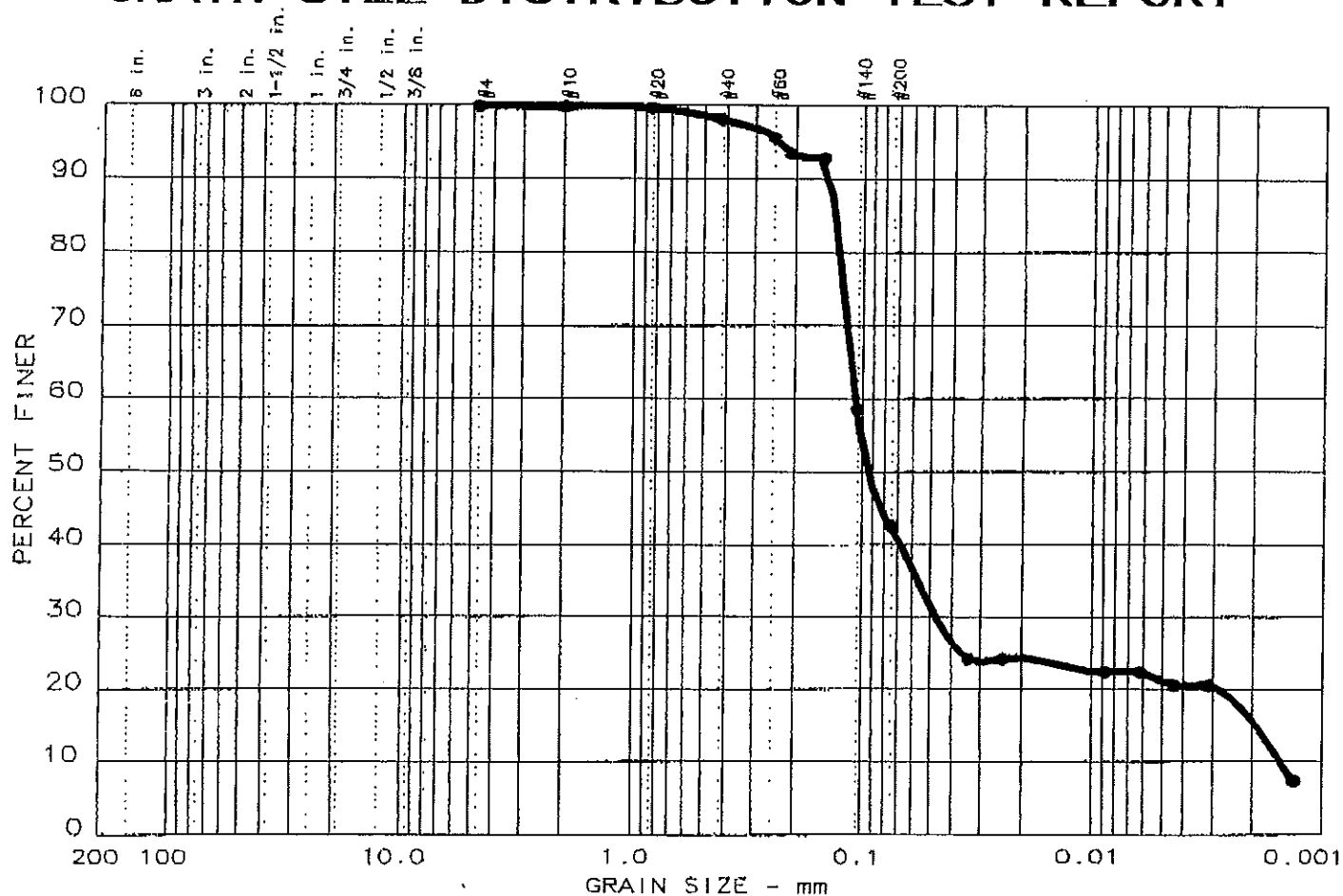


GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST DATA

Test No.: 10

Date: 03/27/00

Project No.: 16623-02

Project: USACE-CORPUS CHRISTI

Sample Data

Location of Sample: CC-R-00-GS115

Sample Description: SEDIMENT

JSCS Class:

Liquid limit:

AASHTO Class:

Plasticity index:

Notes

Remarks:

Fig. No.:

Mechanical Analysis Data

Initial

Dry sample and tare= 53.78

Tare = 0.00

Dry sample weight = 53.78

Sieve tare method

Sieve	Weight retained	Sieve tare	Percent finer
# 4	0.03	0.00	99.9
# 10	0.06	0.00	99.8
# 20	0.08	0.00	99.7
# 40	0.85	0.00	98.1
# 60	1.33	0.00	95.6
# 70	1.18	0.00	93.4
# 100	0.34	0.00	92.8
# 140	18.44	0.00	58.5
# 200	8.54	0.00	42.6

Hydrometer Analysis Data

Separation sieve is number 10

Percent -# 10 based on complete sample= 99.8

Weight of hydrometer sample: 53.78

Calculated biased weight= 53.87

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	14.0	13.0	0.0128	15.0	13.8	0.0338	24.2
4.0	25.5	14.0	13.0	0.0128	15.0	13.8	0.0239	24.2
30.0	25.5	13.0	12.0	0.0128	14.0	14.0	0.0088	22.3
60.0	25.5	13.0	12.0	0.0128	14.0	14.0	0.0062	22.3
120.0	25.5	12.0	11.0	0.0128	13.0	14.2	0.0044	20.4
240.0	25.5	12.0	11.0	0.0128	13.0	14.2	0.0031	20.4
1440.0	25.5	5.0	4.0	0.0128	6.0	15.3	0.0013	7.4

Fractional Components

Gravel/Sand based on #4 sieve

Sand/Fines based on #200 sieve

% + 3 in. = 0.0 % GRAVEL = 0.1 % SAND = 57.3

% SILT = 21.6 % CLAY = 21.0

D85 = 0.13 D60 = 0.108 D50 = 0.094

D30 = 0.0468 D15 = 0.00191 D10 = 0.00150

Cc = 13.5988 Cu = 71.8621

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