

DRILLING LOG		HUMISTON & MOORE ENGINEERS		INSTALLATION		SHEET 8 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. 6				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 9/19/93	FINISHED
8. DEPTH DRILLED INTO ROCK NONE				17. ELEVATION TOP OF HOLE -7.8 FEET NGVD			
9. TOTAL DEPTH OF HOLE 12 FEET				18. TOTAL CORE RECOVERY FOR BORING 12 FEET			
				19. SIGNATURE OF INSPECTOR			

ELEVATION (Feet) a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS g
-8.3			FINE QUARTZ SAND, (SP), SILTY, GRAY			
	1		FINE QUARTZ SAND. (SP), GRAY			
	2					
	3					
	4					
	5					
-13.0			COARSE TO FINE SHELLY SAND (SW)			
-13.7			FINE QUARTZ SAND, (SP), GRAY			
	6		COARSE TO FINE SHELLY SAND (SW)		6-2	EL. = -14.3
	7					
	8					
-15.2						
	9		MEDIUM TO FINE QUARTZ SAND, (SW), TRACE SHELL AND SILT		6-3	EL. = -19.8
	10					
	11					
	12					
-19.8						
	13					
	14					
	15					
	16					
	17					
	18					
	19					

**LAW ENGINEERING
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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

JOB NUMBER: 76-611005-01

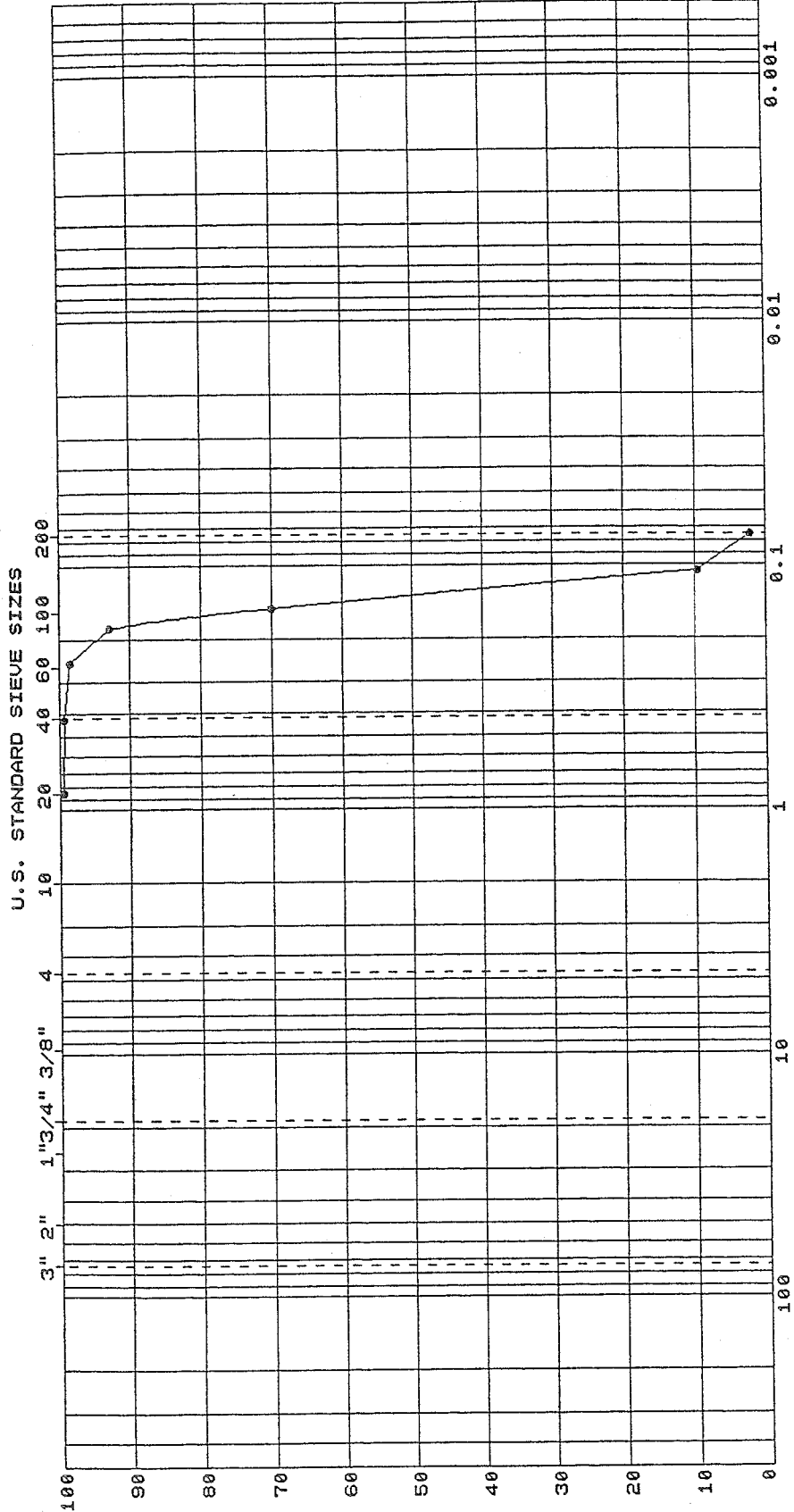
BORING NUMBER: 6

SAMPLE NUMBER: 1

Sample Description: Gray fine SAND

<i>SIEVE NO.</i>	<i>WEIGHT RETAINED</i>	<i>% RETAINED</i>	<i>% PASSING</i>
<i>1 in.</i>	0.0	0.0	100.0
<i>3/4 in.</i>	0.0	0.0	100.0
<i>1/2 in.</i>	0.0	0.0	100.0
<i>3/8 in.</i>	0.0	0.0	100.0
<i>4</i>	0.0	0.0	100.0
<i>10</i>	0.0	0.0	100.0
<i>20</i>	1.6	0.6	99.4
<i>40</i>	1.9	0.7	99.3
<i>60</i>	4.3	1.6	98.4
<i>80</i>	19.8	7.2	92.8
<i>100</i>	82.8	30.0	70.0
<i>140</i>	249.3	90.4	9.6
<i>200</i>	269.9	97.8	2.2

Boulders	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 1
PROJECT NUMBER	6
PROJECT	76-611005-01
	KNIGHT ISLAND BEACH RESTORATION
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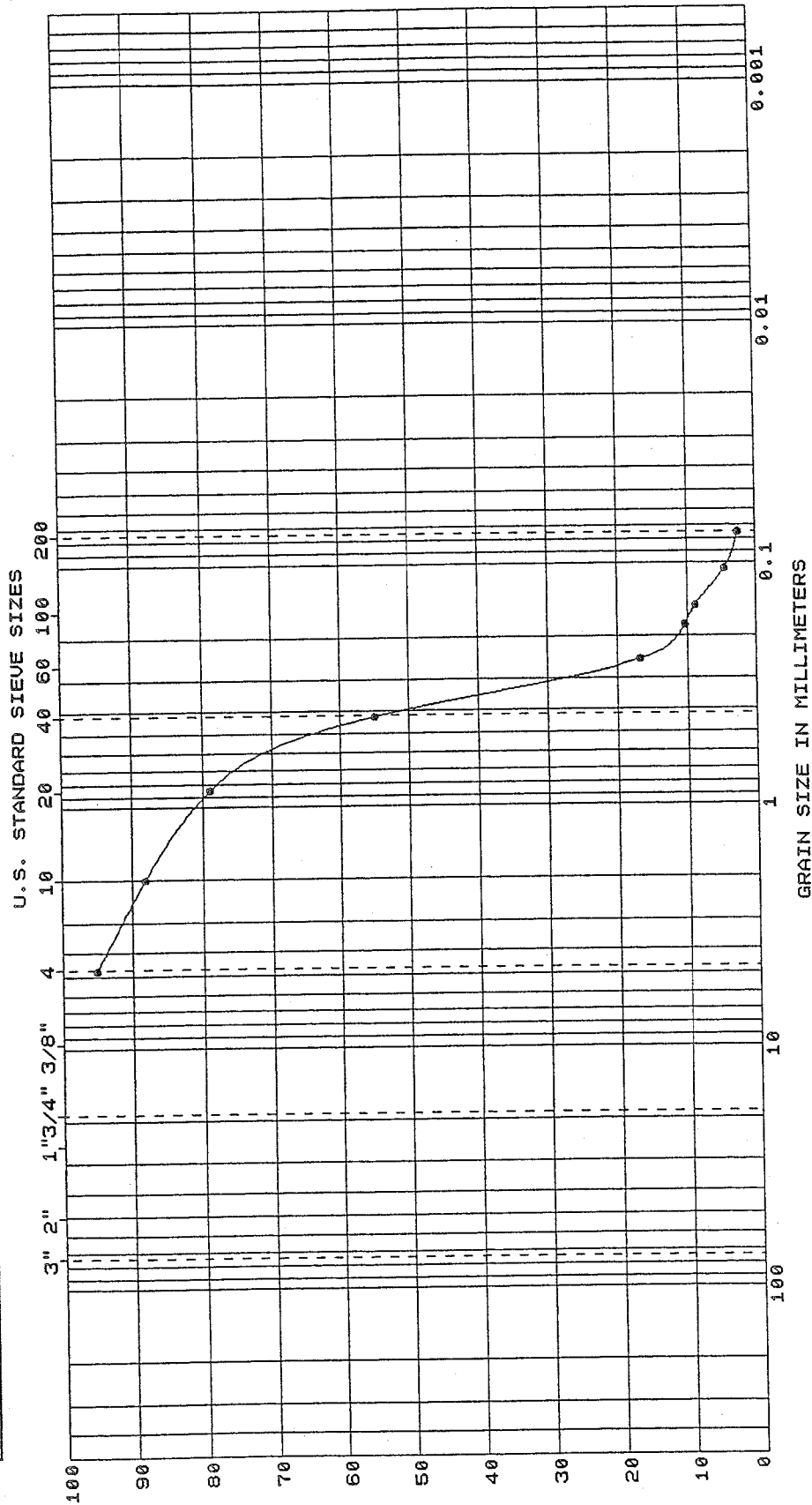
REPORT OF GRAINSIZE ANALYSIS WITH WASH 200 AND WATER CONTENT

CLIENT: Humiston, Moore Engineers **DATE:** October 22, 1993
PROJECT: Knight Island Beach Restoration Project **TECHNICIAN:** SC
B NUMBER: 76-611005-01 **BORING NUMBER:** 6 **SAMPLE NUMBER:** 2

Sample Description: Dark gray fine SAND

<i>SIEVE NO.</i>	<i>WEIGHT RETAINED</i>	<i>% RETAINED</i>	<i>% PASSING</i>
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.	5.5	1.9	98.1
4	14.1	4.9	95.1
10	33.9	11.9	88.1
20	60.3	21.1	78.9
40	128.2	45.0	55.0
60	237.4	83.2	16.8
80	255.6	89.6	10.4
100	260.2	91.2	8.8
140	272.4	95.5	4.5
200	278.1	97.5	2.5

Boulders	COBBLES		GRAVEL		SAND			FINES	
	Coarse	Fine	Coarse	Fine	Coarse	Medium	Fine	Silt Sizes	Clay Sizes



PERCENT FINER BY WEIGHT

DESCRIPTION					
DEPTH	NAT UC	LL	PL	PI	
0.0					Dark gray fine sand

GRAIN SIZE DISTRIBUTION	
BORING NUMBER	6
PROJECT NUMBER	76-611005-01
PROJECT	KNIGHT ISLAND BEACH RESTORATION
SAMPLE	2
LAW ENGINEERING	

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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

JOB NUMBER: 76-611005-01

BORING NUMBER: 6

SAMPLE NUMBER: 3

Sample Description: Dary 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	0.0	0.0	100.0
10	2.7	1.0	99.0
20	11.9	4.3	95.7
40	30.6	11.0	89.0
60	84.8	30.4	69.6
80	121.1	43.4	56.6
100	158.3	56.8	43.2
140	220.0	78.9	21.1
200	248.9	89.3	10.7

Boulders	GRAVEL		SAND			FINES	
	Coarse	Fine	Coarse	Medium	Fine	Silt Sizes	Clay Sizes

U.S. STANDARD SIEVE SIZES

