







JEFFERSON CO.

2006

JCVC - 06 - 04

16.0 - 17.9



DRILLING LOG		DIVISION	INSTALLATION	SHEET 1 OF 1 SHEETS
1. PROJECT Texas Geotechnical Sand Search Jefferson County Texas			9. SIZE AND TYPE OF BIT 3.0 In.	
2. BORING DESIGNATION JCVC-06-04			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 STARTED COMPLETED 10-09-06 15:00 10-09-06 15:03	
8. TOTAL DEPTH OF BORING 17.0 Ft.			16. ELEVATION TOP OF BORING -26.6 Ft.	
			17. TOTAL RECOVERY FOR BORING 17.9 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
-26.6	0.0					
-27.2	0.6		CLAY, soft, dark gray (5Y-4/1), (CL).			
-29.1	2.5		CLAY, stiff, yellow (2.5Y-7/6), (CL).			
-36.3	9.7		SAND, fine grained, some clay, some silt, 4.0" clay layer @ 2.9'; 3.0" clay layers @ 5.0' and 8.5', light olive brown (2.5Y-5/4), (SM).		1	Sample #1, Depth = 4.0' Mean (mm): 0.10, Phi Sorting: 0.99 Shell Hash: 0%, Fines (230): 31.21% (SM)
-43.6	17.0		SAND, fine grained, quartz, little silt, (1.0"x1.0") clay pocket @ 12.5', gray (5Y-5/1), (SM).		2	Sample #2, Depth = 12.0' Mean (mm): 0.12, Phi Sorting: 0.40 Shell Hash: 0%, Fines (230): 10.44% (SM)
-44.5	17.9		Expansion Material, (SM).			
			End of Boring			

FLORIDA DEP ROSS - JEFFERSON VIBRACORES 2006 1-8.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: JCVC-06-04 #1							
Analysis Date: 10-19-06							
Analyzed By: TF							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
3,480,082		13,787,546		Texas South Central		-30.6 MLLW	
USCS:		Munsell:		Comments:			
SM		Wet - 5Y-5/1 Dry - 2.5Y-6/3 Washed - 2.5Y-7/3					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shell Hash (%):
96.01	77.18	10.97	0.17	#200 - 41.97 #230 - 31.21			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	1.23	1.28	1.23	1.28	
3.5	-2.50	5.66	0.00	0.00	1.23	1.28	
4	-2.25	4.76	0.00	0.00	1.23	1.28	
5	-2.00	4.00	0.00	0.00	1.23	1.28	
7	-1.50	2.83	0.00	0.00	1.23	1.28	
10	-1.00	2.00	0.00	0.00	1.23	1.28	
14	-0.50	1.41	0.13	0.14	1.36	1.42	
18	0.00	1.00	0.06	0.06	1.42	1.48	
25	0.50	0.71	0.03	0.03	1.45	1.51	
35	1.00	0.50	0.06	0.06	1.51	1.57	
45	1.50	0.35	0.04	0.04	1.55	1.61	
60	2.00	0.25	0.20	0.21	1.75	1.82	
80	2.50	0.18	0.36	0.37	2.11	2.19	
120	3.00	0.13	4.07	4.24	6.18	6.43	
170	3.50	0.09	29.34	30.56	35.52	36.99	
200	3.75	0.07	20.20	21.04	55.72	58.03	
230	4.00	0.06	10.33	10.76	66.05	68.79	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
			3.65	3.30	3.16	2.83	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	3.28	0.10	0.99	-5.61	36.78		

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: JCVC-06-04 #2

Analysis Date: 10-17-06

Analyzed By: ST

Easting (ft):

3,480,082

Northing (ft):

13,787,546

Coordinate System:

Texas South Central

Elevation (ft):

-38.6 MLLW

USCS:

SM

Munsell:

Wet - 5Y-5/1

Dry - 5Y-5/1

Washed - 5Y-6/1

Comments:

Dry Weight (g):

94.55

Wash Weight (g):

86.73

Pan Retained (g):

2.04

Sieve Loss (%):

0.02

Fines (%):

#200 - 14.61
#230 - 10.44

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

0.00

0.00

0.00

0.00

5

-2.00

4.00

0.00

0.00

0.00

0.00

7

-1.50

2.83

0.00

0.00

0.00

0.00

10

-1.00

2.00

0.00

0.00

0.00

0.00

14

-0.50

1.41

0.01

0.01

0.01

0.01

18

0.00

1.00

0.01

0.01

0.02

0.02

25

0.50

0.71

0.01

0.01

0.03

0.03

35

1.00

0.50

0.01

0.01

0.04

0.04

45

1.50

0.35

0.04

0.04

0.08

0.08

60

2.00

0.25

0.12

0.13

0.20

0.21

80

2.50

0.18

5.34

5.65

5.54

5.86

120

3.00

0.13

26.33

27.85

31.87

33.71

170

3.50

0.09

40.21

42.53

72.08

76.24

200

3.75

0.07

8.65

9.15

80.73

85.39

230

4.00

0.06

3.94

4.17

84.67

89.56

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

3.71

3.49

3.19

2.84

2.68

2.42

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

3.09

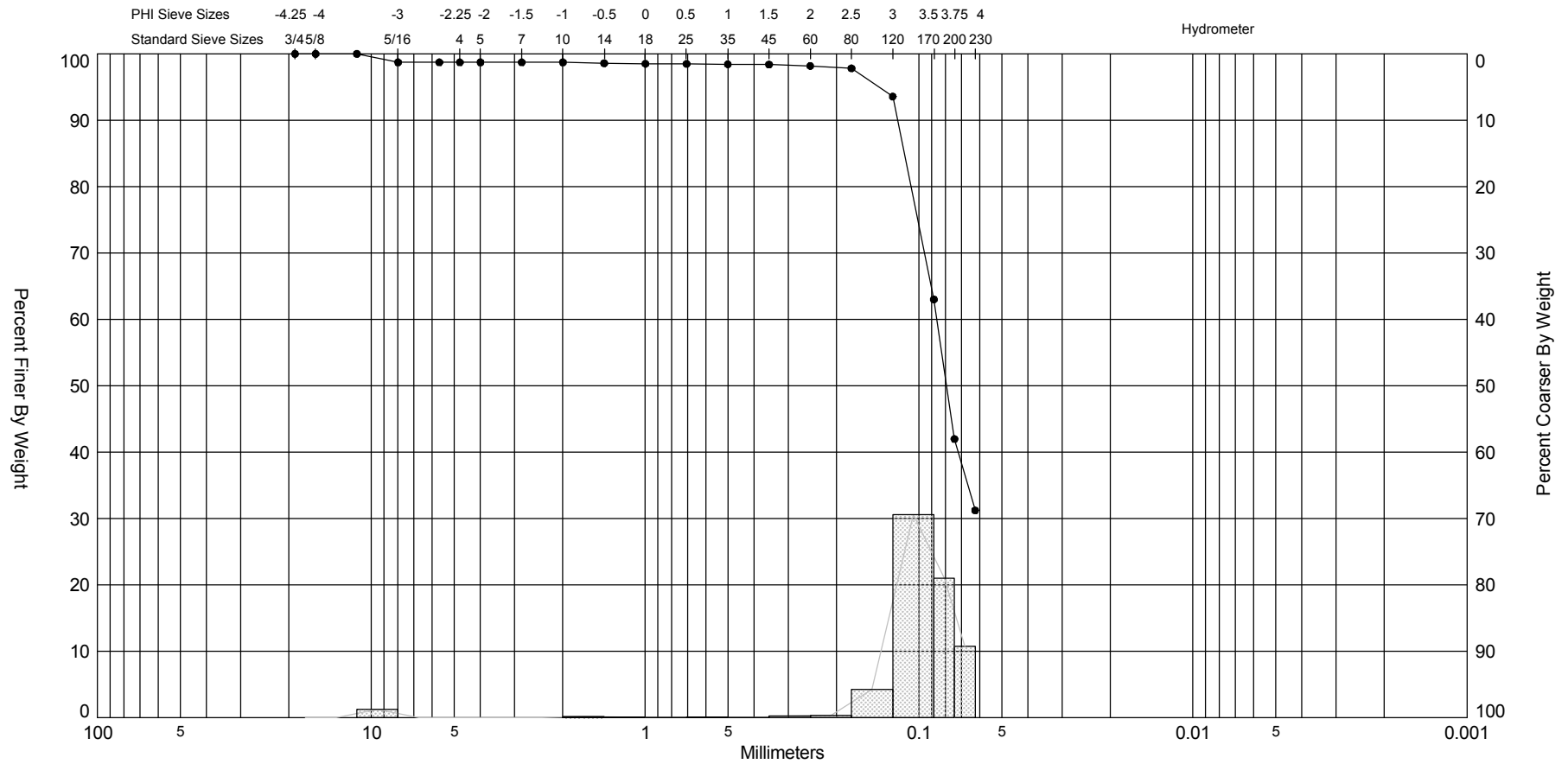
0.12

0.4

-0.52

4.89

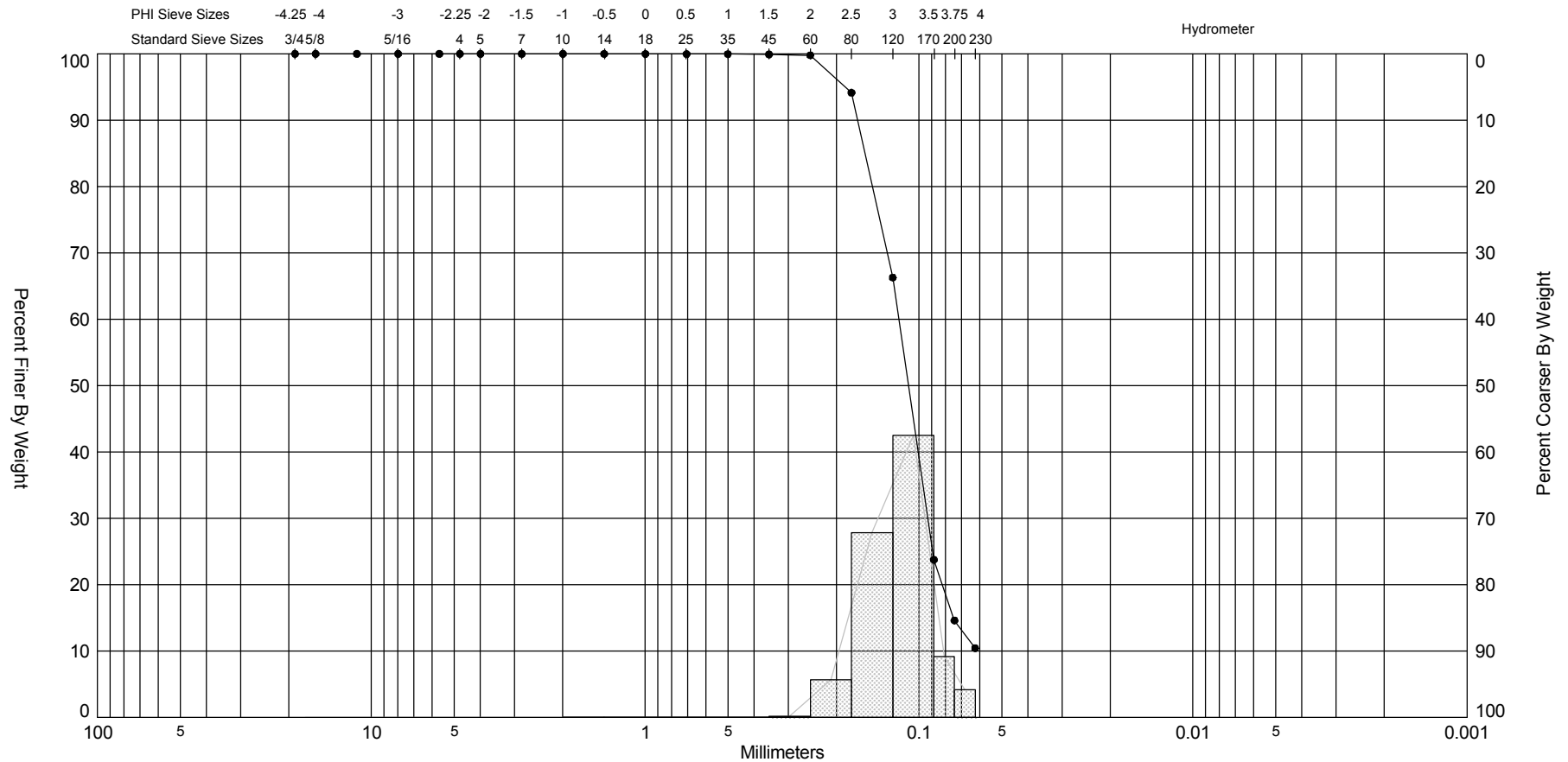
GRANULARMETRIC REPORT - JEFFERSON_VIBRACORES_2006_1-8.GPJ FL DEP ROSS GDT 12/14/06



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	
JCVC-06-04 #1	—●—	-30.6	SM	#200 - 41.97 #230 - 31.21			3.65	3.28	-5.61	36.78	0.99	Project Name:	Texas Geotechnical Sand Search
Comments:												Analysis Date:	10-19-06
Depths and elevations based on measured values												Analyzed By:	TF
						Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116						Easting (X, ft):	3,480,082
												Northing (Y, ft):	13,787,546
												Horizontal System:	NAD 1983
												Vertical System:	MLLW

SIEVE ANALYSIS - JEFFERSON_VIBRACORES_2006_1-8.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	
JCVC-06-04 #2	—●—	-38.6	SM	#200 - 14.61 #230 - 10.44			3.19	3.09	-0.52	4.89	0.4	Project Name:	Texas Geotechnical Sand Search
Comments:												Analysis Date:	10-17-06
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):	3,480,082
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												Horizontal System:	NAD 1983
												Vertical System:	MLLW