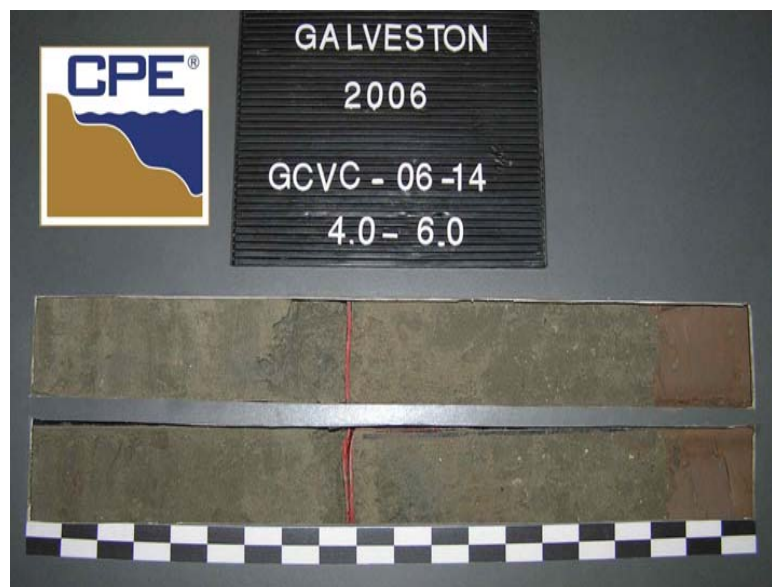
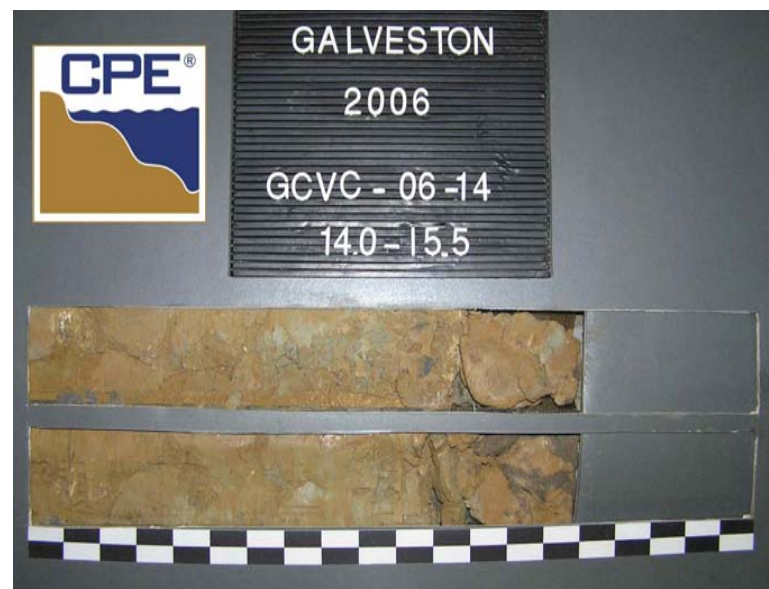






DRILLING LOG		DIVISION	INSTALLATION	SHEET 1 OF 1 SHEETS
1. PROJECT Texas Geotechnical Sand Search Galveston County Texas			9. SIZE AND TYPE OF BIT 3.0 In.	
2. BORING DESIGNATION GCVC-06-14			10. COORDINATE SYSTEM/DATUM Texas South Central	
3. DRILLING AGENCY Alpine Ocean Seismic Survey, Inc.			11. MANUFACTURER'S DESIGNATION OF DRILL ☐ AUTO HAMMER ☐ MANUAL HAMMER	
4. NAME OF DRILLER Charles Dill			12. TOTAL SAMPLES DISTURBED UNDISTURBED (UD)	
5. DIRECTION OF BORING ☒ VERTICAL ☐ INCLINED			13. TOTAL NUMBER CORE BOXES	
6. THICKNESS OF OVERBURDEN 0.0 Ft.			14. ELEVATION GROUND WATER	
7. DEPTH DRILLED INTO ROCK 0.0 Ft.			15. DATE BORING 10-08-06 11:19 STARTED COMPLETED 10-08-06 11:22	
8. TOTAL DEPTH OF BORING 18.2 Ft.			16. ELEVATION TOP OF BORING -16.6 Ft.	
			17. TOTAL RECOVERY FOR BORING 15.5 Ft.	
			18. SIGNATURE AND TITLE OF INSPECTOR ML	

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS Depths and elevations based on measured values	% REC.	BOX OR SAMPLE	REMARKS
-16.6	0.0					
-22.3	5.7		SAND, fine grained, quartz, trace shell hash, trace silt, 5" coarse sand with some shell hash layer @ 1.3', gray (5Y-5/1), (SM).		1	Sample #1, Depth = 3.0' Mean (mm): 0.10, Phi Sorting: 0.34 Shell Hash: 0%, Fines (230): 7.53% (SM)
-28.6	12.0		CLAY, stiff to soft; yellowish red (5YR-4/6) to dark gray (5Y-4/1), (CL).			
-32.1	15.5		CLAY, very stiff; brownish yellow (10YR-6/6) to gray (5Y-5/1), (CL).			
-34.8	18.2		No Recovery.			
			End of Boring			

FLORIDA DEP ROSS GALVESTON VIBRACORES 2006.GPJ FL DEP ROSS.GDT 12/14/06

Granularmetric Report

Depths and elevations based on measured values



Coastal Planning & Engineering
2481 NW Boca Raton Blvd, Boca Raton
FL 33431
ph (561) 391-8102
fax (561) 391-9116

Project Name: Texas Geotechnical Sand Search

Sample Name: GCVC-06-14 #1

Analysis Date: 10-19-06

Analyzed By: ST

Easting (ft):

3,213,732

Northing (ft):

13,596,254

Coordinate System:

Texas South Central

Elevation (ft):

-19.6 MLLW

USCS:

SM

Munsell:

Wet - 5Y-5/1

Dry - 5Y-5/1

Washed - 5Y-5/1

Comments:

Dry Weight (g):

96.59

Wash Weight (g):

91.68

Pan Retained (g):

2.25

Sieve Loss (%):

0.10

Fines (%):

#200 - 14.36

#230 - 7.53

Organics (%):

Carbonates (%):

Shell Hash (%):

0

Sieve Number

Sieve Size (Phi)

Sieve Size (Millimeters)

Grams Retained

% Weight Retained

Cum. Grams Retained

C. % Weight Retained

3/4"

-4.25

19.03

0.00

0.00

0.00

0.00

5/8"

-4.00

16.00

0.00

0.00

0.00

0.00

7/16"

-3.50

11.31

0.00

0.00

0.00

0.00

5/16"

-3.00

8.00

0.00

0.00

0.00

0.00

3.5

-2.50

5.66

0.00

0.00

0.00

0.00

4

-2.25

4.76

0.06

0.06

0.06

0.06

5

-2.00

4.00

0.00

0.00

0.06

0.06

7

-1.50

2.83

0.05

0.05

0.11

0.11

10

-1.00

2.00

0.01

0.01

0.12

0.12

14

-0.50

1.41

0.01

0.01

0.13

0.13

18

0.00

1.00

0.01

0.01

0.14

0.14

25

0.50

0.71

0.01

0.01

0.15

0.15

35

1.00

0.50

0.01

0.01

0.16

0.16

45

1.50

0.35

0.01

0.01

0.17

0.17

60

2.00

0.25

0.05

0.05

0.22

0.22

80

2.50

0.18

0.41

0.42

0.63

0.64

120

3.00

0.13

5.34

5.53

5.97

6.17

170

3.50

0.09

58.81

60.89

64.78

67.06

200

3.75

0.07

17.95

18.58

82.73

85.64

230

4.00

0.06

6.60

6.83

89.33

92.47

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

3.73

3.61

3.36

3.15

3.08

2.89

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

3.33

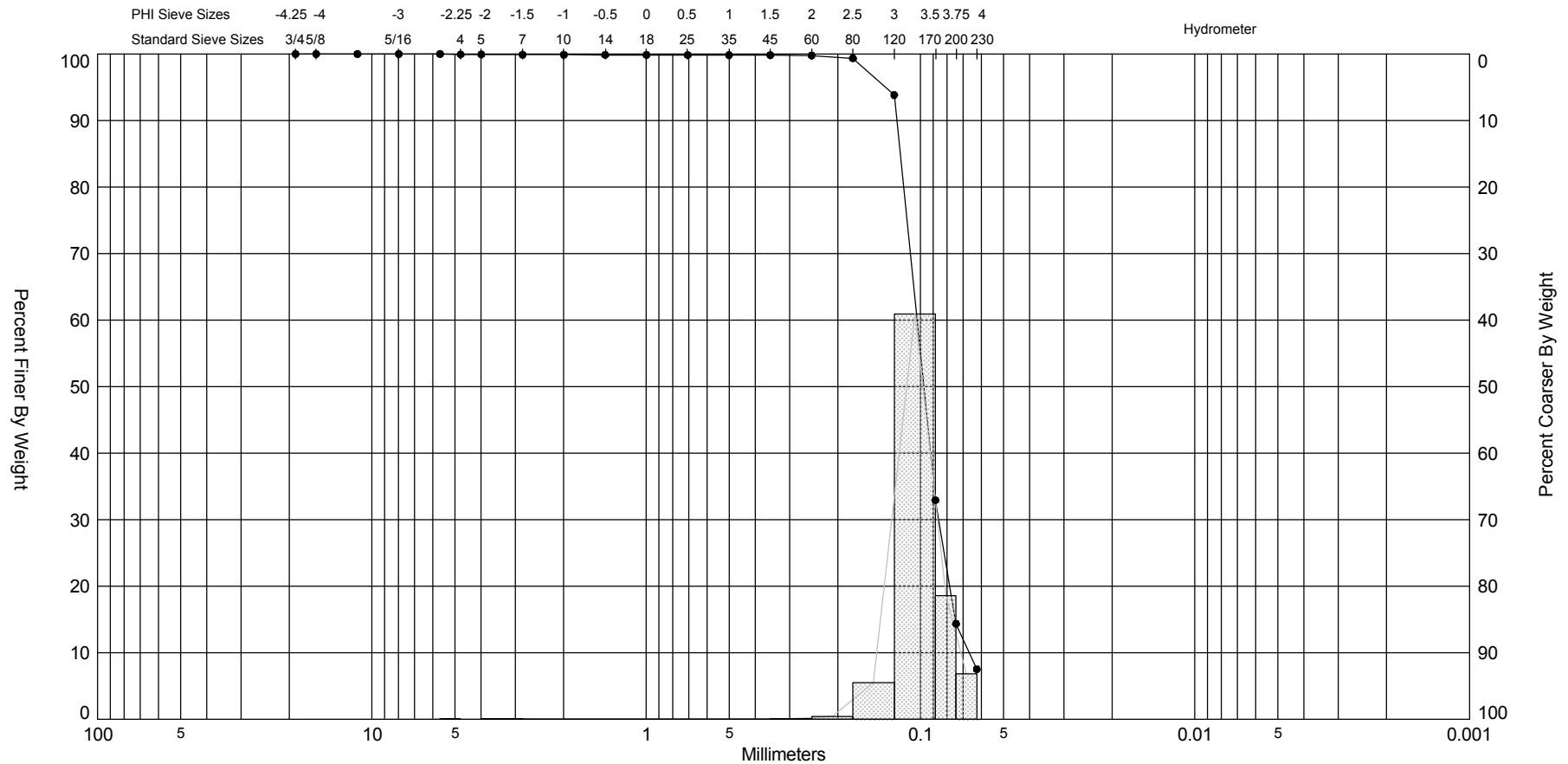
0.10

0.34

-5.91

92.84

GRANULARMETRIC REPORT GALVESTON_VIBRACORES_2006.GPJ FL DEP ROSS.GDT 12/14/06



Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
GCVC-06-14 #1	—●—	-19.6	SM	#200 - 14.36 #230 - 7.53			3.36	3.33	-5.91	92.84	0.34	Project Name:	Texas Geotechnical Sand Search
Comments:												Analysis Date:	10-19-06
Depths and elevations based on measured values												Analyzed By:	ST
						Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116						Easting (X, ft):	3,213,732
												Northing (Y, ft):	13,596,254
												Horizontal System:	NAD 1983
												Vertical System:	MLLW