

DRILLING LOG		HUMISTON & MOORE ENGINEERS		INSTALLATION		SHEET 2 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. 2				13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED NA	
						UNDISTURBED NA	
5. NAME OF DRILLER MIKE CLARK				14. TOTAL NUMBER OF CORE BOXES (SECTIONS) 3			
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 9/18/93 FINISHED 9/18/93			
8. DEPTH DRILLED INTO ROCK NONE				17. ELEVATION TOP OF HOLE -6.0 FEET NGVD			
9. TOTAL DEPTH OF HOLE 11 FEET				18. TOTAL CORE RECOVERY FOR BORING 10.9 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		FINE QUARTZ SAND (SP), GRAY WITH TRACES OF SILT, SHELL AND ORGANICS				
	2					2-1	EL. = -8.0
	3						
	4						
	5						
	6					2-2	EL. = -12.0
	7						
-14.5	8						
	9		SILTY FINE SAND (ML)				
	10		SHELLY SILTY SAND (SP)			2-3	EL. = -16.0
-16.0	11						
	12						
	13						
	14						
	15						
	16						
	17						
	18						
	19						

LAW ENGINEERING
3627 PROGRESS AVENUE
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(813) 643-4747

REPORT OF GRAINSIZE ANALYSIS WITH WASH 200 AND WATER CONTENT

CLIENT: Humiston, Moore Engineers

DATE: October 20, 1993

OBJECT: Knight Island Beach Restoration Project

TECHNICIAN: SC

B NUMBER: 76-611005-01

BORING NUMBER: 2

SAMPLE NUMBER: 1

Sample Description: Gray 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	0.0	0.0	100.0
10	0.2	0.1	99.9
20	0.50	0.2	99.8
40	0.9	0.3	99.7
60	2.5	0.9	99.1
80	18.4	6.7	93.3
100	107.6	39.3	60.7
140	246.0	89.9	10.1
200	268.7	98.2	1.8

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TECHNICIAN: SC

JOB NUMBER: 76-611005-01

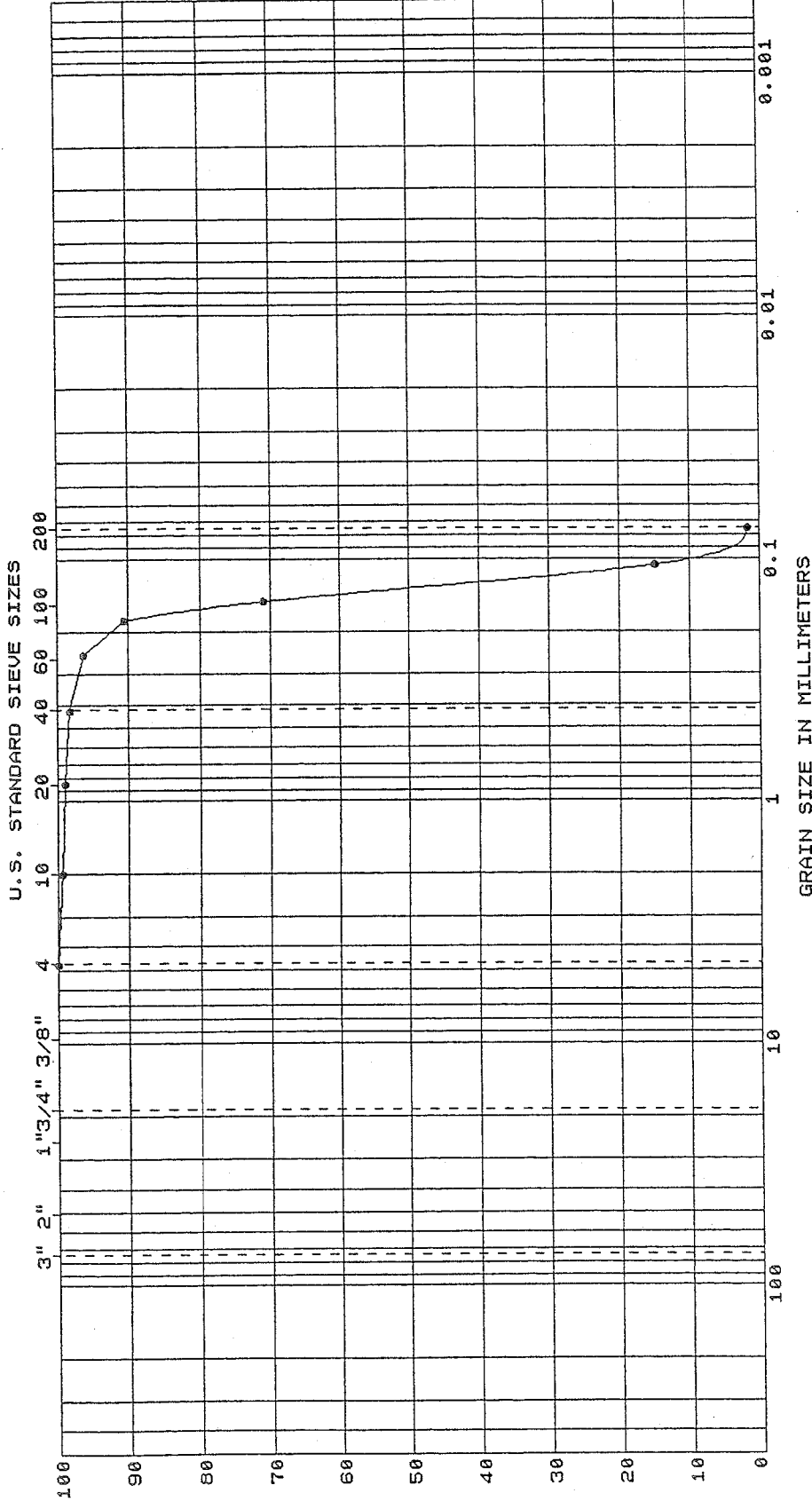
BORING NUMBER: 2

SAMPLE NUMBER: 2

Sample Description: Gray fine SAND

<i>SIEVE NO.</i>	<i>WEIGHT RETAINED</i>	<i>% RETAINED</i>	<i>% PASSING</i>
<i>1 in.</i>	<i>0.0</i>	<i>0.0</i>	<i>100.0</i>
<i>3/4 in.</i>	<i>0.0</i>	<i>0.0</i>	<i>100.0</i>
<i>1/2 in.</i>	<i>0.0</i>	<i>0.0</i>	<i>100.0</i>
<i>3/8 in.</i>	<i>0.0</i>	<i>0.0</i>	<i>100.0</i>
<i>4</i>	<i>0.2</i>	<i>0.1</i>	<i>99.9</i>
<i>10</i>	<i>1.5</i>	<i>0.7</i>	<i>99.3</i>
<i>20</i>	<i>2.6</i>	<i>1.1</i>	<i>98.9</i>
<i>40</i>	<i>4.0</i>	<i>1.8</i>	<i>98.2</i>
<i>60</i>	<i>8.3</i>	<i>3.7</i>	<i>96.3</i>
<i>80</i>	<i>21.4</i>	<i>9.5</i>	<i>90.5</i>
<i>100</i>	<i>65.7</i>	<i>29.1</i>	<i>70.9</i>
<i>140</i>	<i>192.2</i>	<i>85.0</i>	<i>15.0</i>
<i>200</i>	<i>222.3</i>	<i>98.3</i>	<i>1.7</i>

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



PERCENT FINER BY WEIGHT

DEPTH		NAT WC		LL	PL	PI	DESCRIPTION
0.0							Gray fine SAND

GRAIN SIZE DISTRIBUTION	
BORING NUMBER	SAMPLE 2
PROJECT NUMBER	76-611005-01
PROJECT	KNIGHT ISLAND BEACH RESTORATION
LAW ENGINEERING	

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DATE: October 20, 1993

PROJECT: Knight Island Beach Restoration Project

TECHNICIAN: SC

JOB NUMBER: 76-611005-01

BORING NUMBER: 2

SAMPLE NUMBER: 3

Sample Description: Gray slightly silty fine SAND, trace shell fragments

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.	3.8	1.5	98.5
3/8 in.	6.2	2.4	97.6
4	16.3	6.2	93.8
10	37.4	14.3	85.7
20	83.1	31.8	68.2
40	118.2	45.2	54.8
60	153.5	58.7	41.3
80	162.8	62.2	37.8
100	171.2	65.4	34.6
140	212.6	81.2	18.8
200	237.2	90.6	9.4

