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. 84-47 Type of Boring Undisturbed Sample Surface Ele. Exist. Grade Date 5-25-84

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 10 ft.

1. Time 5/28 Depth 3 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	Tan & reddish-brown silty to clayey sand fill
▽	2	Quart				PP 1.5	Soft dark gray & black clay
5	3	Quart				PP 1.5	Firm tan, light gray & blue-gray silty clay
	4	Quart				PP 1.5	
	5	Quart				PP 1.5	
10	6	Jar	7	8	8		Medium-dense light gray silty fine sand
15	7	Jar	8	10	11		
							Stiff light gray & tan clay
20	8	Jar	5	7	9		
	9	Quart				PP 3.00	
	10	Quart				PP 2.75	
25	11	Quart				PP 2.75	
	12	Quart				PP 2.50	-with sand partings @ 26'
30	13	Quart				PP 2.50	-with calcareous nodules below 28'
	14	Quart				PP 2.75	
	15	Quart				PP 3.00	-becomes sandy @ 33'
35							
							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
84-47	0-2	Brown and gray silty fine sand with roots SM	23													
	2-4	Dark gray clay with sand pockets Medium (CL)	31	93	45	18	27						100	100	100	84
	4-6	Gray and tan silty clay Medium (CL)	48													
	6-8	Soft gray and tan silty clay Medium (CL)	30	92	42	17	25		0.41	14.5	0	Bulge	100	100	100	98
	8-10	Light gray and tan very sandy clay, slightly silty Medium (CL)	26													
	10-11.5	Light gray silty fine sand Dense (SM)	30													
	13.5-15	Light gray and tan silty fine sand Dense (SM)	27										100	100	100	28
	18.5-20	Tan and light gray clay v/stiff (CH)	41													
	20-22	Tan and light gray clay, slickensided v/stiff (CH)	45													
	22-24	Stiff tan and light gray clay, slickensided v/stiff (CH)	40	81	88	23	65		1.36	2.8	0	Shear	100	100	100	100
	24-26	Tan and light gray clay with sand pockets v/stiff (CH)	33	86	75	25	50		Direct Shear (see page B-7)				100	100	100	90
	26-28	Tan and light gray clay with sand pockets and partings v/stiff CH	26													

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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
84-47	28-30	Tan and light gray clay, slickensided, with ferrous and calcareous nodules v/stiff (CH)	32													
	30-32	Tan and light gray clay with calcareous nodules v/stiff (CH)	26													
	33-35	Tan and blue-gray sandy clay v/stiff (CH)	20													

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K+E 20 X 20 TO THE INCH • 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.
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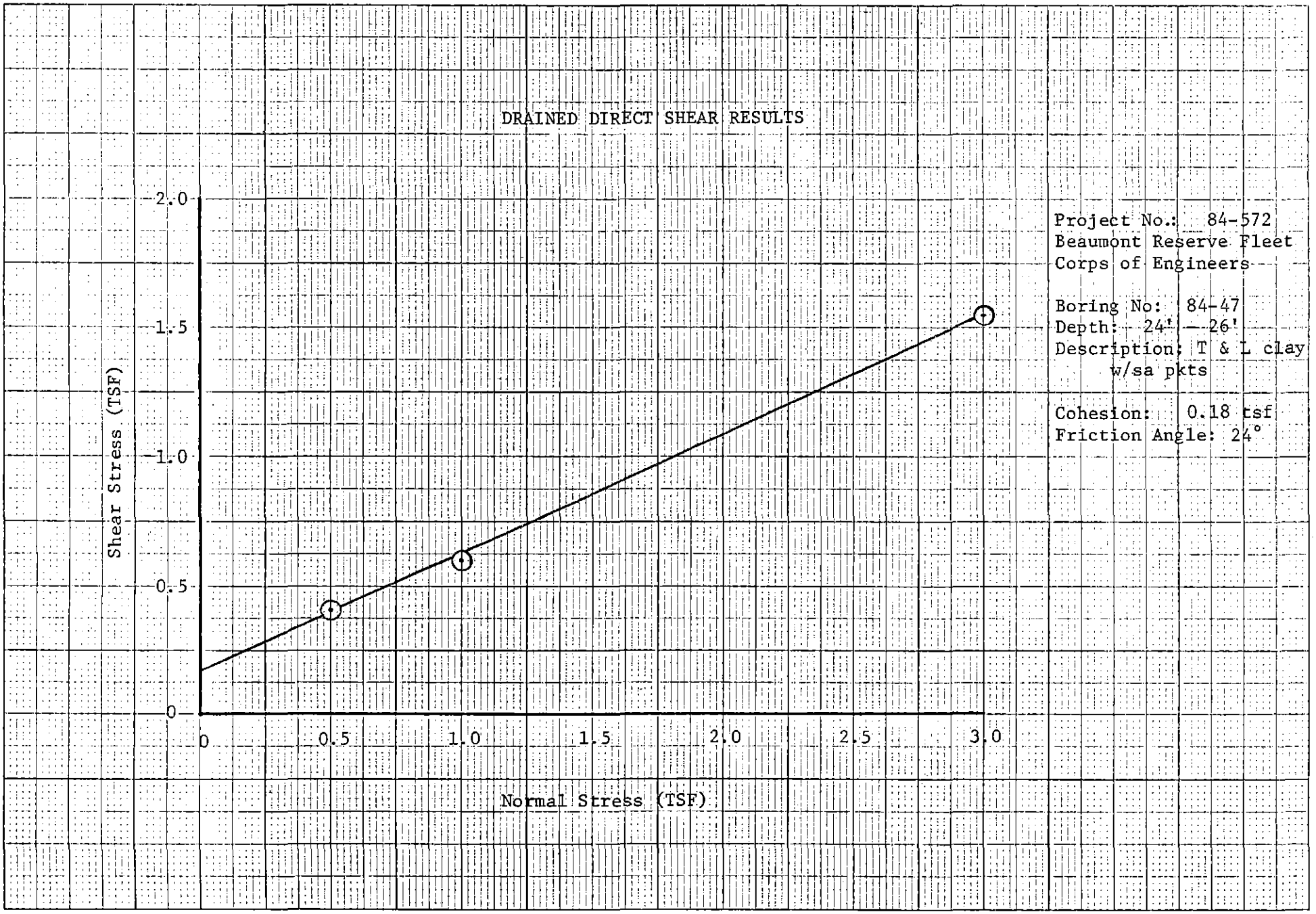
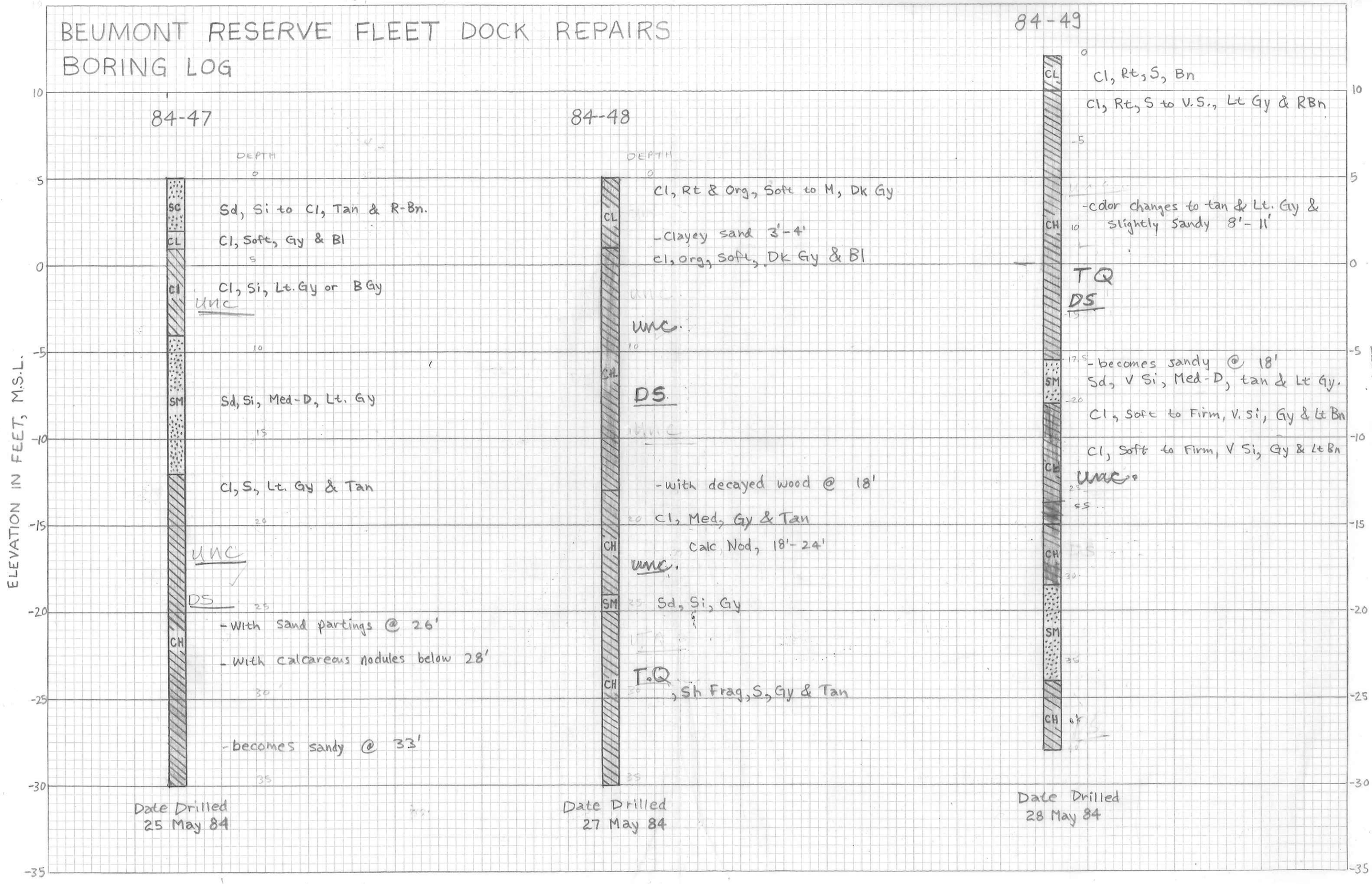


Keith J. Halla
8 JUNE 84

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)	Drained (S) Direct Shear (0033)	Unconfined Compression Test (0034)	Torvane Shear (0035)	Soil Salinity (0036)	Remarks
84-47	1	0-2	✓	✓																					
	2	2-4	✓	✓	✓			✓	✓		✓														
	3	4-6	✓	✓																					
	4	6-8	✓	✓	✓			✓	✓		✓										✓				
	5	8-10	✓	✓																					
	6	10-11.5	✓	✓																					
	7	13.5-15	✓	✓							✓														
	8	18.5-20	✓	✓																					
	9	20-22	✓	✓																					
	10	22-24	✓	✓	✓			✓	✓		✓										✓				
	11	24-26	✓	✓	✓			✓	✓		✓									✓					
	12	26-28	✓	✓																					
	13	28-30	✓	✓																					
	14	30-32	✓	✓																					
	15	33-35	✓	✓																					