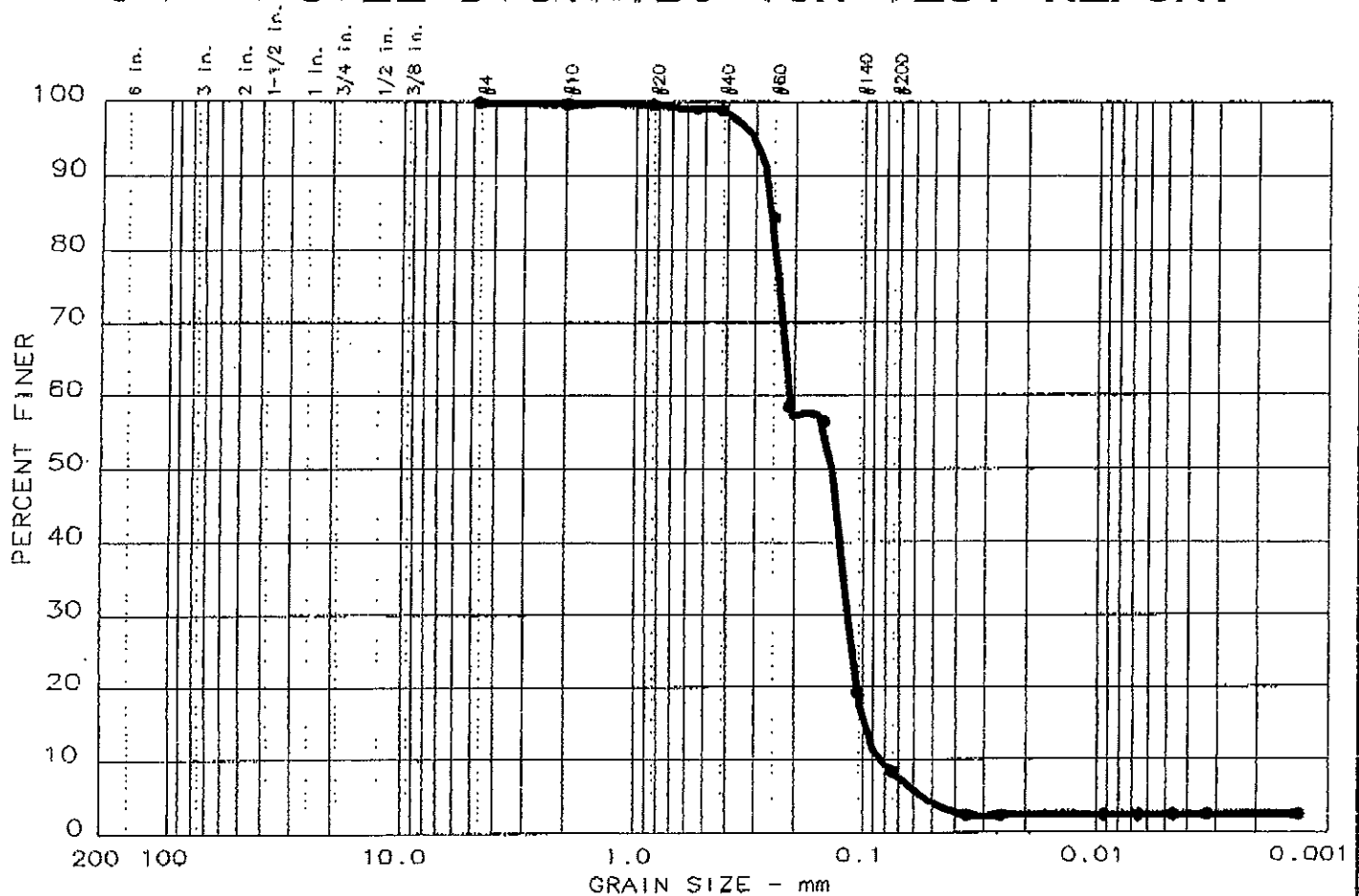


GRAIN SIZE DISTRIBUTION TEST REPORT



Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
• 12	0.0	0.2	91.4	6.0	2.4

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
•		0.25	0.22	0.14	0.117	0.0998	0.0830	0.76	2.6

MATERIAL DESCRIPTION	USCS	AASHTO
• SAND		

Project No.: 16623-04
 Project: USACE-CORPUS CHRISTI
 • Location: CC-R-00-GS130

Date: 03/27/00

GRAIN SIZE DISTRIBUTION TEST REPORT
ANACON, INC.

Remarks:

Station 130+00

Figure No. _____

Date: 03/27/00

Project No.: 16623-04

Project: USACE-CORPUS CHRISTI

Sample Data

Location of Sample: CC-R-00-GS130

Sample Description: SAND

USCS Class:

Liquid limit:

AASHTO Class:

Plasticity index:

Notes

Remarks:

Fig. No.:

Mechanical Analysis Data

Initial

Dry sample and tare= 81.41

Tare = 0.00

Dry sample weight = 81.41

Sieve tare method

Sieve	Weight retained	Sieve tare	Percent finer
# 4	0.14	0.00	99.8
# 10	0.13	0.00	99.7
# 20	0.09	0.00	99.6
# 40	0.58	0.00	98.8
# 60	11.82	0.00	84.3
# 70	21.02	0.00	58.5
# 100	1.68	0.00	56.4
# 140	30.27	0.00	19.3
# 200	8.85	0.00	8.4

Hydrometer Analysis Data

operation sieve is number 10

percent -# 10 based on complete sample= 99.7

weight of hydrometer sample: 81.41

calculated biased weight= 81.68

automatic temperature correction

Composite correction at 20 deg C = -2.5

meniscus correction only= 1

specific gravity of solids= 2.63

specific gravity correction factor= 1.005

Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
2.0	25.5	3.0	2.0	0.0128	4.0	15.6	0.0359	2.4
4.0	25.5	3.0	2.0	0.0128	4.0	15.6	0.0254	2.4
30.0	25.5	3.0	2.0	0.0128	4.0	15.6	0.0093	2.4
60.0	25.5	3.0	2.0	0.0128	4.0	15.6	0.0066	2.4
120.0	25.5	3.0	2.0	0.0128	4.0	15.6	0.0046	2.4
240.0	25.5	3.0	2.0	0.0128	4.0	15.6	0.0033	2.4
1440.0	25.5	3.0	2.0	0.0128	4.0	15.6	0.0013	2.4

Fractional Components

Gravel/Sand based on #4 sieve

Sand/Fines based on #200 sieve

% + 3 in. = 0.0 % GRAVEL = 0.2 % SAND = 91.4

% SILT = 6.0 % CLAY = 2.4

D85 = 0.25 D60 = 0.215 D50 = 0.137

D30 = 0.1167 D15 = 0.09977 D10 = 0.08299

Cc = 0.7630 Cu = 2.5912

WATER QUALITY DATA

Page 2 of 2

Project: **Corpus Christi Ship Channel - Rincon Canal**EHA Job #: **DO 0028**Date(s) Collected: 03/23/2000Tide, MLT: HighWind Direction: SSEWind Speed: 20-25 mph, gustyWeather and Water Conditions: Cloudy, rough, white caps, waves 2-3'

Sample Number	CC-R-00-GS130*	CC-R-00-03B	CC-R-00-GS145*	CC-R-00-GS150*	CC-RA-00-01A	CC-RA-00-01B	CC-RA-00-02	CC-RA-00-02A	
Station	130+00	140+00	145+00	150+00	10+00	30+00	50+00	68+00	
Distance From C _L (Ft.)	25' SW	25' NE	25' NE	0	0	0	0	0	
Water Depth MLT (Ft.)	6	6	12	15	12	14.5	14	14	
DO (mg/L)	7.13	6.95	6.88	6.68	6.74	6.40	5.85	6.26	
pH	8.1	8.07	8.08	8.08	8.08	8.11	8.1	8.02	
Salinity (‰)	33.41	33.32	33.09	33.16	33.26	33.49	33.65	33.38	
Water Temp. (°C)	22.46	22.53	22.13	22.23	22.1	22.04	22.09	20.96	
Air Temp. (°C)	73	73	73	73	73	72	72	72	
Lat	27 50 12.3	27 50 25.15	27 50 27.52	27 50 30.09	27 50 27.24	27 50 09.45	27 49 51.23	27 49 39.3	
Long	97 22 27.5	97 22 38.71	97 22 40.64	97 22 43.31	97 22 54.82	97 23 07.53	97 23 15.72	97 23 28.7	
Time	1300	1230	1200	1150	1109	1056	1030	1007	

REMARKS: *Sediment for Grain-Size analysis only.