

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-SCV09-42		LOCATION COORDINATES X = 490,396 Y = 938,140		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 3	UNDISTURBED (UD) 0				
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				13. TOTAL NUMBER CORE BOXES 1		14. ELEVATION GROUND WATER Tidal					
6. THICKNESS OF OVERBURDEN N/A				15. DATE BORING		STARTED 06-16-09	COMPLETED 06-16-09				
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -43.1 Ft.		17. TOTAL RECOVERY FOR BORING 85 %					
8. TOTAL DEPTH OF BORING 10.5 Ft.				18. SIGNATURE AND TITLE OF INSPECTOR V. J. Thompson III, Civil Engineer							
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE		
-43.1	0.0		SAND, poorly-graded, mostly subangular fine to medium-grained sand-sized quartz, little angular to subangular shell up to 1-1/2", wet, 5Y 4/1 dark gray (SP) At El. -46.6 Ft., 5Y 7/2 light gray At El. -47.6 Ft., mostly subangular fine-grained sand-sized quartz, few angular to subangular shell up to 3/4", wet, 5Y 6/2 light olive gray	100	1		-43.1		0		
							Vibracore				
							Vibracore				
					100				Vibracore		
					100	2			Vibracore		
					100				Vibracore		5
-49.1	6.0		SAND, silty, mostly subangular fine-grained sand-sized quartz, few angular to subangular shell up to 5/8", wet, 5Y 6/2 light olive gray (SM) At El. -50.8 Ft., strong cementation	100	3		-49.1				
										Vibracore	
										Vibracore	
-52.0	8.9			60			Vibracore				
-53.6	10.5	NR					-53.6		10		
			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.								

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 = 490,396 Y = 938,140			ELEVATION TOP OF BORING -43.1 Ft.						
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
			4. Non-ASTM Carbonate Analysis Performed At Depth 1.5-2.0 Ft. = 7.6% Lossage 5. Laboratory Testing Results SAMPLE ID SAMPLE DEPTH LABORATORY CLASSIFICATION ----- 1 1.5/2.0 SP* 1B /10.5 SP* 2 4.0/4.5 SP* 3 6.0/6.5 SM* *Lab visual classification based on gradation curve. No Atterberg limits.						

