U.S. ARMY CORPS OF ENGINEERS

BORING NO. 98-79 DATE: BEGIN 7-15-98 PAGE 1 / 1
JOB NO. 1140086157 COMPLETE 7-15-98 Thin Walled Tube
PROJECT Greens Bayou ■ 3" □ 6"
LOCATION along Greens Bayou
ELEVATION OF HOLE
MANUFACTURER'S DESIGNATION OF DRILL RIG MAYHEW 200
GROUNDWATER: DEPTH Dry ft., ELEV. ____ ft., at end of Drilling
WEATHER PARTLY CLOUDY
DRILLER DEMPSEY GEARE LOGGER JOHN A. GENTRY

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0	J	1		GRAY	SAND	V. Dense	CLAY	-w/ ROOTS 0-4 (Dry)
		2	4.5+	GRAY	CLAY	HARD	SANDY	
5		3	4.5	GRAY	CLAY	HARD	SANDY	SETUP WET ROTARY @ 6'
		4	3.0	GRAY & YELLOW	CLAY	VERY STIFF	SANDY	-w/ Ferrous Nodules 6'-12'
		5	2.25	GRAY & YELLOW	CLAY	VERY STIFF	SANDY	-w/Sand SEAMS 6'-12
10		6	3.0	GRAY & YELLOW	CLAY	VERY STIFF	SANDY	
		7	3.5	RED & GRAY	CLAY	VERY STIFF		-w/SAND SEAMS 12'-20 -w/Ferrous STAINS 12'-20
15		8	3.25	RED & GRAY	CLAY	VERY STIFF		-w/SLICKENSIDES 12'-16'
		9	4.5+	RED & GRAY	CLAY	HARD		
		10	4.5+	RED & GRAY	CLAY	HARD		
20								
25								
30								
35								* J = TAP SAMPLE

GEOTEST ENGINEERING, INC.

Project: Greens Bayou

SU. .Y OF LABORATORY TEST RESULTS

Contract No. DACW64-95-D-0007 Delivery Order No. 0047

Boring No. 97-79

S #	Depth (ft)	P P (tsf)	SPT Blows per Foot	Visual Classification	U S C	Mc (%)	Dry Unit Wt (pcf)	Wet Unit Wt (pcf)	L L (%)	PL (%)	Mechanical Analysis % Passing #4	#10	#40	#100	#200	Torvane Shear Strength (tsf)	q u (tsf)	
1	0 - 2	2.25		Sandy Clay,w/roots,Very stiff,Gray	C L	17.0												
2	2 - 4	1.00		Sandy Clay,Stiff,Gray	C L	18.9												
3	4 - 6	1.00		Sandy Clay,w/calc & fer nod,Stiff,Yellowish Gray	C L	18.7												
4	6 - 8	1.00		Sandy Clay,w/calc & fer nod,Stiff,Yellowish Gray	C L	17.0	113.1	132.3	29.0	16.0	96.7	95.4	94.7	89.7	82.0		1.19	
5	8 - 10	2.00		Sandy Clay,w/calc & fer nod,Very stiff, Yellowish gray	C L	16.4												
6	10 - 12	3.00		Sandy Clay,Very stiff,Yellowish brown	C L	19.9	107.1	128.4										
7	12 - 14	3.00		Clay,w/sand seams,Very stiff,Gray & Red	C H	21.1												
8	14 - 16	2.75		Clay,w/calc & fer nod,slks,Very stiff,Red & Gray	C H	27.1	95.0	120.8	51.0	20.0	100.0	100.0	99.9	99.6	98.0		2.27	20
9	16 - 18	4.5+		Clay,w/calc&fer nod,slks,Hard,Red & Gray	C H													
10	18 - 20	4.5+		Clay,w/calc&fer nod,slks,Hard,Red & Gray	C H	28.4												
11	20 - 22	4.5+		Clay,w/calc&fer nod,slks,Hard,Red & Gray	C H	26.9												
12	22 - 24	4.25		Clay,w/calc&fer nod,slks,Hard,Red & Gray	C H	27.1	95.3	121.2	66.0	24.0								
13	24 - 26	4.5+		Clay,w/calc&fer nod,slks,Hard,Red & Gray	C H	27.3												
14	26 - 28	4.5+		Clay,w/calc&fer nod,slks,Hard,Red & Gray	C H	24.1	98.9	122.8	70.0	26.0	100.0	99.8	99.6	98.8	97.8		3.91	21
15	28 - 30	1.25		Silty Clay,w/silt stone & silt seams,Stiff,Red	C L	24.6	98.1	122.2										

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classifcation, M c : Moisture Content
q u : Uncogined Compressive Strength, W O H : Weight of hammer, W O P : Weight of Pipe

JOB NO. 114008614 DATE 3/10/98

PROJECT Greens Bayou

AREA Houston, Texas

BORING NO. 97-79 SAMPLE NO. 4 DEPTH 6-8 ft

SPECIMEN NO. 1

CLASSIFICATION
Sandy Clay,w/calc & fer nod,Stiff,Yellowish gray

Tare No.	P204	Height	5.595 in.
Tare plus Wet Specimen	266.98 gm	Average Diameter	2.830 in.
Tare plus Dry Specimen	234.35 gm	Initial Area	6.290 sq in.
Water Weight	32.63 gm	Volume	35.194 cu in.
Tare Weight	42.95 gm	Volume of Solids	cu in.
Wet Specimen	1222.66 gm	Void Ratio	
Dry Specimen	1044.58 gm	Saturation	%
Water Content	17.05 %	Dry Density	113.1 lb/cu ft
Specific Gravity of Solids			

LL = 29 PL = 16 PI = 13

Proving Ring No. 10170
Proving Ring Constant, K = .757 lbs/div.

Elapsed Time min.	Dial Reading 0.001"	Cumulative Change in.	Proving Ring Dial Reading	Axial Load lb	Axial Strain	Area Corr. sq in.	Compr. Stress tsf
.0	0.	.000	.0	.0	.000	6.29	.000
.2	10.	.010	8.0	6.1	.002	6.30	.069
.3	20.	.020	21.0	15.9	.004	6.31	.181
.5	30.	.030	34.0	25.7	.005	6.32	.293
.7	40.	.040	46.0	34.8	.007	6.34	.396
.9	50.	.050	58.0	43.9	.009	6.35	.498
1.0	60.	.060	68.0	51.5	.011	6.36	.583
1.4	80.	.080	81.0	61.3	.014	6.38	.692
1.7	100.	.100	93.0	70.4	.018	6.40	.791
2.0	120.	.120	104.0	78.7	.021	6.43	.882
2.3	140.	.140	114.0	86.3	.025	6.45	.963
2.6	160.	.160	124.0	93.9	.029	6.48	1.044
3.0	180.	.180	132.0	99.9	.032	6.50	1.107
3.3	200.	.200	138.0	104.5	.036	6.52	1.153
3.6	220.	.220	142.0	107.5	.039	6.55	1.182
4.0	240.	.240	143.0	108.3	.043	6.57	1.186
4.3	260.	.260	143.5	108.6	.046	6.60	1.186
4.6	280.	.280	143.5	108.6	.050	6.62	1.181
4.9	300.	.300	143.0	108.3	.054	6.65	1.173

JOB NO. 114008614 DATE 3/10/98

PROJECT Greens Bayou

AREA Houston, Texas

BORING NO. 97-79 SAMPLE NO. 4 DEPTH 6-8 ft

SPECIMEN NO. 1

CLASSIFICATION
Sandy Clay,w/calc & fer nod,Stiff,Yellowish gray

Tare No.	P204	Height	5.595 in.
Tare plus Wet Specimen	266.98 gm	Average Diameter	2.830 in.
Tare plus Dry Specimen	234.35 gm	Initial Area	6.290 sq in.
Water Weight	32.63 gm	Volume	35.194 cu in.
Tare Weight	42.95 gm	Volume of Solids	cu in.
Wet Specimen	1222.66 gm	Void Ratio	
Dry Specimen	1044.58 gm	Saturation	%
Water Content	17.05 %	Dry Density	113.1 lb/cu ft
Specific Gravity of Solids			

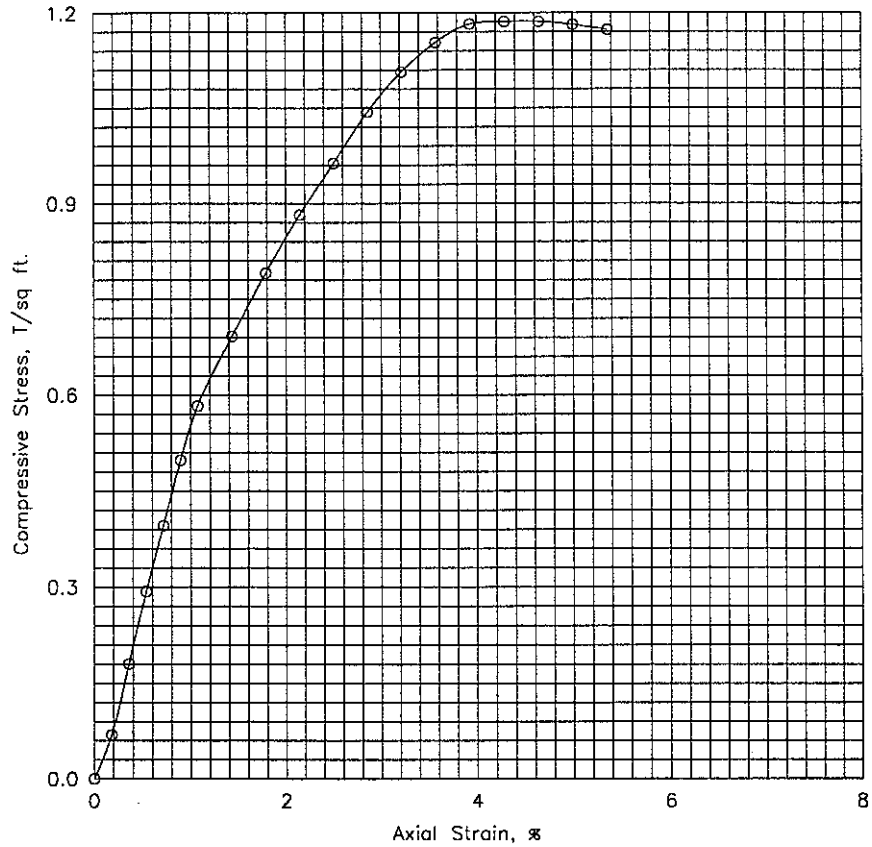
LL = 29 PL = 16 PI = 13

Proving Ring No. 10170
Proving Ring Constant, K = .757 lbs/div.

Elapsed Time min.	Dial Reading 0.001"	Cumulative Change in.	Proving Ring Dial Reading	Axial Load lb	Axial Strain	Area Corr. sq in.	Compr. Stress tsf
.0	0.	.000	.0	.0	.000	6.29	.000
.2	10.	.010	8.0	6.1	.002	6.30	.069
.3	20.	.020	21.0	15.9	.004	6.31	.181
.5	30.	.030	34.0	25.7	.005	6.32	.293
.7	40.	.040	46.0	34.8	.007	6.34	.396
.9	50.	.050	58.0	43.9	.009	6.35	.498
1.0	60.	.060	68.0	51.5	.011	6.36	.583
1.4	80.	.080	81.0	61.3	.014	6.38	.692
1.7	100.	.100	93.0	70.4	.018	6.40	.791
2.0	120.	.120	104.0	78.7	.021	6.43	.882
2.3	140.	.140	114.0	86.3	.025	6.45	.963
2.6	160.	.160	124.0	93.9	.029	6.48	1.044
3.0	180.	.180	132.0	99.9	.032	6.50	1.107
3.3	200.	.200	138.0	104.5	.036	6.52	1.153
3.6	220.	.220	142.0	107.5	.039	6.55	1.182
4.0	240.	.240	143.0	108.3	.043	6.57	1.186
4.3	260.	.260	143.5	108.6	.046	6.60	1.186
4.6	280.	.280	143.5	108.6	.050	6.62	1.181
4.9	300.	.300	143.0	108.3	.054	6.65	1.173

Job No. 114008614

Failure Sketches



☐ Controlled stress
☒ Controlled strain

Test No.		1			
Type of Specimen		Undisturbed			
Initial: Water content	w_0	17.0 %	%	%	%
Initial: Void ratio	e_0				
Initial: Saturation	S_0	%	%	%	%
Initial: Dry density, lb/cu ft	γ_d	113.1			
Time to failure, min	t_f	3.95			
Unconfined compressive strength, T/sq ft	q_u	1.19			
Undrained shear strength, T/sq ft	S_u	.59			
Sensitivity ratio	S_t				
Initial specimen diameter, in.	D_0	2.830			
Initial specimen height, in.	H_0	5.595			

Classification Sandy Clay,w/calc & fer nod,Stiff,Yellowish gray

LL	29	PL	16	PI	13	G_s	

Remarks

Project Greens Bayou

Area Houston, Texas

Boring No. 97-79 | Sample No. 4

Depth El 6-8 ft | Date 3/10/98

UNCONFINED COMPRESSION TEST REPORT

ENG FORM 1 JUN 65 3659

PLATE XI-2

Geotest Engineering, Inc.

PLATE

JOB NO. 114008614 DATE 3/10/98

PROJECT Greens Bayou

AREA Houston, Texas

BORING NO. 97-79 SAMPLE NO. 8 DEPTH 14-16 ft

SPECIMEN NO. 1

CLASSIFICATION
Clay,w/calc & fer nod,slks,Very stiff,Red & Gray

Tare No.	M16	Height	5.595 in.
Tare plus Wet Specimen	254.88 gm	Average Diameter	2.830 in.
Tare plus Dry Specimen	211.75 gm	Initial Area	6.290 sq in.
Water Weight	43.13 gm	Volume	35.194 cu in.
Tare Weight	52.91 gm	Volume of Solids	cu in.
Wet Specimen	1116.39 gm	Void Ratio	
Dry Specimen	877.99 gm	Saturation	%
Water Content	27.15 %	Dry Density	95.0 lb/cu ft
Specific Gravity of Solids			

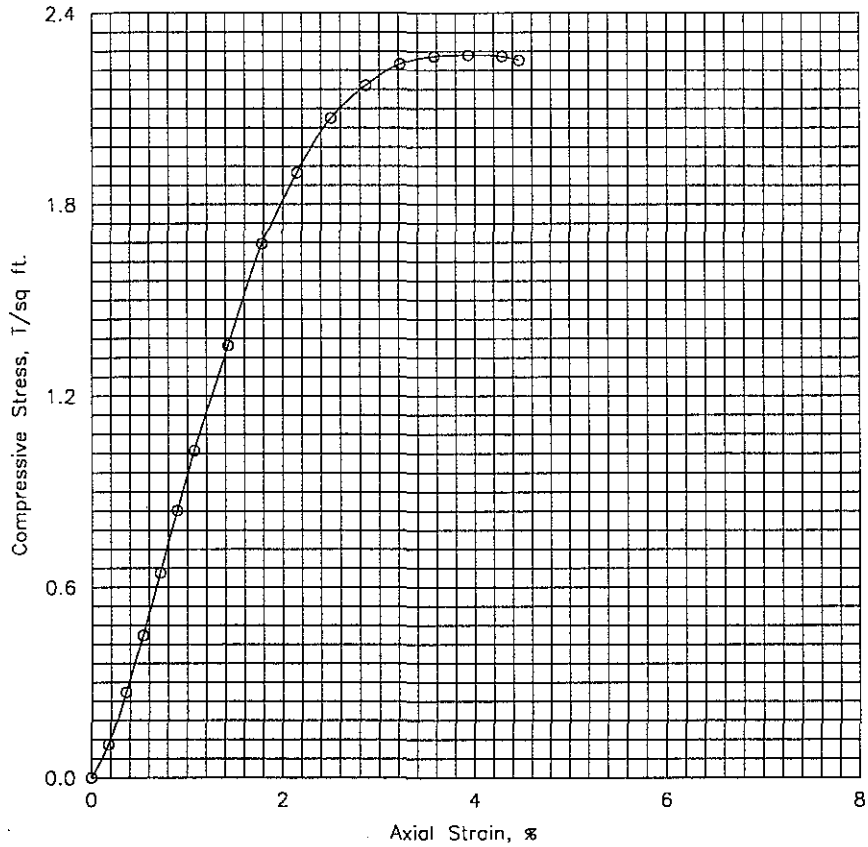
LL = 51 PL = 20 PI = 31

Proving Ring No. 10170
Proving Ring Constant, K = .757 lbs/div.

Elapsed Time min.	Dial Reading 0.001"	Cumulative Change in.	Proving Ring Dial Reading	Axial Load lb	Axial Strain	Area Corr. sq in.	Compr. Stress tsf
.0	0.	.000	.0	.0	.000	6.29	.000
.2	10.	.010	12.0	9.1	.002	6.30	.104
.4	20.	.020	31.0	23.5	.004	6.31	.268
.6	30.	.030	52.0	39.4	.005	6.32	.448
.7	40.	.040	75.0	56.8	.007	6.34	.645
.9	50.	.050	98.0	74.2	.009	6.35	.842
1.1	60.	.060	120.0	90.8	.011	6.36	1.029
1.4	80.	.080	159.0	120.4	.014	6.38	1.358
1.7	100.	.100	197.0	149.1	.018	6.40	1.676
2.0	120.	.120	224.0	169.6	.021	6.43	1.899
2.4	140.	.140	245.0	185.5	.025	6.45	2.070
2.7	160.	.160	258.0	195.3	.029	6.48	2.172
3.0	180.	.180	267.0	202.1	.032	6.50	2.239
3.3	200.	.200	271.0	205.1	.036	6.52	2.264
3.6	220.	.220	272.5	206.3	.039	6.55	2.268
4.0	240.	.240	273.0	206.7	.043	6.57	2.264
4.1	250.	.250	272.0	205.9	.045	6.58	2.252

Job No. 114008614

Failure Sketches



☐ Controlled stress
☒ Controlled strain

Test No.			1			
Type of Specimen			Undisturbed			
Initial	Water content	w_0	27.2 %	%	%	%
	Void ratio	e_0				
	Saturation	S_0	%	%	%	%
	Dry density, lb/cu ft	γ_d	95.0			
Time to failure, min		t_f	3.63			
Unconfined compressive strength, T/sq ft		q_u	2.27			
Undrained shear strength, T/sq ft		S_u	1.13			
Sensitivity ratio		S_t				
Initial specimen diameter, in.		D_0	2.830			
Initial specimen height, in.		H_0	5.595			

Classification Clay,w/calc & fer nod,slks,Very stiff,Red & Gray

LL	51	PL	20	PI	31	G_s	

Remarks

Project Greens Bayou

Area Houston, Texas

Boring No. 97-79 | Sample No. 8

Depth El 14-16 ft | Date 3/10/98

UNCONFINED COMPRESSION TEST REPORT

ENG FORM 1 JUN 65 3659

PLATE XI-2

Geotest Engineering, Inc.

PLATE

JOB NO. 114008614 DATE 3/10/98

PROJECT Greens Bayou

AREA Houston, Texas

BORING NO. 97-79 SAMPLE NO. 14 DEPTH 26-28 ft

SPECIMEN NO. 1

CLASSIFICATION
Clay,w/calc & fer nod,slks,Hard,Red & Gray

Tare No.	HP11	Height	5.595 in.
Tare plus Wet Specimen	259.96 gm	Average Diameter	2.830 in.
Tare plus Dry Specimen	217.87 gm	Initial Area	6.290 sq in.
Water Weight	42.09 gm	Volume	35.194 cu in.
Tare Weight	43.47 gm	Volume of Solids	cu in.
Wet Specimen	1134.54 gm	Void Ratio	
Dry Specimen	913.96 gm	Saturation	%
Water Content	24.13 %	Dry Density	98.9 lb/cu ft
Specific Gravity of Solids			

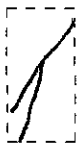
LL = 70 PL = 26 PI = 44

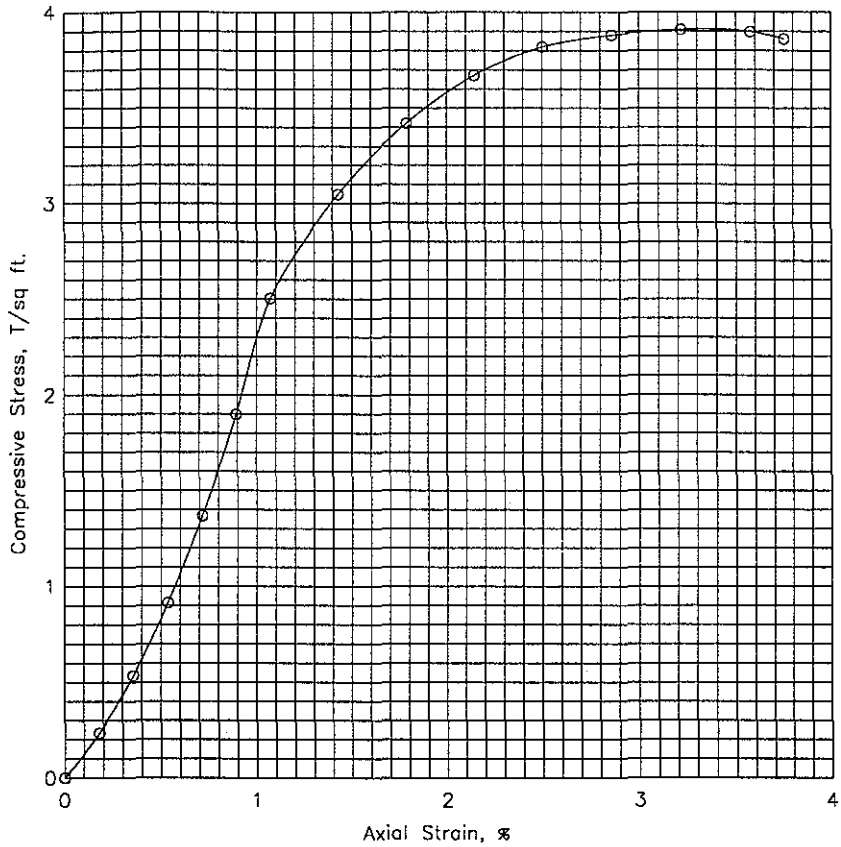
Proving Ring No. 10170
Proving Ring Constant, K = .757 lbs/div.

Elapsed Time min.	Dial Reading 0.001"	Cumulative Change in.	Proving Ring Dial Reading	Axial Load lb	Axial Strain	Area Corr. sq in.	Compr. Stress tsf
.0	0.	.000	.0	.0	.000	6.29	.000
.2	10.	.010	27.0	20.4	.002	6.30	.234
.3	20.	.020	62.0	46.9	.004	6.31	.535
.5	30.	.030	106.0	80.2	.005	6.32	.914
.7	40.	.040	159.0	120.4	.007	6.34	1.368
.8	50.	.050	221.0	167.3	.009	6.35	1.898
1.0	60.	.060	292.0	221.0	.011	6.36	2.503
1.3	80.	.080	357.0	270.2	.014	6.38	3.049
1.6	100.	.100	402.0	304.3	.018	6.40	3.421
2.0	120.	.120	433.0	327.8	.021	6.43	3.671
2.3	140.	.140	452.0	342.2	.025	6.45	3.819
2.6	160.	.160	461.0	349.0	.029	6.48	3.880
2.9	180.	.180	466.0	352.8	.032	6.50	3.908
3.2	200.	.200	466.5	353.1	.036	6.52	3.898
3.4	210.	.210	463.0	350.5	.038	6.54	3.861

Job No. 114008614

Failure Sketches





☐ Controlled stress
☒ Controlled strain

Test No.		1			
Type of Specimen		Undisturbed			
Initial: Water content	w_0	24.1 %	%	%	%
Initial: Void ratio	e_0				
Initial: Saturation	S_0	%	%	%	%
Initial: Dry density, lb/cu ft	γ_d	98.9			
Time to failure, min	t_f	2.93			
Unconfined compressive strength, T/sq ft	q_u	3.91			
Undrained shear strength, T/sq ft	S_u	1.95			
Sensitivity ratio	S_t				
Initial specimen diameter, in.	D_0	2.830			
Initial specimen height, in.	H_0	5.595			

Classification Clay,w/calc & fer nod,slks,Hard,Red & Gray

LL	70	PL	26	PI	44	G_s	

Remarks

Project Greens Bayou

Area Houston, Texas

Boring No. 97-79 | Sample No. 14

Depth El 26-28 ft | Date 3/10/98

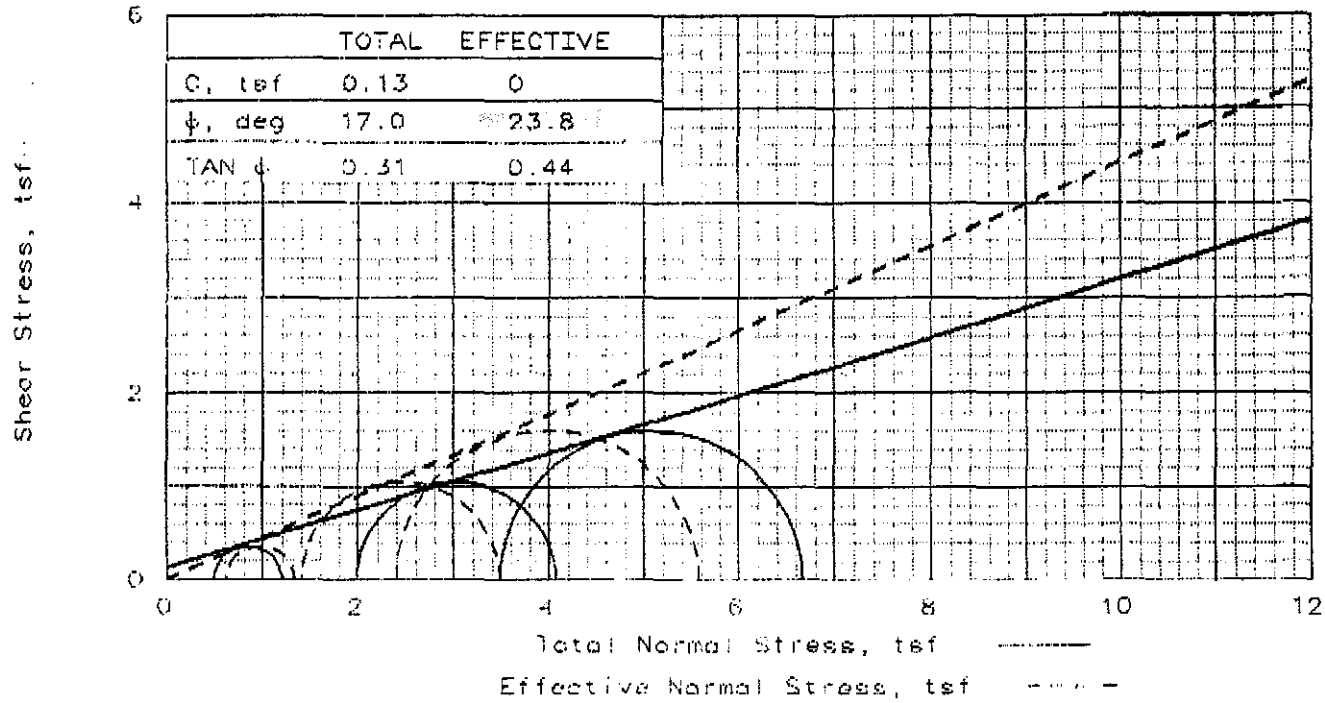
UNCONFINED COMPRESSION TEST REPORT

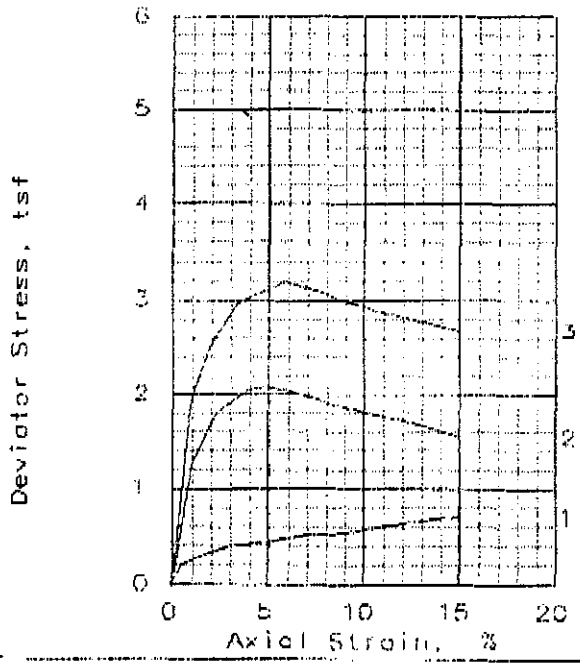
ENG FORM 1 JUN 65 3659

PLATE XI-2

Geotest Engineering, Inc.

PLATE





SAMPLE NO.:		1	2	3
INITIAL	WATER CONTENT, %	26.6	24.7	22.0
	DRY DENSITY, pcf	98.1	101.2	105.7
	SATURATION, %	100.1	100.1	99.8
	VOID RATIO	0.718	0.665	0.595
	DIAMETER, in	1.41	1.40	1.41
	HEIGHT, in	3.00	3.00	3.00
AT TEST	WATER CONTENT, %	26.3	22.8	19.1
	DRY DENSITY, pcf	98.5	104.4	111.2
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	0.711	0.615	0.516
	DIAMETER, in	1.40	1.39	1.38
	HEIGHT, in	3.00	2.97	2.95
BACK PRESSURE, tsf		4.32	4.32	4.32
INIT. EFF. STR., tsf		0.50	2.00	3.50
FAILURE STRESS, tsf		0.71	2.08	3.19
PORE PRESSURE, tsf		4.19	4.90	5.41
TIME TO FAILURE, min.		917	299	353
RATE, %/min.		0.02	0.02	0.02
ULTIMATE STRESS, tsf				

DESCRIPTION CLAY (CH), BROWN

LL= PL= PI= Gs= 2.7 CONTROLLED STRAIN TEST

TYPE OF SPECIMEN UNDISTURBED TYPE OF TEST R w/pore pressures

REMARKS

PROJECT GREENS BAYOU

AREA

LAB. NO.

BORING. NO. 97-79

SAMPLE. NO. 9

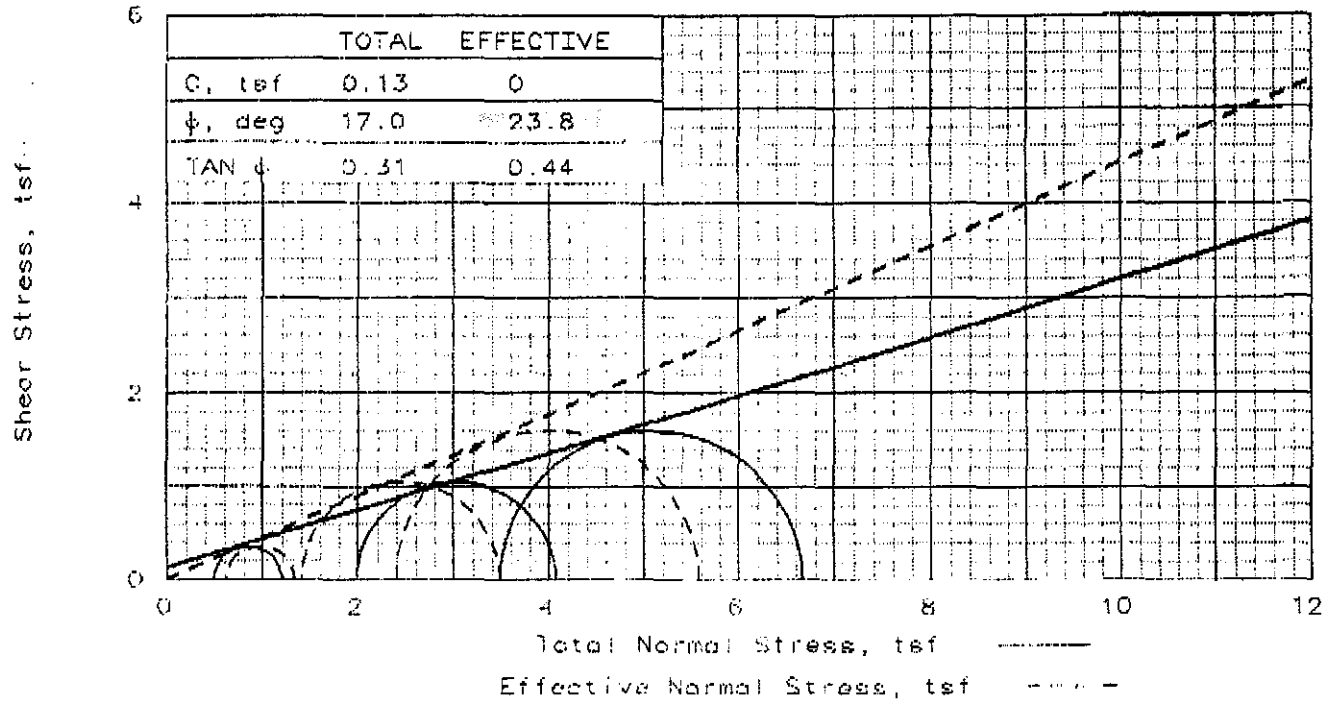
DEPTH/ELEV 16-18

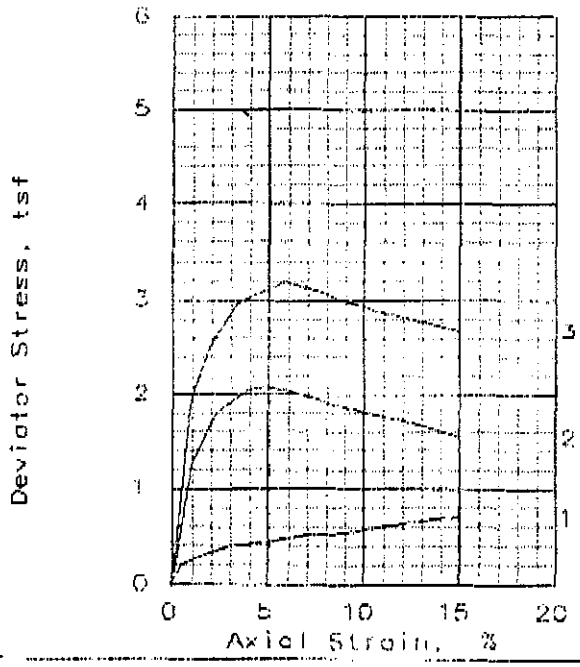
LABORATORY CEWES-GS-GD DATE 31 MAR 98

TRIAXIAL SHEAR TEST REPORT

DEPARTMENT OF THE ARMY, WATERWAYS EXPERIMENT STATION - VICKSBURG, MISSISSIPPI

Work Request No. 0998





SAMPLE NO.:		1	2	3
INITIAL	WATER CONTENT, %	26.6	24.7	22.0
	DRY DENSITY, pcf	98.1	101.2	105.7
	SATURATION, %	100.1	100.1	99.8
	VOID RATIO	0.718	0.665	0.595
	DIAMETER, in	1.41	1.40	1.41
	HEIGHT, in	3.00	3.00	3.00
AT TEST	WATER CONTENT, %	26.3	22.8	19.1
	DRY DENSITY, pcf	98.5	104.4	111.2
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	0.711	0.615	0.516
	DIAMETER, in	1.40	1.39	1.38
	HEIGHT, in	3.00	2.97	2.95
BACK PRESSURE, tsf		4.32	4.32	4.32
INIT. EFF. STR., tsf		0.50	2.00	3.50
FAILURE STRESS, tsf		0.71	2.08	3.19
PORE PRESSURE, tsf		4.19	4.90	5.41
TIME TO FAILURE, min.		917	299	353
RATE, %/min.		0.02	0.02	0.02
ULTIMATE STRESS, tsf				

DESCRIPTION CLAY (CH), BROWN

LL= PL= PI= Gs= 2.7 CONTROLLED STRAIN TEST

TYPE OF SPECIMEN UNDISTURBED TYPE OF TEST R w/pore pressures

REMARKS

PROJECT GREENS BAYOU

AREA

LAB. NO.

BORING. NO. 97-79

SAMPLE. NO. 9

DEPTH/ELEV 16-18

LABORATORY CEWES-GS-GD DATE 31 MAR 98

TRIAXIAL SHEAR TEST REPORT

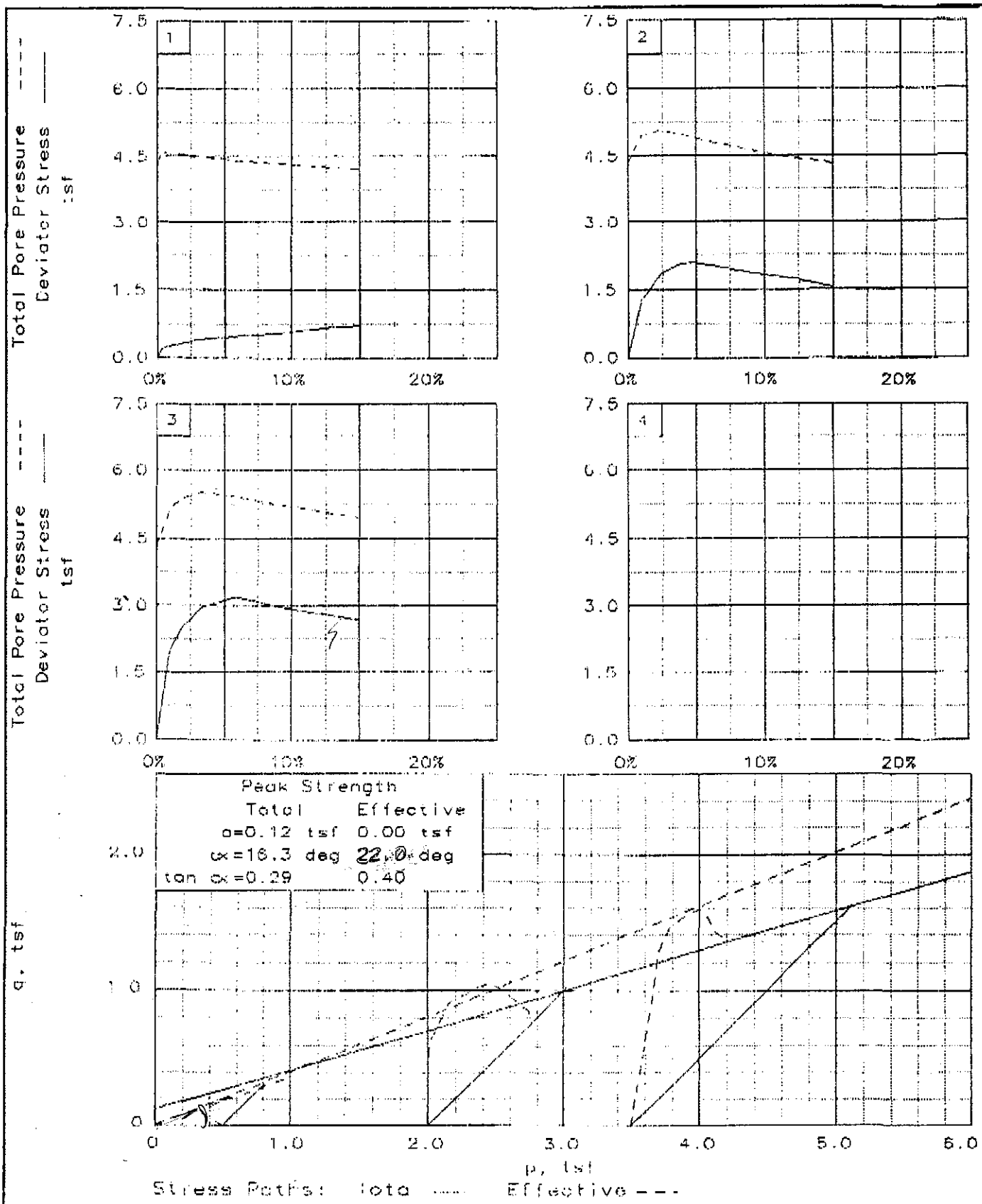
DEPARTMENT OF THE ARMY, WATERWAYS EXPERIMENT STATION - VICKSBURG, MISSISSIPPI

Work Request No. 0998

DEPARTMENT OF THE ARMY, WATERWAYS EXPERIMENT STATION - VICKSBURG, MISSISSIPPI

Work Order No. 0988

Requisition No.



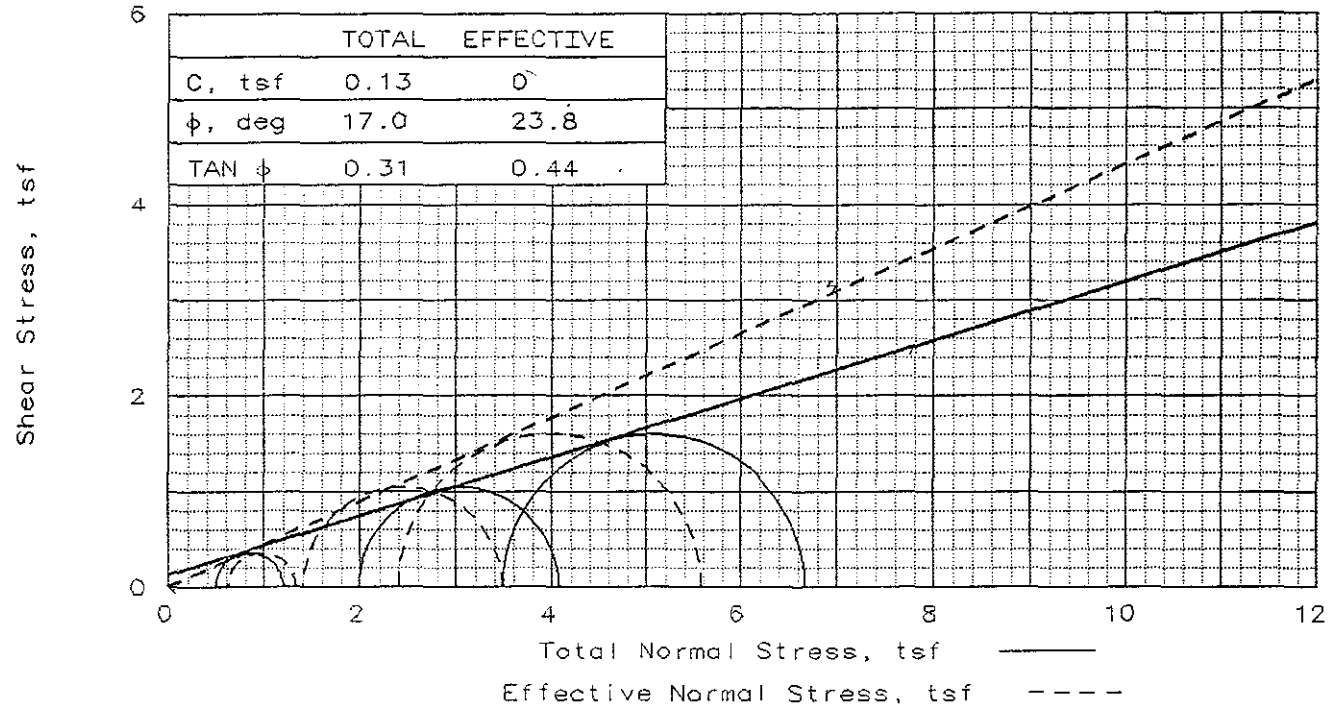
PROJECT GREENS BAYOU

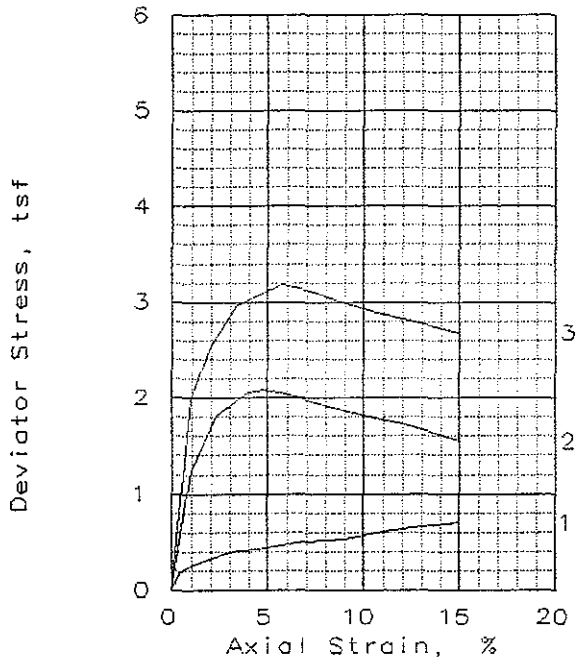
BORING 97-79 SAMPLE 9 DEPTH/ELEV 16-18

TYPE OF TEST R w/pore pressures LAB NO.

LABORATORY CEWES-GS-CD PAGE 2/2 DATE 31 MAR 98

DEPARTMENT OF THE ARMY, WATERWAYS EXPERIMENT S ON - VICKSBURG, MISSISSIPPI
Requisition No. Work der No. 0998





SAMPLE NO.:		1	2	3
INITIAL	WATER CONTENT, %	26.6	24.7	22.0
	DRY DENSITY, pcf	98.1	101.2	105.7
	SATURATION, %	100.1	100.1	99.8
	VOID RATIO	0.718	0.665	0.595
	DIAMETER, in	1.41	1.40	1.41
	HEIGHT, in	3.00	3.00	3.00
AT TEST	WATER CONTENT, %	26.3	22.8	19.1
	DRY DENSITY, pcf	98.5	104.4	111.2
	SATURATION, %	100.0	100.0	100.0
	VOID RATIO	0.711	0.615	0.516
	DIAMETER, in	1.40	1.39	1.38
	HEIGHT, in	3.00	2.97	2.95
BACK PRESSURE, tsf		4.32	4.32	4.32
INIT. EFF. STR., tsf		0.50	2.00	3.50
FAILURE STRESS, tsf		0.71	2.08	3.19
PORE PRESSURE, tsf		4.19	4.90	5.41
TIME TO FAILURE, min.		917	299	353
RATE, %/min.		0.02	0.02	0.02
ULTIMATE STRESS, tsf				

DESCRIPTION CLAY (CH), BROWN

LL= 61	PL= 21	PI= 40	Gs= 2.7	CONTROLLED STRAIN TEST
TYPE OF SPECIMEN UNDISTURBED				TYPE OF TEST (R) w/pore pressures

REMARKS

PROJECT GREENS BAYOU

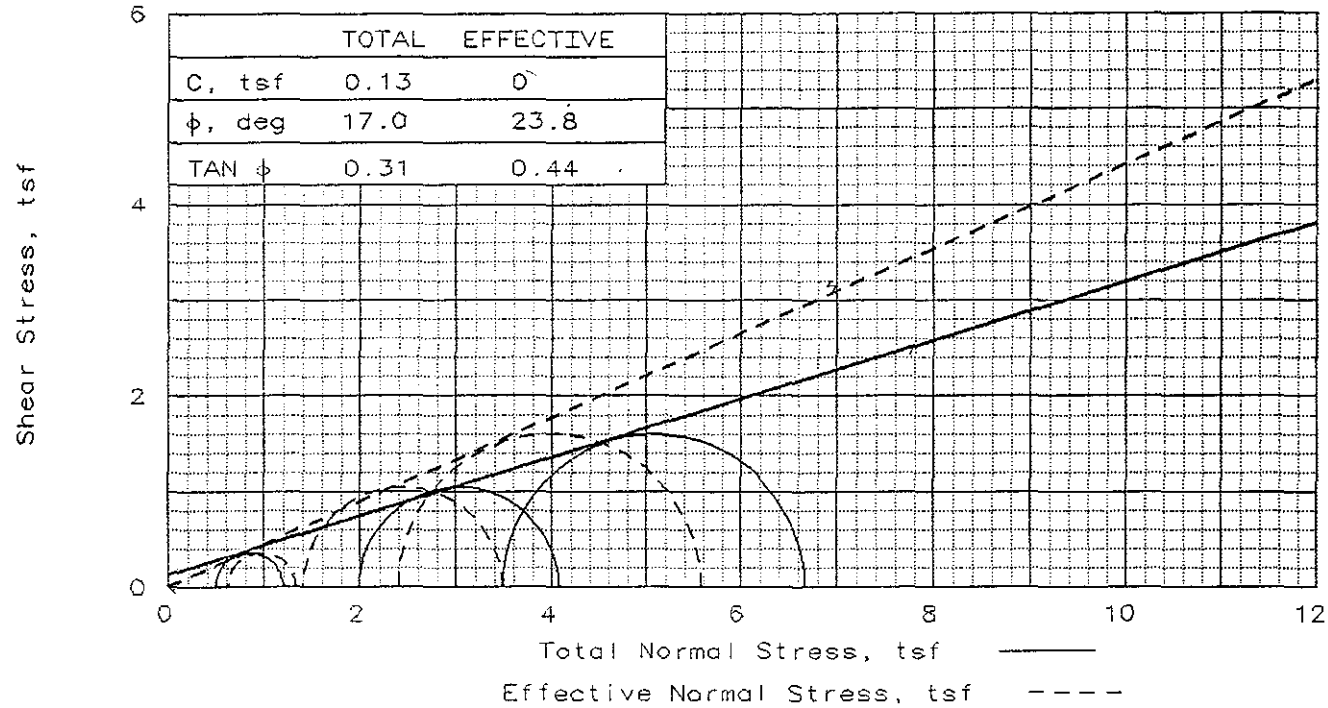
AREA

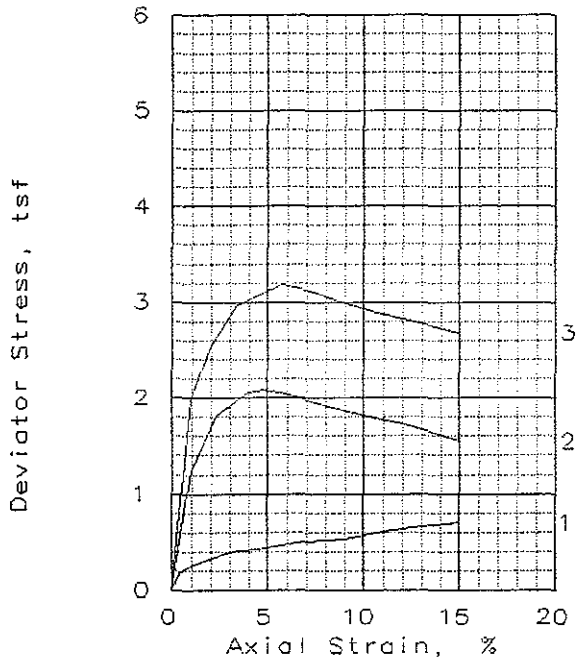
LAB. NO.

BORING. NO. 97-79
SAMPLE. NO. 9
DEPTH/ELEV 16-18
LABORATORY CEWES-GS-GD DATE 31 MAR 98

TRIAXIAL SHEAR TEST REPORT

DEPARTMENT OF THE ARMY, WATERWAYS EXPERIMENT S ON - VICKSBURG, MISSISSIPPI
Requisition No. Work der No. 0998





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REMARKS

PROJECT GREENS BAYOU

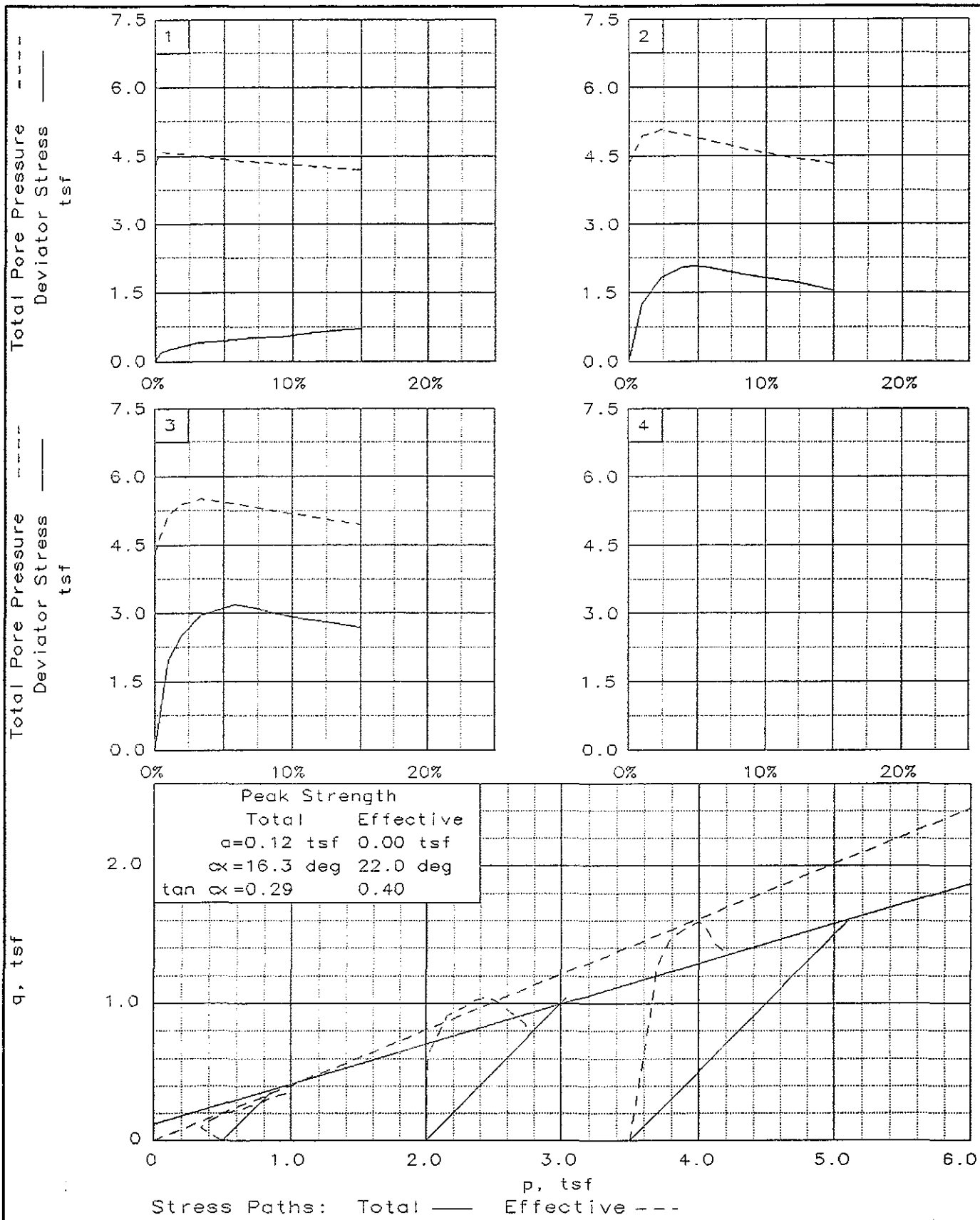
AREA

LAB. NO.

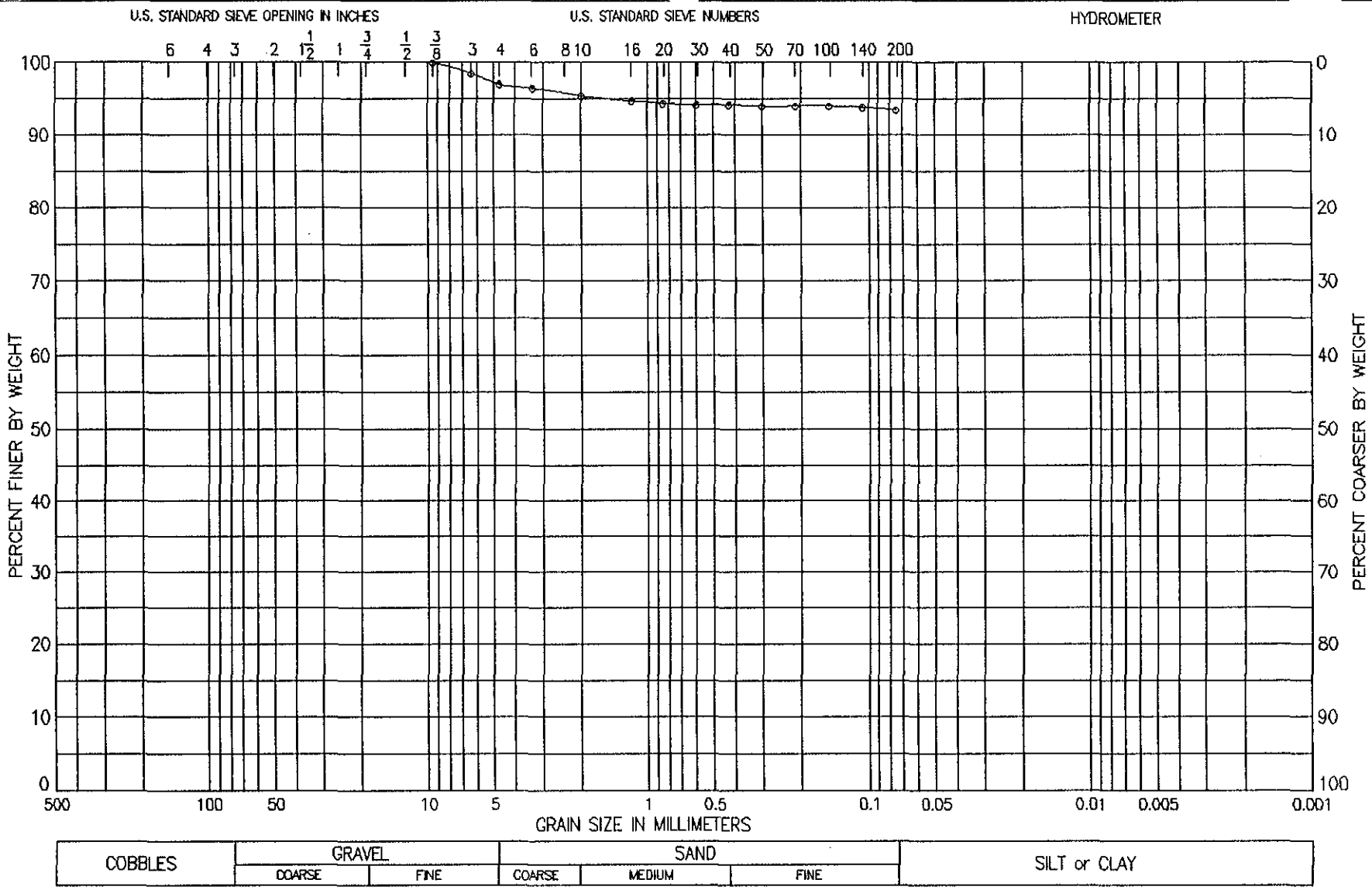
BORING. NO. 97-79
SAMPLE. NO. 9
DEPTH/ELEV 16-18
LABORATORY CEWES-GS-GD DATE 31 MAR 98

TRIAXIAL SHEAR TEST REPORT

DEPARTMENT OF THE ARMY, WATERWAYS EXPERIMENT S ON - VICKSBURG, MISSISSIPPI
Regulation No. Work Order No. 0998



PROJECT	GREENS BAYOU		
BORING	97-79	SAMPLE 9	DEPTH/ELEV 16-18
TYPE OF TEST	R w/pore pressures	LAB NO.	
LABORATORY	CEWES-GS-GD	PAGE 2/2	DATE 31 MAR 98



LL	PL	PI	GS	NAT W,%	ORG,%
61	21	40			

CLASSIFICATION

CLAY (CH), REDDISH BROWN; TRACE OF SAND

PROJECT GREENS BAYOU

BORING NO. 97–79 SAMPLE NO. 9

DEPTH/ELEV 16–18 DATE 28 APR 98

GRADATION CURVE | LABORATORY USAE WES – STF/GL

SIEVE ANALYSIS

PROJECT: GREENS BAYOU

BORING: 97-79 SAMPLE: 9 DF: PR0998 .DAT
DEPTH: 16-18 DATE: 28 APR 98

LL: 61 PL: 21 PI: 40 GS: .00 WC: .00
CLASSIFICATION: 148
CLAY (CH), REDDISH BROWN; TRACE OF SAND

TOTAL WEIGHT OF SAMPLE: 231.1 gms.
PARTIAL WEIGHT AFTER SPLIT: 54.6 gms.

WEIGHTS gm.	SIEVE SIZE or NUMBER	OPENING mm	PERCENT FINER	PERCENT COARSER
.0	3/8 in	9.500	100.0	.0
3.4	No 3	6.350	98.5	1.5
3.4	No 4	4.750	97.1	2.9
.3	No 6	3.350	96.5	3.5
.9	No 10	2.000	95.5	4.5
1.3	No 16	1.180	94.7	5.3
1.5	No 20	.850	94.4	5.6
1.6	No 30	.600	94.2	5.8
1.6	No 40	.425	94.2	5.8
1.7	No 50	.300	94.0	6.0
1.7	No 70	.212	94.0	6.0
1.7	No 100	.150	94.0	6.0
1.8	No 140	.106	93.9	6.1
2.0	No 200	.075	93.5	6.5

PERCENT GRAVEL = 2.9
PERCENT SAND = 3.6
PERCENT FINES = 93.5

EDE