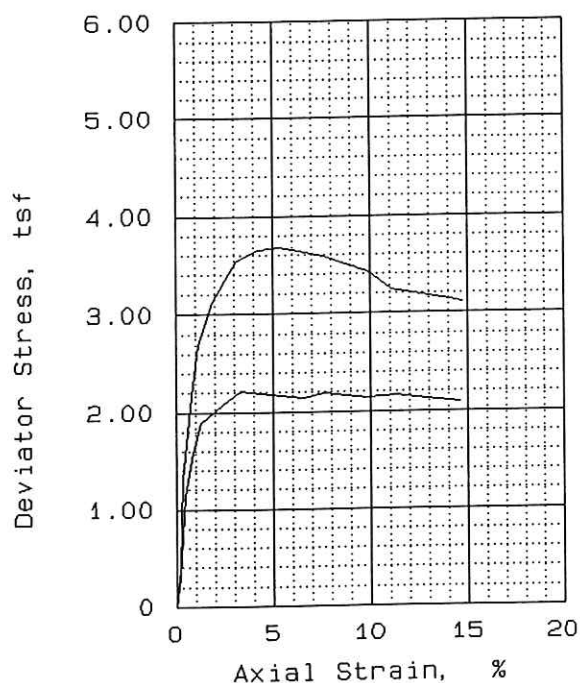
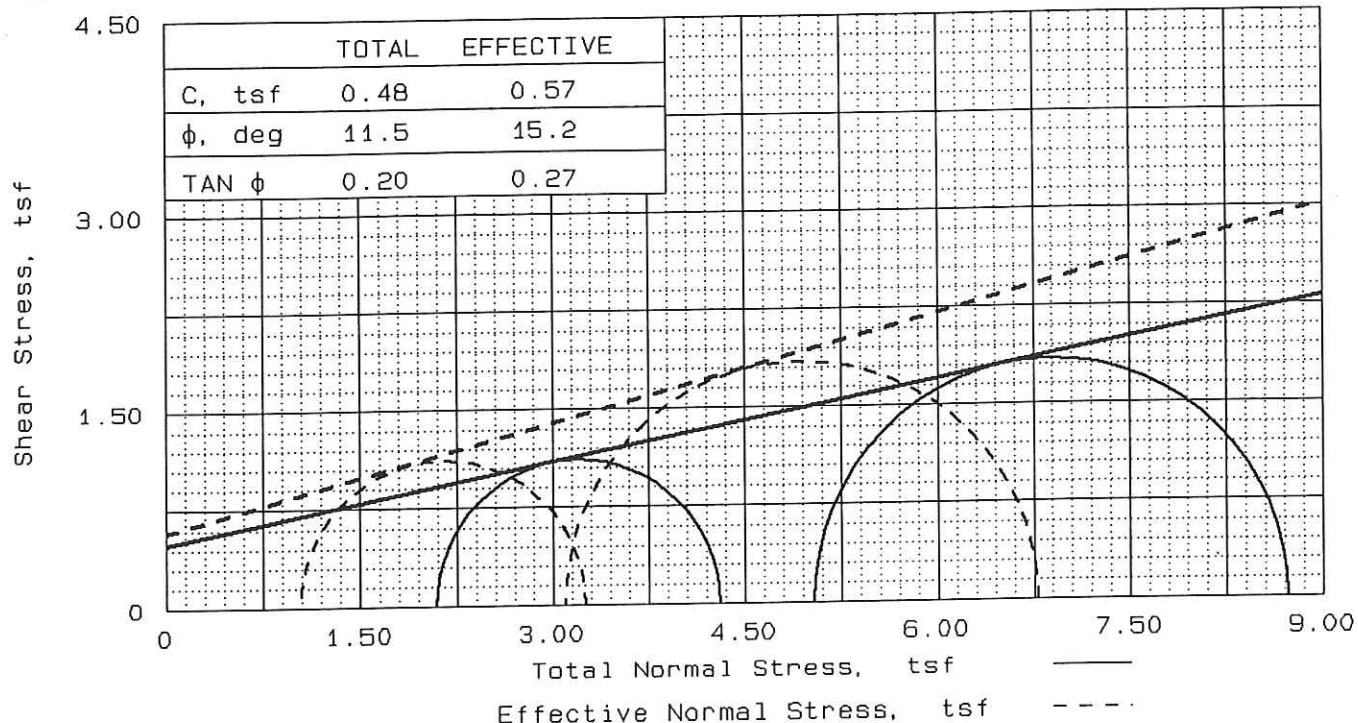




SAMPLE NO.		1	2
INITIAL	WATER CONTENT, %	29.2	30.6
	DRY DENSITY, pcf	94.9	92.7
	SATURATION, %	102.2	101.4
	VOID RATIO	0.769	0.812
	DIAMETER, in	1.40	1.36
	HEIGHT, in	3.04	2.99
AT TEST	WATER CONTENT, %	28.5	30.4
	DRY DENSITY, pcf	95.0	92.4
	SATURATION, %	100.0	100.0
	VOID RATIO	0.768	0.818
	DIAMETER, in	1.41	1.37
	HEIGHT, in	3.02	2.93
BACK PRESSURE, tsf		8.35	7.20
CELL PRESSURE, tsf		10.44	12.24
FAILURE STRESS, tsf		2.22	3.68
PORE PRESSURE, tsf		9.40	9.14
STRAIN RATE, %/min.		0.050	0.050
ULTIMATE STRESS, tsf			
PORE PRESSURE, tsf			
$\bar{\sigma}_1$ FAILURE, tsf		3.25	6.78
$\bar{\sigma}_3$ FAILURE, tsf		1.04	3.1

TYPE OF TEST:

CU with pore pressures

SAMPLE TYPE: UNDISTURBED

DESCRIPTION: FAT CLAY (CH)

LL= 62 PL= 20 PI= 42.0

SPECIFIC GRAVITY= 2.69

REMARKS: SPECIFIC GRAVITY

ESTIMATED

CLIENT: US ARMY CORPS OF ENGINEERS

GALVESTON DISTRICT

PROJECT: BRAYS BAYOU - FLOOD PROTECTION

SAMPLE LOCATION: BORING: 92-137. ST-8

14.0'-16.0', SWD LAB NO. 92/3293

PROJ. NO.: 15625

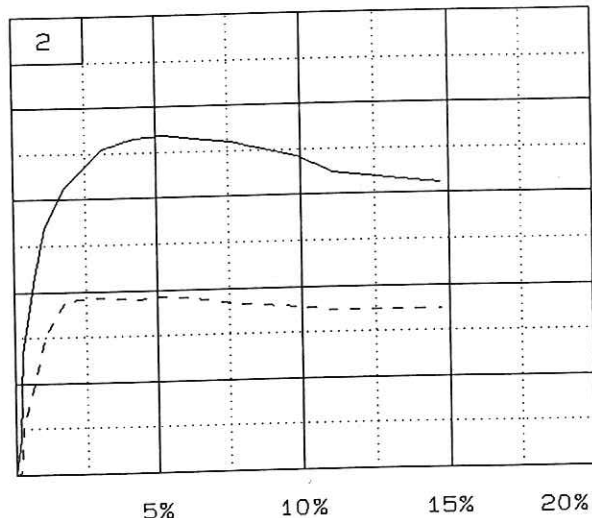
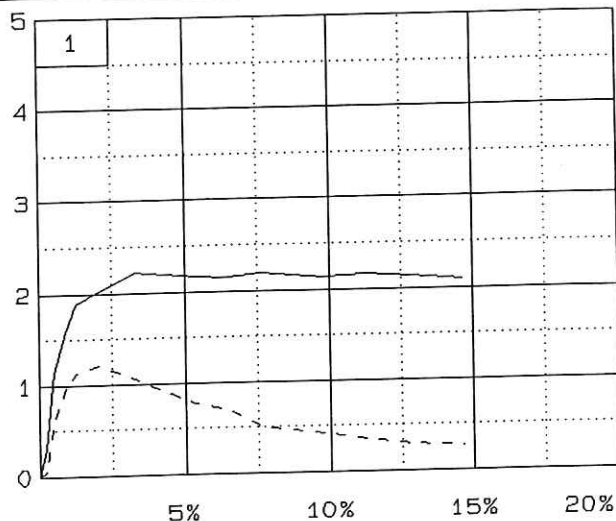
DATE: SEPT 1992

TRIAxIAL COMPRESSION TEST

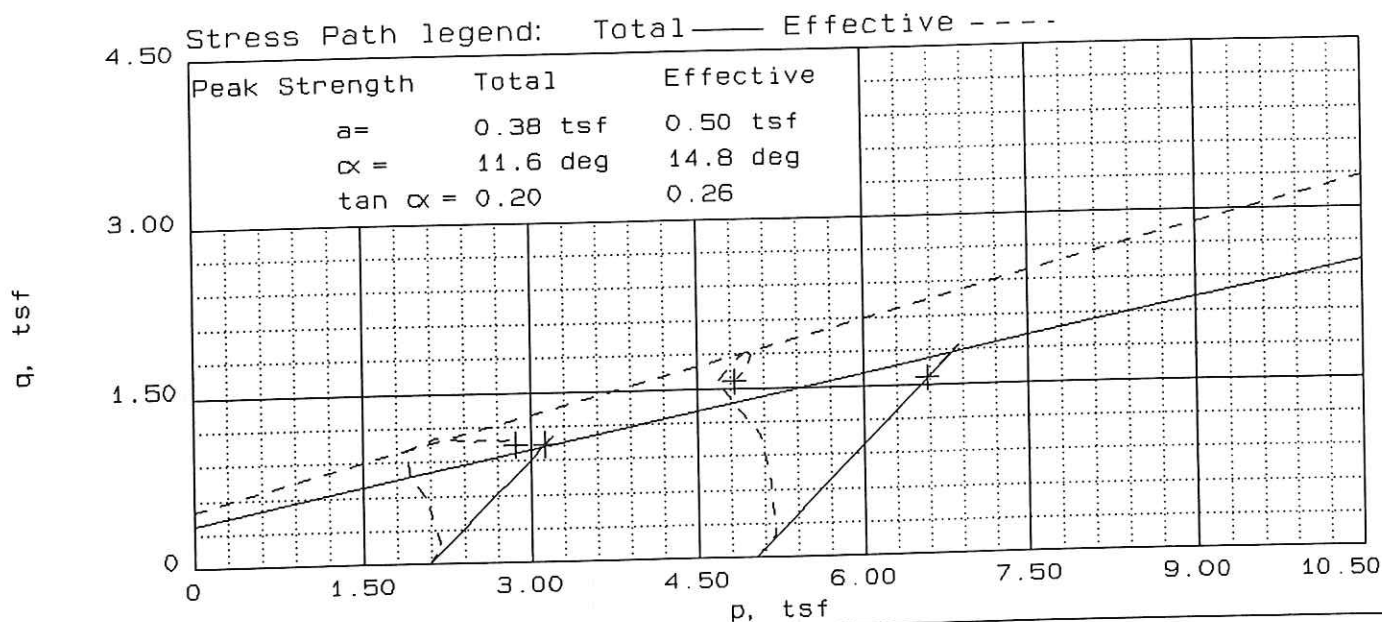
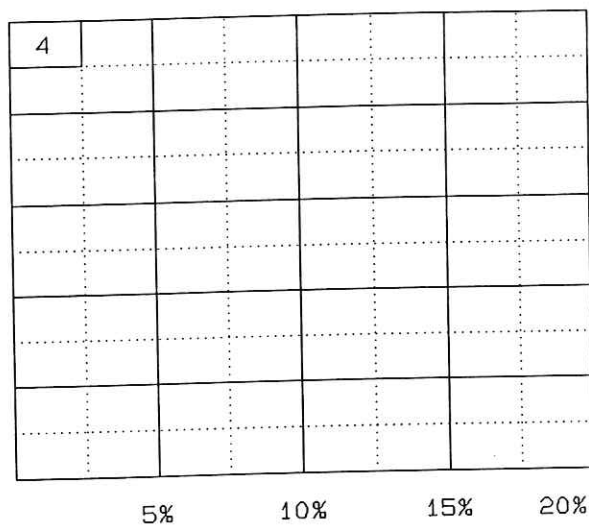
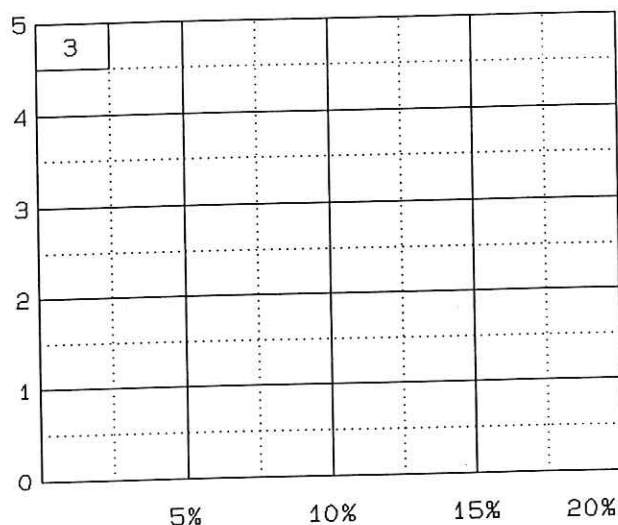
CORPS OF ENGINEERS - SOUTHWESTERN

FIG. NO.

Excess Pore Pressure - - -
 Deviator Stress —
 tsf



Excess Pore Pressure - - -
 Deviator Stress —
 tsf



Client: US ARMY CORPS OF ENGINEERS

GALVESTON DISTRICT

Project: BRAYS BAYOU - FLOOD PROTECTION

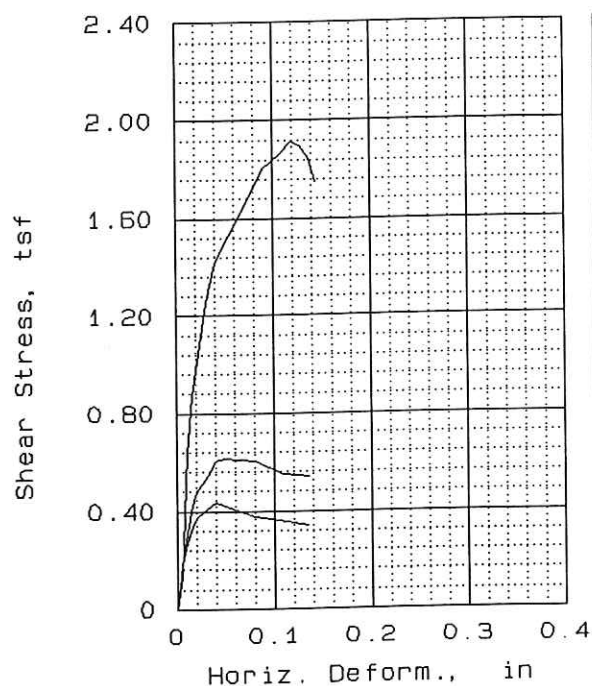
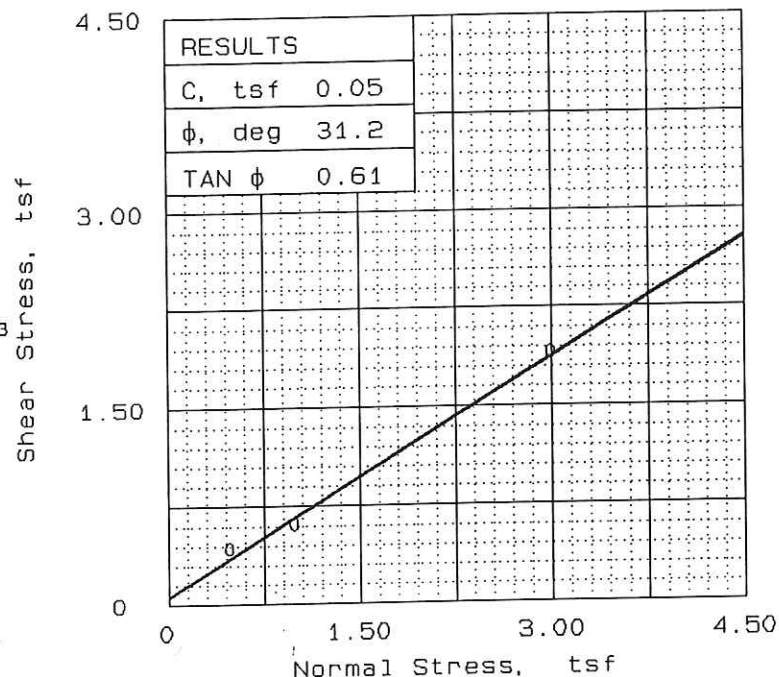
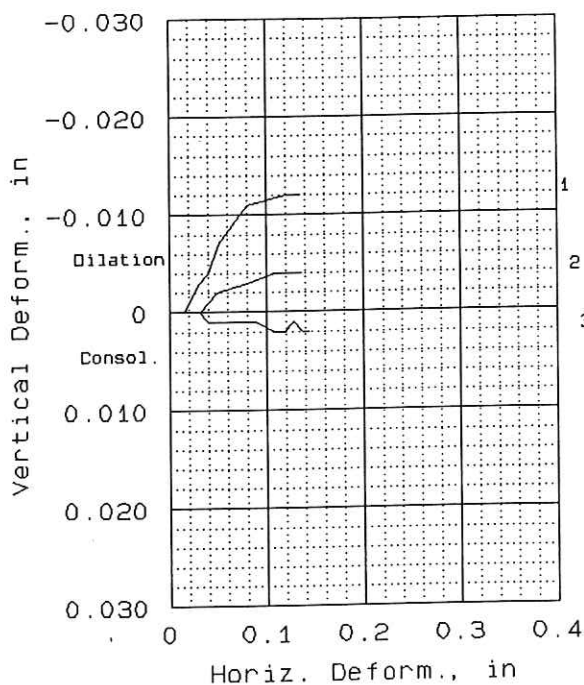
Location: BORING: 92-137, ST-B 14.0'-16.0', SWD LAB NO. 92/3293

File: 3293RBAR

Project No.: 15625

Page 2/2

Fig. No. —



SAMPLE NO.		1	2	3
INITIAL	WATER CONTENT, %	19.5	19.6	20.2
	DRY DENSITY, pcf	108.0	107.3	107.0
	SATURATION, %	95.4	94.0	95.8
	VOID RATIO	0.549	0.560	0.564
	DIAMETER, in	2.51	2.51	2.51
	HEIGHT, in	1.00	1.00	1.00
AT TEST	WATER CONTENT, %	20.8	20.7	19.8
	DRY DENSITY, pcf	109.1	108.8	110.0
	SATURATION, %	104.3	103.2	101.9
	VOID RATIO	0.534	0.538	0.522
	DIAMETER, in	2.51	2.51	2.51
	HEIGHT, in	0.99	0.99	0.97
NORMAL STRESS, tsf		0.49	1.00	3.00
MAX. SHEAR, tsf		0.43	0.61	1.91
STRAIN RATE, %/min.		0.004	0.004	0.004
ULT. SHEAR, tsf				

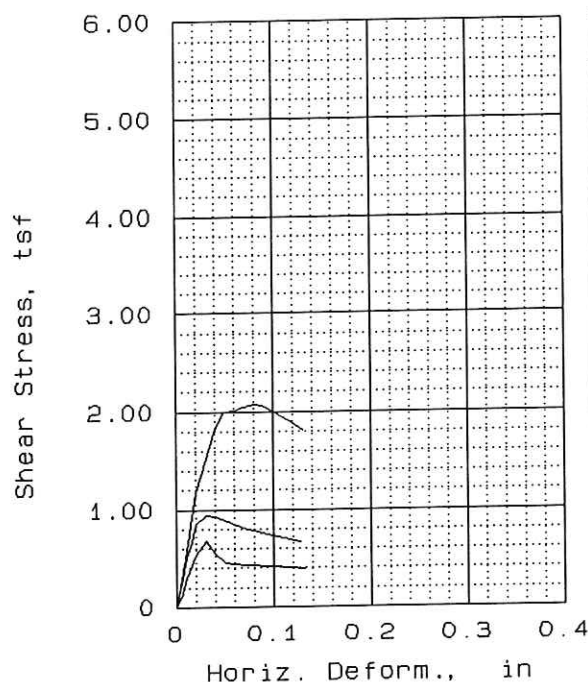
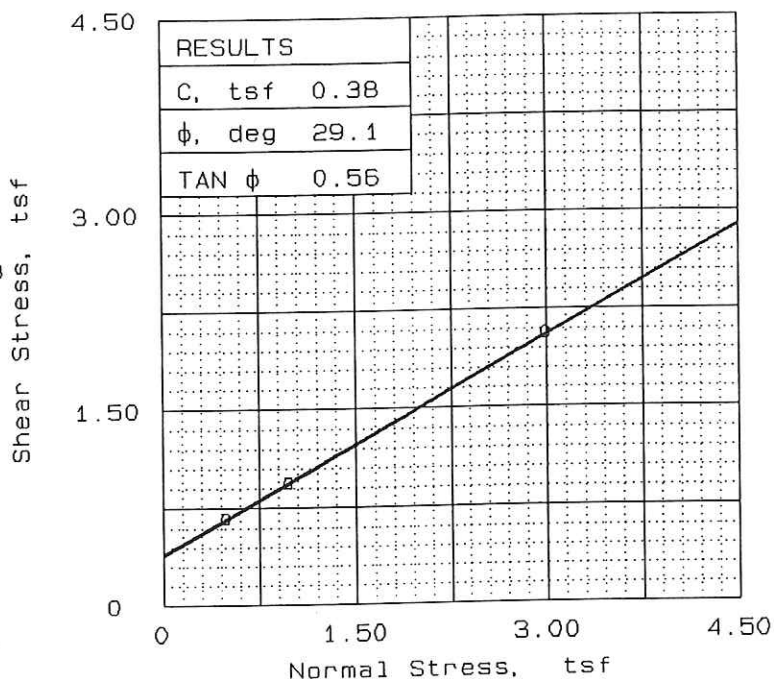
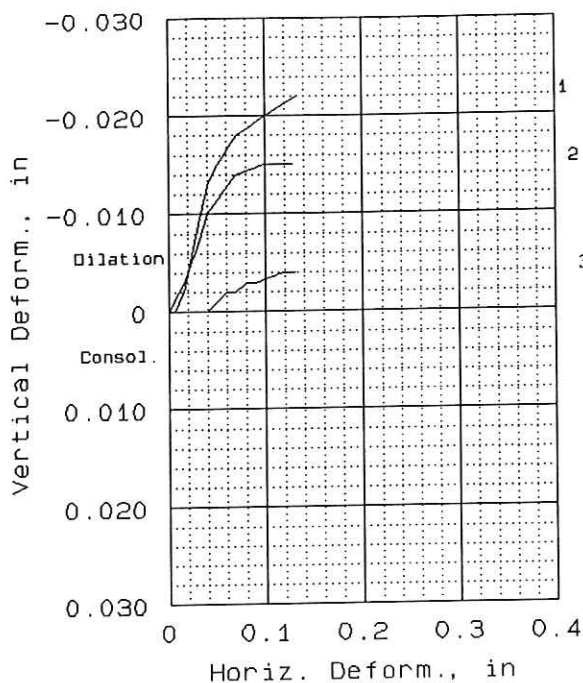
SAMPLE DATA
SAMPLE TYPE: UNDISTURBED
DESCRIPTION: LEAN CLAY (CL)
LL= 39 PL= 15 PI= 24.0
SPECIFIC GRAVITY= 2.68
REMARKS: SPECIFIC GRAVITY
ESTIMATED

CLIENT: US ARMY CORPS OF ENGINEERS
GALVESTON DISTRICT
PROJECT: BRAYS BAYOU - FLOOD PROTECTION
SAMPLE LOCATION: BORING: 92-137. ST-5
9.0'-10.0', SWD LAB NO. 92/3292
PROJ. NO.: 15625 DATE: SEPT 1992

DIRECT SHEAR TEST

CORPS OF ENGINEERS - SOUTHWESTERN

FIG. NO.



SAMPLE NO.		1	2	3
INITIAL	WATER CONTENT, %	16.0	15.2	15.0
	DRY DENSITY, pcf	116.0	117.1	119.0
	SATURATION, %	97.0	95.3	98.8
	VOID RATIO	0.442	0.429	0.406
	DIAMETER, in	2.51	2.51	2.51
	HEIGHT, in	1.00	1.00	1.00
AT TEST	WATER CONTENT, %	16.7	16.1	14.6
	DRY DENSITY, pcf	116.8	118.2	121.5
	SATURATION, %	103.4	103.5	103.6
	VOID RATIO	0.432	0.416	0.378
	DIAMETER, in	2.51	2.51	2.51
	HEIGHT, in	0.99	0.99	0.98
NORMAL STRESS, tsf		0.50	0.99	3.00
MAX. SHEAR, tsf		0.68	0.94	2.07
STRAIN RATE, %/min.		0.004	0.004	0.004
ULT. SHEAR, tsf				

SAMPLE DATA

SAMPLE TYPE: UNDISTURBED
DESCRIPTION: LEAN CLAY WITH
SAND (CH)

LL= 46 PL= 16 PI= 30.0

SPECIFIC GRAVITY= 2.68

REMARKS: SPECIFIC GRAVITY
ESTIMATED

CLIENT: US ARMY CORPS OF ENGINEERS
GALVESTON DISTRICT

PROJECT: BRAYS BAYOU - FLOOD PROTECTION

SAMPLE LOCATION: BORING: 92-137, ST-14
26.0'-28.0', SWD LAB NO. 92/3294

PROJ. NO.: 15625

DATE: SEPT 1992

DIRECT SHEAR TEST

CORPS OF ENGINEERS - SOUTHWESTERN

FIG. NO.