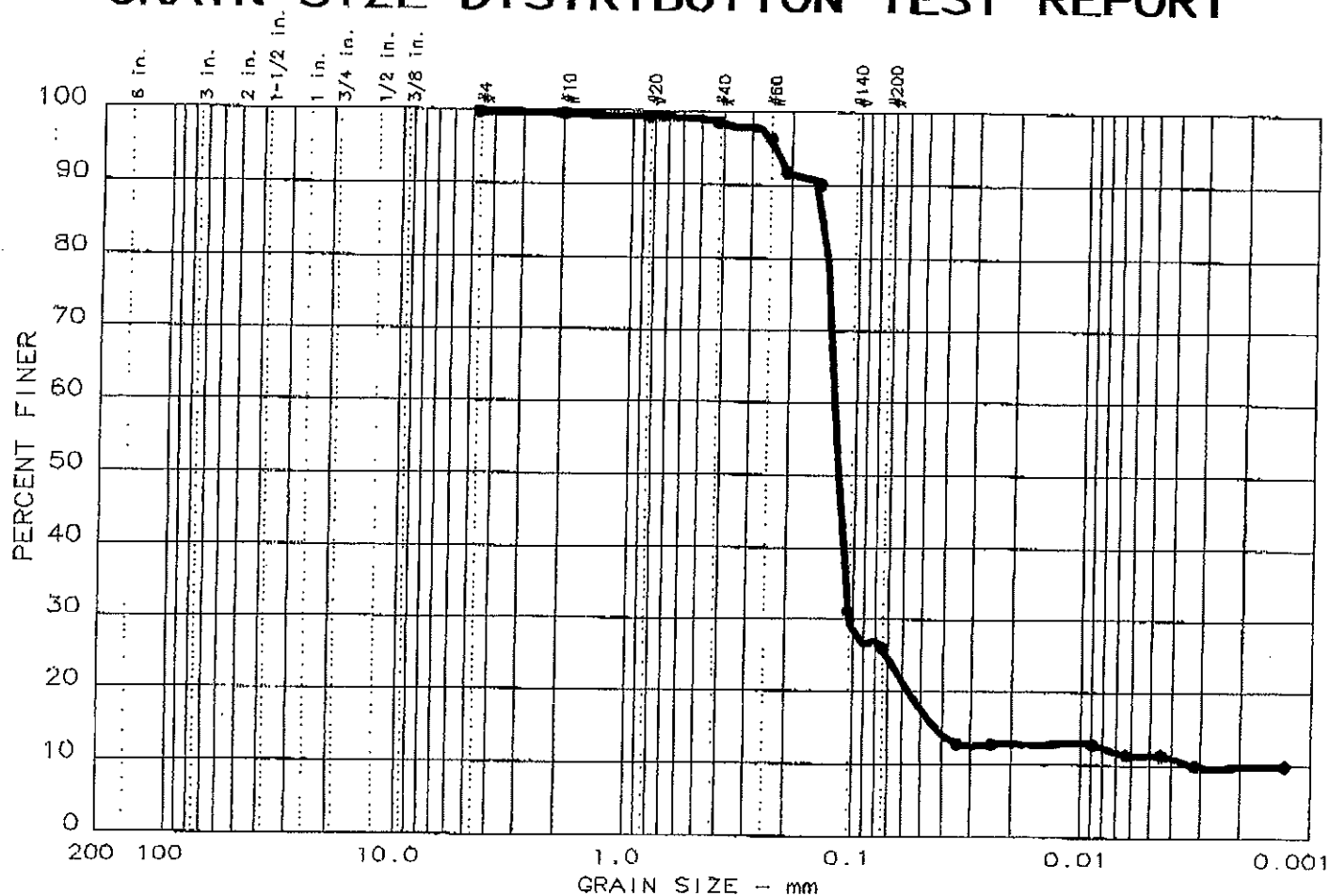


GRAIN SIZE DISTRIBUTION TEST REPORT



Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
• 2	0.0	0.2	73.7	14.6	11.5

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
•		0.14	0.12	0.12	0.105	0.0427	0.0032	27.64	38.8

MATERIAL DESCRIPTION	USCS	AASHTO
• SEDIMENT		

Project No.: 16622-03 Project: USACE-CORPUS CHRISTI • Location: CC-R-00-03A Date: 03/27/00	Remarks: <i>Station 120400</i>
GRAIN SIZE DISTRIBUTION TEST REPORT ANACON, INC.	
Figure No. _____	

Date: 03/27/00
Project No.: 16622-03
Project: USACE-CORPUS CHRISTI

Sample Data

Location of Sample: CC-R-00-03A
Sample Description: SEDIMENT
USCS Class: Liquid limit:
AASHTO Class: Plasticity index:

Notes

Remarks:

Flg. No.:

Mechanical Analysis Data

Initial
Dry sample and tare= 69.79
Tare = 0.00
Dry sample weight = 69.79
Sieve tare method

Sieve	Weight retained	Sieve tare	Percent finer
# 4	0.16	0.00	99.8
# 10	0.15	0.00	99.6
# 20	0.29	0.00	99.1
# 40	0.43	0.00	98.5
# 60	1.52	0.00	96.3
# 70	3.18	0.00	91.8
# 100	1.16	0.00	90.1
# 140	41.16	0.00	31.2
# 200	3.54	0.00	26.1

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 99.6
Weight of hydrometer sample: 69.79
Calculated biased weight= 70.10
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	10.0	9.0	0.0128	11.0	14.5	0.0346	12.8
4.0	25.5	10.0	9.0	0.0128	11.0	14.5	0.0245	12.8
30.0	25.5	10.0	9.0	0.0128	11.0	14.5	0.0089	12.8
60.0	25.5	9.0	8.0	0.0128	10.0	14.7	0.0063	11.4
120.0	25.5	9.0	8.0	0.0128	10.0	14.7	0.0045	11.4
240.0	25.5	8.0	7.0	0.0128	9.0	14.8	0.0032	10.0
1440.0	25.5	8.0	7.0	0.0128	9.0	14.8	0.0013	10.0

Fractional Components

Gravel/Sand based on #4 sieve

Sand/Fines based on #200 sieve

% + 3 in. = 0.0 % GRAVEL = 0.2 % SAND = 73.7

% SILT = 14.6 % CLAY = 11.5

D85= 0.14 D60= 0.125 D50= 0.119

D30= 0.1046 D15= 0.04310 D10= 0.00320

Cc = 27.4157 Cu = 39.0841

Lynne Graham's report

WATER QUALITY DATA

P

Project: **Corpus Christi Ship Channel - Rincon Canal**

EHA Job #: **DO 0028**

Date(s) Collected: 3/23/2000 4/5/2000

Tide, MLT: High

Wind Direction: SSE S

Wind Speed: 20-25 mph, gusty

Weather and Water Conditions: Cloudy and rough clear skies, calm to slightly choppy

Sample Number	CC-R-00-01A	CC-R-00-01B	CC-R-00-02A	CC-R-00-02B	CC-R-00-03	CC-R-00-GS110*	CC-R-00-GS115*	CC-R-00-03A
Station	20+00	40+00	60+00	80+00	100+00	110+00	115+00	120+00
Distance From C _L (Ft.)	0	0	0	0	0	0	0	0
Water Depth MLT (Ft.)	15.2	14	13	16	15	12	13	15.5
DO (mg/L)	6.93	6.92	7.07	7.28	7.28	7.03	6.75	6.72
pH	8.03	8.03	8.03	8.13	8.13	8.13	8.1	8.1
Salinity (‰)	33.43	33.26	33.13	33.6	33.8	34	33.39	33.5
Water Temp. (°C)	21.8	21.63	21.15	22.22	22.2	22.31	22.31	22.29
Air Temp. (°C)	21.1	21.1	21.6	75	75	75	74	72
Lat	27 48'53.34"	27 49'07.61	27 49'23.17"	27 49 54.00	27 49 53.51	27 50 01.37	27 50 05.03	27 50 09.4
Long	97 21'12.98"	97 21'28.14	97 21'41.58"	97 22 10.23	97 22 09.73	97 22 17.03	97 22 20.63	97 22 24.2
Time	917	950	1017	1530	1550	1600	1607	1200