SOUTHWESTERN LABORATORIES

Materials, environmental and geotechnical engineering, nondestructive, metallurgical and analytical services

FIELD BORING LOG

Project No. 84-572 Title Wall Repair Client Corps of Engineers Location Beaumont Reserve Fleet

Boring No. 84-48 Type of Boring Undisturbed Sample Surface Ele. Exist. Grade Date 5-27-84

Rig No. Failing 250 Logger G. LaStrappe Driller J. Robbins Driller's Helper R. Crader

Water Table Readings: Cased to 0 ft. Drilled Dry 4 ft. Bailed to 0 ft.

1. Time ____ Depth ____ ft. 2. Time ____ Depth ____ ft. 3. Time ____ Depth ____ ft. 4. Time ____ Depth ____ ft.

DEPTH FT.	SAMPLE NO.	SAMPLE TYPE	N 1/6"	N 2/6"	N 3/6"	PK. PNT. OR TRV., TSF	DESCRIPTION
	1	Quart				PP 1.0	Soft to firm dark gray silty clay with roots & organic matter
	2	Jar					-clayey sand 3'-4'
5	3	Quart				TV 0.35	Soft dark gray & black clay with organic matter
	4	Quart				TV 0.25	
	5	Quart				TV 0.15	
10	6	Quart				TV 0.20	
	7	Quart				TV 0.20	
15	8	Quart				TV 0.30	
	9	Quart				TV 0.10	-with decayed wood @ 18'
	10	Quart				PP 1.5	Firm light gray & tan clay
20							-with calcareous nodules @ 18' - 24'
	11	Quart				PP 1.5	
	12	Quart				PP 1.5	
25	13	Quart				PP 1.5	-gray silty fine sand 24' - 25'
	14	Quart				PP 1.5	
	15	Quart				PP 2.0	
30	16	Quart				PP 2.0	-becomes stiff & color changes to gray & tan with shell fragments
35	17	Quart				PP 2.0	
							BORING TERMINATED
40							
45							

SUMMARY OF LABORATORY TEST DATA

PROJECT Sheet Pile Wall Repair; Beaumont Reserve Fleet; Beaumont, Texas

PROJECT NO. 84-572 **DATE** 7-9-84

BORING NO.	DEPTH IN FEET	MATERIAL DESCRIPTION	MOISTURE CONTENT %	DRY DENSITY pcf	ATTERBERG LIMITS LL	PL	PI	TORVANE (tsf)	COMPRESSION TEST: COMPRESSION tsf	STRAIN %	LATERAL PRESSURE psi	FAILURE TYPE	MECHANICAL ANALYSIS (Percent Passing) Sieve Number 4	10	40	200
84-48	0-2	Brown and gray silty clay with sand layers (SC)	18	99	41	20	21						100	99	95	36
	2-4	Brown and gray clayey fine sand (SC)	19													
	4-6	Black clay with organic matter soft (CH)	33													
	6-8	Black clay with organic matter soft (CH)	45													
	8-10	Soft black clay with organic matter soft (CH)	55	67	65	21	44		0.25	5.1	0	Bulge	100	100	100	99
	10-12	Black clay with organic matter soft (CH)	39													
	12-14	Black clay with organic matter soft (CH)	55	69	55	20	35		Direct Shear (see page B-8)				100	100	100	99
	14-16	Gray sandy clay stiff (CL)	28													
	16-18	Gray sandy clay stiff (CL)	25													
	18-20	Firm gray clay, slightly sandy stiff (CL)	24	103					0.77	5.8	0	Bulge				
	20-22	Gray sandy clay with calcareous nodules stiff (CL)	26	99	48	17	31									
	22-24	Gray clay, slightly sandy stiff (CL)	23													

SUMMARY OF LABORATORY TEST DATA

PROJECT Sheet Pile Wall Repair; Beaumont Reserve Fleet; Beaumont, Texas

PROJECT NO. 84-572 **DATE** 7-9-84

BORING NO.	DEPTH IN FEET	MATERIAL DESCRIPTION	MOISTURE CONTENT %	DRY DENSITY pcf	ATTERBERG LIMITS LL	PL	PI	TORVANE (tsf)	COMPRESSION TEST: COMPRESSION tsf	STRAIN %	LATERAL PRESSURE psi	FAILURE TYPE	MECHANICAL ANALYSIS (Percent Passing) Sieve Number 4	10	40	200
84-48	24-26	Gray clay with silty fine sand layer stiff (CL)	27													
	26-27	Gray and brown clay, slickensided, with shell fragments stiff (CH)	33	81	94	23	71						100	100	100	99
	28-30	Gray and brown clay, slickensided stiff (CH)	52													
	30-32	Firm gray and brown clay, slickensided stiff (CH)	38	82	65	22	43		0.71	2.8	0	Shear	100	98	95	88
	33-35	Gray and brown clay, slickensided stiff (CH)	57													

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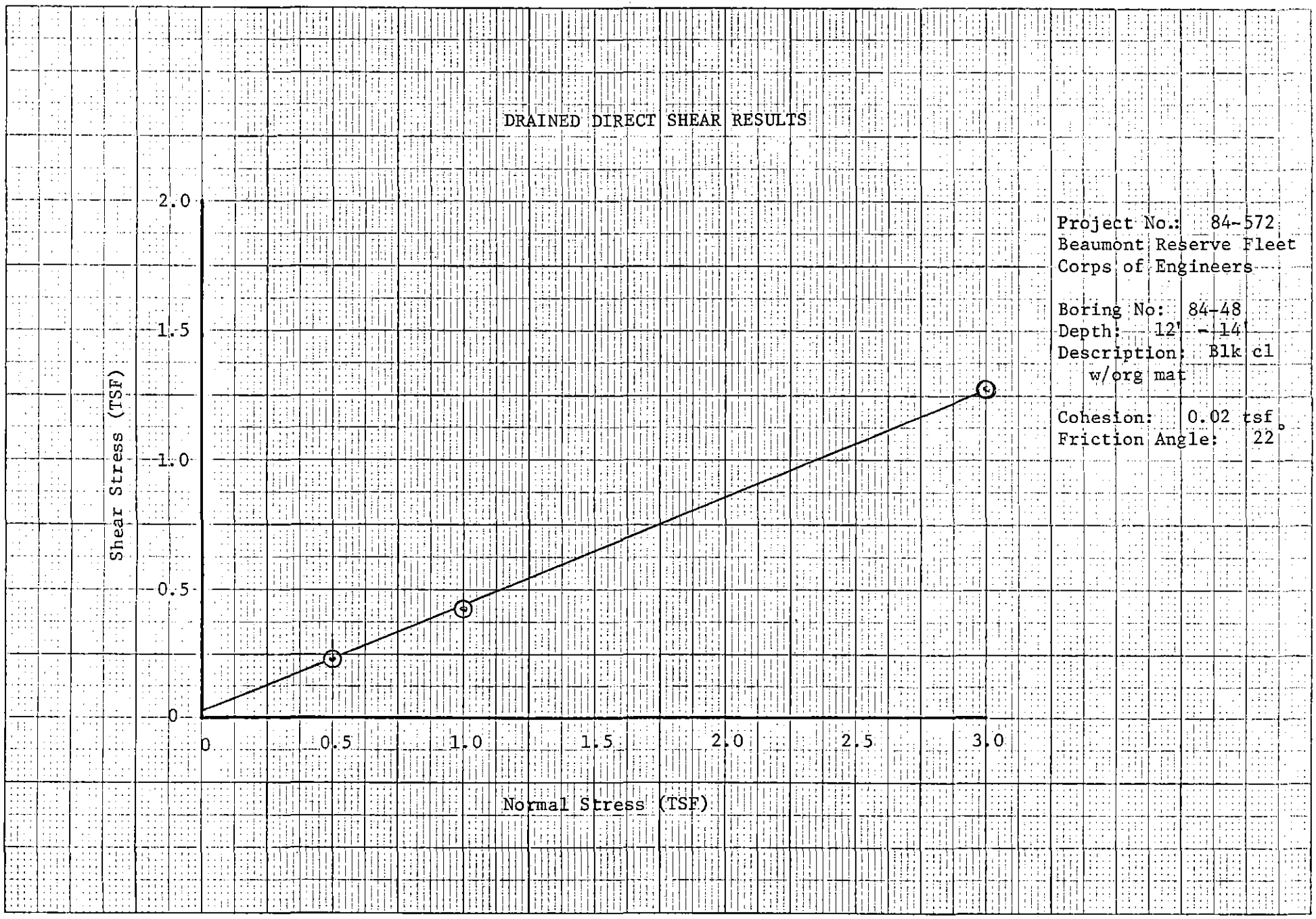
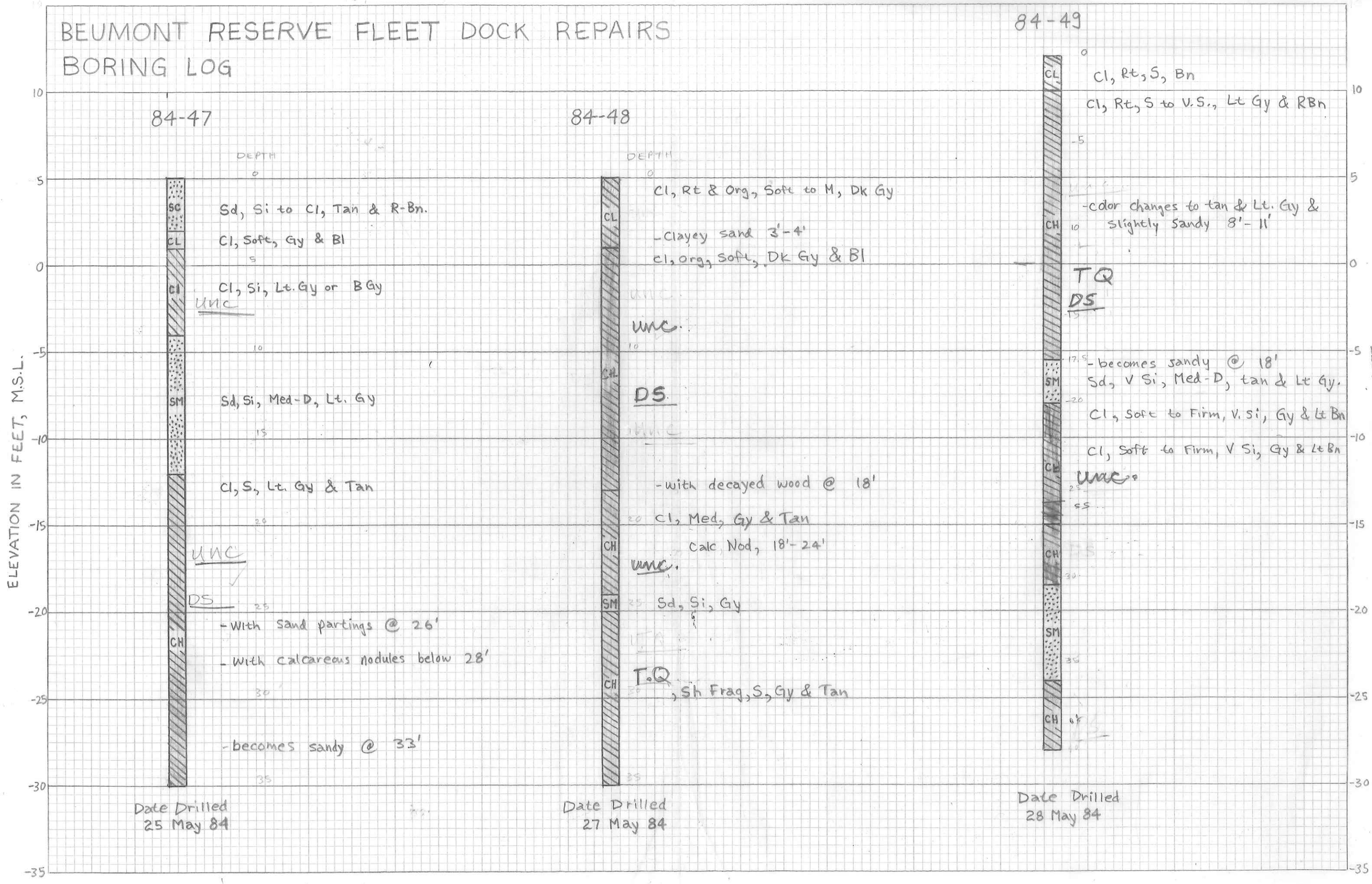


Keith J. Halla
8 JUNE 84

BEUMONT RESERVE FLEET DOCK REPAIRS
BORING LOG



PROJECT: REPAIRS TO BEAUMONT RESERVE FLEET DOCKS

TEST ASSIGNMENT SHEET

CONTRACT NO: DACW64-84-D-0002
DELIVERY ORDER NO. 0019
DATE: 13 JUNE 1984
ASSIGNED BY: KJH

BORING NO.	SAMPLE NO.	SAMPLE DEPTH	Visual Classification (0015)	Moisture Content Test (0016)	Unit Dry Weight Test (0017)	Unit Wet Weight Test (0018)	Specific Gravity of Solids Test (0019)	Liquid Limit Test (0020)	Plastic Limit Test (0021)	Bar Linear Shrinkage (0022)	Abbreviated Mechanical Analysis Test (0023)	Complete Mechanical Analysis Test (0024)	Hydrometer Analysis Test (0025)	Standard Compaction Test (0026)	Modified Compaction Test (0027)	Falling Head Permeability Test (0028)	Constant Head Permeability Test (0029)	Consolidation Test (0030)	Triaxial Compression Q Test (0031)	Triaxial Compression R Test (0032)	Unconfined Compression Test (0033)	Direct Shear (S) Test (0034)	Torvane Shear (0035)	Soil Salinity (0036)	Remarks
84-48	1	0-2	✓	✓	✓			✓	✓		✓														
	2	2-4	✓	✓																					
	3	4-6	✓	✓																					
	4	6-8	✓	✓																					
	5	8-10	✓	✓	✓			✓	✓		✓											✓			
	6	10-12	✓	✓																					
	7	12-14	✓	✓	✓			✓	✓		✓									✓					
	8	14-16	✓	✓																					
	9	16-18	✓	✓																					
	10	18-20	✓	✓																		✓			
	11	20-22	✓	✓	✓			✓	✓		✓														
	12	22-24	✓	✓																					
	13	24-26	✓	✓																					
	14	26-28	✓	✓	✓			✓	✓		✓														
	15	28-30	✓	✓																					
	16	30-32	✓	✓	✓			✓	✓		✓											✓			
	17	33-35	✓	✓																					