

DRILLING LOG		HUMISTON & MOORE ENGINEERS		INSTALLATION		SHEET 6 OF 12 SHEETS	
1. PROJECT KNIGHT ISLAND BEACH NOURISHMENT				10. SIZE AND TYPE OF BIT 2.5 INCHES			
2. LOCATION CHARLOTTE COUNTY, FLORIDA				11. DATUM FOR ELEVATION SHOWN NGVD			
3. DRILLING AGENCY EXMAR				12. MANUFACTURERS DESIGNATION OF DRILL VIBRACORE			
4. HOLE NO. 4B				13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED NA	UNDISTURBED NA
5. NAME OF DRILLER MIKE CLARK				14. TOTAL NUMBER OF CORE BOXES (SECTIONS) 2			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED _____ DEG. FROM VERT.				15. ELEVATION OF GROUND WATER TIDAL			
7. THICKNESS OF OVERBURDEN NA				16. DATE HOLE		STARTED 9/19/93	FINISHED 9/19/93
8. DEPTH DRILLED INTO ROCK NONE				17. ELEVATION TOP OF HOLE -6.7 FEET NGVD			
9. TOTAL DEPTH OF HOLE 11 FEET				18. TOTAL CORE RECOVERY FOR BORING 6.4 FEET			
				19. SIGNATURE OF INSPECTOR			

ELEVATION (Feet)	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOV- ERY	BOX OR SAMPLE NO.	REMARKS
a	b	c	d	e	f	g
	1					
	2					
	3					
	4					
-11.2						JETTED TO EL. -11.2
-11.7	5		FINE QUARTZ SAND, (SP), LT. GRAY, TR. SHELL AND SILT			
			COARSE TO FINE SAND, (SW), AND SHELL HASH			
	6					
	7		FINE QUARTZ SAND, (SP), LT. GRAY, TRACE OF SILT AND SHELL			
	8					
	9					
-16.1						
	10		FINE QUARTZ SAND, (SP), DARK GRAY, TRACE SILT AND SHELL		4B-1	EL. = -16.5
-17.6	11					
						VIBRATED TO EL. -17.7
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					

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REPORT OF GRAINSIZE ANALYSIS WITH WASH 200 AND WATER CONTENT

CLIENT: Humiston, Moore Engineers

DATE: October 20, 1993

PROJECT: Knight Island Beach Restoration Project

TECHNICIAN: SC

LAB NUMBER: 76-611005-01

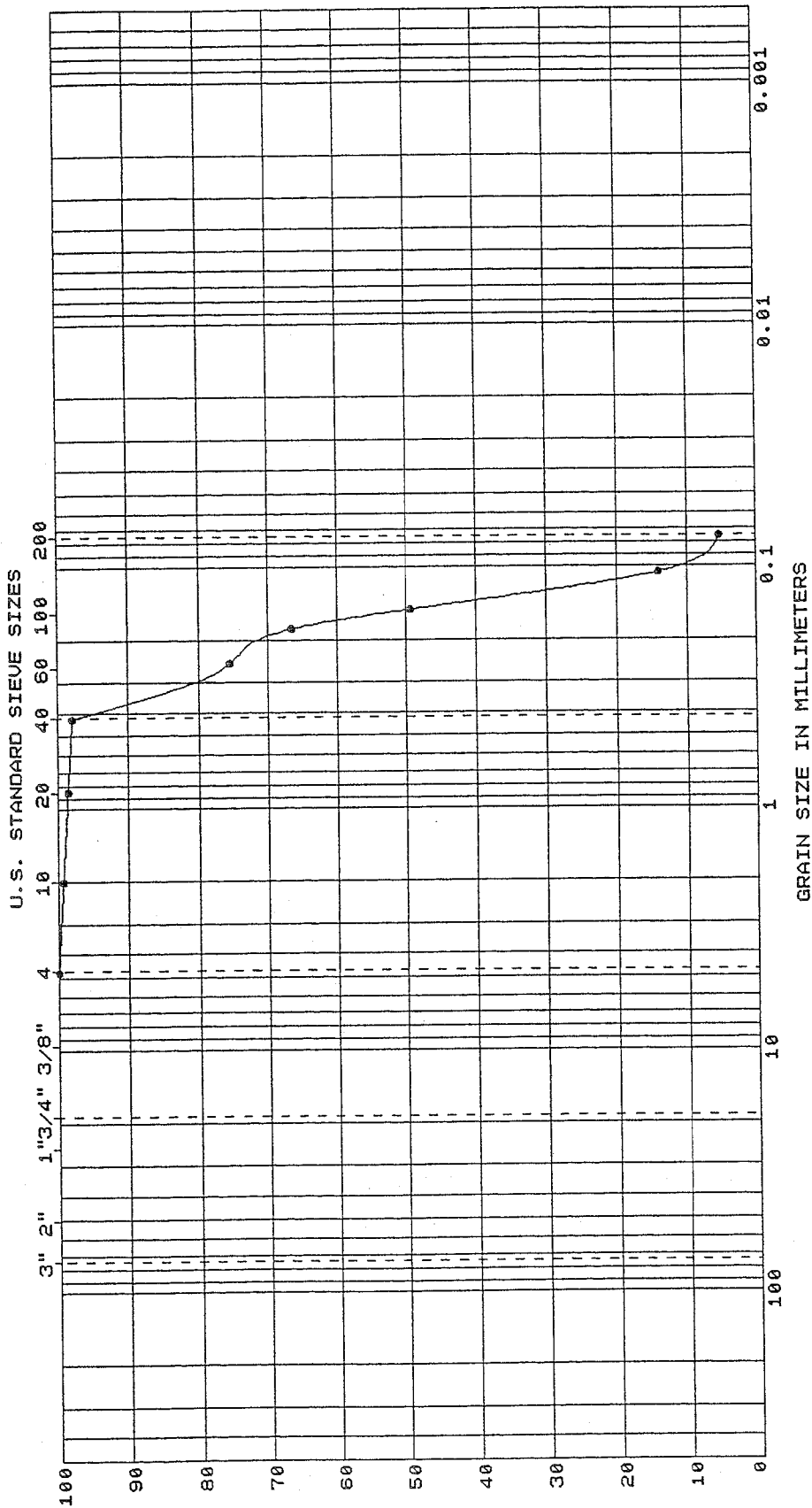
BORING NUMBER: 4B

SAMPLE NUMBER: 1

Sample Description: Gray slightly silty fine SAND

SIEVE NO.	WEIGHT RETAINED	% RETAINED	% PASSING
1 in.	0.0	0.0	100.0
3/4 in.	0.0	0.0	100.0
1/2 in.	0.0	0.0	100.0
3/8 in.	0.0	0.0	100.0
4	0.3	0.1	99.9
10	2.2	0.8	99.2
20	4.1	1.5	98.5
40	5.8	2.1	97.9
60	68.4	24.6	75.4
80	92.8	33.4	66.6
100	140.9	50.7	49.3
140	238.8	85.9	14.1
200	263.4	94.7	5.3

Boul ders	COBBLES		GRAVEL		SAND			FINES	
	Coarse	Fine	Coarse	Fine	Coarse	Medium	Fine	Silt Sizes	Clay Sizes



PERCENT FINER BY WEIGHT

DESCRIPTION				
DEPTH	NAT WC	LL	PL	PI
0.0				
Gray slightly silty fine sand				

GRAIN SIZE DISTRIBUTION	
SAMPLE 1	
BORING NUMBER	4B
PROJECT NUMBER	76-611005-01
PROJECT	KNIGHT ISLAND BEACH RESTORATION
LAW ENGINEERING	