

U.S. ARMY CORPS OF ENGINEERS

Medline

26

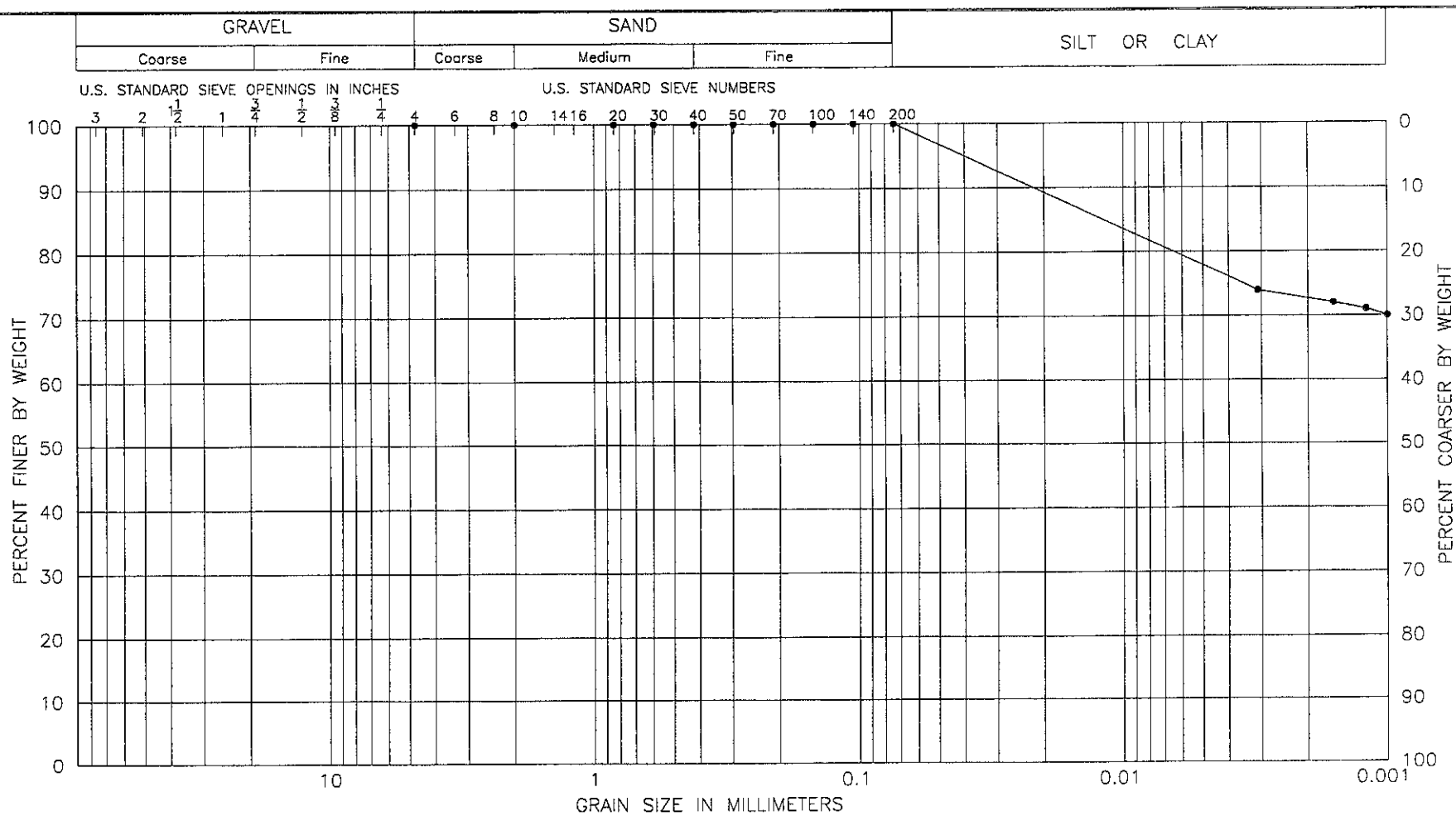
SUMMARY OF LABORATORY TEST RESULTS

Contract No. DACW64-98-D-0002 Delivery Order No. 0010

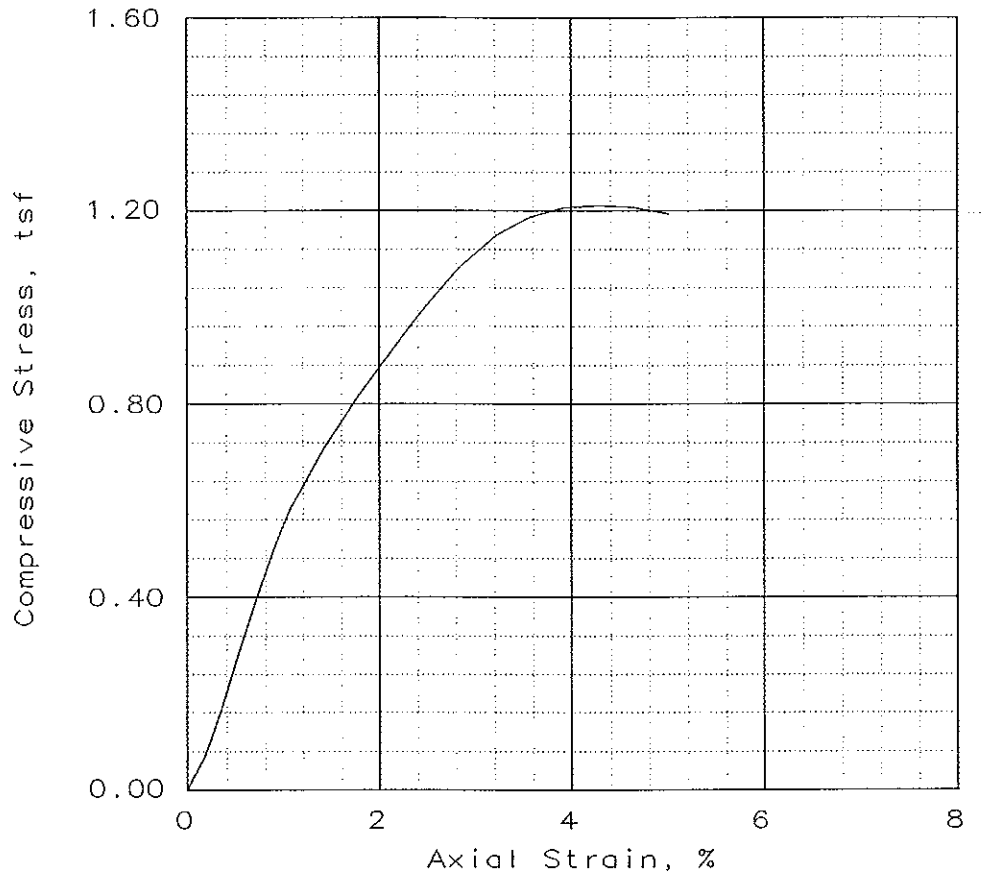
Boring No. 99-23

S #	Depth (ft)	P P (tsf)	SPT Blows per Foot	Visual Classification	U S C	M c (%)	Dry Unit Wt (pcf)	Wet Unit Wt (pcf)	L L (%)	P L (%)	Mechanical Analysis % Passing					Specific Gravity	q u (tsf)
											#4	#10	#40	#100	#200		
1	0 - 2	0.00		Clay,w/decayed wood,Very soft,Gray	C H	101.9											
2	2 - 4	0.00		Clay,w/decayed wood,Very soft,Gray	C H	98.3			101.0	45.0	100.0	100.0	100.0	100.0	100.0		
3	4 - 6	0.00		Clay,w/decayed wood,Very soft,Gray	C H	89.4											
4	6 - 8	0.00		Clay,w/decayed wood,Very soft,Gray	C H	83.2											
5	8 - 10	1.75		Silty Clay,w/fer nod & sand seams,Stiff, Olive gray	C L	25.4	97.8	122.7	44.0	19.0							1.21
6	10 - 12	2.00		Silty Clay,w/fer nod & sand seams,Very stiff,Olive gray	C L	29.2											
7	12 - 14	2.25		Silty Clay,w/fer nod & sand seams,Very stiff,Olive gray	C L	40.8											
8	14-15.5		20	Silty Sand,Medium dense,Gray	S M												
9	18-20	2.25		Clay,w/calc nod & fer stains,slks,Very stiff, Brown & gray	C H	30.4											
10	20-22	2.50		Clay,w/calc nod & fer stains,slks,Very stiff, Brown & gray	C H	29.9											
11	22-24	1.00		Silty Clay,w/fer nod & sand seams,Stiff,Gray	C L	20.5											
12	24-26	1.00		Silty Clay,w/fer nod & sand seams,Stiff,Gray	C L	20.0											
13	26-28	3.25		Silty Clay,w/fer nod & sand seams,Very stiff,Yellowish gray & gray	C L	42.3											
14	28-30	3.25		Silty Clay,w/fer nod & sand seams,Very stiff,Yellowish gray & gray	C L	38.6											

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



UNCONFINED COMPRESSION TEST



SAMPLE NO.:	1			
Unconfined strength, tsf	1.21			
Undrained shear strength, tsf	0.61			
Failure strain, %	4.3			
Strain rate, %/min	1.07			
Water content, %	25.4			
Wet density, pcf	122.7			
Dry density, pcf	97.8			
Saturation, %	95.9			
Void ratio	0.7106			
Specimen diameter, in	2.83			
Specimen height, in	5.60			
Height/diameter ratio	1.98			

Description: Silty Clay, w/fer nod&sd sms, Stiff, Olive Gray

LL = 44 PL = 19 PI = 25 ASS. GS= 2.68 Type: Undisturbed

Project No.: 1140114810

Date: 6-05-99

Remarks:

Assumed Specific gravity

Client: U.S Army Corps of Engineers

Galveston office District

Project: Neches River Saltwater Barrier

Location: Boring No. 99-23

Sample No. 5 Depth: 8-10 ft

UNCONFINED COMPRESSION TEST

GEOTEST ENGINEERING, INC.

Fig. No.: _____