

Job No. 0401-2906 Completion Date 5/16/90 Time _____ Field Log of Boring 90-67

Elevation _____ Location Disposal Area No. 5 Driller R. Aguilar

Lab. Tests	Soil Sample			Depth (ft)	Sample	Blows	Torvane Penet.	Logger <u>W. Cutshall</u>	
	No.	Depth	Type					Comments	Description of Material
									CLAY, stiff to very stiff, light gray and greenish gray
	1	3-5	Q	5		1.25			
	2	5-7	Q			1.75			- sandy below 7'
	3	7-9	Q			2.0			(9')
	4	9-10.5	J	10	X	3/3/3			SILTY SAND, loose, light brown, fine
									(14')
	5	14-16	Q	15		1.75			SILTY CLAY, stiff, light gray and greenish gray
	6	16-18	Q						(16')
	7	18.5-20	J	20	X	2/8/7			SILTY SAND, medium dense, brown, fine
									- greenish gray to 18'
	8	23.5-25	J	25	X	1/2/3		W	(28')
	9	28-30	Q	30		2.0			SILTY CLAY, very stiff, light brown and greenish gray (30')
				35					
				40					

Remarks: Cased to 5' depth

Boring Sealed? W/cuttings

Dry Auger _____ to _____ ft

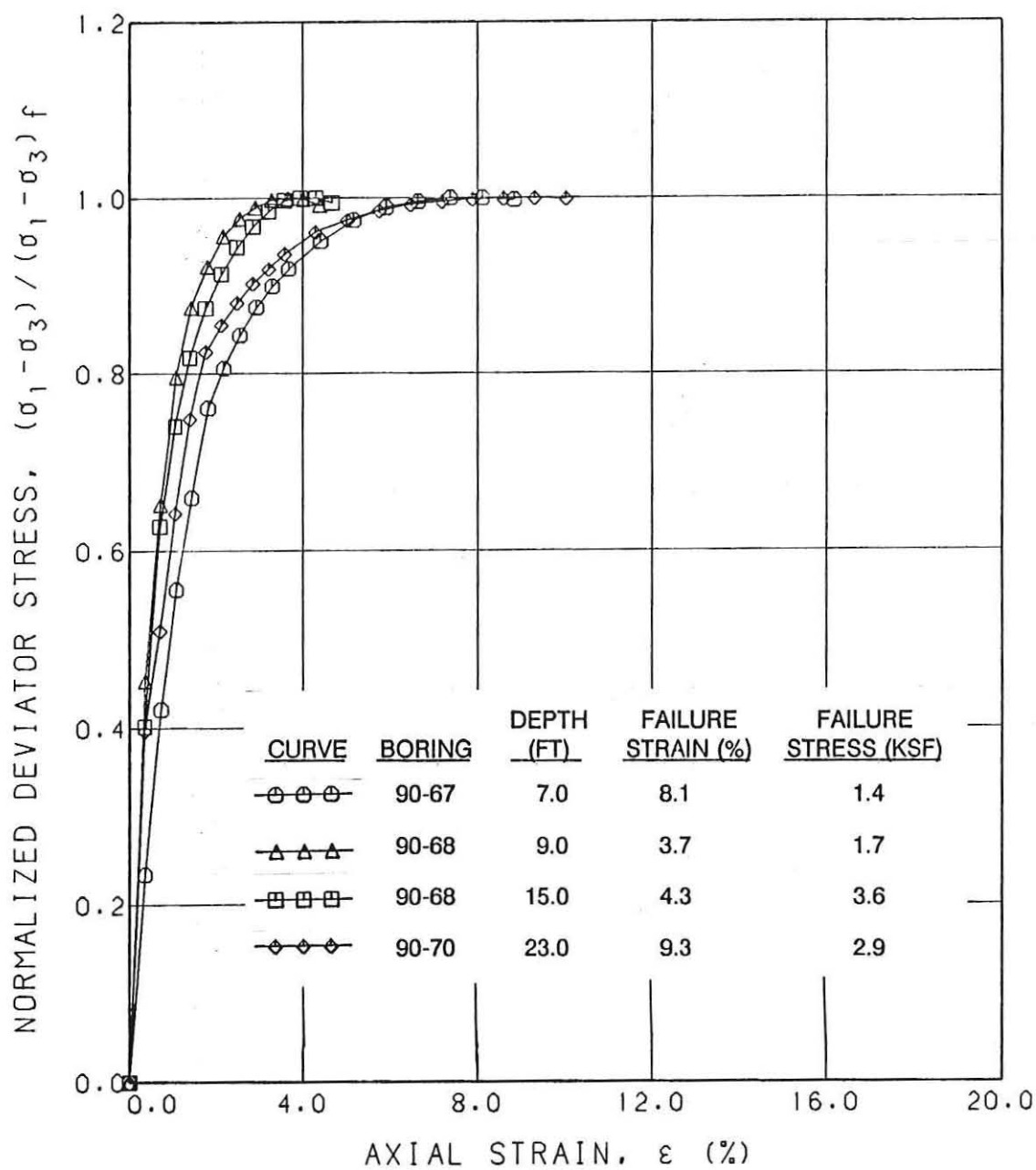
Wet Rotary 0 to 30 ft

Water First Noticed _____ ft

Depth to Water 1.0' Caved at _____ Date _____ Time _____ ; _____

SUMMARY OF TEST RESULTS
Galveston District, Corps of Engineers
Delivery Order No. 0016
Brazos Island Harbor
Brownsville Ship Channel

Boring Number	Sample Number	Sample Depth (ft)	Visual Classification	USCS	MC (%)	UDW (pcf)	LL	PL	PI	Gradation, % Passing Sieve No. 4 10 40 200	UNC Su (ksf)	TV Su (ksf)
90-66	1Q	3-5	<i>Med</i> Firm brown CLAY w/ silt pkcts & ferrous nods	CH	28							0.5 <i>Med</i>
90-66	2Q	5-7	<i>Med</i> Firm brown and gray SILTY CLAY w/ silt pkcts <i>soft</i>	CL	29	95	32	19		100 94 72	0.5 <i>soft</i>	0.3 <i>soft</i>
90-66	3J	7.5-9	Firm brown CLAY w/ silt pkcts & ferrous nods	CH	28							
90-66	4J	12.5-14	Sample Not Received in Lab									
90-66	5J	17.5-19	<i>Med</i> Firm brown CLAY w/ few fe stns, sa & si pkcts	CH	35					100 97 91		
90-66	6J	22.5-24	Soft brown and gray CLAY w/ silt pockets	CH	48							
90-66	7Q	26-28	Firm brown CLAY w/ silt seams	CL	34		42					
90-66	8Q	28-30	Sample Not Received in Lab									
90-67	1Q	3-5	<i>Med</i> Firm brown and gray CLAY w/ si pkcts & fe nods	CH	33							
90-67	2Q	5-7	<i>Med</i> Firm brown and gray CLAY w/ silt pockets	CH	34	88	52	19		100 97 91	0.7	
90-67	3Q	7-9	Firm brown and gray CLAY w/ vert si sms & fe stns	CH	28							
90-67	4J	9-10.5	Brown CLAYEY SAND w/ clay pockets <i>Loose</i>	SC ✓						100 73 25		
90-67	5Q	14-16	Firm brown CLAY w/ silt pockets	CH	34		61					
90-67	6Q	16-18	Stiff olive gray SANDY SILT w/ clay pockets	ML ✓	26					100 72		
90-67	7J	18.5-20	Olive gray SILTY SAND w/clay pockets <i>Med D</i>	SM ✓								
90-67	8J	23.5-25	Olive gray CLAY w/ silt partings	CH								
90-67	9Q	28-30	<i>Med</i> Stiff brown CLAY	CH	33		69					



STRESS-STRAIN CURVES
UNCONFINED COMPRESSION TEST