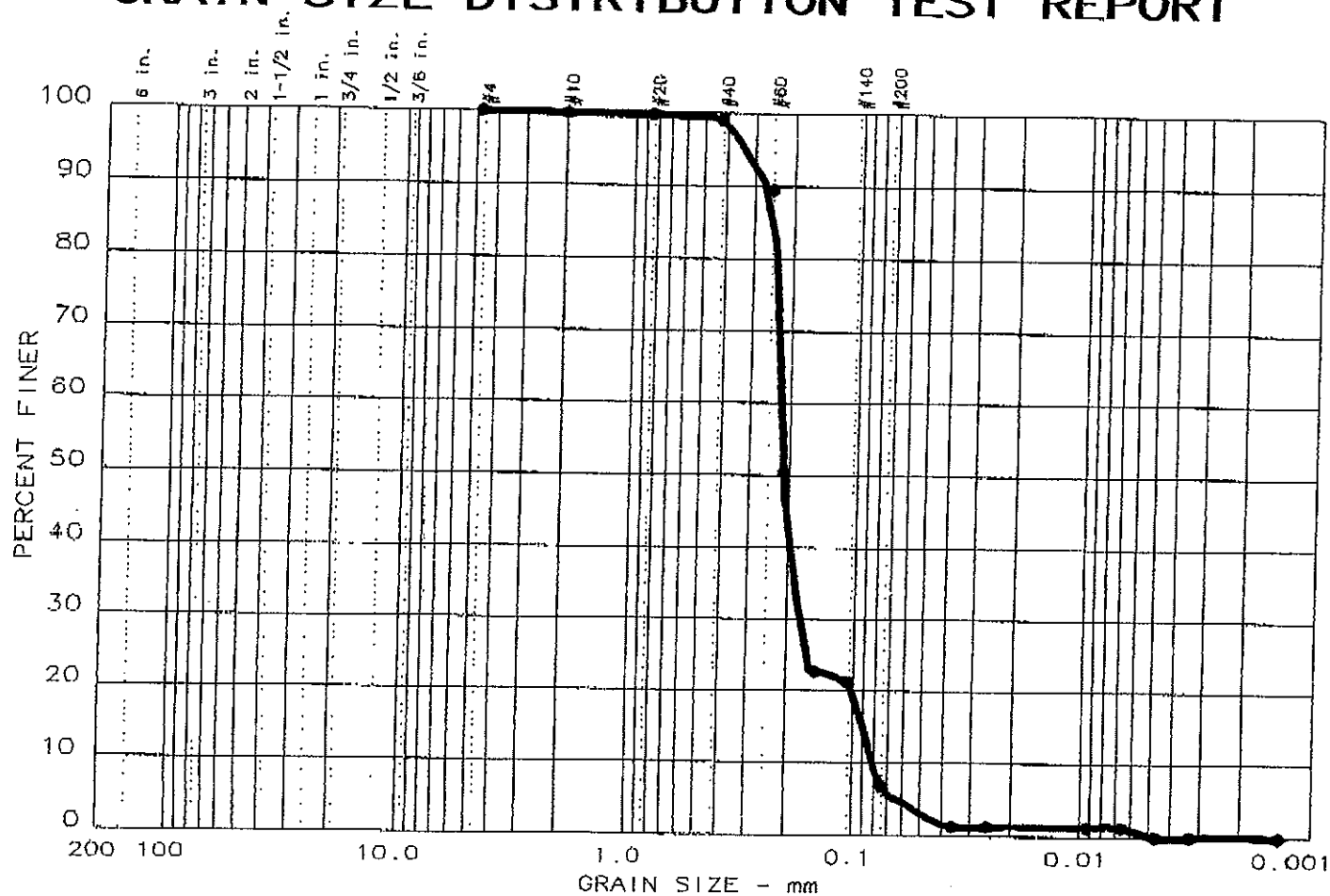


GRAIN SIZE DISTRIBUTION TEST REPORT



Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
• 11	0.0	0.0	93.1	6.7	0.2

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
•		0.24	0.22	0.21	0.174	0.0901	0.0813	1.69	2.7

MATERIAL DESCRIPTION	USCS	AASHTO
• SAND		

Project No.: 16623-03
 Project: USACE-CORPUS CHRISTI
 • Location: CC-R-00-GS125
 Date: 03/27/00
 GRAIN SIZE DISTRIBUTION TEST REPORT
ANACON, INC.

Remarks:

Station 125+00

Figure No. _____

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

Sample Data

Location of Sample: CC-R-00-GS125
Sample Description: SAND
USCS Class: Liquid limit:
ASTM Class: Plasticity index:

Notes

Remarks:

Fig. No.:

Mechanical Analysis Data

Initial
Dry sample and tare= 76.28
Tare = 0.00
Dry sample weight = 76.28
Sieve tare method

Sieve	Weight retained	Sieve tare	Percent finer
# 4	0.01	0.00	100.0
# 10	0.13	0.00	99.8
# 20	0.05	0.00	99.8
# 40	0.52	0.00	99.1
# 60	7.28	0.00	89.5
# 70	29.83	0.00	50.4
# 100	21.15	0.00	22.7
# 140	1.17	0.00	21.2
# 200	10.89	0.00	6.9

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 99.8
Weight of hydrometer sample: 76.28
Calculated biased weight= 76.42
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, Actual deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
2.0	25.5	2.0	1.0	0.0128	3.0	15.8	0.0361	1.3
4.0	25.5	2.0	1.0	0.0128	3.0	15.8	0.0255	1.3
30.0	25.5	2.0	1.0	0.0128	3.0	15.8	0.0093	1.3
60.0	25.5	2.0	1.0	0.0128	3.0	15.8	0.0066	1.3
120.0	25.5	1.0	-0.0	0.0128	2.0	16.0	0.0047	-0.1
240.0	25.5	1.0	-0.0	0.0128	2.0	16.0	0.0033	-0.1
1440.0	25.5	1.0	-0.0	0.0128	2.0	16.0	0.0014	-0.1

Fractional Components

Gravel/Sand based on #4 sieve

Sand/Fines based on #200 sieve

% + 3 in. = 0.0 % GRAVEL = 0.0 % SAND = 93.1

% SILT = 6.7 % CLAY = 0.2

D85= 0.24 D60= 0.221 D50= 0.212
D30= 0.1780 D15= 0.09025 D10= 0.08137
Cc = 1.7658 Cu = 2.7105

WATER QUALITY DATA

Page 1 of 2

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

EHA Job #: DO 0028

Date(s) Collected: 03/23/2000

Tide, MLT: High

Wind Direction: SSE

Wind Speed: 20-25 mph, gusty

Weather and Water Conditions: Cloudy and rough

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	CC-R-00-GS125*
Station	20+00	40+00	60+00	80+00	100+00	110+00	115+00	120+00	125+00
Distance From C _L (Ft.)				0	0	0	0	0	0
Water Depth MLT (Ft.)				16	15	12	13	15.5	9
DO (mg/L)				7.28	7.28	7.03	6.75	6.72	7.42
pH				8.13	8.13	8.13	8.1	8.1	8.1
Salinity (‰)				33.6	33.8	34	33.39	33.5	33.28
Water Temp. (°C)				22.22	22.2	22.31	22.31	22.29	22.43
Air Temp. (°C)				75	75	75	74	72	72
Lat				27 49 54.00	27 49 53.51	27 50 01.37	27 50 05.03	27 50 09.4	27 50 13.38
Long				97 22 10.23	97 22 09.73	97 22 17.03	97 22 20.63	97 22 24.2	97 22 27.95
Time				1530	1550	1600	1607	1200	1130

REMARKS: *Sediment for Grain-Size analysis only.