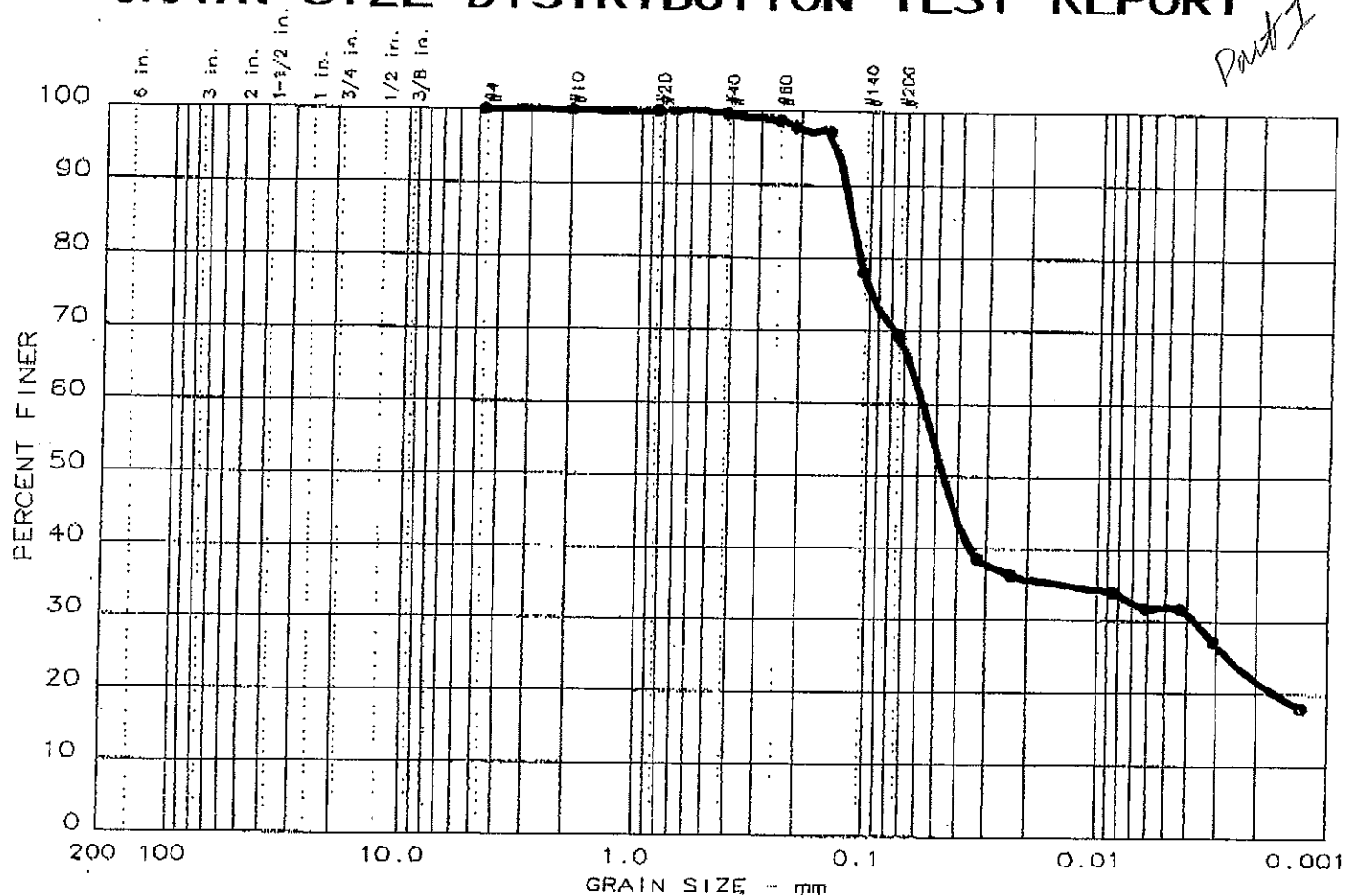


GRAIN SIZE DISTRIBUTION TEST REPORT

Part I


Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
• 14	0.0	0.0	30.5	37.6	31.9

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
•		0.12		0.05	0.004				

MATERIAL DESCRIPTION	USCS	AASHTO
• SEDIMENT		

Project No.: 16623-06 Project: USACE-CORPUS CHRISTI • Location: CC-A-00-GS150 Date: 03/27/00	Remarks: Station 150+00 Figure No. _____
GRAIN SIZE DISTRIBUTION TEST REPORT ANACON, INC.	

Date: 03/27/00
Project No.: 16623-06
Project: USACE-CORPUS CHRISTI

Sample Data

Location of Sample: CC-A-00-GS150
Sample Description: SEDIMENT
USCS Class: Liquid limit:
AASHTO Class: Plasticity index:

Notes

Remarks:

Fig. No.:

Mechanical Analysis Data

Initial
Dry sample and tare= 44.19
Tare = 0.00
Dry sample weight = 44.19
Sieve tare method

Sieve	Weight retained	Sieve tare	Percent finer
# 4	0.00	0.00	100.0
# 10	0.00	0.00	100.0
# 20	0.03	0.00	99.9
# 40	0.11	0.00	99.7
# 60	0.39	0.00	98.8
# 70	0.39	0.00	97.9
# 100	0.29	0.00	97.3
# 140	8.46	0.00	78.1
# 200	3.80	0.00	69.5

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 100.0
Weight of hydrometer sample: 44.19
Calculated biased weight= 44.19
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	18.0	17.0	0.0128	19.0	13.2	0.0330	38.5
4.0	25.5	17.0	16.0	0.0128	18.0	13.3	0.0235	36.3
30.0	25.5	16.0	15.0	0.0128	17.0	13.5	0.0086	34.0
60.0	25.5	15.0	14.0	0.0128	16.0	13.7	0.0061	31.7
120.0	25.5	15.0	14.0	0.0128	16.0	13.7	0.0043	31.7
240.0	25.5	13.0	12.0	0.0128	14.0	14.0	0.0031	27.2
1440.0	25.5	9.0	8.0	0.0128	10.0	14.7	0.0013	18.1

Fractional Components

Gravel/Sand based on #4 sieve

Sand/Fines based on #200 sieve

% + 3 in. = 0.0 % GRAVEL = 0.0 % SAND = 30.5

% SILT = 37.6 % CLAY = 31.9

D85= 0.12 D60= 0.057 D50= 0.046

D30= 0.0037

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.