



Granularmetric Report Depths and elevations based on measured values				 Athena Technologies, Inc. 1293 Graham Farm Road McClellanville, SC 29458 ph (843) 887-3800 fax (843) 887-3801			
Project Name: Sarasota County Public Works							
Sample Name: SK-Area3-V08 #A3-V8-1							
Analysis Date: 02-09-14							
Analyzed By: CRM Sr							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
474,065		1,014,285		Florida State Plane West		-35.8 NAVD 88	
USCS:		Munsell:		Comments:			
SP							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
120.96	118.86			#200 - 2.06 #230 - 1.73		57.60	
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	% Passing Sieve	
3/4"	-4.25	19.03		0.00	0.00	100.00	
5/8"	-4.00	16.00		1.74	2.10	98.26	
#3.5	-2.50	5.66		1.18	3.53	97.08	
#4	-2.25	4.76		0.12	3.67	96.96	
#5	-2.00	4.00		0.51	4.29	96.45	
#7	-1.50	2.83		0.90	5.38	95.55	
#10	-1.00	2.00		1.19	6.82	94.36	
#14	-0.50	1.41		1.86	9.07	92.50	
#18	0.00	1.00		3.34	13.11	89.16	
#25	0.50	0.71		6.47	20.94	82.69	
#35	1.00	0.50		9.25	32.13	73.44	
#45	1.50	0.35		9.65	43.80	63.79	
#60	2.00	0.25		8.66	54.27	55.13	
#80	2.50	0.18		9.61	65.89	45.52	
#120	3.00	0.13		28.85	100.79	16.67	
#170	3.50	0.09		13.49	117.11	3.18	
#200	3.75	0.07		1.12	118.46	2.06	
#230	4.00	0.06		0.33	118.86	1.73	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.43	3.02	2.86	2.27	0.92	0.40	-1.27	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.71	0.31	1.56	-1.57	5.82		

GRANULARMETRIC REPORT SIESTA KEY 2-27-14.GPJ FL DEP ROSS.GDT 2/27/14

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Project Name: Sarasota County Public Works							
Sample Name: SK-Area3-V08 #A3-V8-2							
Analysis Date: 02-09-14							
Analyzed By: CRM Sr							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
474,065		1,014,285		Florida State Plane West		-39.5 NAVD 88	
USCS:		Munsell:		Comments:			
SM							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
114.33	101.45			#200 - 16.77 #230 - 11.26			26.00
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	% Passing Sieve	
3/4"	-4.25	19.03		0.00	0.00	100.00	
5/8"	-4.00	16.00		2.90	3.32	97.10	
#3.5	-2.50	5.66		3.82	7.69	93.28	
#4	-2.25	4.76		0.80	8.60	92.48	
#5	-2.00	4.00		1.05	9.80	91.43	
#7	-1.50	2.83		1.15	11.12	90.28	
#10	-1.00	2.00		1.77	13.14	88.51	
#14	-0.50	1.41		1.75	15.14	86.76	
#18	0.00	1.00		2.17	17.62	84.59	
#25	0.50	0.71		2.67	20.67	81.92	
#35	1.00	0.50		2.75	23.81	79.17	
#45	1.50	0.35		1.90	25.98	77.27	
#60	2.00	0.25		2.79	29.17	74.48	
#80	2.50	0.18		4.32	34.11	70.16	
#120	3.00	0.13		19.70	56.63	50.46	
#170	3.50	0.09		23.89	83.94	26.57	
#200	3.75	0.07		9.80	95.15	16.77	
#230	4.00	0.06		5.51	101.45	11.26	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.78	3.54	3.01	1.91	0.11	-3.18	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.96	0.26	2.16	-1.54	4.23		