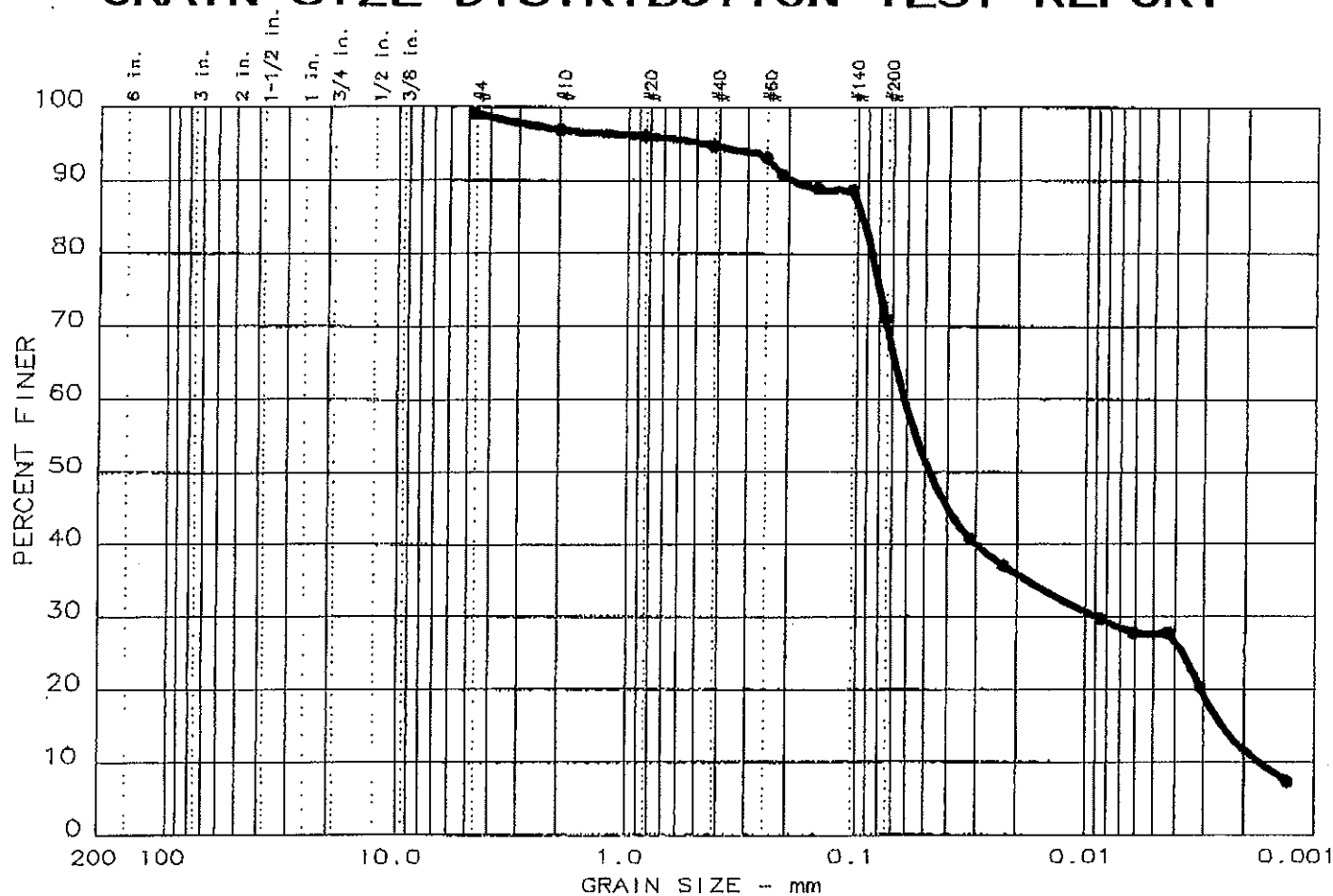


GRAIN SIZE DISTRIBUTION TEST REPORT



Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
1	0.0	0.9	28.0	43.5	27.6

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
		0.09		0.05	0.009	0.0025	0.0017	0.77	35.1

MATERIAL DESCRIPTION	USCS	AASHTO
SEDIMENT		

Project No.: 16622-02
 Project: USACE-CORPUS CHRISTI
 Location: CC-R-00-03

Date: 03/27/00

GRAIN SIZE DISTRIBUTION TEST REPORT

ANACON, INC.

Remarks:

Figure No. _____

GRAIN SIZE DISTRIBUTION TEST DATA

Test NO.: 1

Date: 03/27/00
Project No.: 16622-02
Project: USACE-CORPUS CHRISTI

Sample Data

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

Notes

Remarks:

Fig. No.:

Mechanical Analysis Data

Initial

Dry sample and tare= 52.43
Tare = 0.00
Dry sample weight = 52.43
Sieve tare method

Sieve	Weight retained	Sieve tare	Percent finer
# 4	0.48	0.00	99.1
# 10	1.14	0.00	96.9
# 20	0.44	0.00	96.1
# 40	0.67	0.00	94.8
# 60	0.84	0.00	93.2
# 70	1.31	0.00	90.7
# 100	0.90	0.00	89.0
# 140	0.12	0.00	88.7
# 200	9.26	0.00	71.1

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 96.9
Weight of hydrometer sample: 52.43
Calculated biased weight= 54.10
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	23.0	22.0	0.0128	24.0	12.4	0.0319	40.8
4.0	25.5	21.0	20.0	0.0128	22.0	12.7	0.0229	37.1
30.0	25.5	17.0	16.0	0.0128	18.0	13.3	0.0086	29.6
60.0	25.5	16.0	15.0	0.0128	17.0	13.5	0.0061	27.8
120.0	25.5	16.0	15.0	0.0128	17.0	13.5	0.0043	27.8
240.0	25.5	12.0	11.0	0.0128	13.0	14.2	0.0031	20.3
1440.0	25.5	5.0	4.0	0.0128	6.0	15.3	0.0013	7.3

Fractional Components

Gravel/Sand based on #4 sieve

Sand/Fines based on #200 sieve

% + 3 in. = 0.0 % GRAVEL = 0.9 % SAND = 28.0

% SILT = 43.5 % CLAY = 27.6

D85= 0.09 D60= 0.061 D50= 0.048

D30= 0.0091 D15= 0.00247 D10= 0.00175

Cc = 0.7674 Cu = 35.0752

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