPRESSION PHASE



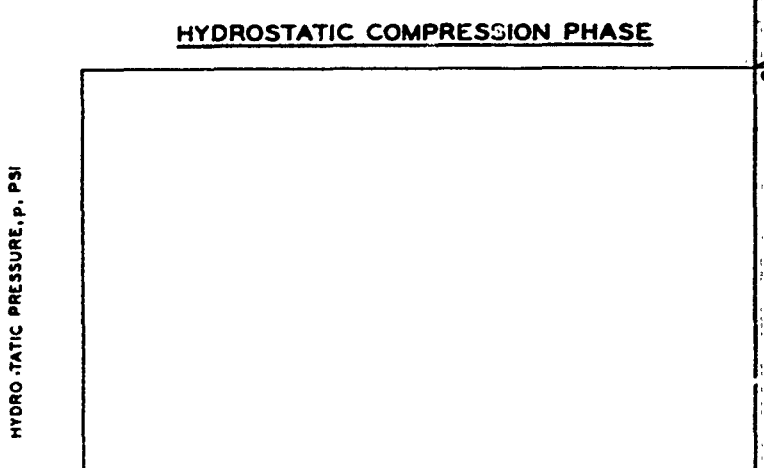
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 313
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay	
	Constant Stress Ratio, 0.6	
	Initial Pressure, 3200 psi	

WATER CONTENT	w	12.74	%
VOID RATIO	e_0	0.81	
SATURATION	S_0	42.64	%
DRY DENSITY	γ_d	93.25	PCF
WET DENSITY	γ	105.16	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.69	CM
SPECIMEN HEIGHT	H_0	7.63	CM





HYDROSTATIC COMPRESSION PHASE



PROJECT Georgia Institute of Technology B-402

Contract No. DACA39-67-C-0051

AREA

BORING NO. | SAMPLE NO. 342

DEPTH | DATE

EL

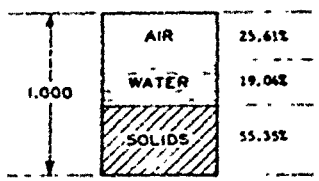
LL 36 | PL 17 | PI 19

DESCRIPTION Matching Hill Clay

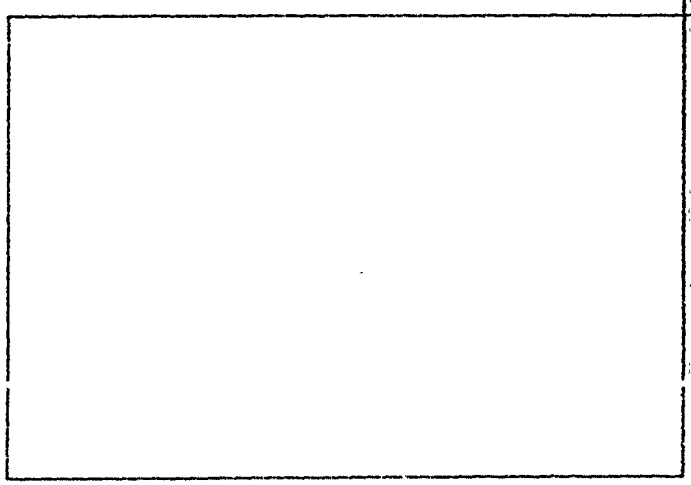
Constant Stress Ratio, 0.8

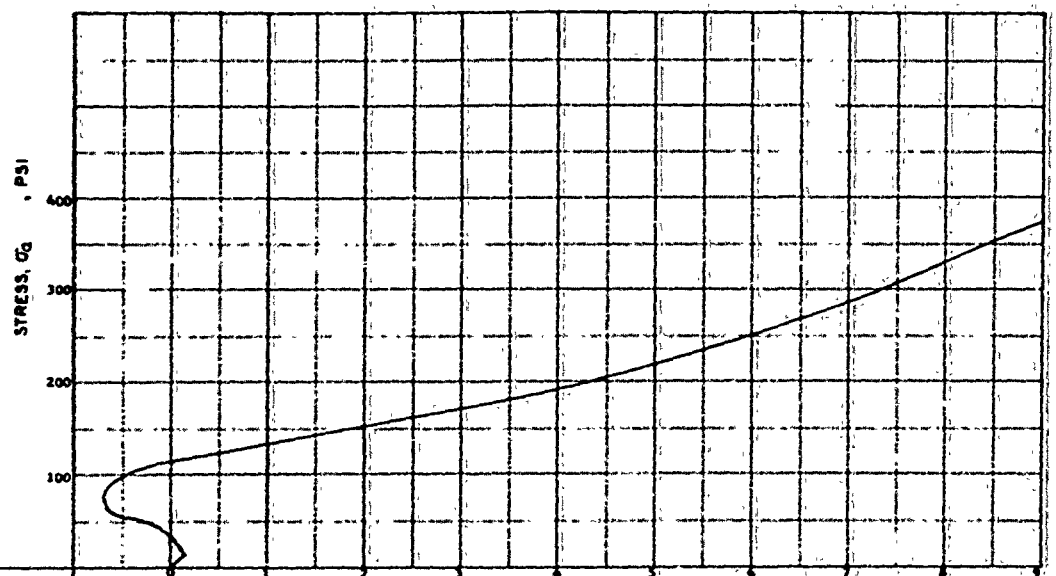
Initial Pressure, 0 psi

WATER CONTENT	w	12.74	%
VOID RATIO	e_0	0.81	
SATURATION	S_0	42.64	%
DRY DENSITY	γ_d	93.25	PCF
WET DENSITY	γ	105.14	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.65	CM



HYDROSTATIC COMPRESSION PHASE





TRIAXIAL SHEAR PHASE

PROJECT Georgia Institute of Technology S-602

Contract No. DAC39-67-C-0051

AREA

BORING NO. | SAMPLE NO. 342

DEPTH | DATE

EL

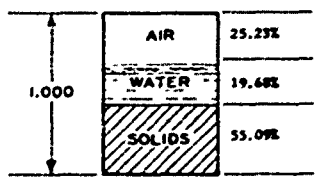
LL 36 | PL 17 | PI 19

DESCRIPTION Vatching Hill Clay

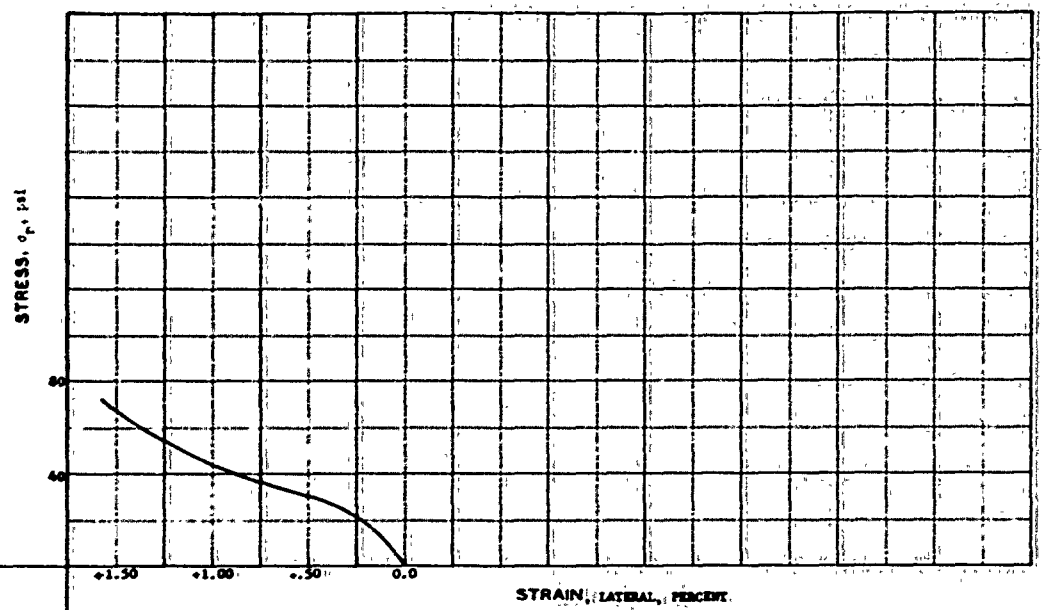
Constant Stress Ratio, 0.8

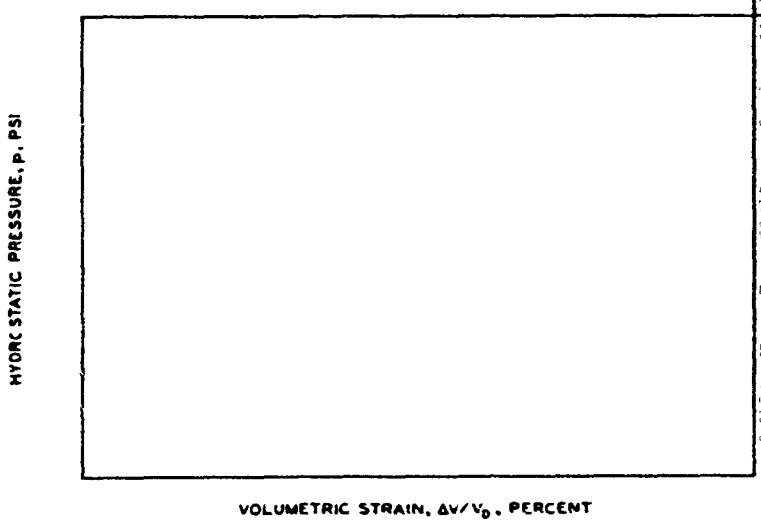
Initial Pressure, 0 psi

WATER CONTENT	w	13.24	%
VOID RATIO	e_0	0.82	
SATURATION	S_0	43.83	%
DRY DENSITY	γ_d	92.81	PCF
WET DENSITY	γ	105.09	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.63	CM



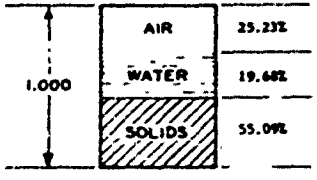
HYDROSTATIC COMPRESSION PHASE



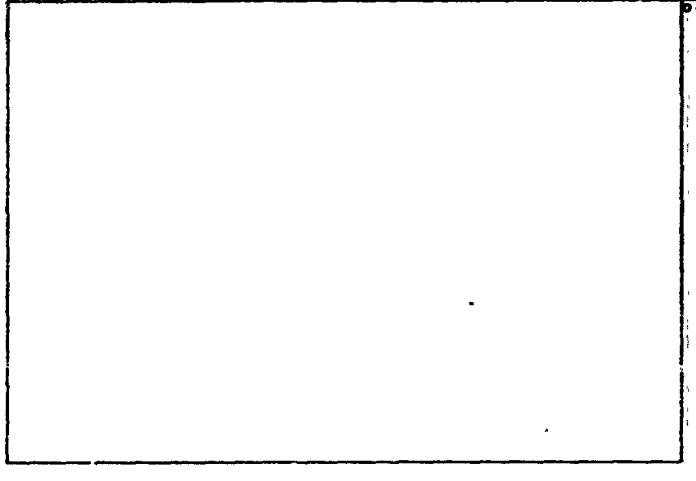


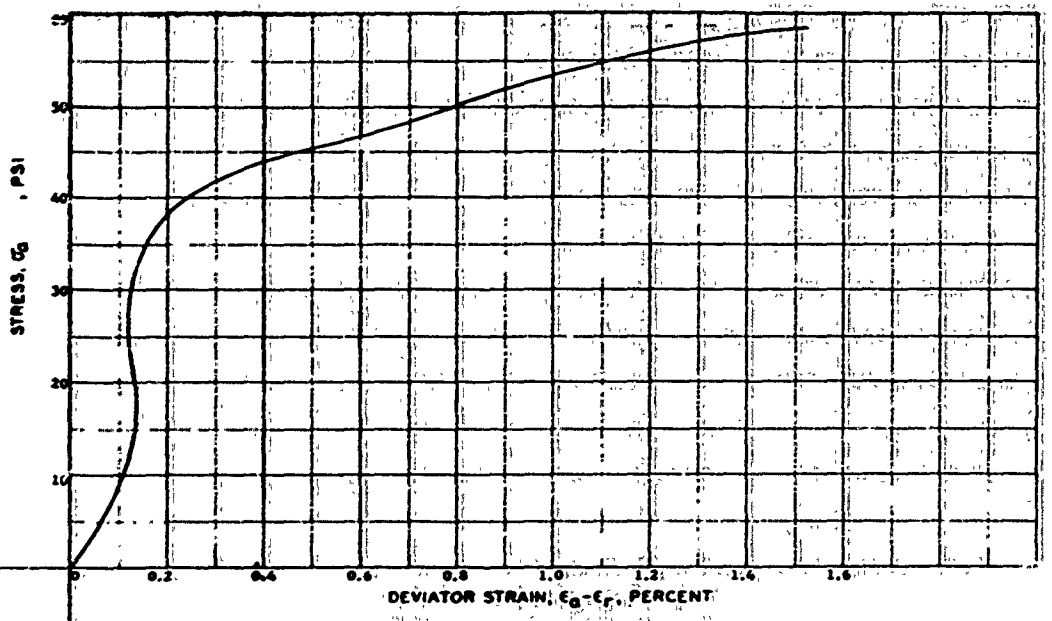
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 343	
DEPTH EL	DATE	
LL 36	PL 17	PI 19
DESCRIPTION: Watching Hill Clay		
Constant Stress Ratio, 0.8		
Initial Pressure, 0 psi		

WATER CONTENT	w	13.24 %
VOID RATIO	e_0	0.82
SATURATION	S_0	43.83 %
DRY DENSITY	γ_d	92.81 PCF
WET DENSITY	γ	105.09 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.63 CM



HYDROSTATIC COMPRESSION PHASE

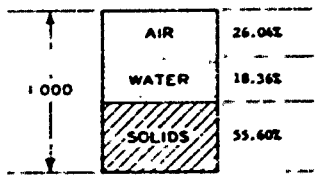


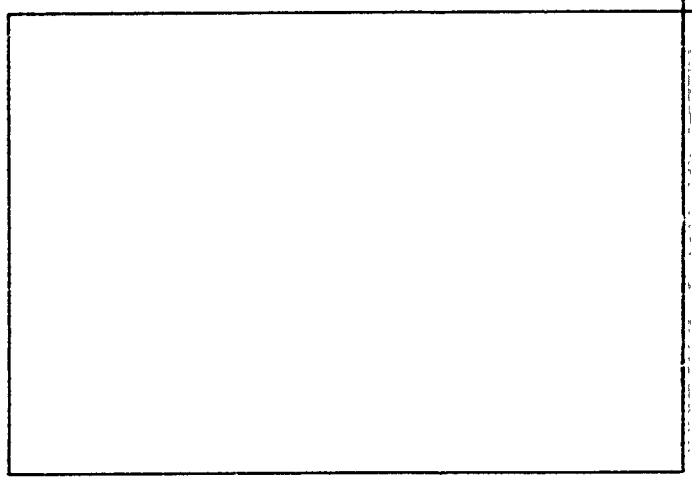


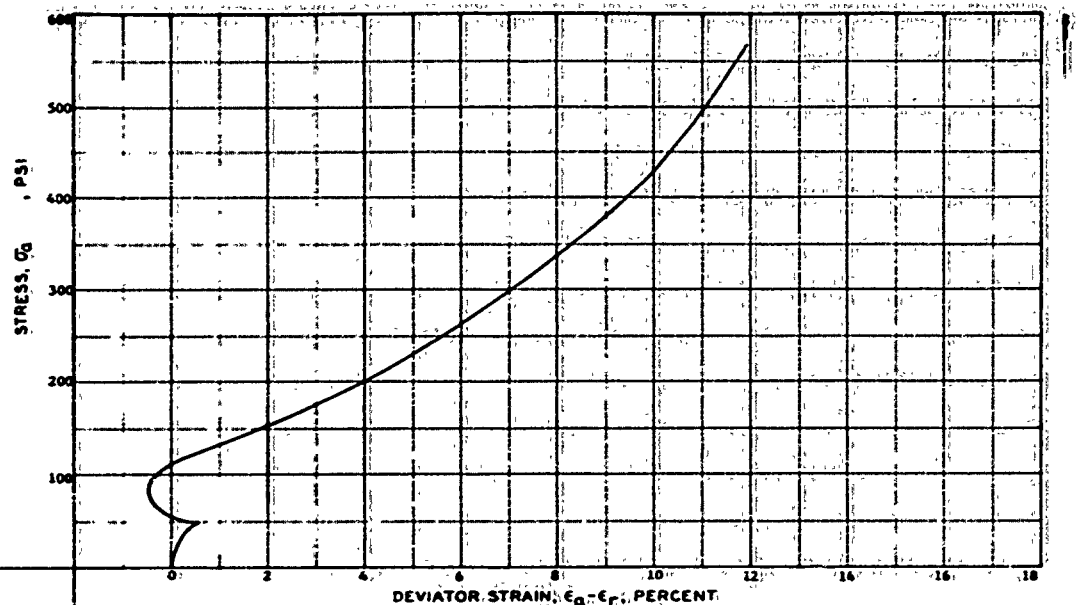
TRIAXIAL SHEAR PHASE

PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 343
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION: Watching Hill Clay		
Constant Stress Ratio, 0.8		
Initial Pressure, 0 psi		

WATER CONTENT	w	12.23	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.36	%
DRY DENSITY	γ_d	93.68	PCF
WET DENSITY	γ	105.16	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.63	CM

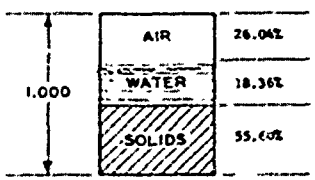


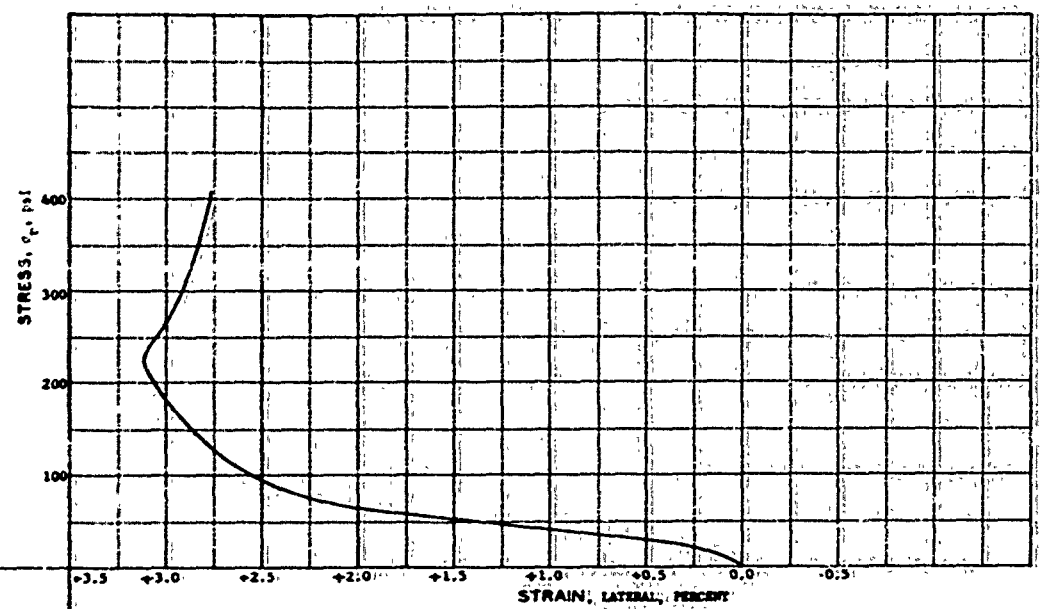




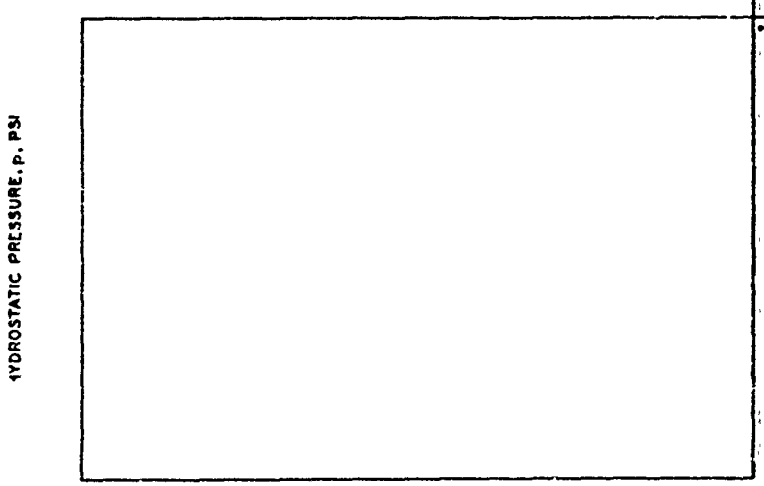
PROJECT: Georgia Institute of Technology B-602			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 345	
DEPTH EL		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION: Watching Hill Clay			
Constant Stress Ratio, 0.8			
Initial Pressure, 0 psi			

WATER CONTENT	w	12.23	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.34	%
DRY DENSITY	γ_d	93.68	PCF
WET DENSITY	γ	105.14	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.63	CM



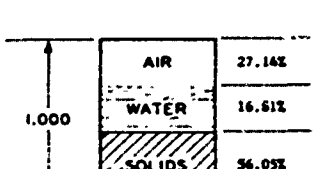


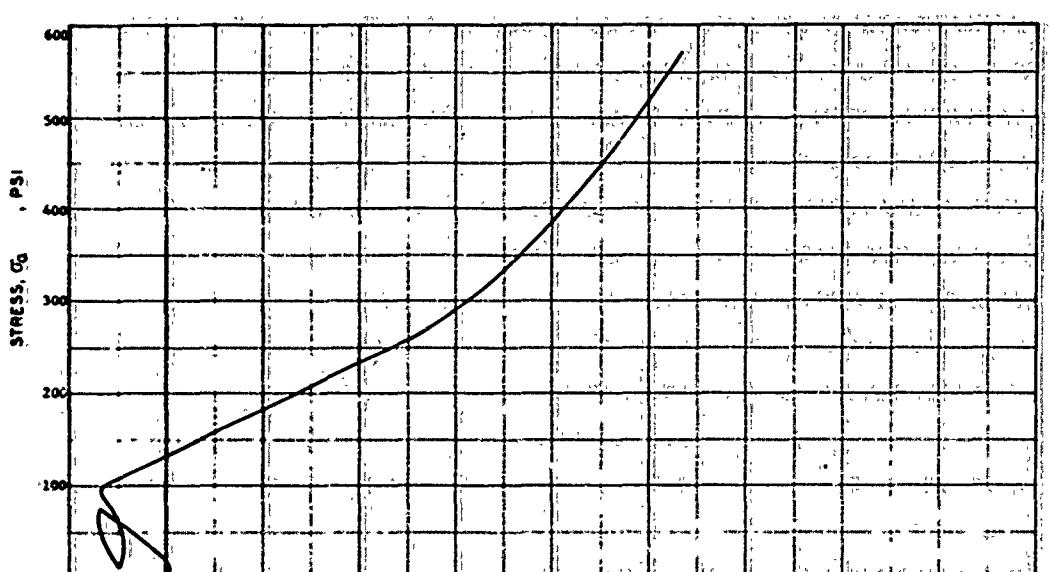
HYDROSTATIC COMPRESSION PHASE



PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA:		
BORING NO.	SAMPLE NO. 345	
DEPTH EL.	DATE	
LL 36	PL 17	PI 19
DESCRIPTION: Watching Mill Clay		
Constant Stress Ratio, 0.8		
Initial Pressure, 0 psi		

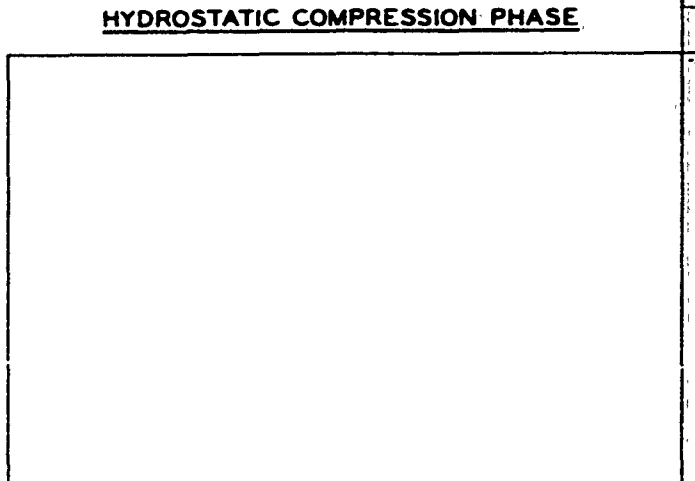
WATER CONTENT	w	11.11	%
VOID RATIO	e_0	0.78	
SATURATION	S_0	38.75	%
DRY DENSITY	γ_d	94.43	PCF
WET DENSITY	γ	104.92	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.63	CM





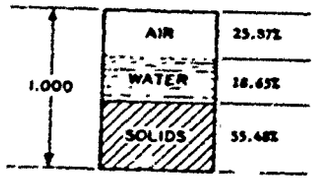
TRIAXIAL SHEAR PHASE

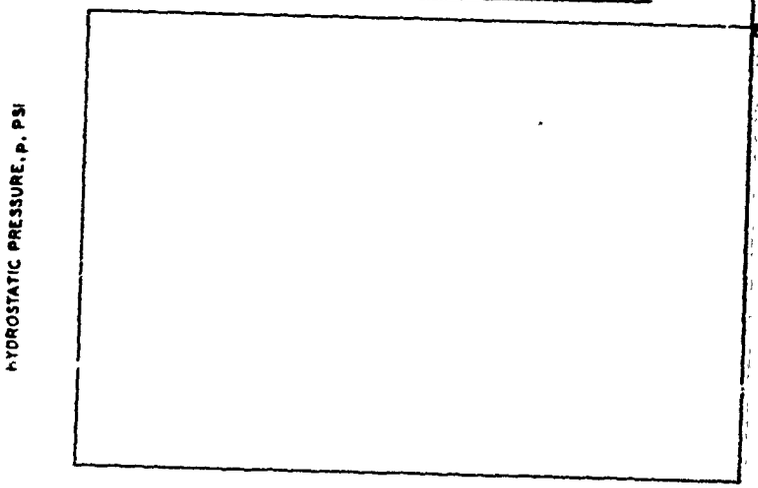
HYDROSTATIC COMPRESSION PHASE

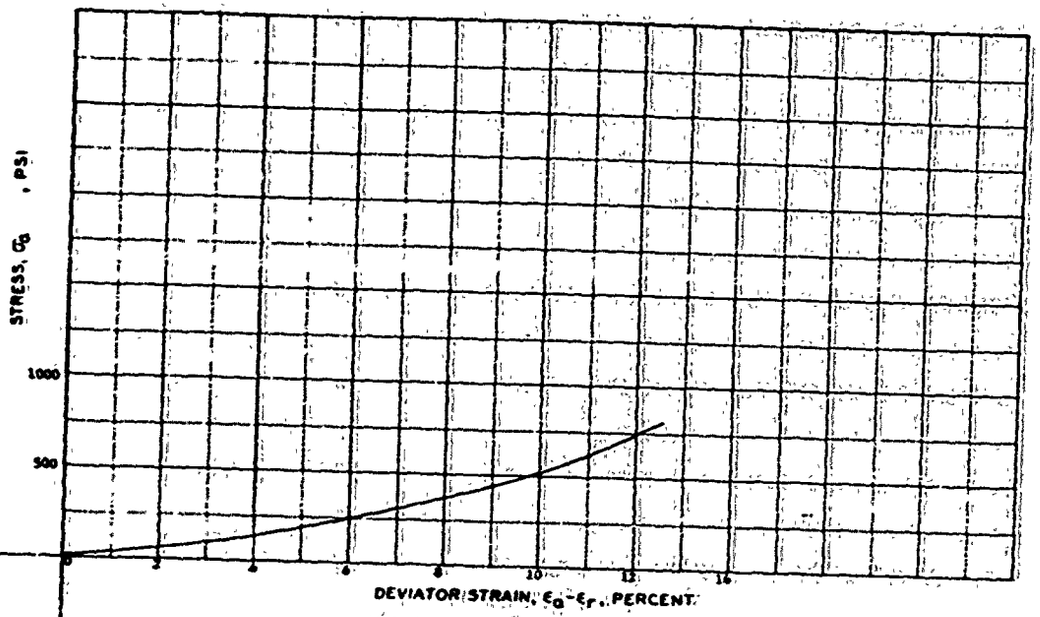


PROJECT	Georgia Institute of Technology		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	349
DEPTH			
EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Hatching Mill Clay		
	Constant Stress Ratio, 0.8; Initial Pressure, 0 psi		
	Cycle Shear @ 35%		

WATER CONTENT	w	12.45	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.88	%
DRY DENSITY	γ_d	93.47	PCF
WET DENSITY	γ	105.11	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.61	CM

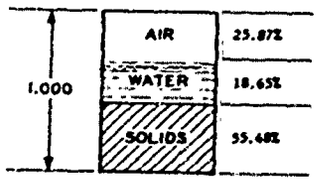


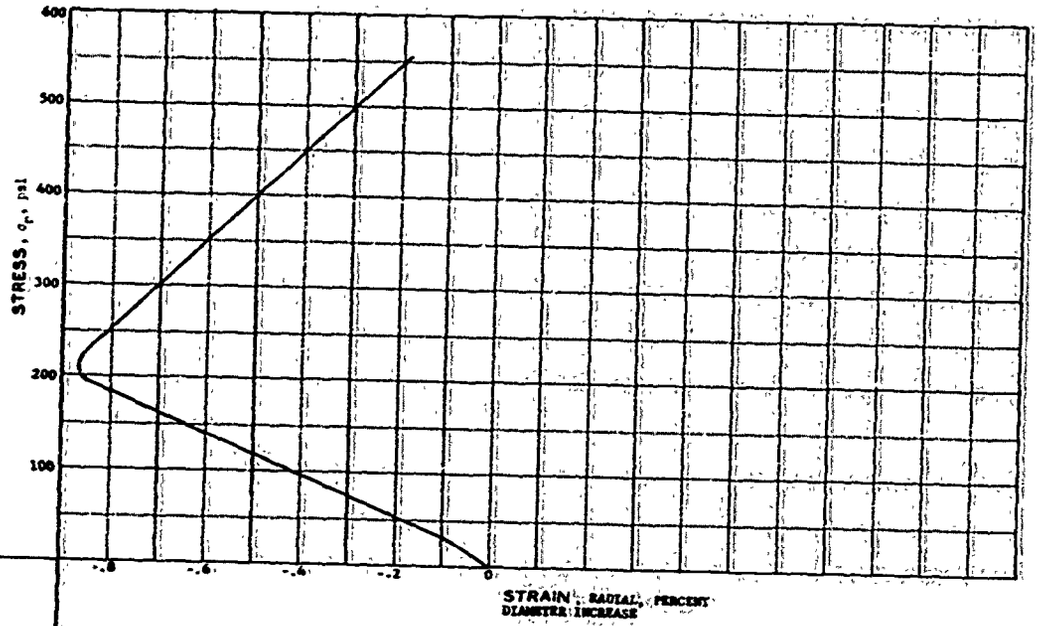




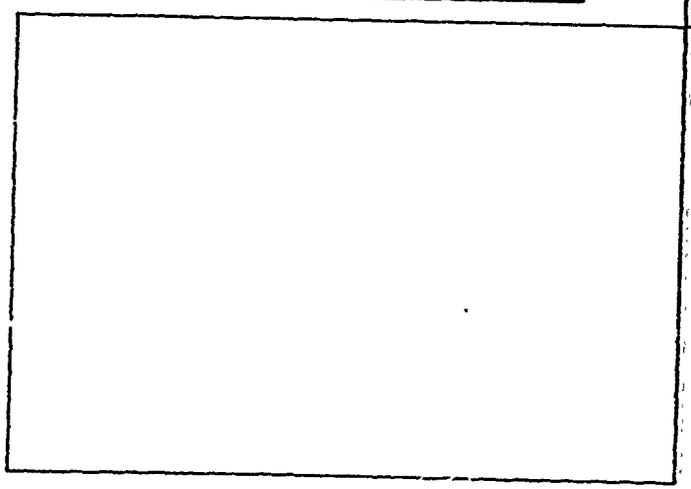
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 293
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay	
	Constant Stress Ratio, 0.8	
	Initial Pressure, 100 psi	

WATER CONTENT	w	12.43 %
VOID RATIO	e_0	0.80
SATURATION	S_0	41.88 %
DRY DENSITY	γ_d	93.47 PCF
WET DENSITY	γ	105.11 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.61 CM



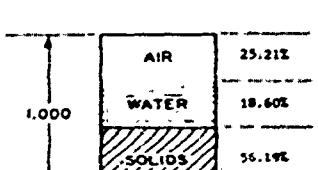


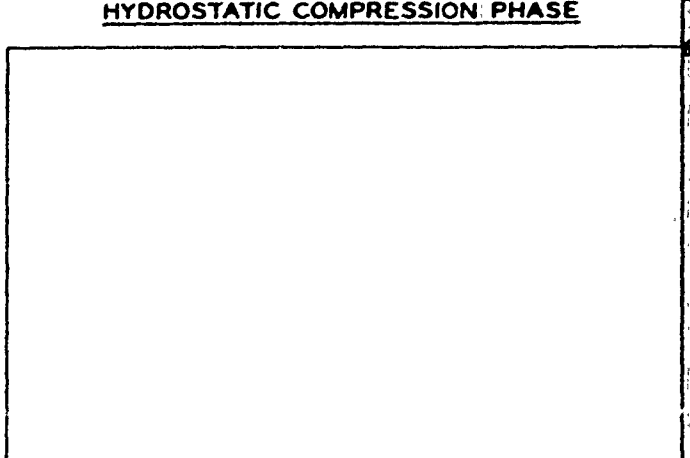
HYDROSTATIC COMPRESSION PHASE

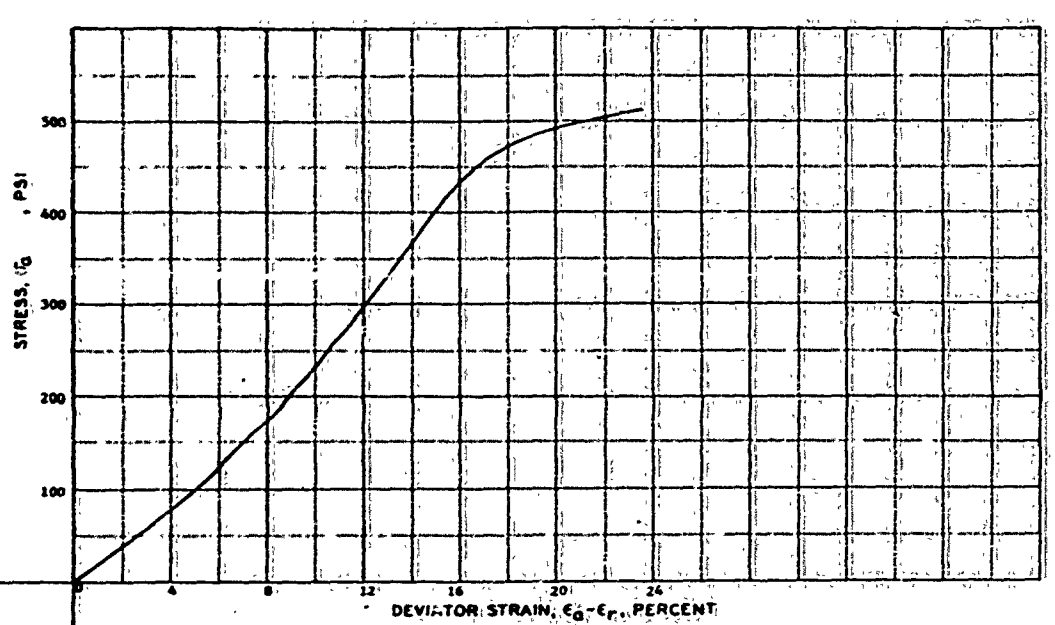


PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 293
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay	
	Constant Stress Ratio, 0.8	
	Initial Pressure, 100 psi	

WATER CONTENT	w	12.26 %
VOID RATIO	e_0	0.78
SATURATION	S_0	42.46 %
DRY DENSITY	γ_d	96.67 PCF
WET DENSITY	γ	106.28 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.47 CM
SPECIMEN HEIGHT	H_0	7.62 CM

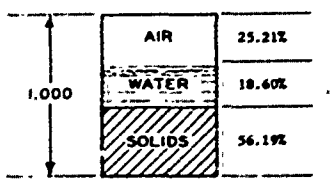


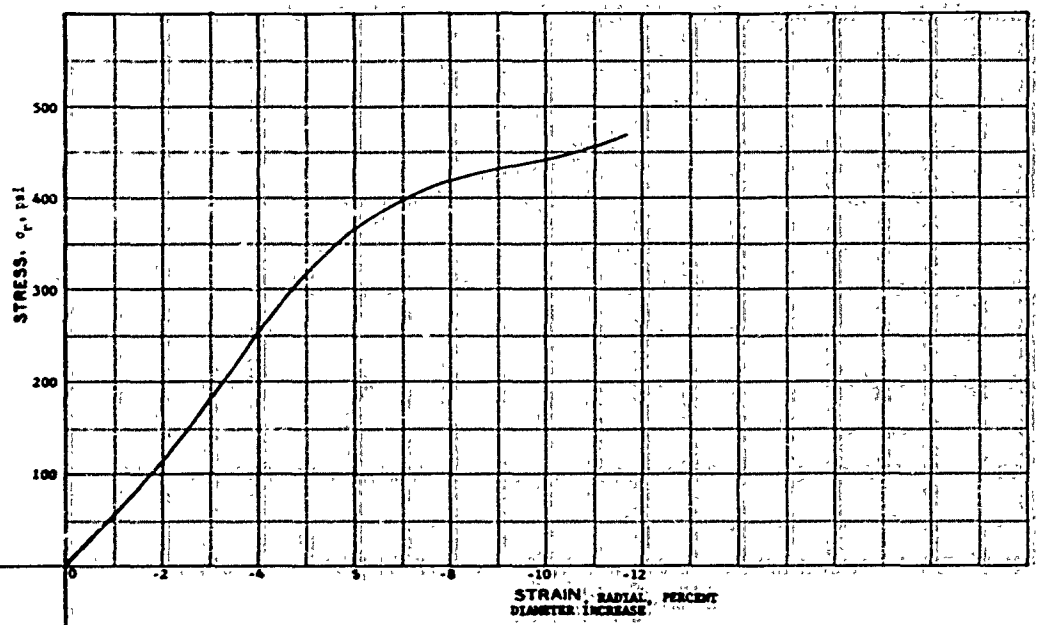




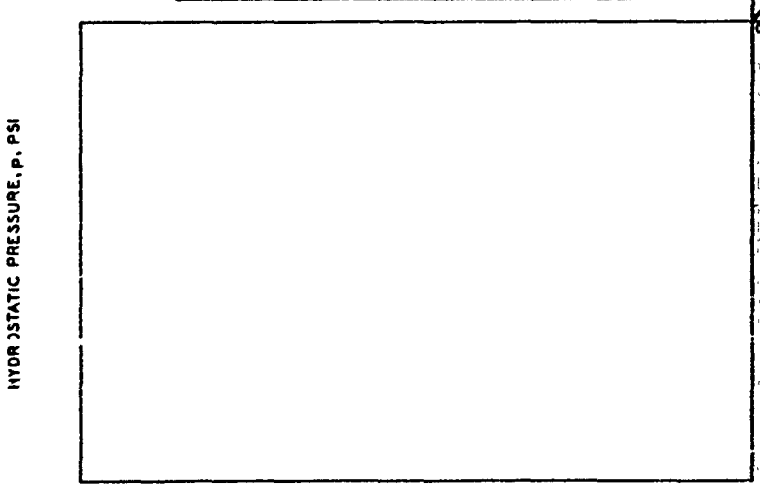
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA19-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	298
DEPTH EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Watchung Mill Clay		
	Constant Stress Ratio, 0.8		
	Initial Pressure, 1100 psi		

WATER CONTENT	W	12.26 %
VOID RATIO	e_0	0.78
SATURATION	S_0	42.46 %
DRY DENSITY	γ_d	94.67 PCF
WET DENSITY	γ	106.28 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.47 CM
SPECIMEN HEIGHT	H_0	7.62 CM



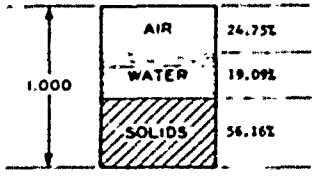


HYDROSTATIC COMPRESSION PHASE

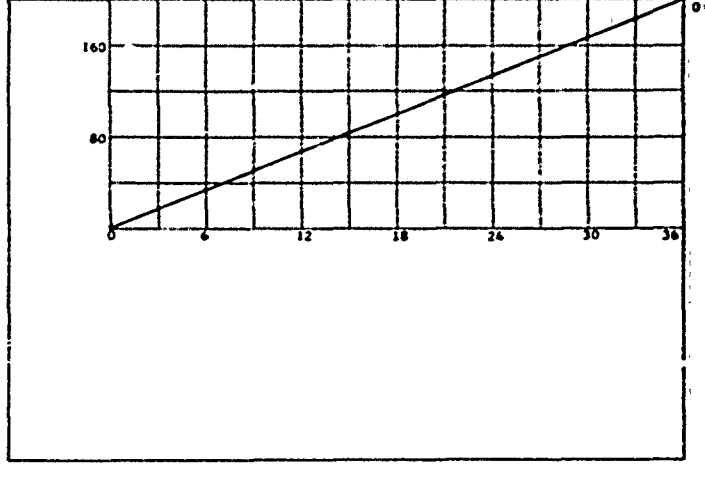


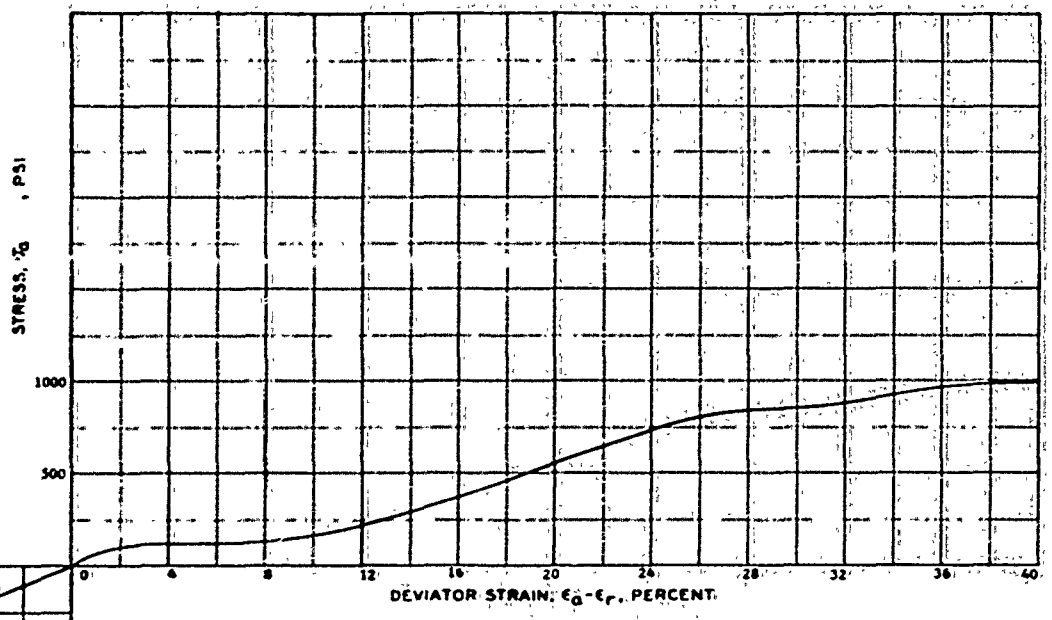
PROJECT: Georgia Institute of Technology B-602			
Contract No. DACA39-67-C-0031			
AREA			
BORING NO.		SAMPLE NO: 298	
DEPTH EL		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION: Watching Hill Clay			
Constant Stress Ratio, 0.8			
Initial Pressure, 100 psi			

WATER CONTENT	w	12.59	%
VOID RATIO	e_0	0.78	
SATURATION	S_0	43.56	%
DRY DENSITY	γ_d	96.63	PCF
WET DENSITY	γ	106.56	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.47	CM
SPECIMEN HEIGHT	H_0	7.63	CM



HYDROSTATIC COMPRESSION PHASE

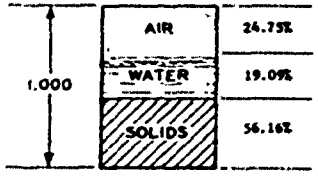


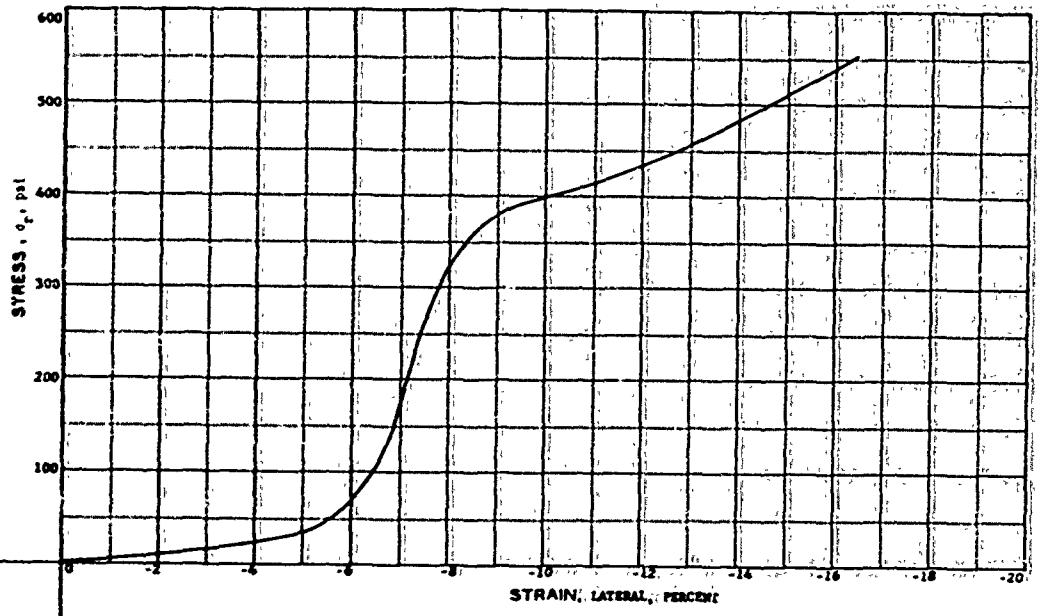


TRIAXIAL SHEAR PHASE

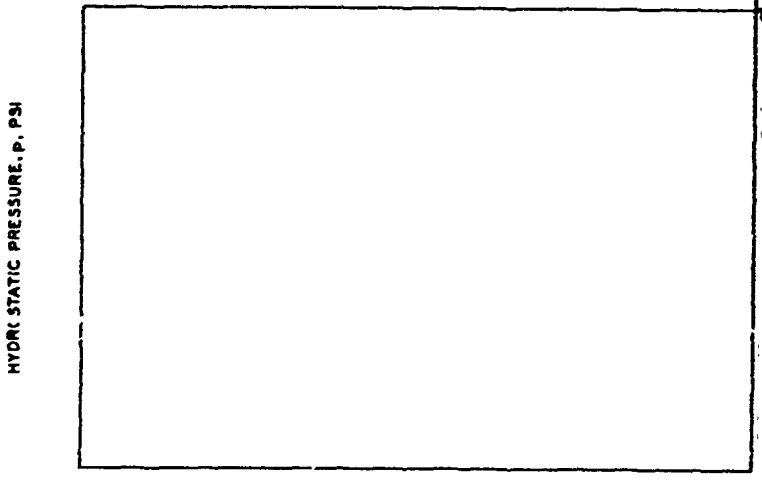
PROJECT: Georgia Institute of Technology			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 283	
DEPTH EL.		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION: Watchine Hill Clay			
Constant Stress Ratio, 0.8; Initial Pressure, 200 psi			

WATER CONTENT	W	12.59 %
VOID RATIO	e_o	0.78
SATURATION	S_o	43.54 %
DRY DENSITY	γ_d	94.63 PCF
WET DENSITY	γ	106.54 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_o	3.47 CM
SPECIMEN HEIGHT	H_o	7.63 CM



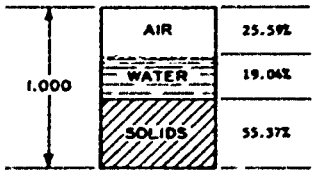


HYDROSTATIC COMPRESSION PHASE

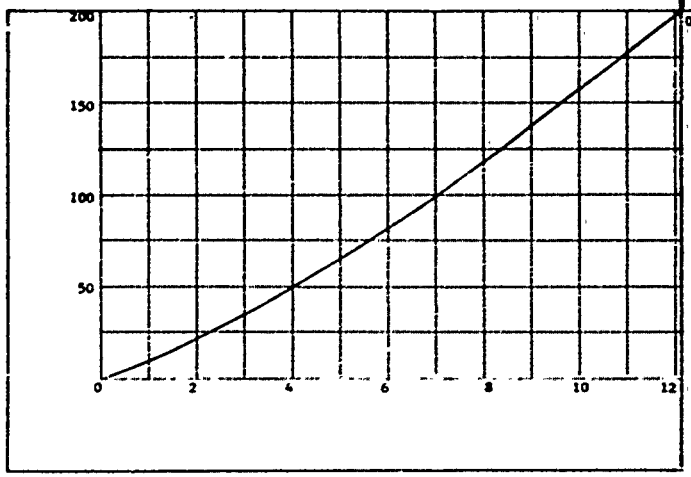


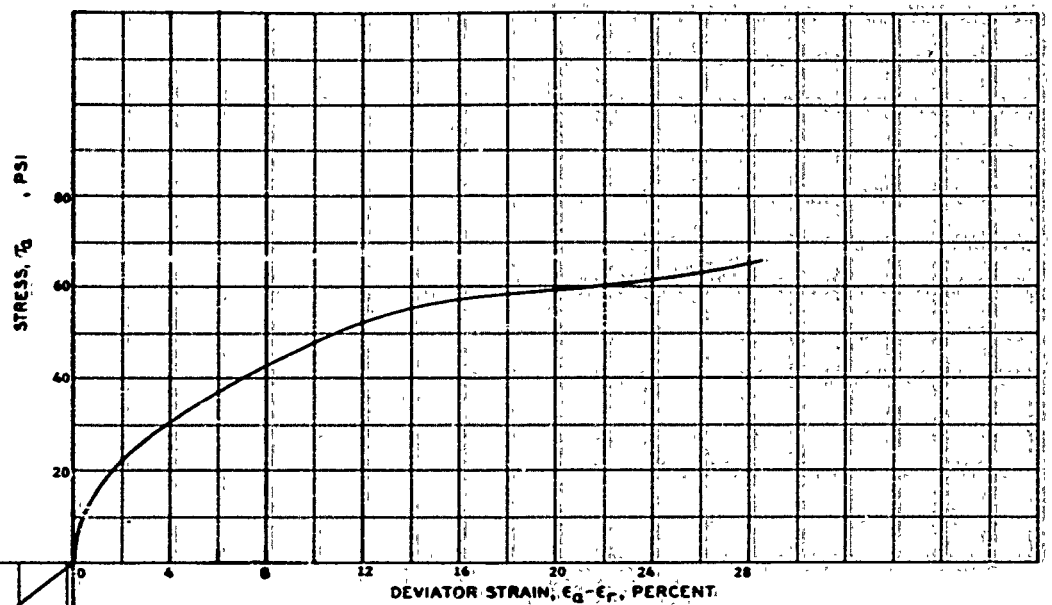
PROJECT: Georgia Institute of Technology		
Contract No.: DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO: 283
DEPTH: EL.		DATE
LL 36	PL 17	PI 19
DESCRIPTION: Watching Hill Clay		
Constant Stress Ratio, 0.8; Initial Pressure, 200 psi		

WATER CONTENT	w	12.73 %
VOID RATIO	e_0	0.81
SATURATION	S_0	42.67 %
DRY DENSITY	γ_d	93.30 PCF
WET DENSITY	γ	105.18 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.63 CM



HYDROSTATIC COMPRESSION PHASE

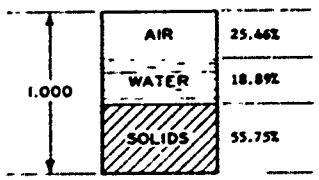


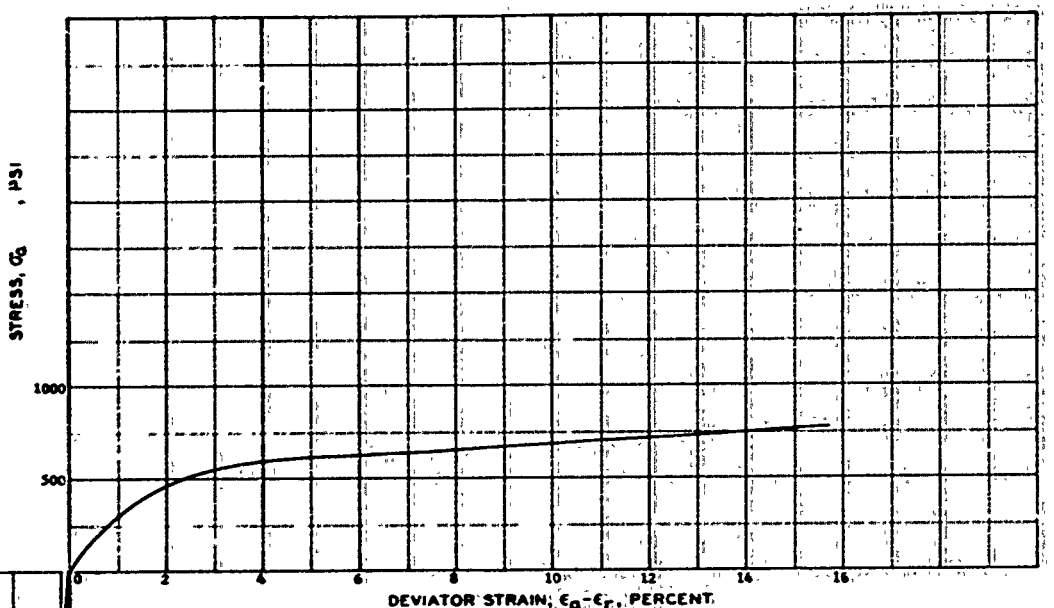


TRIAXIAL SHEAR PHASE

PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 292	
DEPTH EL.	DATE	
LL 36	PL 17	PI 19
DESCRIPTION: Watching Hill Clay		
Constant Stress Ratio, 0.8		
Initial Pressure, 200 psi		

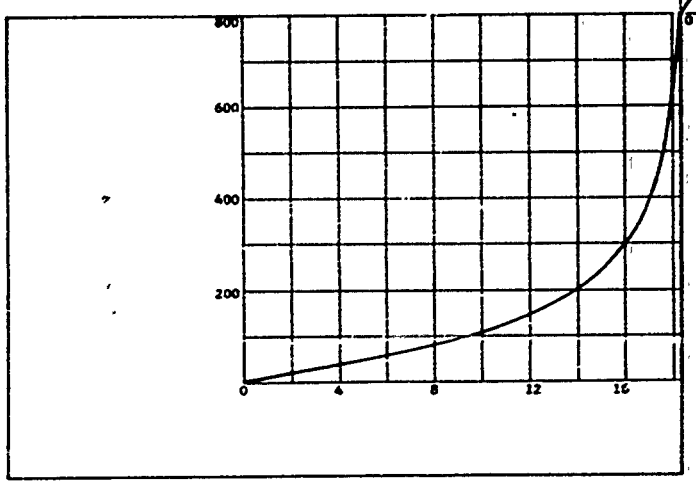
WATER CONTENT	w	12.55	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	42.69	%
DRY DENSITY	γ_d	93.92	PCF
WET DENSITY	γ	105.71	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.48	CM
SPECIMEN HEIGHT	H_0	7.63	CM





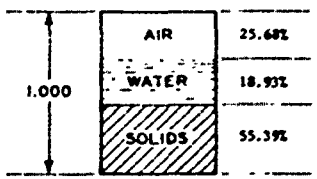
TRIAXIAL SHEAR PHASE

HYDROSTATIC COMPRESSION PHASE

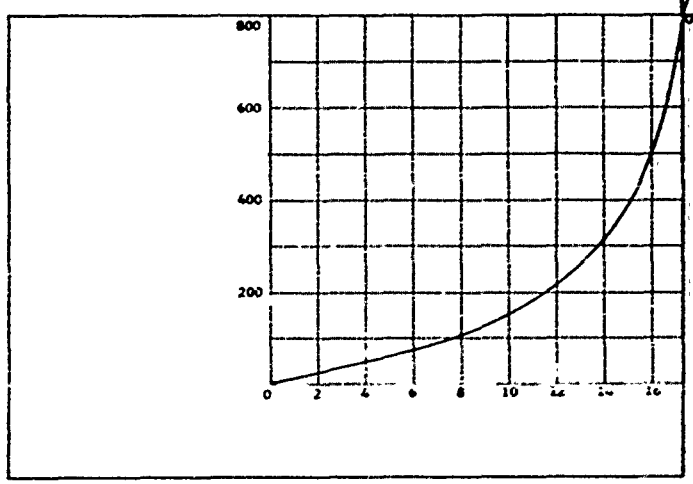


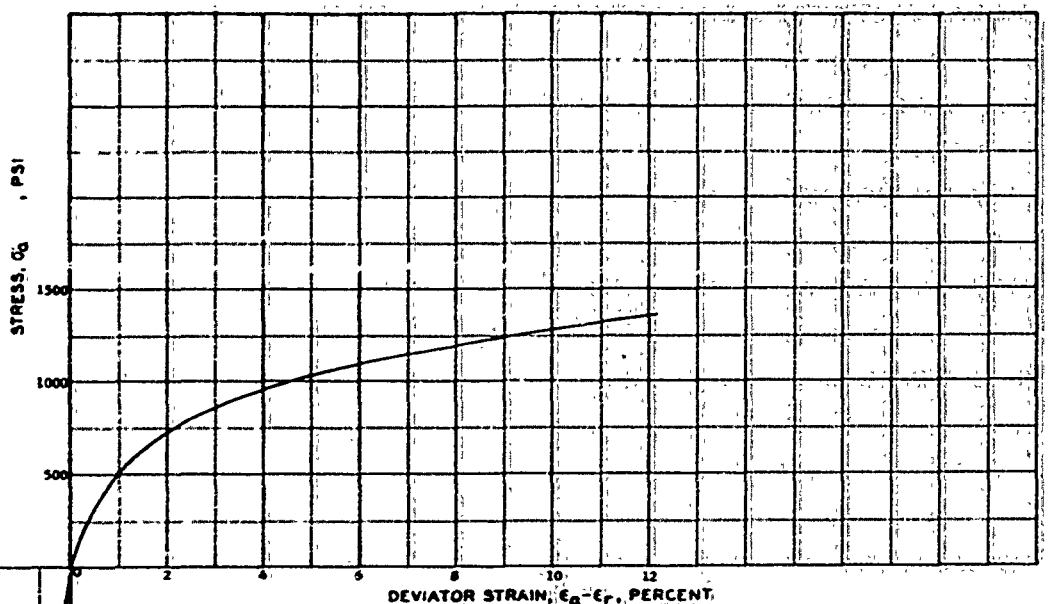
PROJECT: Georgia Institute of Technology B-602			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 317	
DEPTH EL		DATE	
LL 36	PL 17		PI 19
DESCRIPTION: Watching Hill Clay			
Constant Stress Ratio, 0.8			
Initial Pressure, 800 psi			

WATER CONTENT	w	12.66 %
VOID RATIO	e_0	0.81
SATURATION	S_0	42.44 %
DRY DENSITY	γ_d	93.32 PCF
WET DENSITY	γ	105.13 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.62 CM



HYDROSTATIC COMPRESSION PHASE

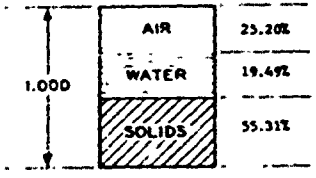




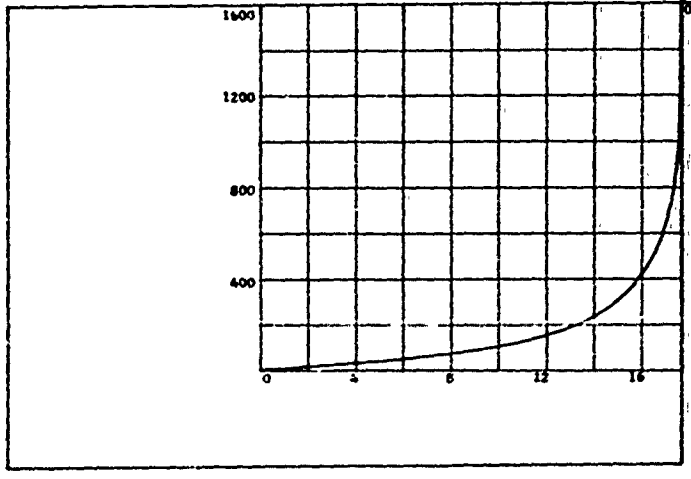
TRIAXIAL SHEAR PHASE

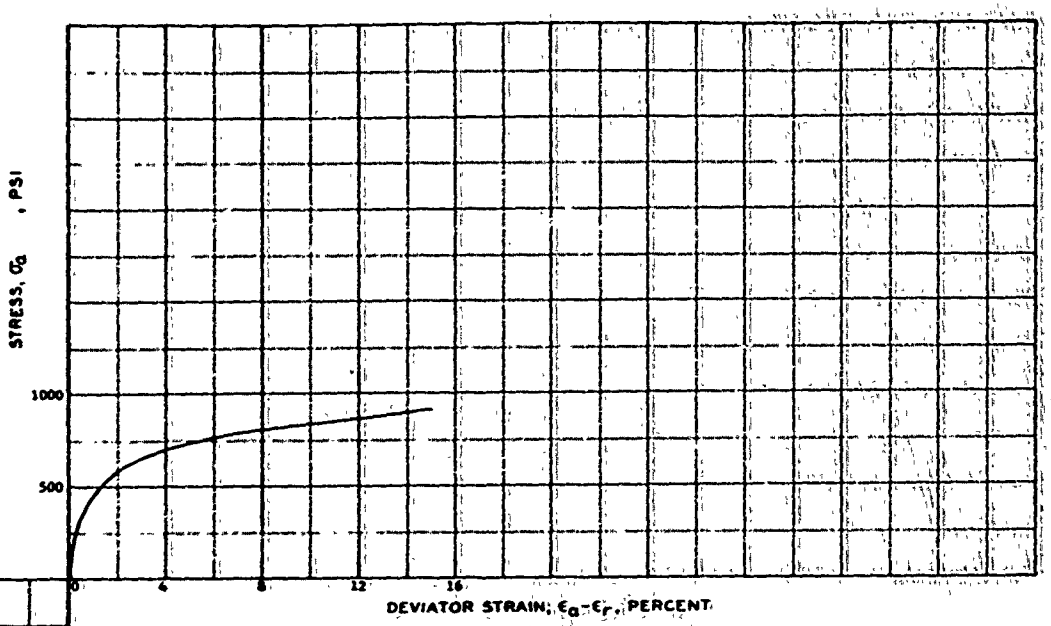
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 330	
DEPTH EL.	DATE	
LL 36	PL 17	PI 19
DESCRIPTION: Watchung Hill Clay		
Constant Stress Ratio, 0.8		
Initial Pressure, 800 psi		

WATER CONTENT	w	13.05 %
VOID RATIO	e_0	0.81
SATURATION	S_0	43.62 %
DRY DENSITY	γ_d	93.19 PCF
WET DENSITY	γ	105.35 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.62 CM



HYDROSTATIC COMPRESSION PHASE

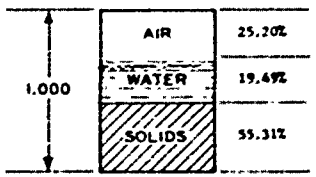


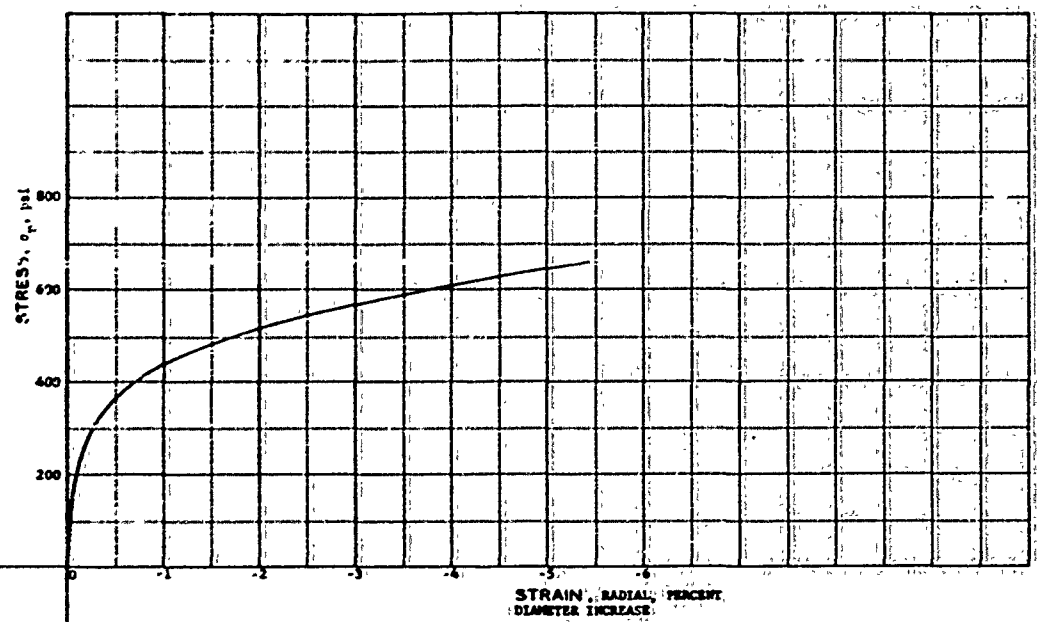


TRIAXIAL SHEAR PHASE

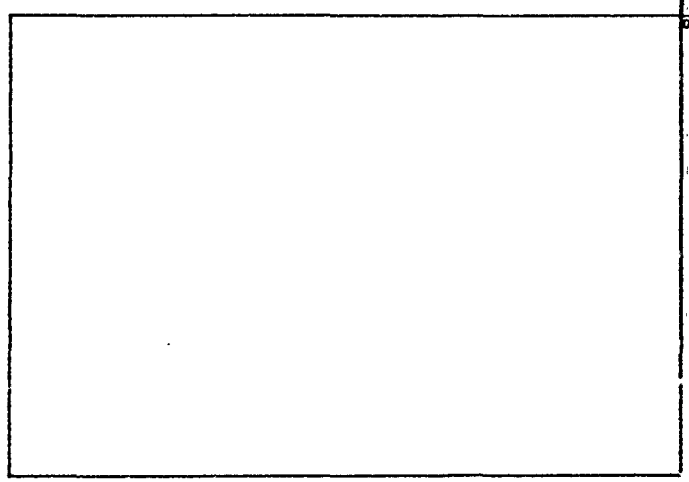
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO. 316	
DEPTH EL		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION	Hatching Hill Clay		
	Constant Stress Ratio, 0.8		
	Initial Pressure, 1600 psi		

WATER CONTENT	w	13.05	%
VOID RATIO	e_o	0.81	
SATURATION	S_o	43.62	%
DRY DENSITY	γ_d	93.19	PCF
WET DENSITY	γ	105.35	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_o	3.49	CM
SPECIMEN HEIGHT	H_o	7.62	CM



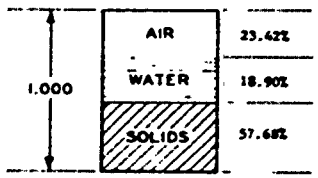


HYDROSTATIC COMPRESSION PHASE

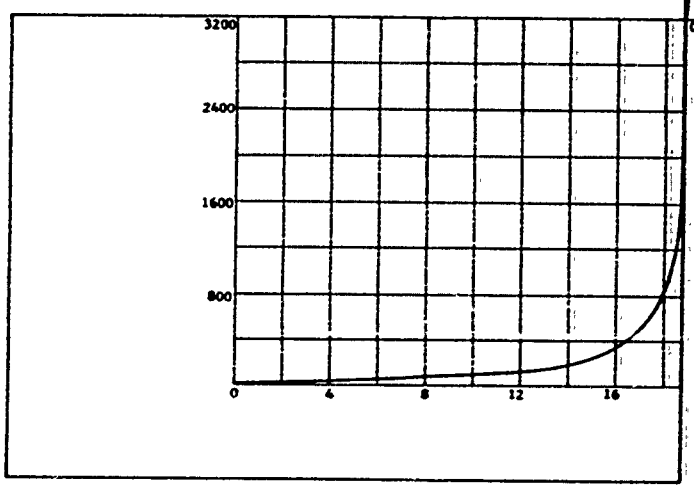


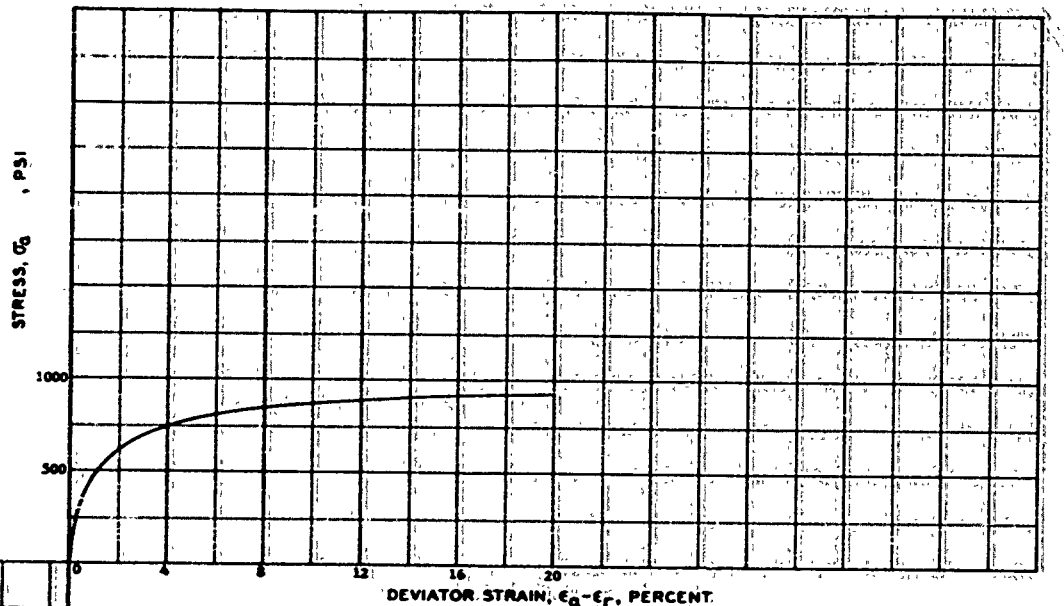
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO. 316	
DEPTH EL		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION	Watching Hill Clay		
	Constant Stress Ratio, 0.8		
	Initial Pressure, 1600 psi		

WATER CONTENT	w	12.14 %
VOID RATIO	e_0	0.73
SATURATION	S_0	44.67 %
DRY DENSITY	γ_d	97.19 PCF
WET DENSITY	γ	108.98 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.63 CM



HYDROSTATIC COMPRESSION PHASE

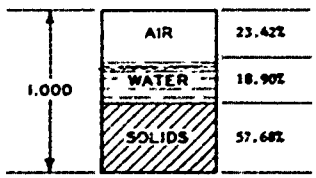




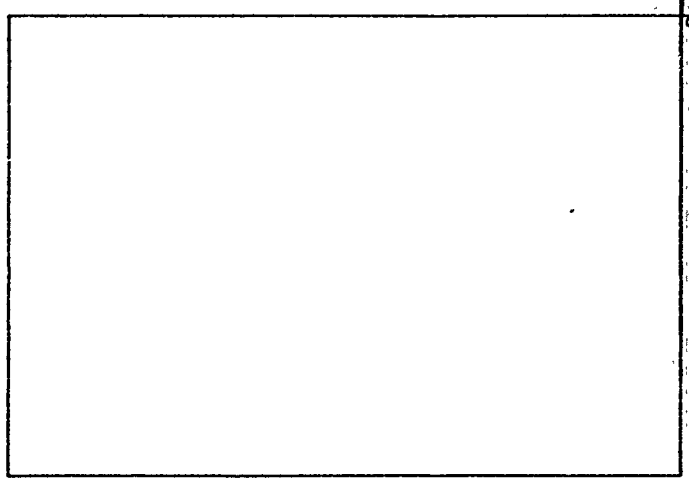
TRIAXIAL SHEAR PHASE

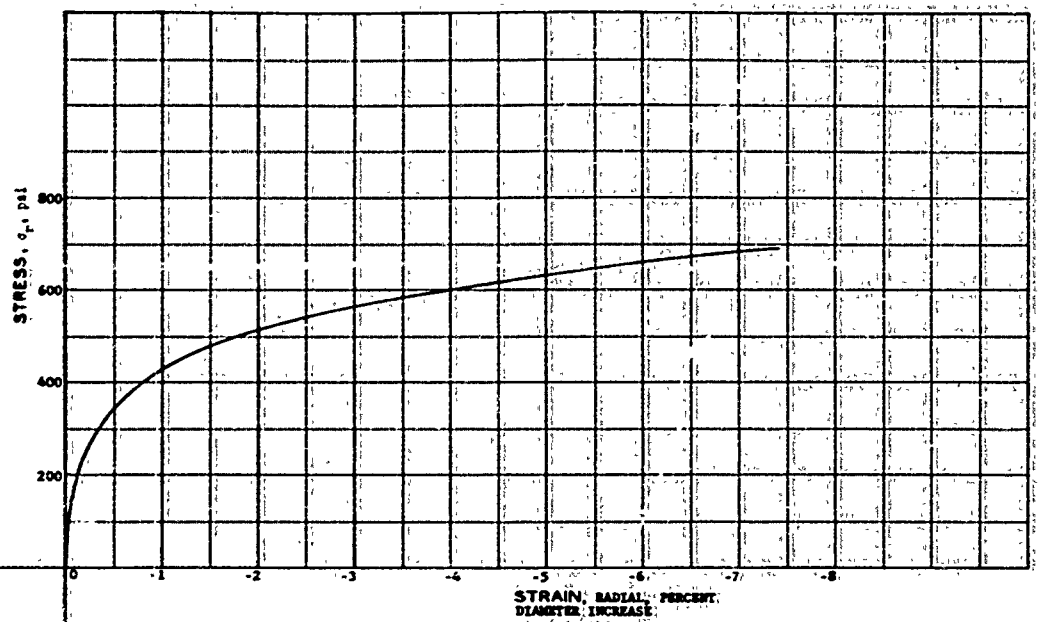
PROJECT: Georgia Institute of Technology B-602		
Contract No., DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 314	
DEPTH EL.	DATE	
LL 36	PL 17	PI 19
DESCRIPTION: Watching Hill Clay		
Constant Stress Ratio, 0.8		
Initial Pressure, 3200 psi		

WATER CONTENT	w	12.16 %
VOID RATIO	e_0	0.73
SATURATION	S_0	44.67 %
DRY DENSITY	γ_d	97.19 PCF
WET DENSITY	γ	108.98 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.62 CM



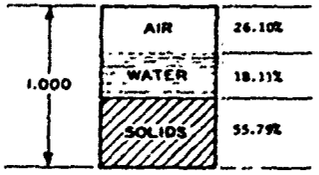
HYDROSTATIC COMPRESSION PHASE



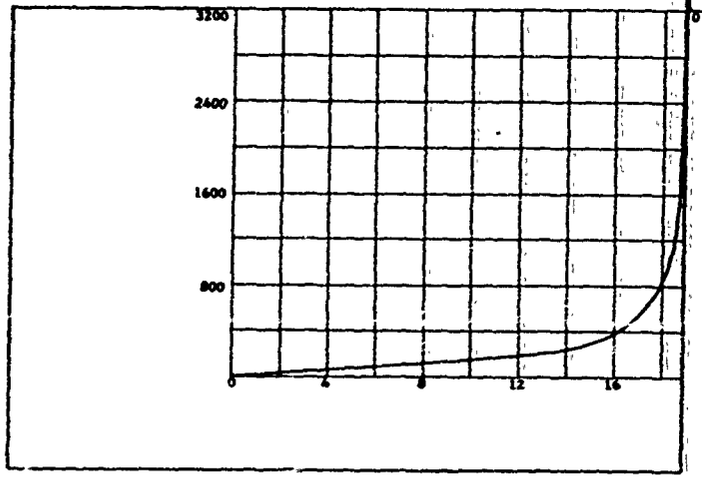


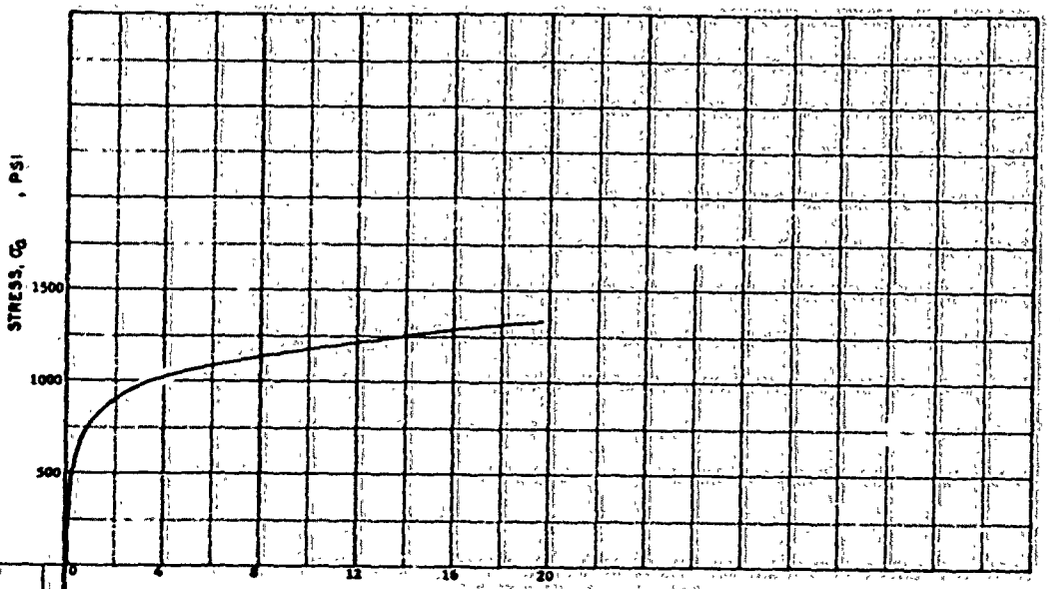
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	314
DEPTH EL.		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION	Watching Hill Clay		
	Constant Stress Ratio, 0.8		
	Initial Pressure, 3200 psi		

WATER CONTENT	w	12.02 %
VOID RATIO	e_0	0.79
SATURATION	S_0	40.97 %
DRY DENSITY	γ_d	94.00 PCF
WET DENSITY	γ	105.30 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.62 CM



HYDROSTATIC COMPRESSION PHASE

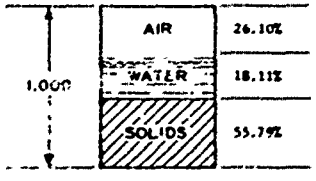




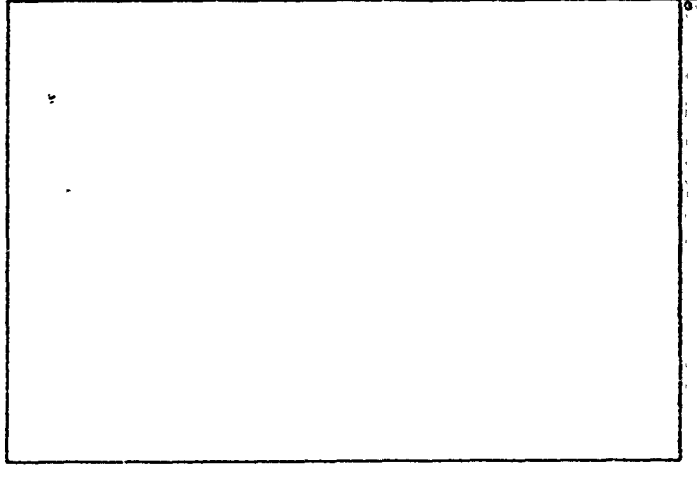
TRIAXIAL SHEAR PHASE

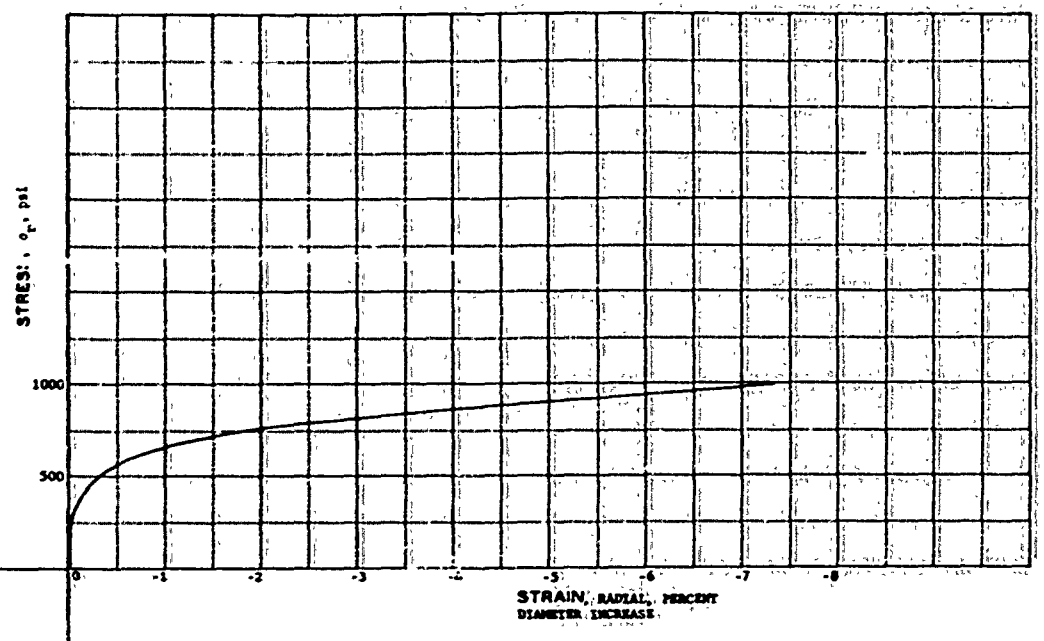
PROJECT: Georgia Institute of Technology S-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 331
DEPTH EL		DATE
LL 36	PL 17	PI 18
DESCRIPTION: Natchez Hill Clay		
Constant Stress Ratio, 0.8		
Initial Pressure, 3200 psi		

WATER CONTENT	w	12.02	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	40.97	%
DRY DENSITY	γ_d	96.00	PCF
WET DENSITY	γ	105.30	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.62	CM



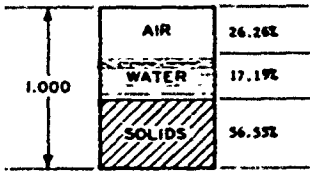
HYDROSTATIC COMPRESSION PHASE

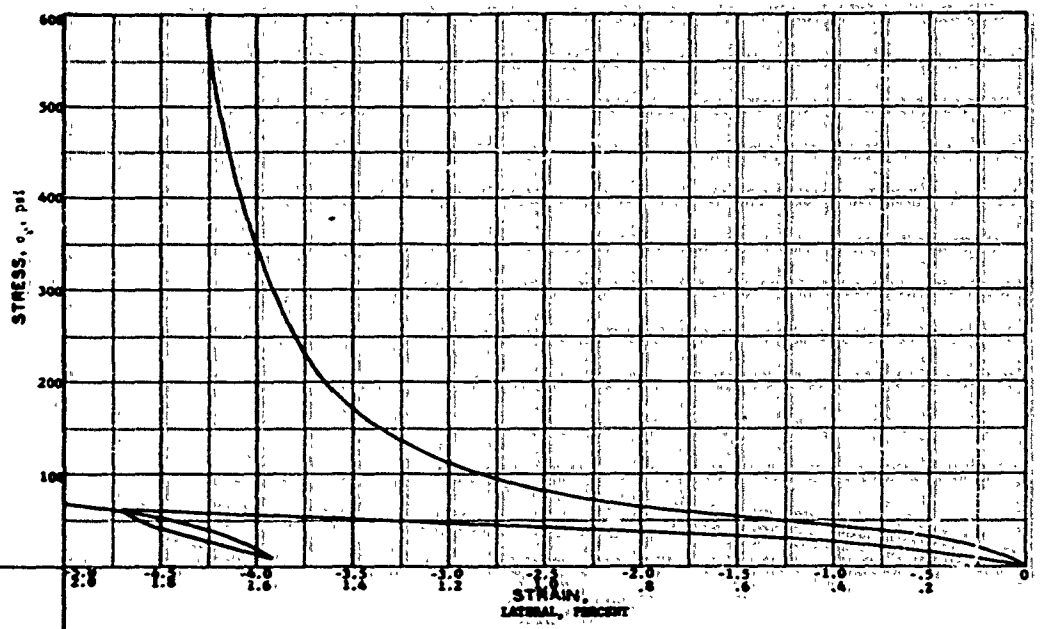




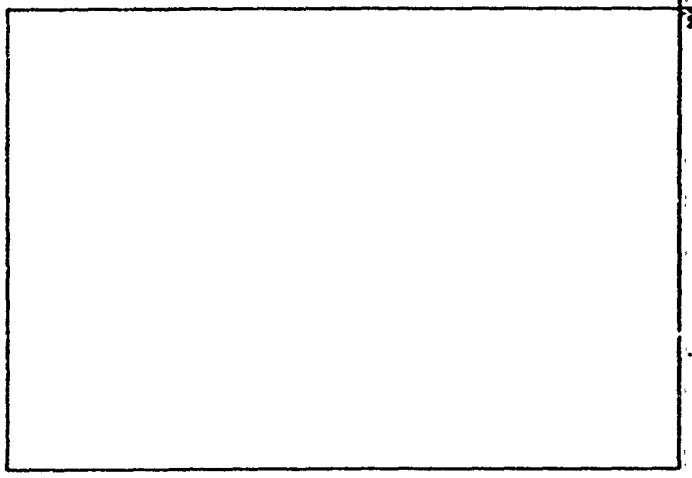
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	
DEPTH EL		DATE	
LL	36	PL 17	PI 18
DESCRIPTION	Watching Hill Clay		
	Constant Stress Ratio, 0.8		
	Initial Pressure, 3200 psi		

WATER CONTENT	w	11.26	%
VOID RATIO	e_0	0.77	
SATURATION	S_0	39.57	%
DRY DENSITY	γ_d	95.27	PCF
WET DENSITY	γ	106.00	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.59	CM



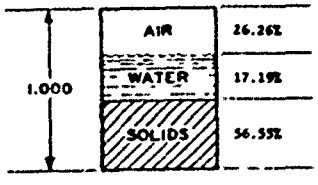


HYDROSTATIC COMPRESSION PHASE

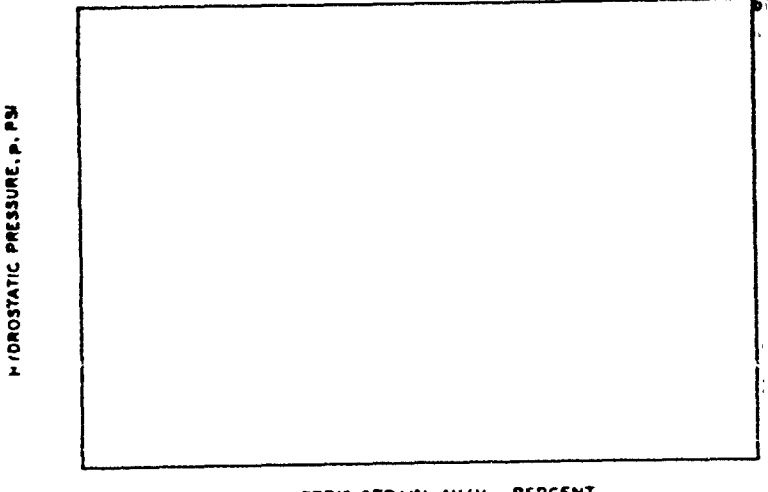


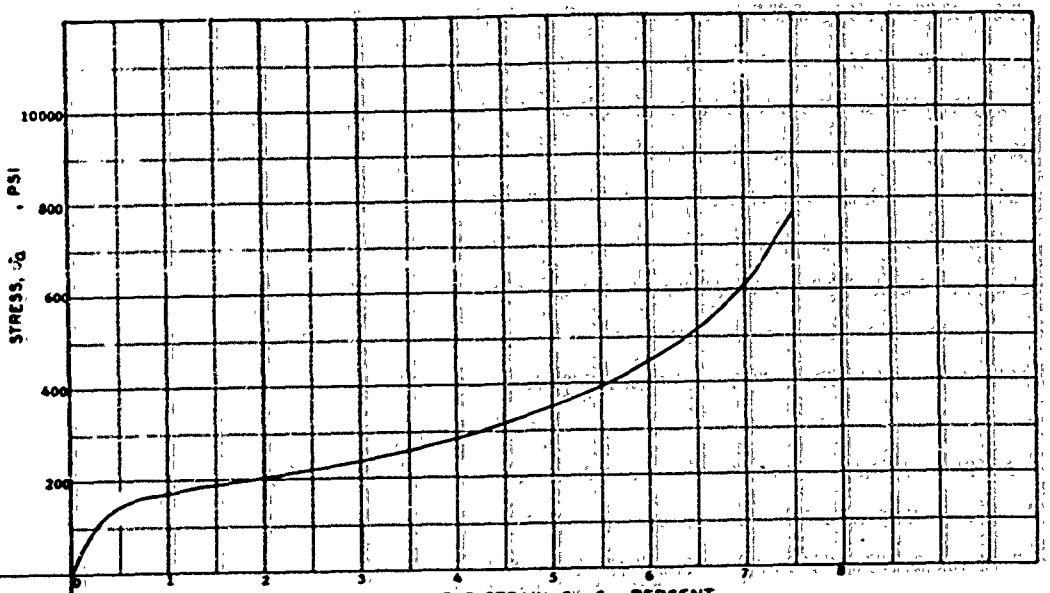
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA:		
BORING NO.		SAMPLE NO. 219
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION: Hitchiti Silt Clay		
Constant Stress Ratio, 0.9; Initial Pressure, 0 psi		
Cycle Shear @ 35%		

WATER CONTENT	w	11.26	%
VOID RATIO	e_0	0.77	
SATURATION	S_0	39.57	%
DRY DENSITY	γ_d	95.27	PCF
WET DENSITY	γ	106.00	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_c	7.49	CM



HYDROSTATIC COMPRESSION PHASE





TRIAXIAL SHEAR PHASE

PROJECT Georgia Institute of Technology B-602

Contract No. DACA39-67-C-0051

AREA

BORING NO. | SAMPLE NO. 219

DEPTH | DATE

EL

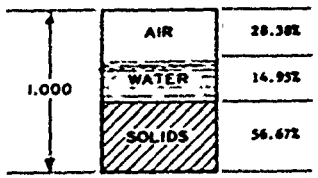
LL 36 | PL 17 | PI 19

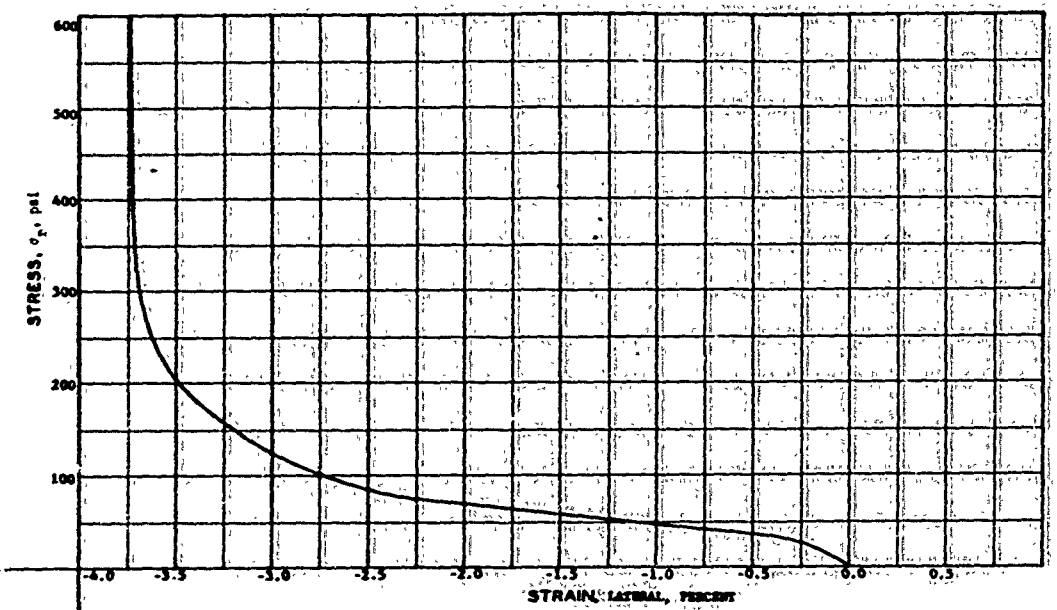
DESCRIPTION Watchung Hill Clay

Constant Stress Ratio, 0.9

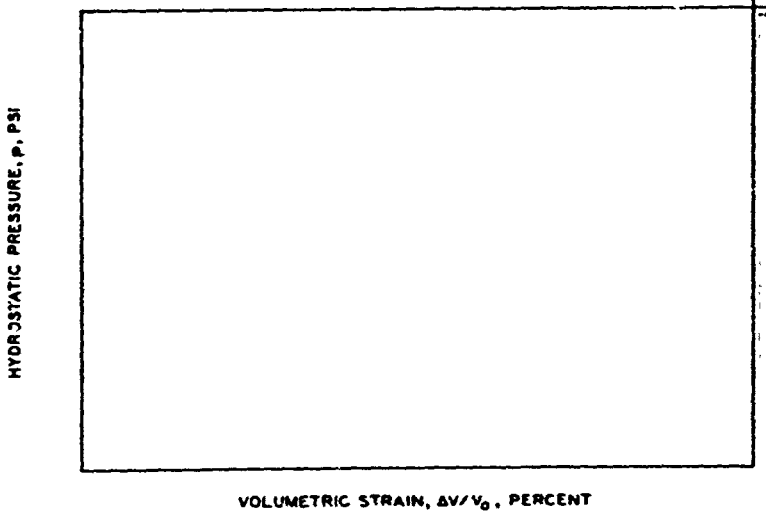
Initial Pressure, 0 psi

WATER CONTENT	w	9.77 %
VOID RATIO	e_0	0.76
SATURATION	S_0	34.49 %
DRY DENSITY	γ_d	95.47 PCF
WET DENSITY	γ	104.80 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.51 CM
SPECIMEN HEIGHT	H_0	7.62 CM



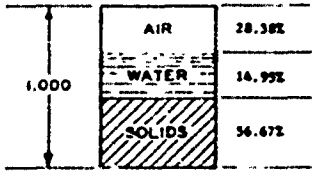


HYDROSTATIC COMPRESSION PHASE

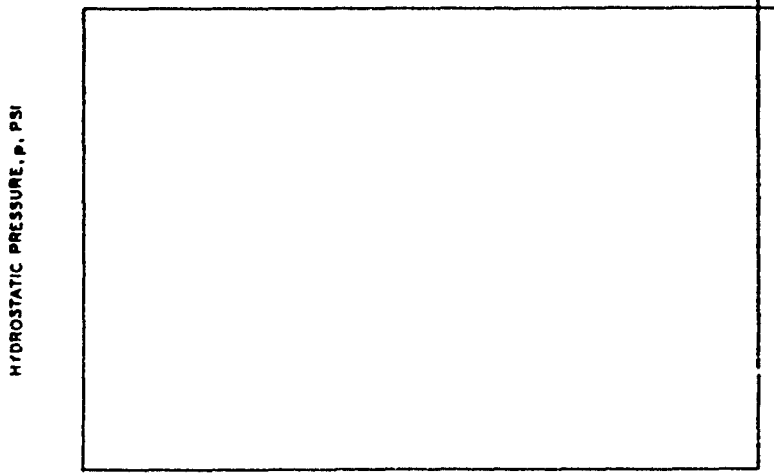


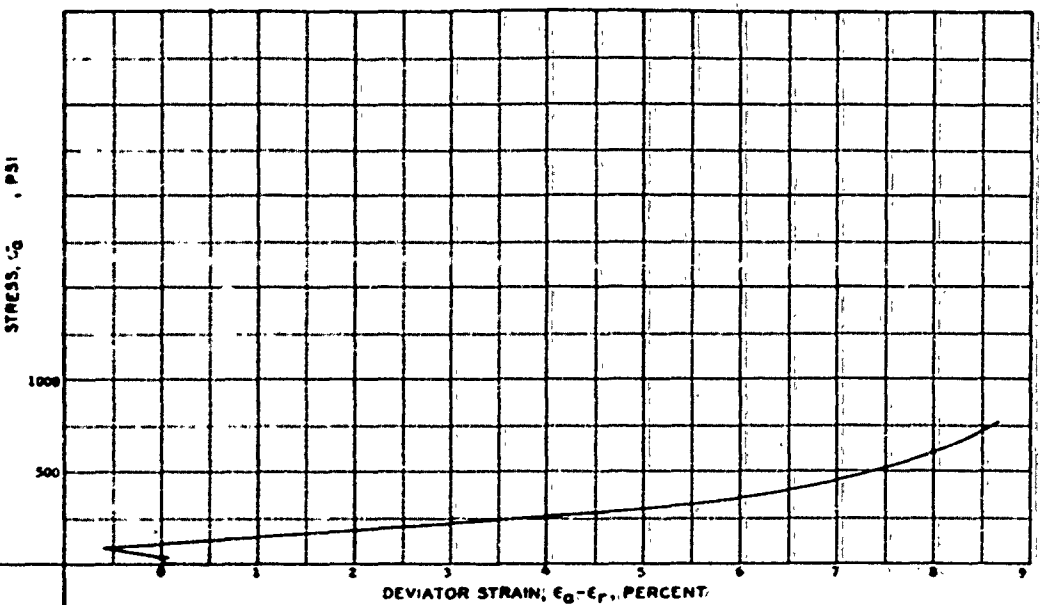
PROJECT: Georgia Institute of Technology B-402			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 221	
DEPTH EL.		DATE	
LL 36	PL 17		PI 19
DESCRIPTION: Vatchina Hill Clay			
Constant Stress Ratio, 0.9			
Initial Pressure, 0 psi			

WATER CONTENT	w	9.77 %
VOID RATIO	e_0	0.76
SATURATION	S_0	34.49 %
DRY DENSITY	γ_d	95.67 PCF
WET DENSITY	γ	104.80 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.51 CM
SPECIMEN HEIGHT	H_0	7.62 CM



HYDROSTATIC COMPRESSION PHASE





TRIAXIAL SHEAR PHASE

PROJECT Georgia Institute of Technology B-402

Contract No. DACA39-67-C-0051

AREA

BORING NO. SAMPLE NO. 221

DEPTH

EL DATE

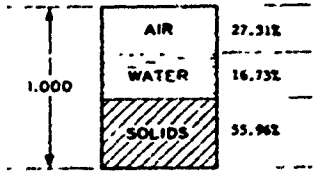
LL 36 PL 17 PI 19

DESCRIPTION Watchung Hill Clay

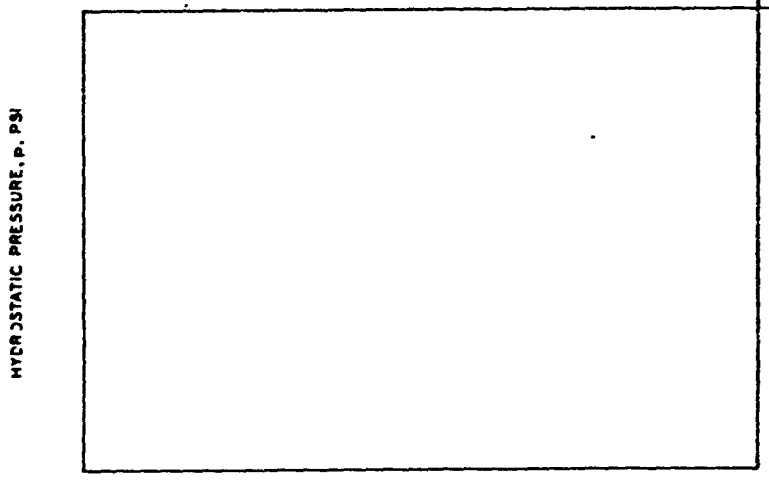
Constant Stress Ratio, 0.9

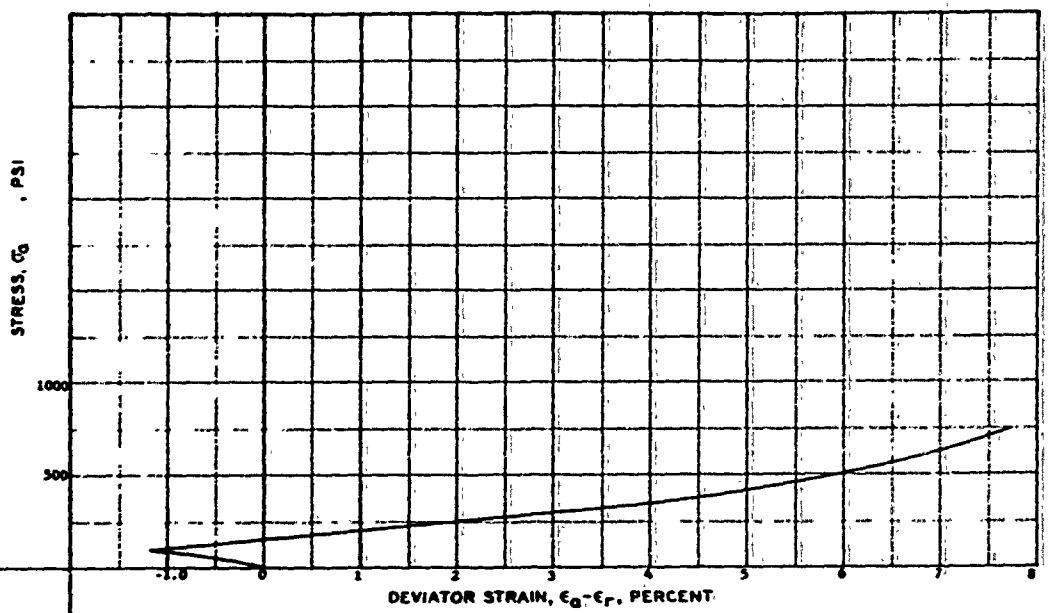
Initial Pressure, 0 psi

WATER CONTENT	w	11.07	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	37.98	%
DRY DENSITY	γ_d	96.28	PCF
WET DENSITY	γ	106.72	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.62	CM



HYDROSTATIC COMPRESSION PHASE





TRIAXIAL SHEAR PHASE

PROJECT Georgia Institute of Technology B-402

Contract No. DACA39-67-C-0051

AREA

BORING NO. SAMPLE NO. 340

DEPTH EL DATE

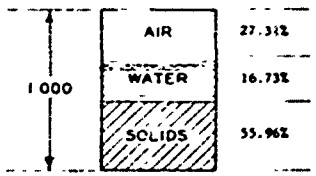
LL 36 PL 17 PI 19

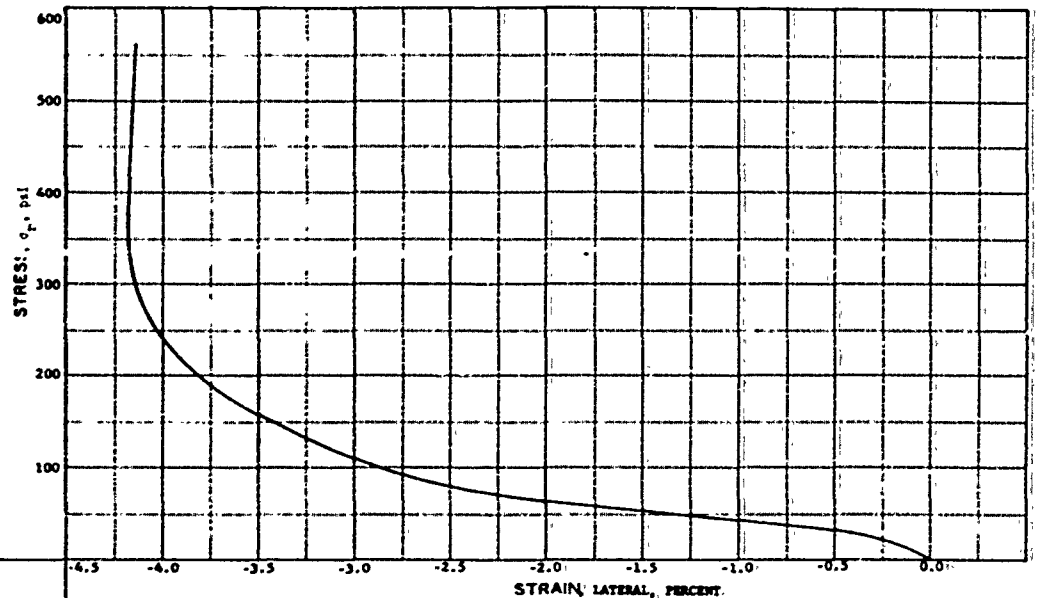
DESCRIPTION Watching Hill Clay

Constant Stress Ratio, 0.9

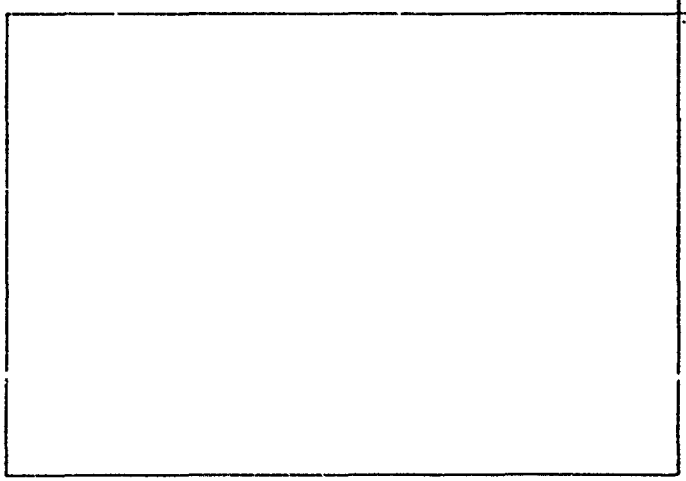
Initial Pressure, 0 psi

WATER CONTENT	w	11.07	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	37.98	%
DRY DENSITY	γ_d	94.28	PCF
WET DENSITY	γ	104.72	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.62	CM





HYDROSTATIC COMPRESSION PHASE



PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 340
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION	Watching Hill Clay	
	Constant Stress Ratio, 0.9	
	Initial Pressure, 0 psi	

Group D

No-Lateral-Strain Tests

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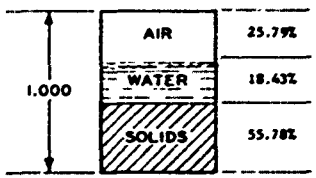
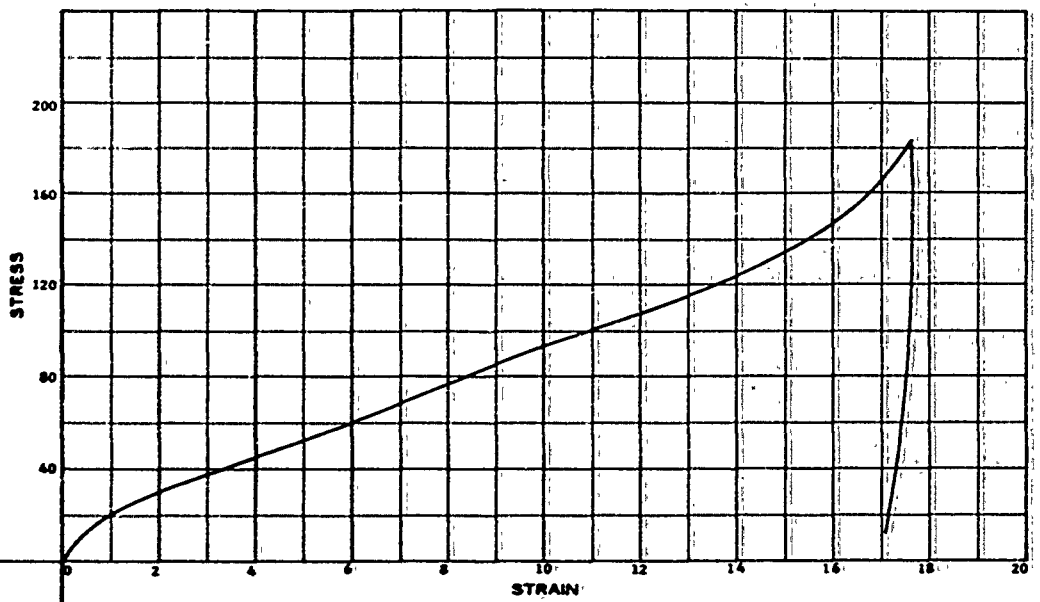
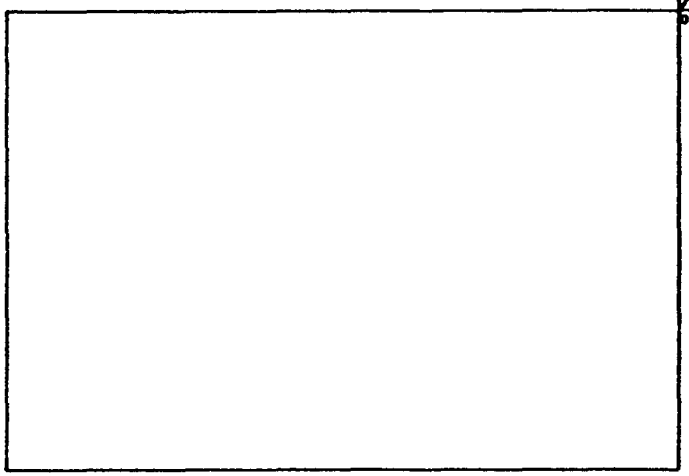
WATER CONTENT	w	12.24 %
VOID RATIO	e_0	0.79
SATURATION	S_0	41.68 %
DRY DENSITY	γ_d	93.98 PCF
WET DENSITY	γ	105.48 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.62 CM



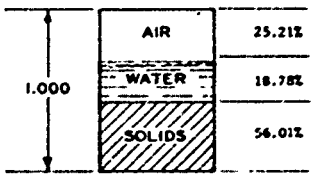


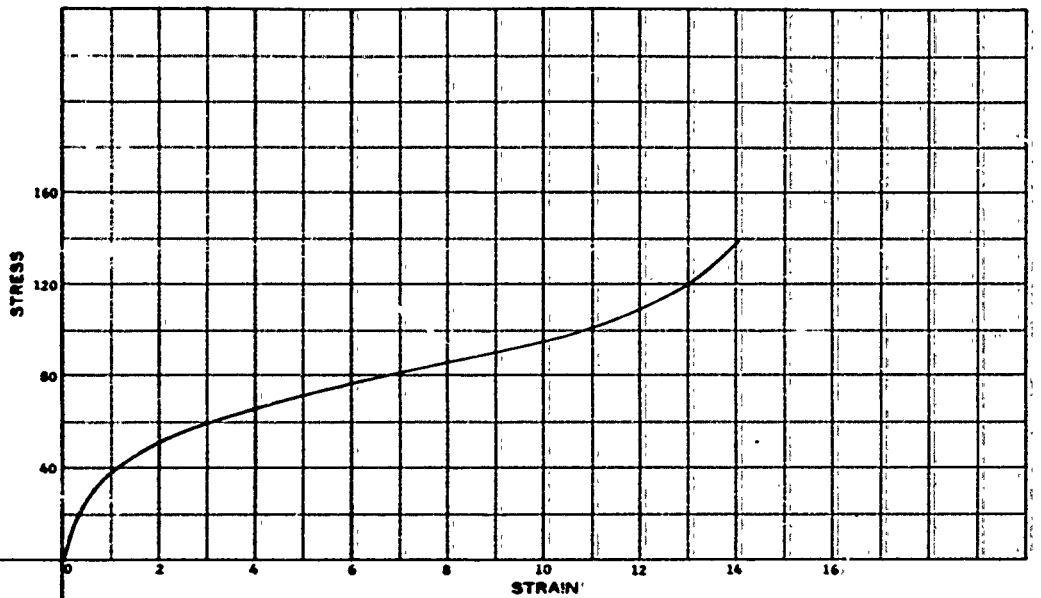
HYDROSTATIC COMPRESSION PHASE



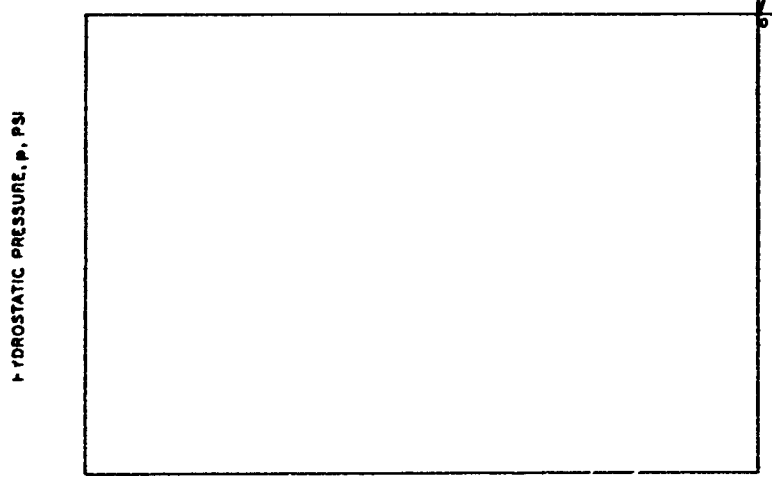
PROJECT: Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 228
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION: Watching Hill Clay		
No Lateral Strain Triaxial Test		
Initial Confining Pressure 0 psi		

WATER CONTENT	w	12.42 %
VOID RATIO	e_0	0.79
SATURATION	S_0	42.69 %
DRY DENSITY	γ_d	94.36 PCF
WET DENSITY	γ	106.08 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.47 CM
SPECIMEN HEIGHT	H_0	7.64 CM



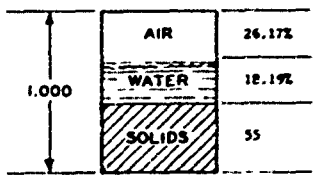


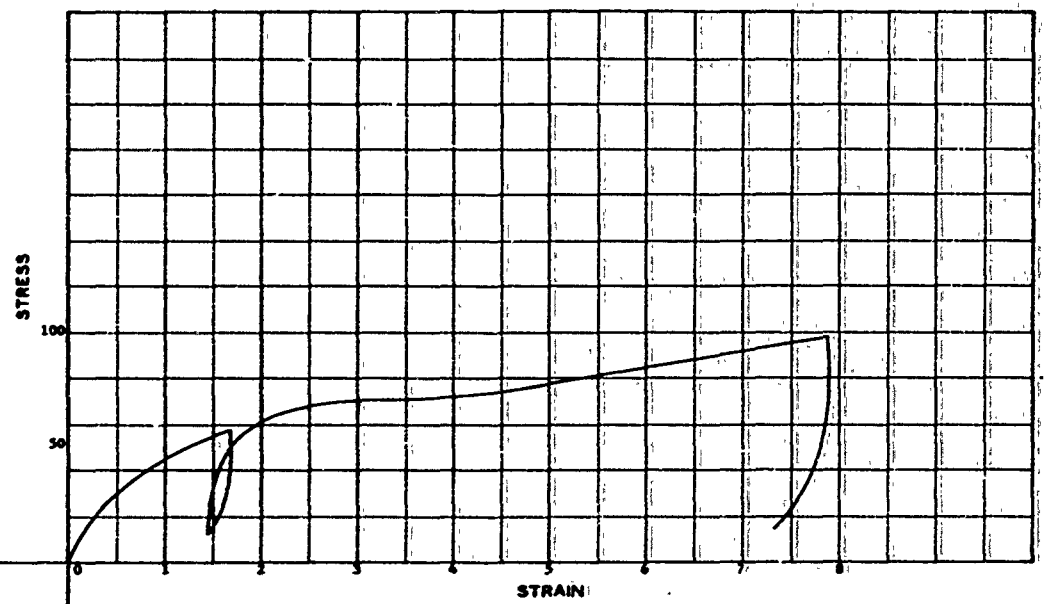
HYDROSTATIC COMPRESSION PHASE



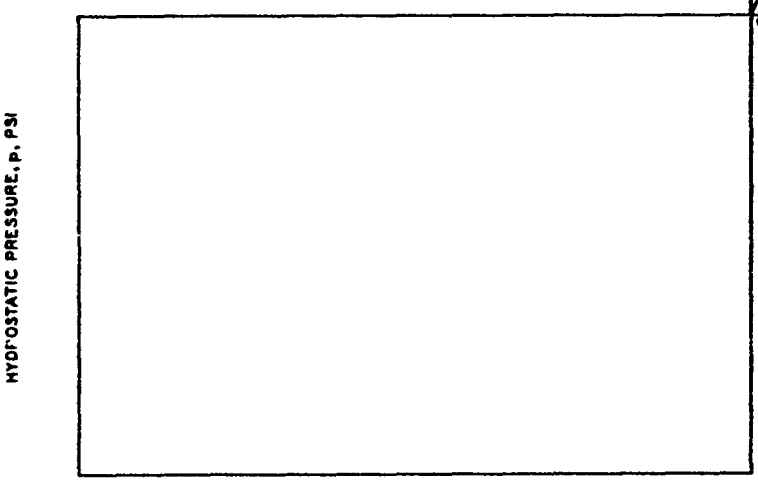
PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	235
DEPTH EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Matching Hill Clay		
	No Lateral Strain Triaxial Test		
	Initial Confining Pressure, 0 psi		

WATER CONTENT	W	12.11	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.00	%
DRY DENSITY	γ_d	93.75	PCF
WET DENSITY	γ	105.09	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.48	CM
SPECIMEN HEIGHT	H_0	7.66	CM



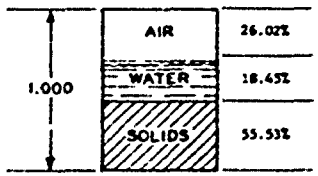


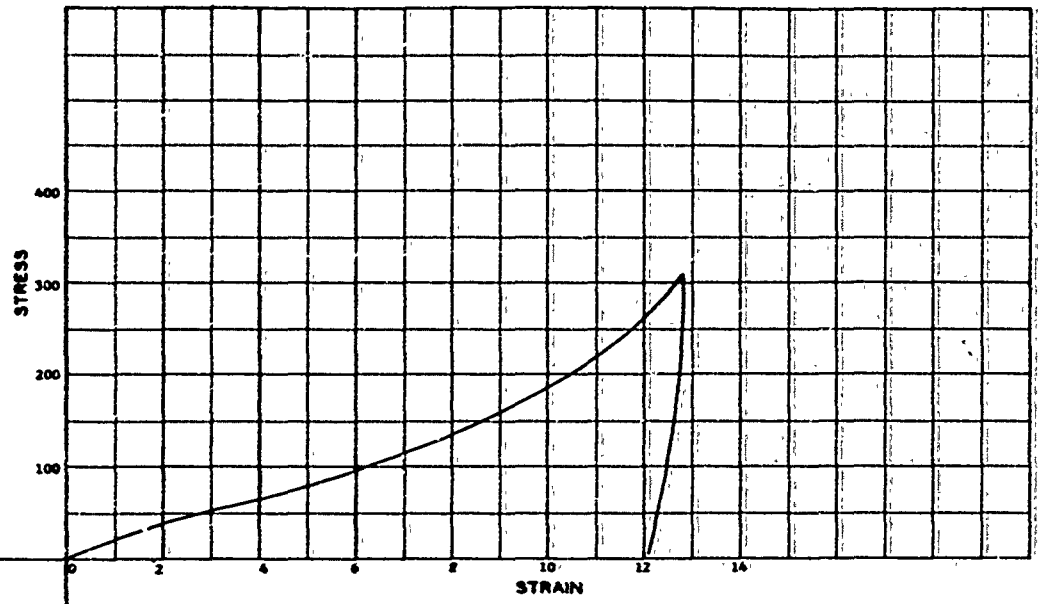
HYDROSTATIC COMPRESSION PHASE



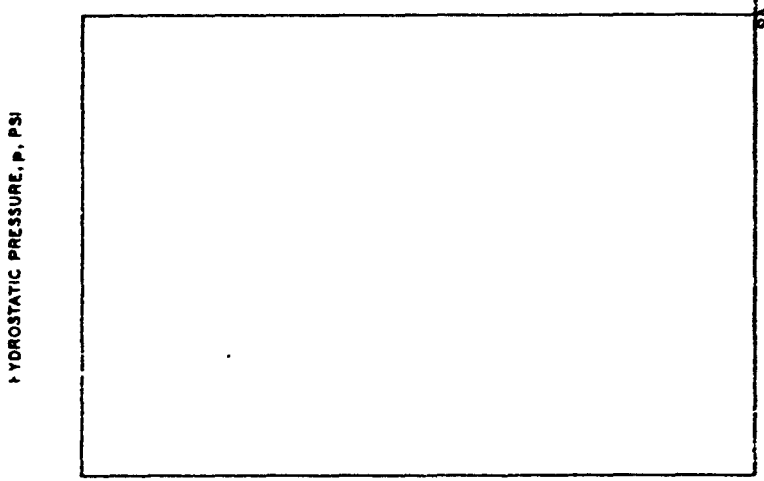
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 241	
DEPTH EL	DATE	
LL 36	PL 17	PI 19
DESCRIPTION Hatching Hill Clay		
No Lateral Strain Triaxial Test, Initial Confining Pressure 0 psi		
Cycle Shear		

WATER CONTENT	w	12.30 %
VOID RATIO	e_o	0.80
SATURATION	S_o	41.49 %
DRY DENSITY	γ_d	93.56 PCF
WET DENSITY	γ	105.07 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_o	3.48 CM
SPECIMEN HEIGHT	H_o	7.62 CM



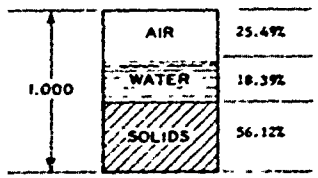


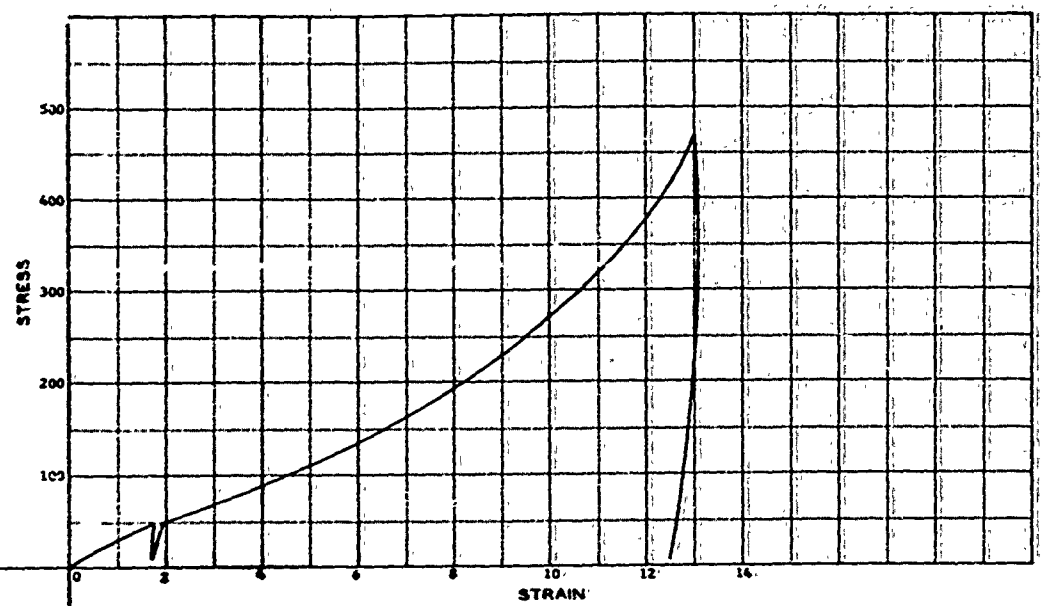
HYDROSTATIC COMPRESSION PHASE



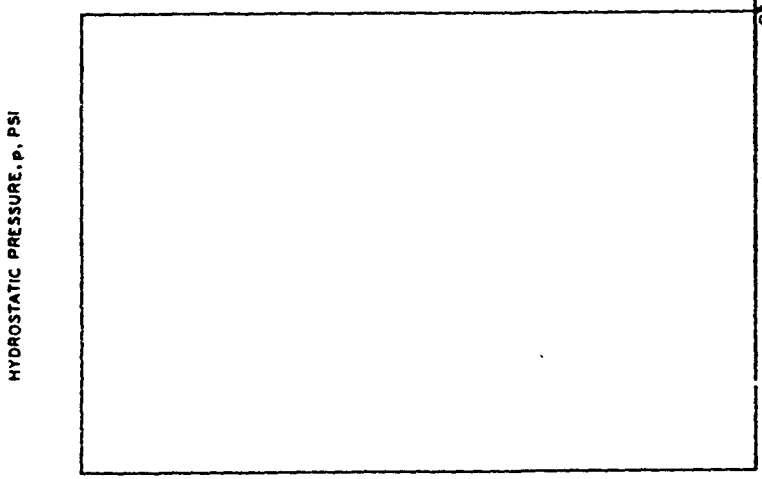
PROJECT: Georgia Institute of Technology B-602			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO.: 224	
DEPTH EL		DATE	
LL 36	PL 17		PI 19
DESCRIPTION: Watching Hill Clay			
No Lateral Strain Triaxial Test			
Initial Confining Pressure, 100 psi			

WATER CONTENT	w	12.13	%
VOID RATIO	e_0	0.78	
SATURATION	S_0	41.90	%
DRY DENSITY	γ_d	94.55	PCF
WET DENSITY	γ	106.02	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.55	CM



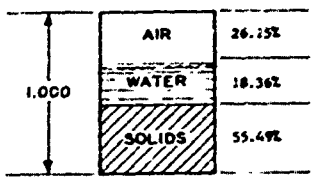


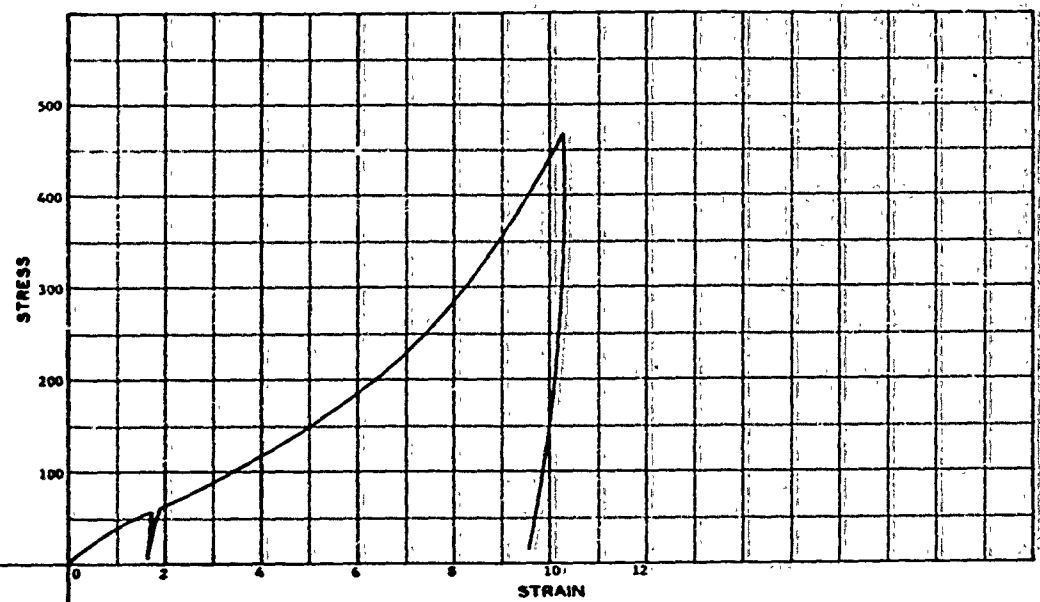
HYDROSTATIC COMPRESSION PHASE



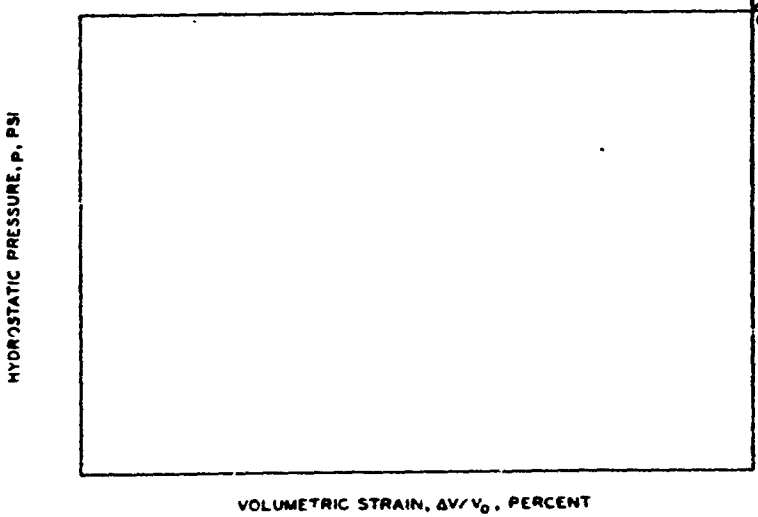
PROJECT: Georgia Institute of Technology B-602			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 243	
DEPTH EL		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION: Watching Hill Clay			
No Lateral Strain Triaxial Test, Initial Confining Pressure 100 psi.			
Cycle Shear			

WATER CONTENT	w	12.26	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.26	%
DRY DENSITY	γ_d	93.49	PCF
WET DENSITY	γ	105.95	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.66	CM



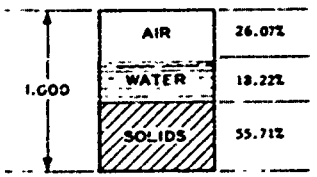


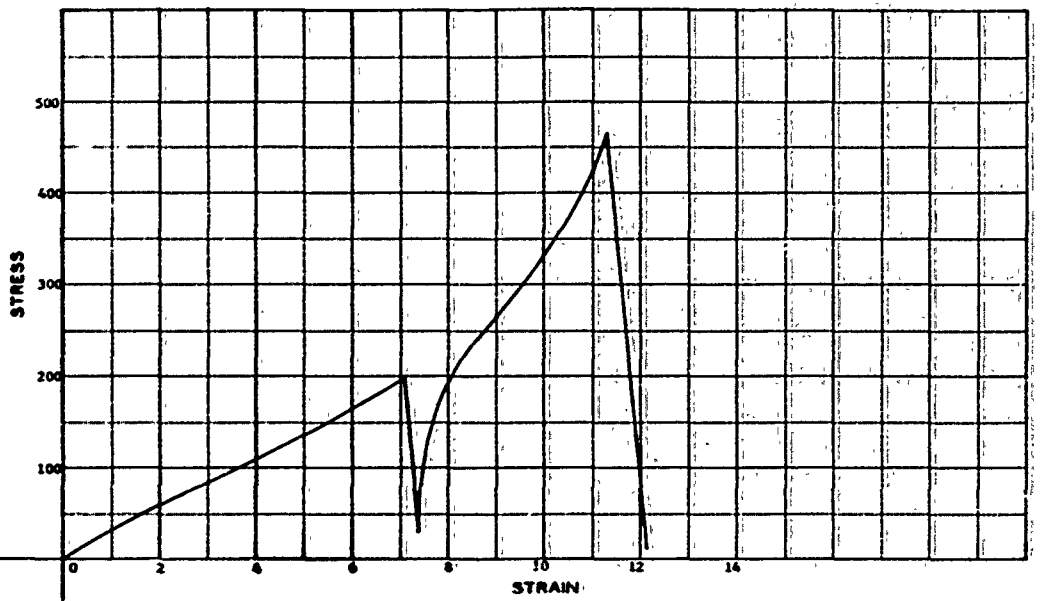
HYDROSTATIC COMPRESSION PHASE



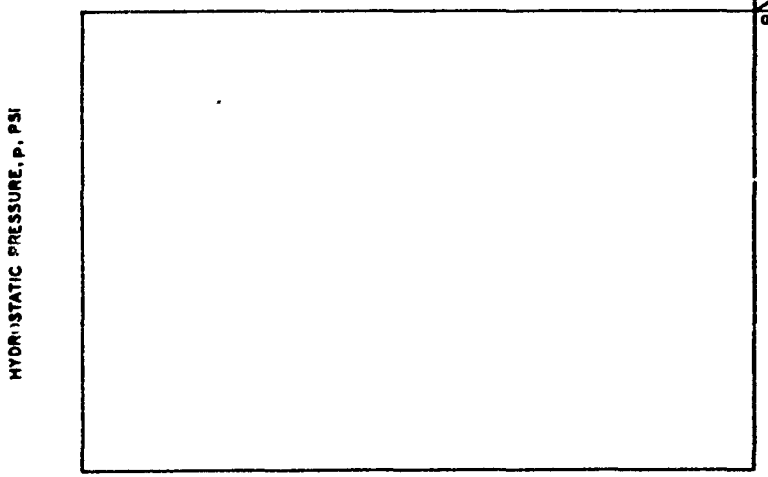
PROJECT: Georgia Institute of Technology B-602			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO.: 232	
DEPTH EL		DATE	
LL 36	PL 17		PI 19
DESCRIPTION: Hatching Mill Clay			
No Lateral Strain Triaxial Test, Initial Confining Pressure 100 psi			
Cycle Shear			

WATER CONTENT	W	12.11 %
VOID RATIO	e_0	0.80
SATURATION	S_0	41.13 %
DRY DENSITY	γ_d	93.85 PCF
WET DENSITY	γ	105.22 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.62 CM



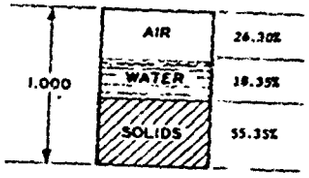


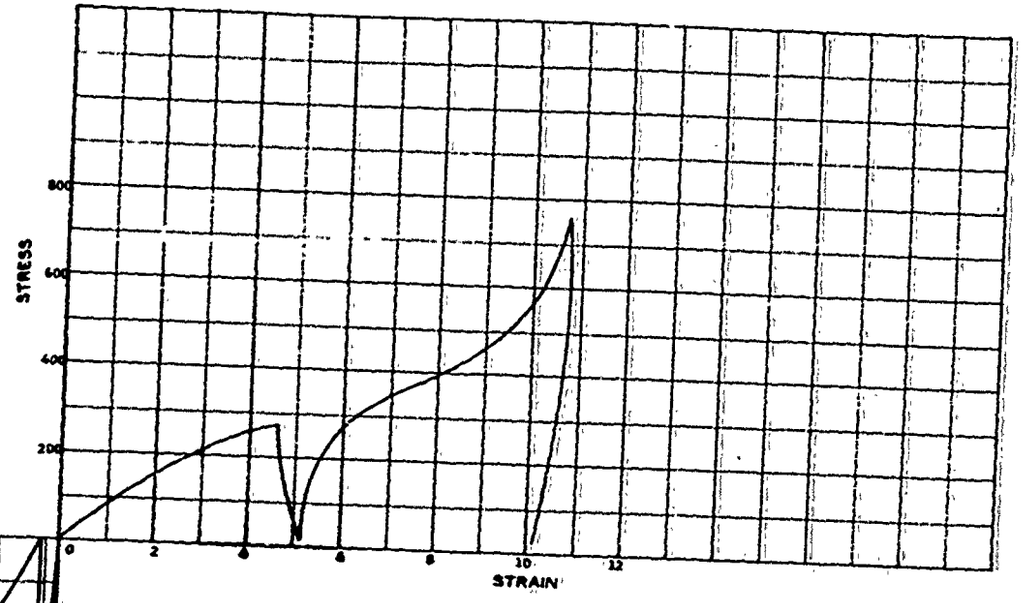
HYDROSTATIC COMPRESSION PHASE



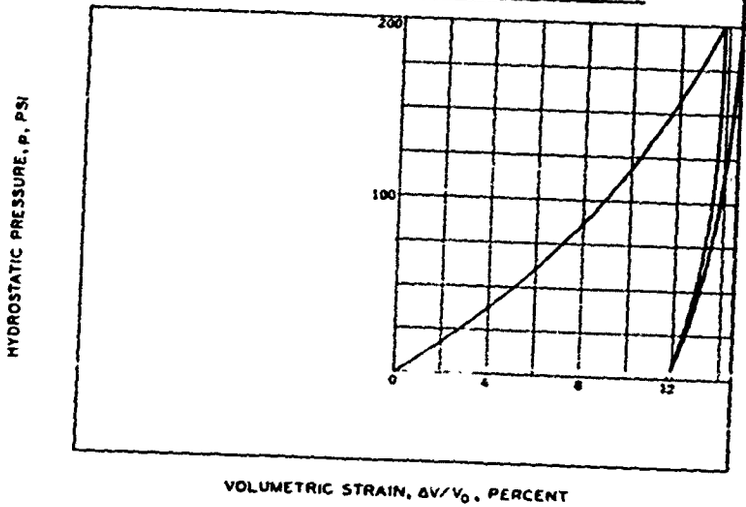
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 245
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION Matching Hill Clay		
No Lateral Strain Triax. Test, Initial Confining Pressure 100 psi		
Cycle Shear		

WATER CONTENT	w	12.28	%
VOID RATIO	e_0	0.81	
SATURATION	S_0	41.11	%
DRY DENSITY	γ_d	93.25	PCF
WET DENSITY	γ	104.71	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.62	CM



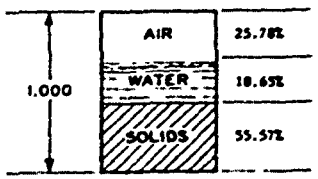


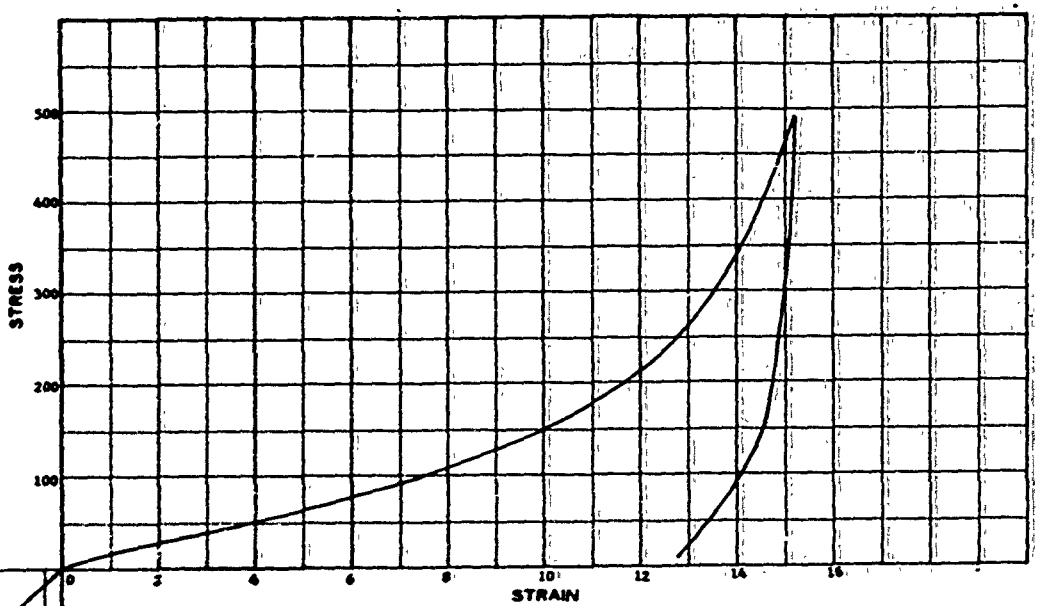
HYDROSTATIC COMPRESSION PHASE



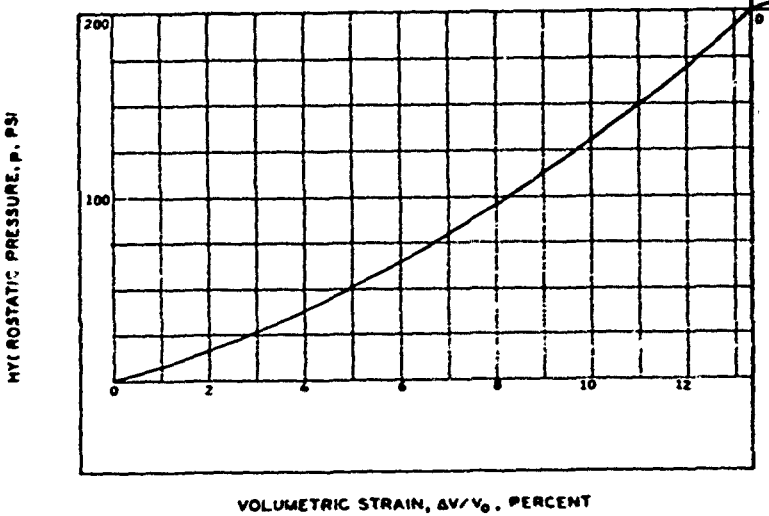
PROJECT	Georgia Institute of Technology B-602	
	Contract No. DACA39-67-C-0051	
AREA		
BORING NO.		SAMPLE NO. 229
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION Hutchins Hill Clay		
No Lateral Strain Triaxial Test, Initial Confining Pressure 200 psi		
Cycle Shear, Cycle Compression		

WATER CONTENT	w	12.43	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.98	%
DRY DENSITY	γ_d	93.63	PCF
WET DENSITY	γ	105.27	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.66	CM



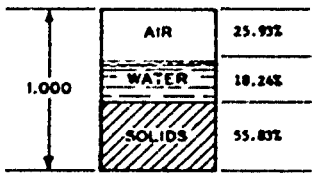


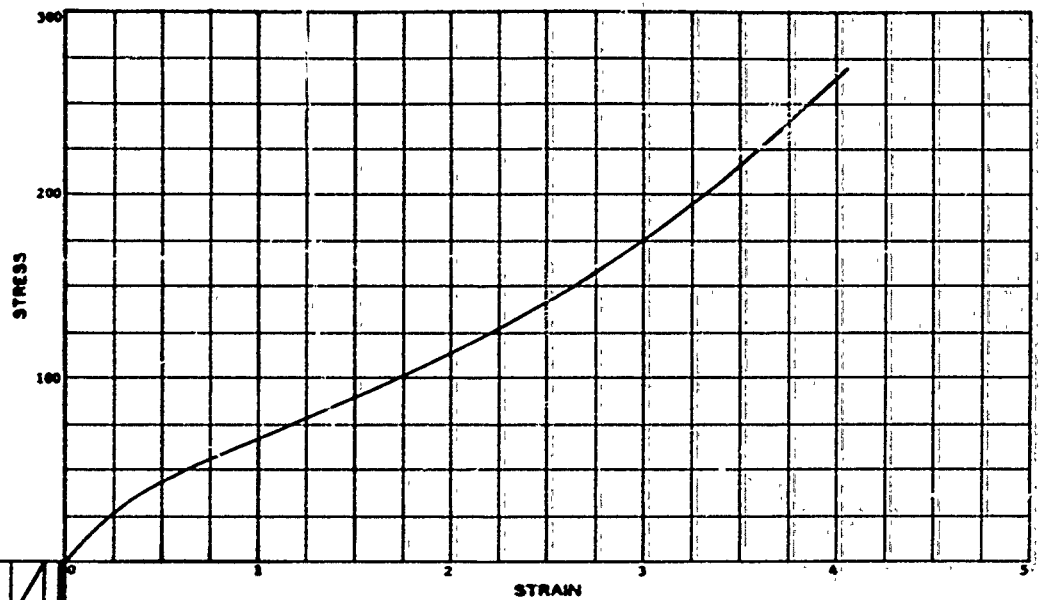
HYDROSTATIC COMPRESSION PHASE



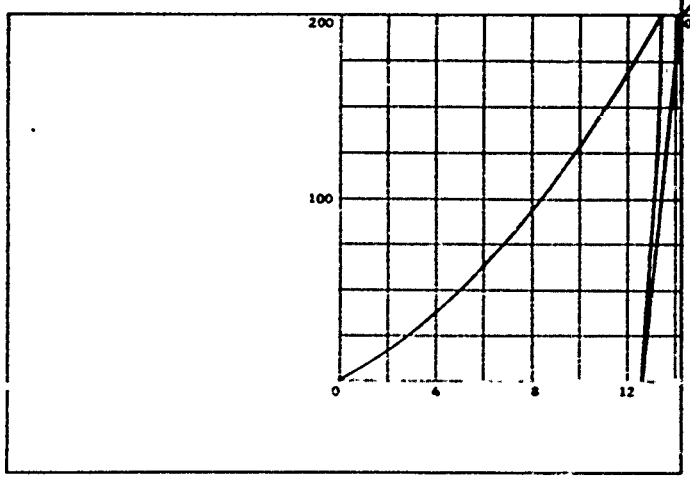
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 236
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION Vaughn Hill Clay		
No Lateral Strain Triaxial Test		
Initial Confining Pressure, 200 psi		

WATER CONTENT	w	12.10	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	41.29	%
DRY DENSITY	γ_d	94.07	PCF
WET DENSITY	γ	105.45	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.59	CM



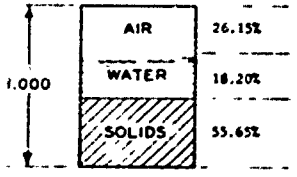


HYDROSTATIC COMPRESSION PHASE

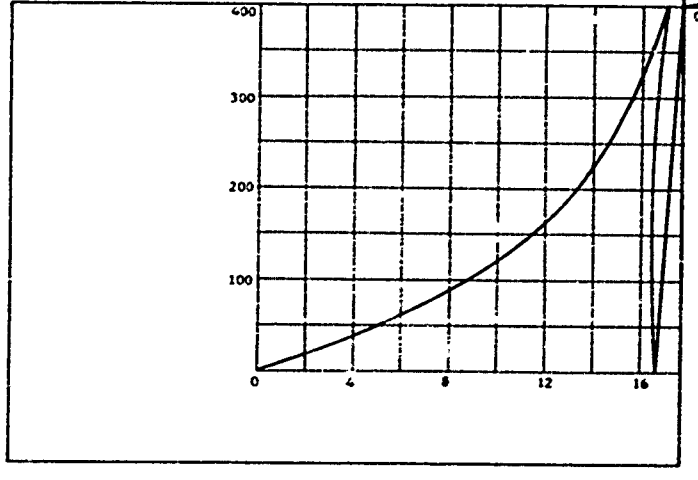


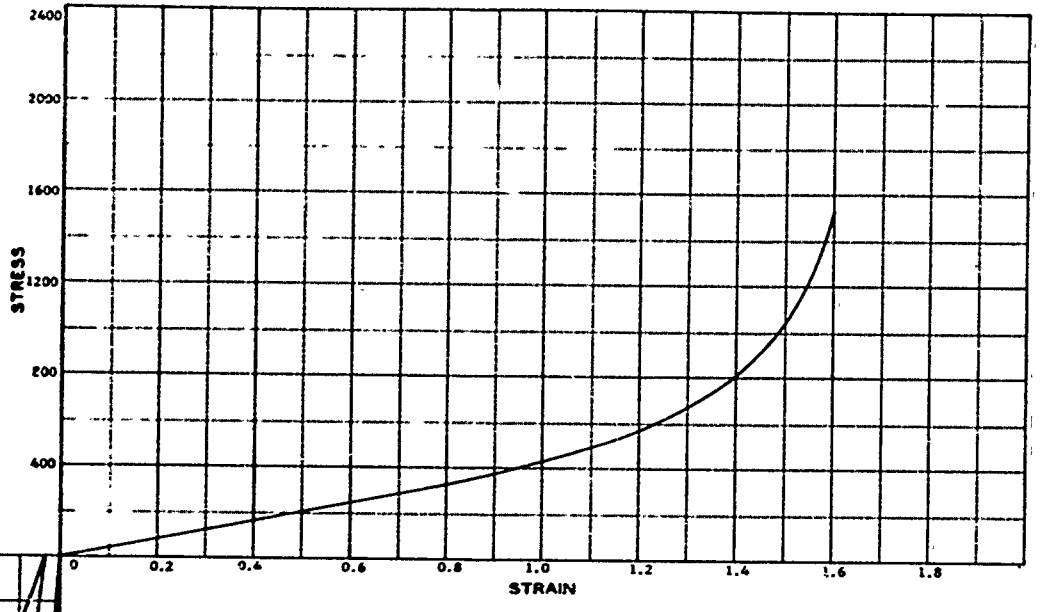
PROJECT	Georgia Institute of Technology R-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	267
DEPTH EL.		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION	Watching Hill Clay		
	No Lateral Strain Triaxial Test		
	Initial Confining Pressure, 200 psi. Cycle Compression,		

WATER CONTENT	w	12.11	%
VOID RATIO	e_0	0 80	
SATURATION	S_0	41.04	%
DRY DENSITY	γ_d	93.76	PCF
WET DENSITY	γ	105.12	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.61	CM



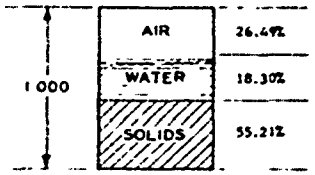
HYDROSTATIC COMPRESSION PHASE

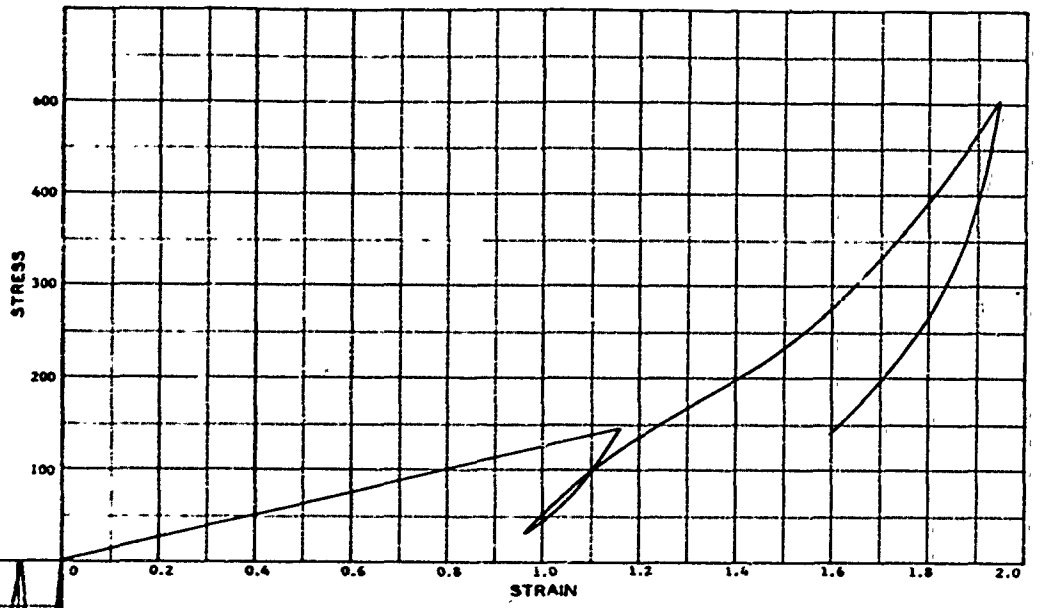




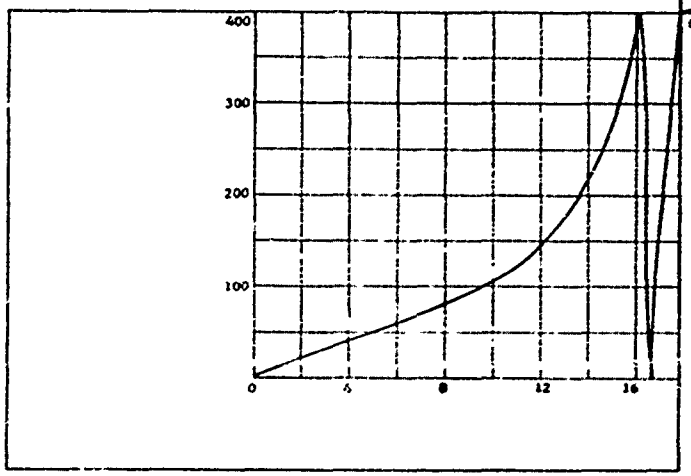
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 246
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION Watching Hill Clay - No Lateral Strain Test -		
Initial Confining Pressure 400 psi.		
Cycle Compression		

WATER CONTENT	w	12.28 %
VOID RATIO	e_0	0.61
SATURATION	S_0	40.86 %
DRY DENSITY	γ_d	93.02 PCF
WET DENSITY	γ	104.44 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.50 CM
SPECIMEN HEIGHT	H_0	7.03 CM



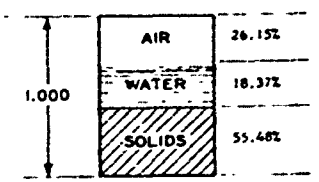


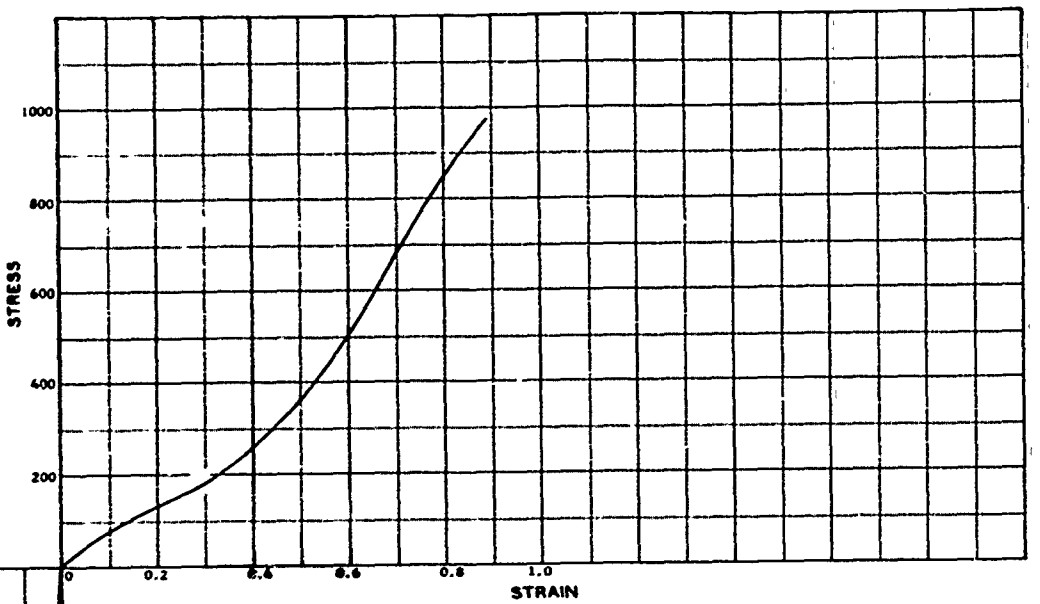
HYDROSTATIC COMPRESSION PHASE



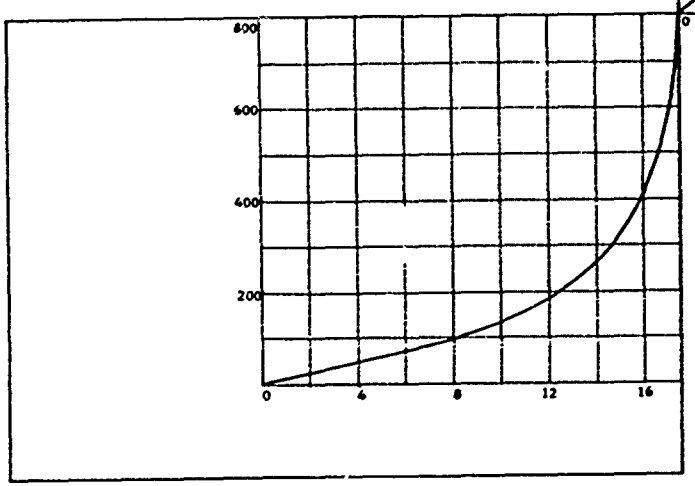
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 281
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION Watching Hill Clay		
No Lateral Strain Triaxial Test, Initial Confining Pressure 400 psi		
Cycle Shear, Cycle Compression		

WATER CONTENT	W	2.27	%
VOID RATIO	e_0	0 80	
SATURATION	S_0	41 27	%
DRY DENSITY	γ_d	93 47	PCF
WET DENSITY	γ	104.94	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.66	CM



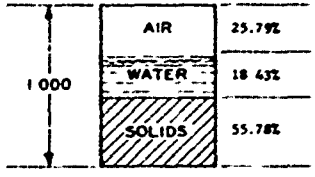


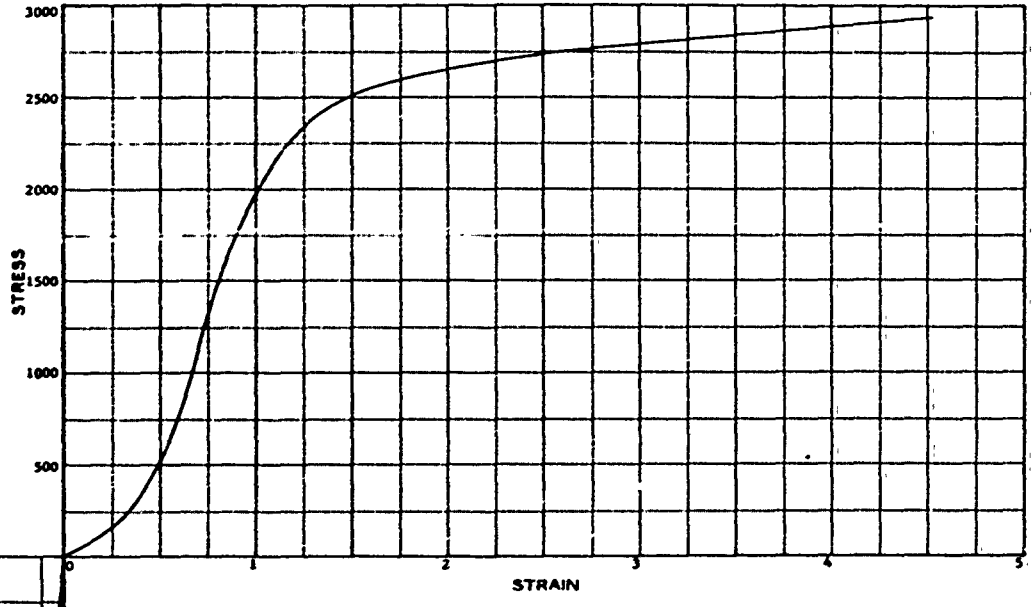
HYDROSTATIC COMPRESSION PHASE



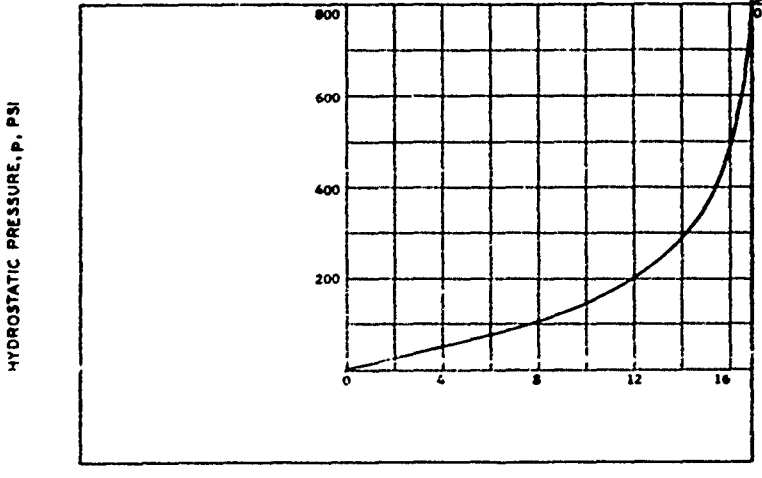
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 223
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION Watching Mill Clay		
No Lateral Strain Triaxial Test		
Initial Confining Pressure, 800 psi		

WATER CONTENT	w	12.24	%
VOID RATIO	e_o	0.79	
SATURATION	S_o	41.68	%
DRY DENSITY	γ_d	93.98	PCF
WET DENSITY	γ	105.48	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_o	3.48	CM
SPECIMEN HEIGHT	H_c	7.64	CM



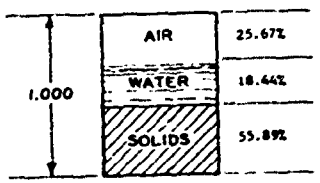


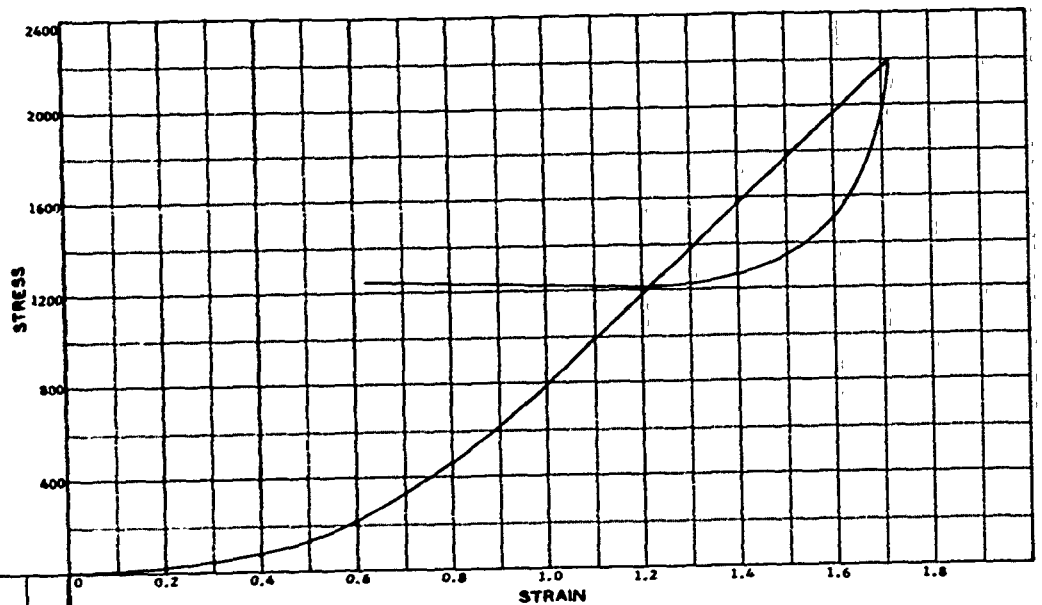
HYDROSTATIC COMPRESSION PHASE



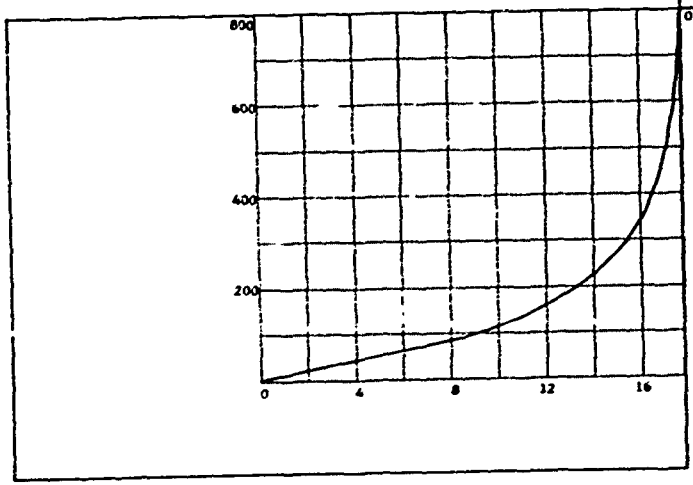
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 225
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION Watching Hill Clay		
No Lateral Strain Triaxial Test		
Initial Confining Pressure, 800 psi		

WATER CONTENT	w	12.22	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	41.80	%
DRY DENSITY	γ_d	94.17	PCF
WET DENSITY	γ	105.67	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.63	CM





HYDROSTATIC COMPRESSION PHASE



PROJECT Georgia Institute of Technology B-602

Contract No. DACA39-67-C-0051

AREA

BORING NO. SAMPLE NO. 226

DEPTH EL. DATE

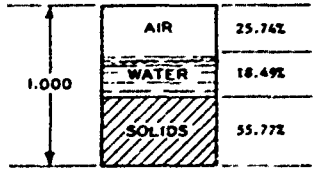
LL 36 PL 17 PI 19

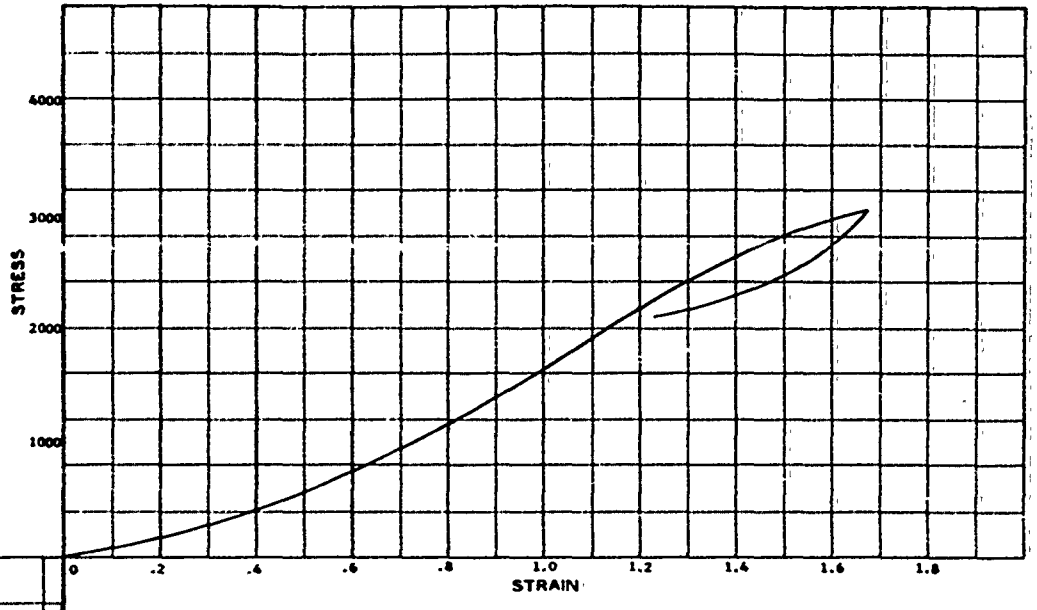
DESCRIPTION Watching Hill Clay

No Lateral Strain Triaxial Test

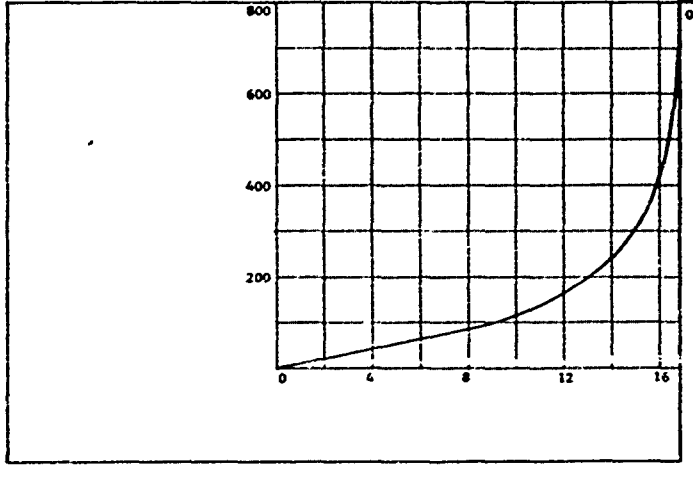
Initial Confining Pressure, 800 psi

WATER CONTENT	w	12.28	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	41.80	%
DRY DENSITY	γ_d	93.97	PCF
WET DENSITY	γ	105.50	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.58	CM



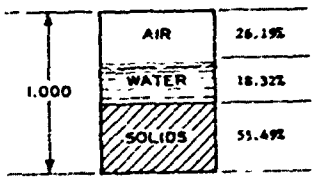


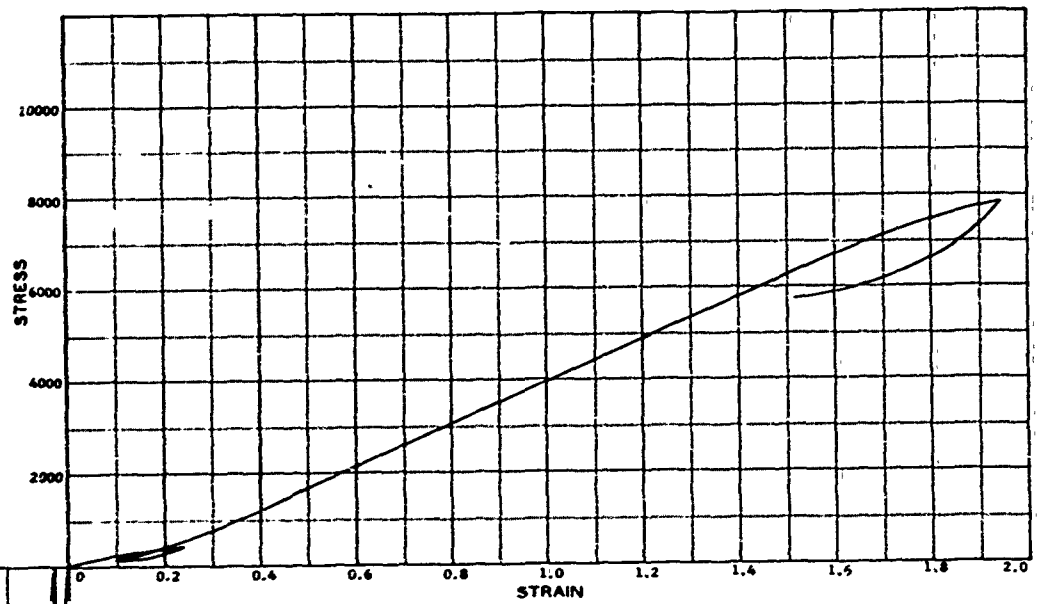
HYDROSTATIC COMPRESSION PHASE



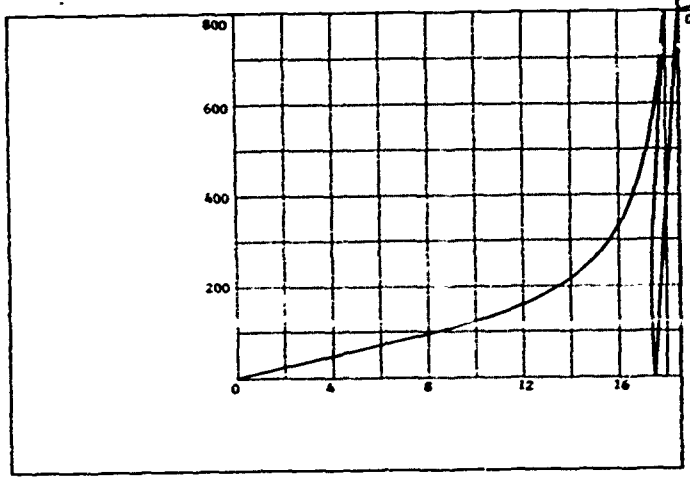
PROJECT Georgia Institute of Technology E-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO 227
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION Watching Hill Clay		
No Lateral Strain Triaxial Test		
Initial Confining Pressure, 800 psi		

WATER CONTENT	w	12.23 %
VOID RATIO	e_0	0.80
SATURATION	S_0	41.15 %
DRY DENSITY	γ_d	93.49 PCF
WET DENSITY	γ	104.92 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_0	3.49 CM
SPECIMEN HEIGHT	H_0	7.63 CM



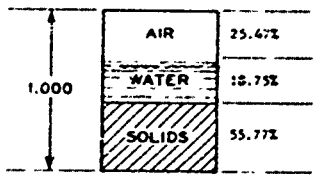


HYDROSTATIC COMPRESSION PHASE

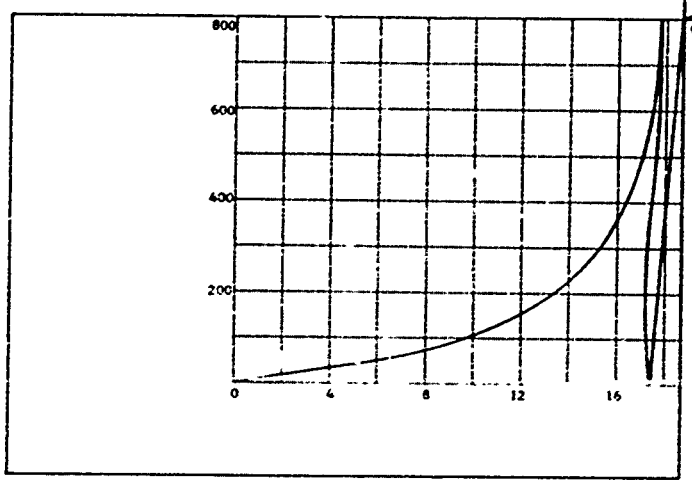


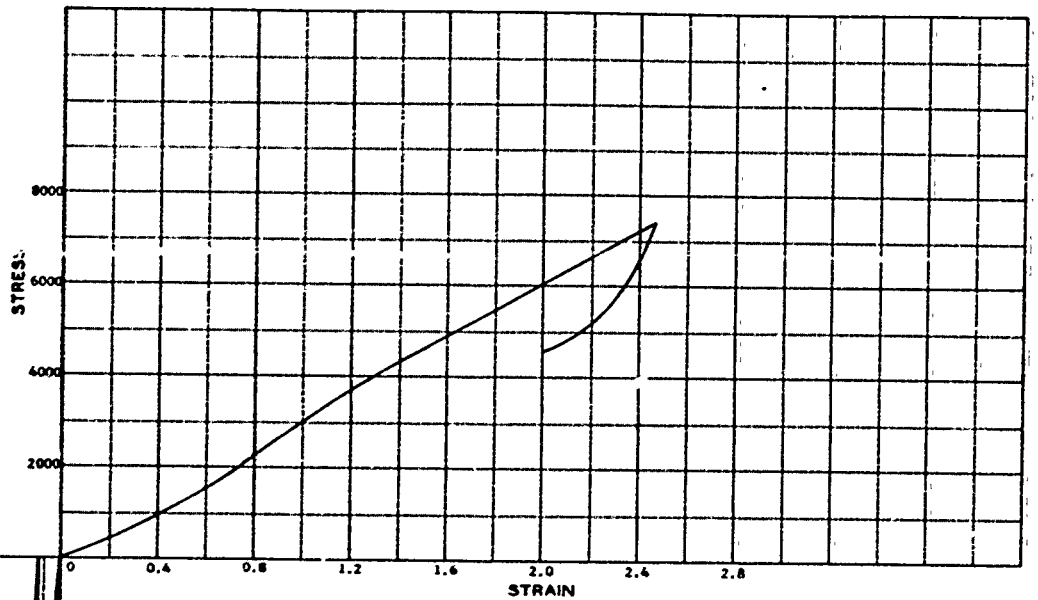
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.		SAMPLE NO. 259
DEPTH EL		DATE
LL 36	PL 17	PI 19
DESCRIPTION Watching Hill Clay		
No Lateral Strain Triaxial Test, Initial Confining Pressure 800 psi		
Cycle Shear, Cycle Compression		

WATER CONTENT	w	12.65	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	42.40	%
DRY DENSITY	γ_d	93.9%	PCF
WET DENSITY	γ	105.67	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.49	CM
SPECIMEN HEIGHT	H_0	7.60	CM



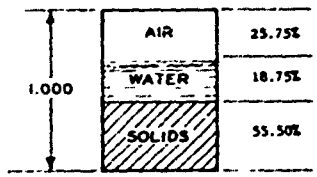
HYDROSTATIC COMPRESSION PHASE

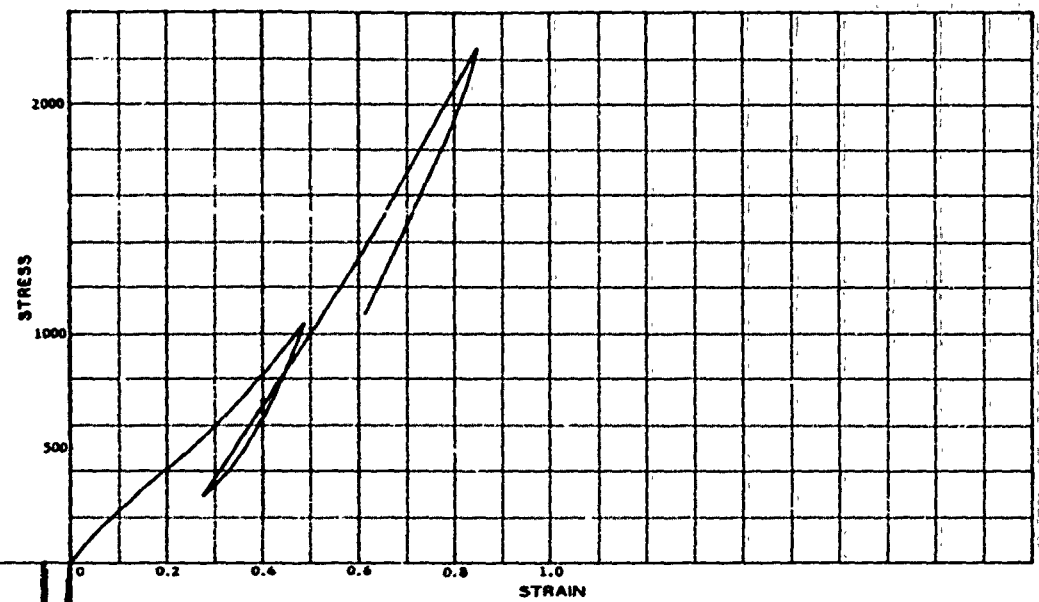




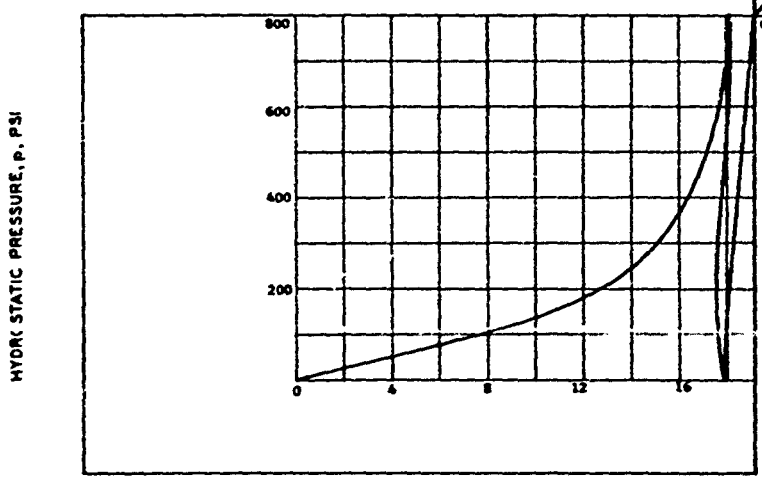
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 270	
DEPTH / EL	DATE	
LL 36	PL 17	PI 19
DESCRIPTION Hitching Hill Clay - No Lateral Strain Triaxial Test -		
Initial Confining Pressure, 800 psi		
Cycle Compression		

WATER CONTENT	W	12.51 %
VOID RATIO	e_o	0.80
SATURATION	S_o	42.13 %
DRY DENSITY	γ_d	93.51 PCF
WET DENSITY	γ	105.21 PCF
SPECIFIC GRAVITY	G_s	2.70
SPECIMEN DIAMETER	D_o	3.49 CM
SPECIMEN HEIGHT	H_o	7.62 CM



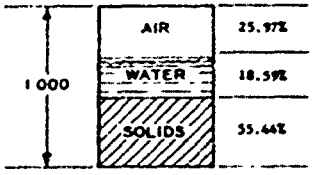


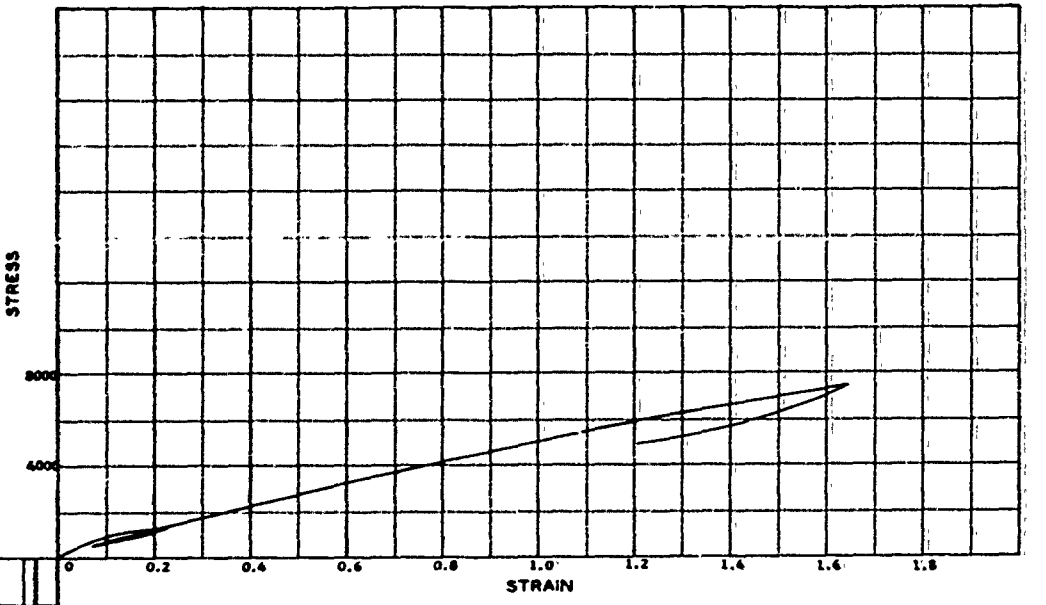
HYDROSTATIC COMPRESSION PHASE



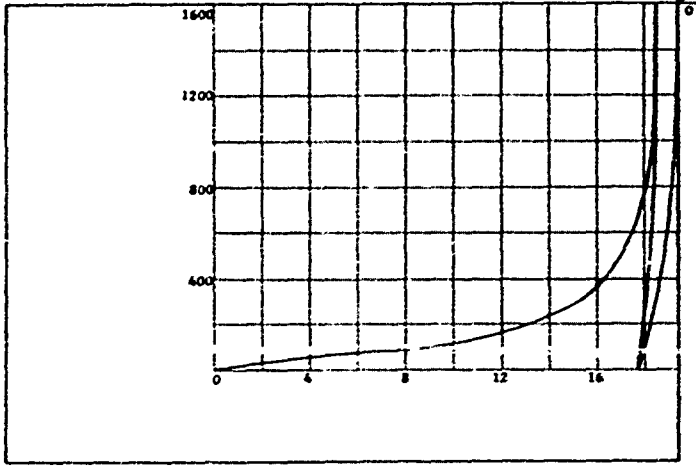
PROJECT Georgia Institute of Technology B-602			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO: 282	
DEPTH EL		DATE	
LL 36	PL 17		PI 19
DESCRIPTION Watching Hill Clay			
No Lateral Strain Triaxial Test, Initial Confining Pressure 800 psi			
Cycle Shear, Cycle Compression			

WATER CONTENT	w	12.42	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.72	%
DRY DENSITY	γ_d	93.40	PCF
WET DENSITY	γ	105.00	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.50	CM
SPECIMEN HEIGHT	H_0	7.62	CM



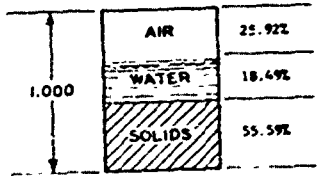


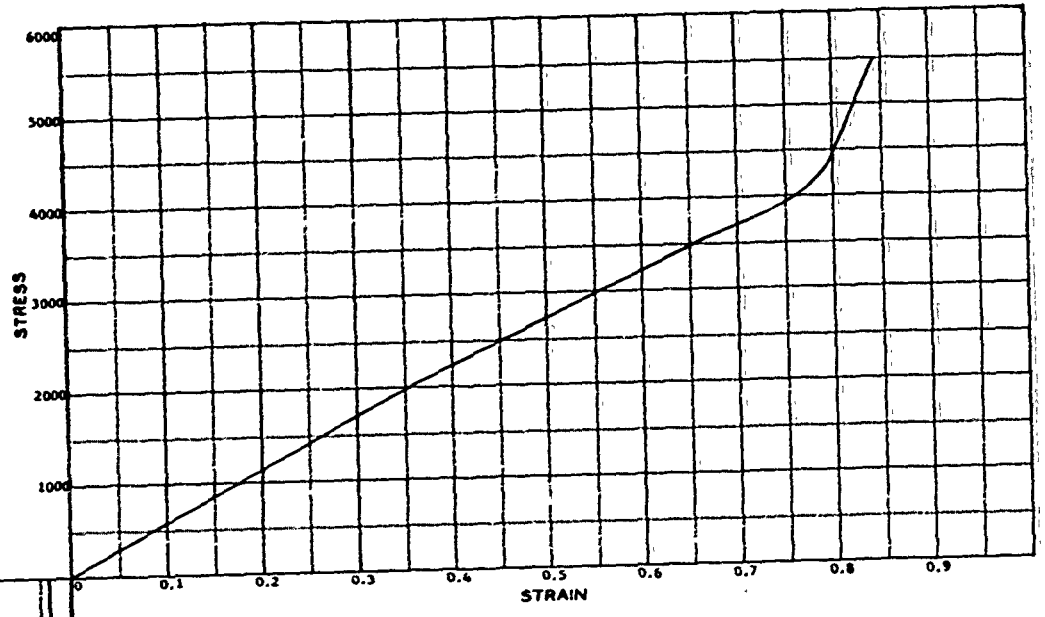
HYDROSTATIC COMPRESSION PHASE



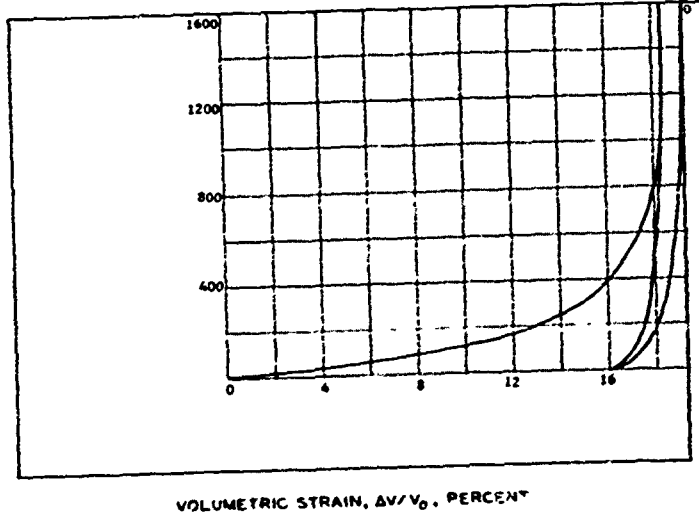
PROJECT Georgia Institute of Technology B-602		
Contract No. DACA39-67-C-0051		
AREA		
BORING NO.	SAMPLE NO. 27	
DEPTH EL	DATE	
LL 36	PL 17	PI 19
DESCRIPTION Matching Mill Clay		
No Lateral Strain Triaxial Test, Initial Confining Pressure, 1600 psi		
Cycle Shear, Cycle Compression		

WATER CONTENT	w	12.32	%
VOID RATIO	e_0	0.80	
SATURATION	S_0	41.66	%
DRY DENSITY	γ_d	93.66	PCF
WET DENSITY	γ	105.20	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	3.30	CM
SPECIMEN HEIGHT	H_0	7.62	CM



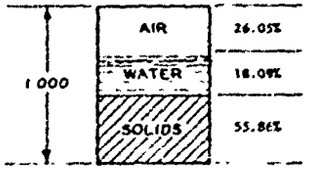


HYDROSTATIC COMPRESSION PHASE

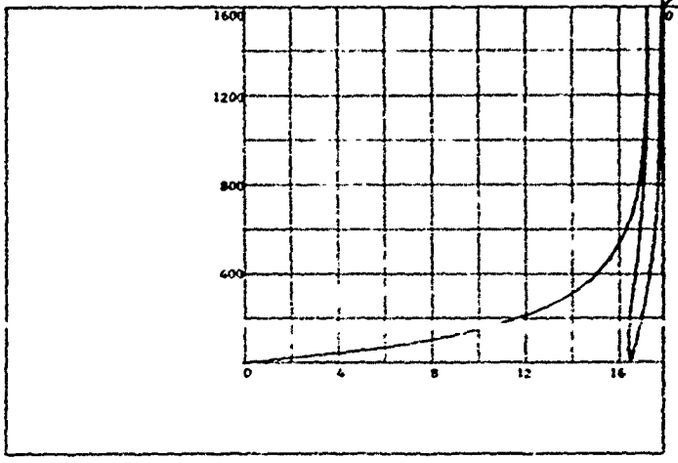


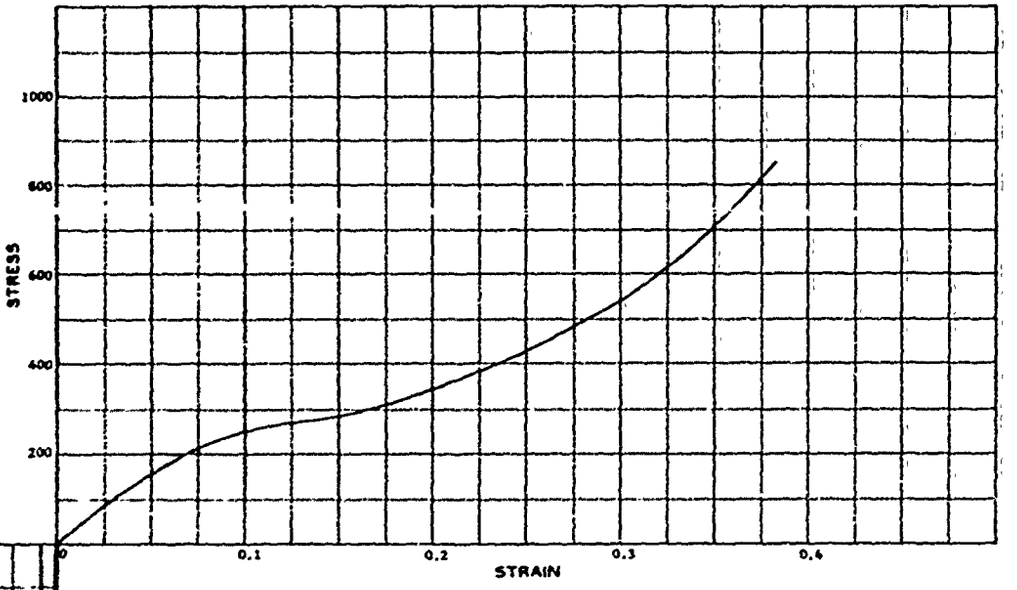
PROJECT Georgia Institute of Technology B-602			
Contract No. DACA39-67-C-0051			
AREA			
BORING NO.		SAMPLE NO. 323	
DEPTH EL		DATE	
LL 36	PL 17		PI 19
DESCRIPTION Watching Hill Clay			
No Lateral Strain Triaxial Test - Initial Confining Pressure, 1600 psi			
Cycle Compression			

WATER CONTENT	w	11.99	%
VOID RATIO	e_0	0.79	
SATURATION	S_0	40.98	%
DRY DENSITY	γ_d	94.11	PCF
WET DENSITY	γ	105.40	PCF
SPECIFIC GRAVITY	G_s	2.70	
SPECIMEN DIAMETER	D_0	[illegible]	CM
SPECIMEN HEIGHT	H_0	7.82	CM



HYDROSTATIC COMPRESSION PHASE





PROJECT	Georgia Institute of Technology B-602		
	Contract No. DACA39-67-C-0051		
AREA			
BORING NO.		SAMPLE NO.	324
DEPTH EL		DATE	
LL	36	PL 17	PI 19
DESCRIPTION	Marching Hill Clay		
No Lateral Strain Triaxial Test - Initial Confining Pressure, 1600 psi			
Cycle Compression			