

GRADATION ANALYSIS REPORT
VERO BEACH VIBRACORE SAMPLES

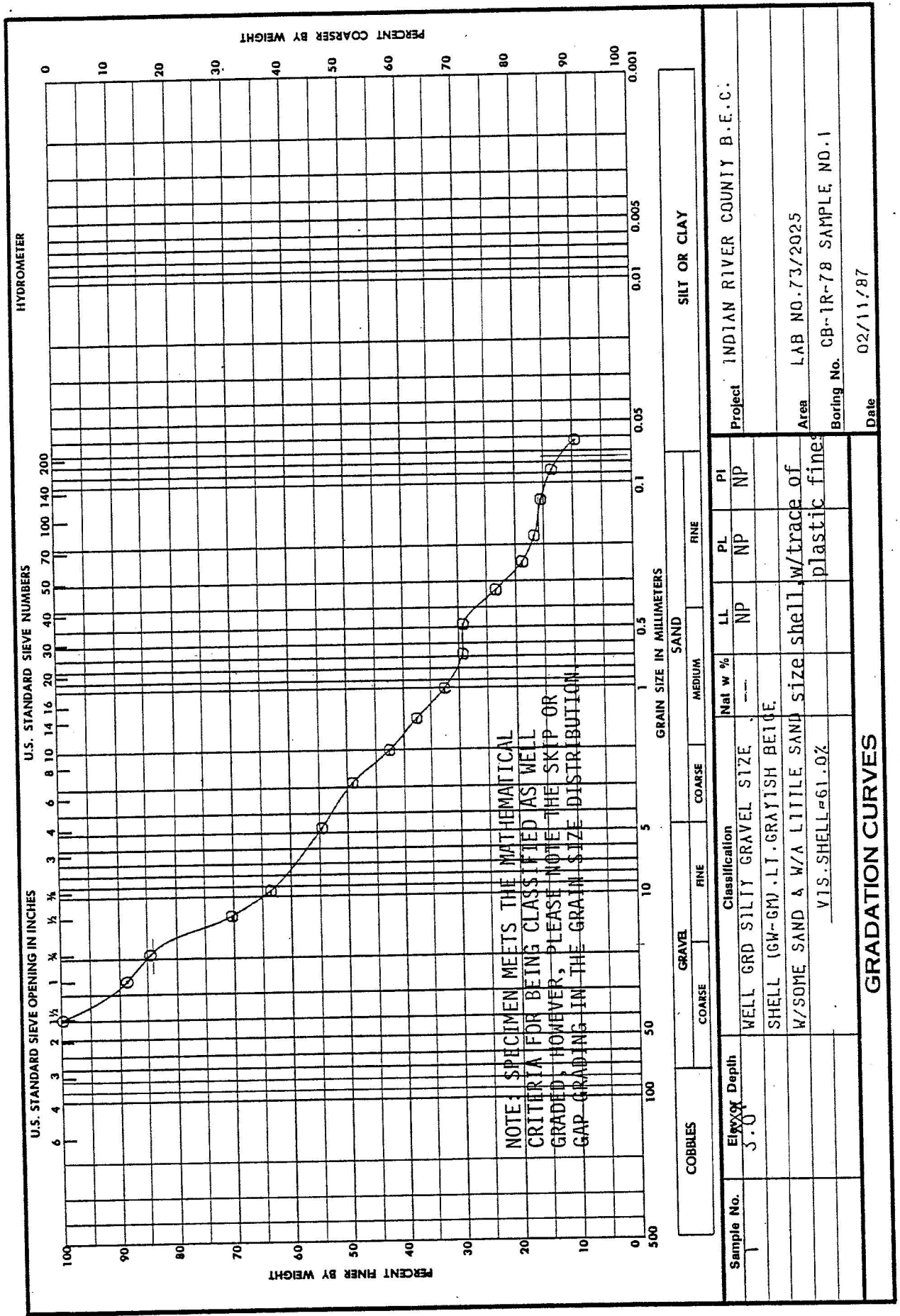
FOR: X SOIL CLASSIFICATION X CORING SAMPLES BEACH SAMPLES CONCRETE AGGREGATE

ENVIRONMENTAL STATION			NATURAL SOIL			FILL SAMPLES			PIT SAMPLES		
DATE:			11/23/88			11/23/88					
CORE #			78 @ 0-1.3'			81 @ 8'					
Footnote:			2			2					
U.S.C.S.											
DESCRIPTION			SM-SC			SP					
DRY WT. (GRAMS)			92.63			230.62					
DRY WT AFTER WASH			81.19			213.51					
THROUGH #200 SIEVE											
SIEVE	PHI	MESH									
SIZE	SIZE	SIZE	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS			
5	-2.00	4.0mm	2.91			4.71					
7	-1.50	2.8mm	2.21	2.84	97.16	4.12	1.93	98.07			
10	-1.00	2.0mm	7.71	9.92	90.08	13.17	6.17	93.83			
14	-0.50	1.4mm	11.52	14.82	85.18	19.90	9.55	90.45			
18	0.00	1.0mm	16.92	21.77	78.23	30.45	14.62	85.38			
25	0.50	.71mm	20.71	26.65	73.35	44.91	21.56	78.44			
35	1.00	.50mm	29.21	37.59	62.41	70.93	34.05	65.95			
45	1.50	.355mm	44.12	56.78	43.22	138.21	66.35	33.65			
60	2.00	.250mm	56.71	72.98	27.02	174.34	83.69	16.31			
80	2.50	.180mm	63.25	81.39	18.61	196.04	94.11	5.89			
120	3.00	.125mm	67.29	86.59	13.41	202.03	96.98	3.02			
170	3.50	.090mm	75.24	96.82	3.18	205.87	98.82	1.18			
200	3.75	.075mm	76.50	98.44	1.56	207.26	99.49	0.51			
230	4.00	.063mm	77.67	99.95	0.05	208.07	99.88	0.12			
PAN	5.00		77.71			208.32					
SIEVE LOSS			0.57			0.48					
WEIGHTED AVE(mm)			0.365			0.390					
SILT CLAY%			13.66			7.88					

- Footnote: 1 Sample taken from portion of vibracore not analyzed by Corps, but corresponding to Corps sample.
- 2 Sample taken from portion of vibracore not analyzed by Corps.
- 3 Washed sample; analyzed by Corps, re-analyzed by Gilloti, Frione & Assoc., Inc.

W.O. No. 4606
Req. No. RM-CW-85-Q111

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