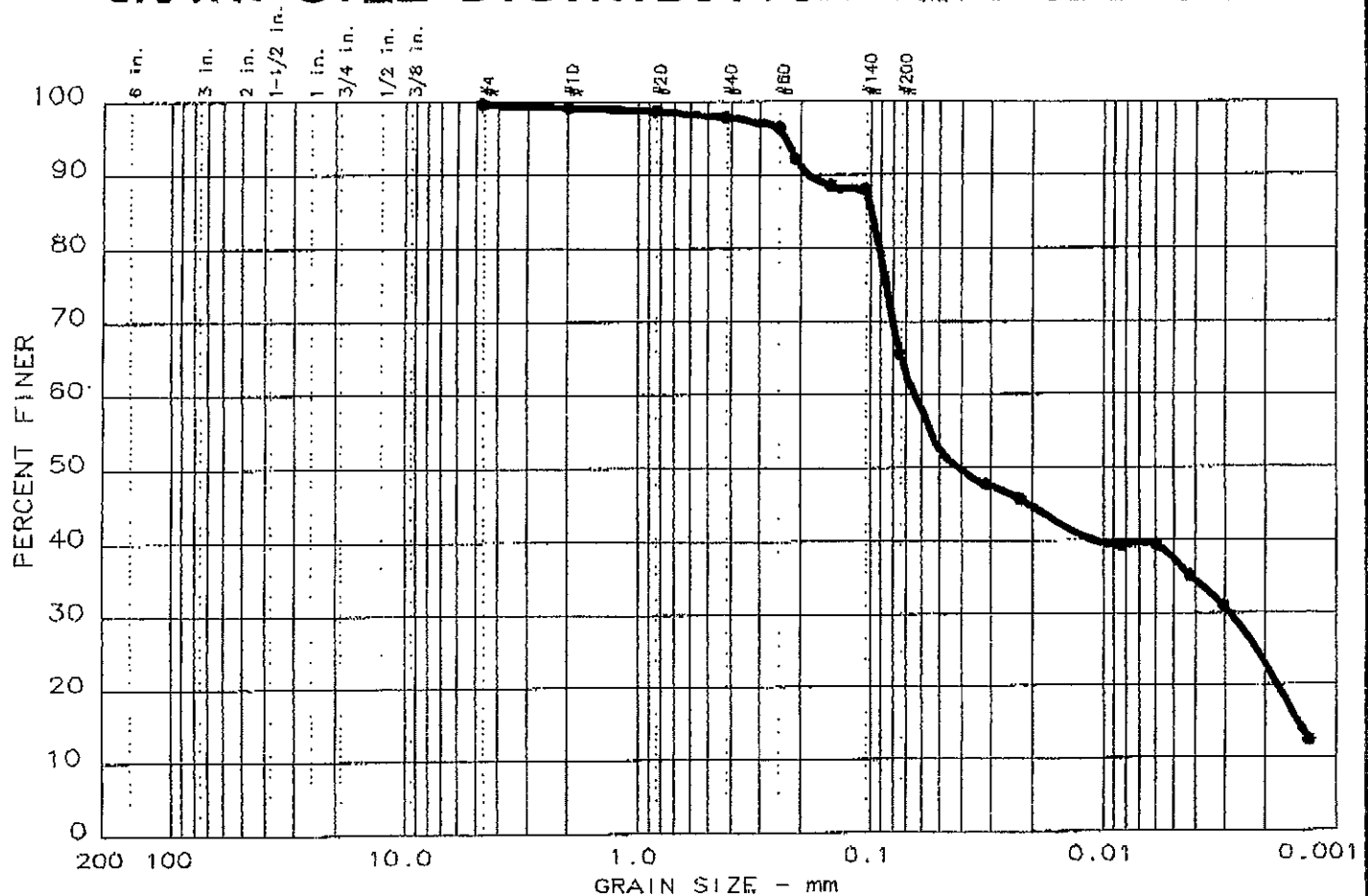


GRAIN SIZE DISTRIBUTION TEST REPORT



Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
• 13	0.0	0.3	34.0	28.2	37.5

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
•		0.10		0.04	0.003	0.0014			

MATERIAL DESCRIPTION	USCS	AASHTO
• SEDIMENT		

Project No.: 16623-05
 Project: USACE-CORPUS CHRISTI
 • Location: CC-R-00--GS145

Date: 03/27/00

GRAIN SIZE DISTRIBUTION TEST REPORT

ANACON, INC.

Remarks:

station 145700

Figure No. _____

Date: 03/27/00

Project No.: 16623-05

Project: USACE-CORPUS CHRISTI

Sample Data

Location of Sample: CC-R-00--GS145

Sample Description: SEDIMENT

USCS Class:

Liquid limit:

AASHTO Class:

Plasticity index:

Notes

Remarks:

Fig. No.:

Mechanical Analysis Data

Initial

Dry sample and tare= 47.97

Tare = 0.00

Dry sample weight = 47.97

Sieve tare method

Sieve	Weight retained	Sieve tare	Percent finer
# 4	0.16	0.00	99.7
# 10	0.24	0.00	99.2
# 20	0.24	0.00	98.7
# 40	0.38	0.00	97.9
# 60	0.68	0.00	96.5
# 70	2.05	0.00	92.2
# 100	1.72	0.00	88.6
# 140	0.24	0.00	88.1
# 200	10.74	0.00	65.7

Hydrometer Analysis Data

Separation sieve is number 10

Percent -# 10 based on complete sample= 99.2

Weight of hydrometer sample: 47.97

Calculated biased weight= 48.37

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	24.0	23.0	0.0128	25.0	12.2	0.0317	47.7
4.0	25.5	23.0	22.0	0.0128	24.0	12.4	0.0226	45.6
30.0	25.5	20.0	19.0	0.0128	21.0	12.9	0.0084	39.4
60.0	25.5	20.0	19.0	0.0128	21.0	12.9	0.0059	39.4
120.0	25.5	18.0	17.0	0.0128	19.0	13.2	0.0043	35.2
240.0	25.5	16.0	15.0	0.0128	17.0	13.5	0.0030	31.1
1440.0	25.5	7.0	6.0	0.0128	8.0	15.0	0.0013	12.4

Fractional Components

Gravel/Sand based on #4 sieve

Sand/Fines based on #200 sieve

% + 3 in. = 0.0 % GRAVEL = 0.3 % SAND = 34.0

% SILT = 28.2 % CLAY = 37.5

D85= 0.10 D60= 0.063 D50= 0.041

D30= 0.0028 D15= 0.00145

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.