

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District			SHEET 1 OF 2 SHEETS											
1. PROJECT VENICE BEACH BEACH SAND SEARCH Sarasota County, Florida				9. SIZE AND TYPE OF BIT See Remarks														
2. BORING DESIGNATION VB-SCV09-16		LOCATION COORDINATES X = 493,212 Y = 946,908		10. COORDINATE SYSTEM/DATUM State Plane, FLW (U.S. Ft.)		HORIZONTAL NAD83		VERTICAL NAVD88										
3. DRILLING AGENCY Challenge Engineering & Testing, Inc.		CONTRACTOR FILE NO. 2009D07		11. MANUFACTURER'S DESIGNATION OF DRILL Alpine 271 Vibracore Unit		<input type="checkbox"/> AUTO HAMMER <input checked="" type="checkbox"/> MANUAL HAMMER												
4. NAME OF DRILLER American Vibracore Services, Inc.				12. TOTAL SAMPLES		DISTURBED 2		UNDISTURBED (UD) 0										
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				13. TOTAL NUMBER CORE BOXES 1														
6. THICKNESS OF OVERBURDEN N/A				14. ELEVATION GROUND WATER Tidal														
7. DEPTH DRILLED INTO ROCK N/A				15. DATE BORING		STARTED 06-17-09		COMPLETED 06-17-09										
8. TOTAL DEPTH OF BORING 8.0 Ft.				16. ELEVATION TOP OF BORING -48.0 Ft.														
				17. TOTAL RECOVERY FOR BORING 79 %														
				18. SIGNATURE AND TITLE OF INSPECTOR V. J. Thompson III, Civil Engineer														
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE									
-48.0	0.0		SAND, silty, mostly subangular fine-grained sand-sized quartz, little angular to subangular shell up to 1", wet, 5Y 5/2 olive gray (SM)	100			-48.0											
				100	1		-48.5 Vibracore											
							-49.0 Vibracore											
			At El. -49.5 Ft., some angular to subangular shell up to 1-1/2"	100			Vibracore											
-50.5	2.5		SAND, poorly-graded with silt, mostly subangular fine-grained sand-sized quartz, little angular to subangular shell up to 1/4", wet, 2.5Y 5/3 light olive brown (SP-SM)	100	2		-50.5 Vibracore											
							-51.0 Vibracore											
-52.4	4.4		SAND, clayey, mostly subangular fine-grained sand-sized quartz, few angular to subangular shell up to 1", wet, 10GY 5/1 greenish gray (SC)															
-53.0	5.0		LIMESTONE, sparsely fossiliferous, very hard, slightly weathered, fine grained															
-54.3	6.3		At El. -53.3 Ft.	66			Vibracore											
-56.0	8.0						-56.0											
			BORING TERMINATED IN REFUSAL															
			NOTES:															
			1. USACE Jacksonville is the custodian for these original files.															
			2. Soils are field visually classified in accordance with the Unified Soils Classification System.															
			3. Vibracore Borings Were Sampled With An Alpine 271 Pneumatic Powered Unit Using A 3 5/8" Lexan Liner To Termination Depth Specified.															
			4. Laboratory Testing Results															
			<table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>SAMPLE DEPTH</th> <th>LABORATORY CLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.5/1.0</td> <td>SM*</td> </tr> <tr> <td>2</td> <td>2.5/3.0</td> <td>SP-SM*</td> </tr> </tbody> </table>							SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	0.5/1.0	SM*	2	2.5/3.0	SP-SM*
SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION																
1	0.5/1.0	SM*																
2	2.5/3.0	SP-SM*																

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District			SHEET 2 OF 2 SHEETS			
PROJECT VENICE BEACH BEACH SAND SEARCH			COORDINATE SYSTEM/DATUM State Plane, FLW (U.S. Ft.)		HORIZONTAL NAD83	VERTICAL NAVD88			
LOCATION COORDINATES X = 493,212 Y = 946,908			ELEVATION TOP OF BORING -48.0 Ft.						
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
			*Lab visual classification based on gradation curve. No Atterberg limits.						

15

20

25

30

35