



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-V02 #A3-V2-1							
Analysis Date: 02-07-14							
Analyzed By: CRM Sr							
Easting (ft): <div style="text-align: center;">471,791</div>		Northing (ft): <div style="text-align: center;">1,013,831</div>		Coordinate System: <div style="text-align: center;">Florida State Plane West</div>		Elevation (ft): <div style="text-align: center;">-34.8 NAVD 88</div>	
USCS: <div style="text-align: center;">SP</div>		Munsell:		Comments:			
Dry Weight (g): <div style="text-align: center;">110.46</div>	Wash Weight (g): <div style="text-align: center;">108.71</div>	Pan Retained (g):	Sieve Loss (%):	Fines (%): #200 - 1.91 #230 - 1.58	Organics (%):	Carbonates (%): <div style="text-align: center;">84.80</div>	Shells (%):
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		0.00	0.00	100.00	
#3.5	-2.50	5.66		0.57	0.63	99.43	
#4	-2.25	4.76		0.24	0.90	99.19	
#5	-2.00	4.00		0.05	0.95	99.14	
#7	-1.50	2.83		0.85	1.89	98.29	
#10	-1.00	2.00		1.47	3.51	96.82	
#14	-0.50	1.41		2.42	6.18	94.40	
#18	0.00	1.00		5.61	12.38	88.79	
#25	0.50	0.71		12.52	26.21	76.27	
#35	1.00	0.50		21.27	49.71	55.00	
#45	1.50	0.35		18.69	70.35	36.31	
#60	2.00	0.25		14.23	86.07	22.08	
#80	2.50	0.18		7.12	93.94	14.96	
#120	3.00	0.13		10.16	105.16	4.80	
#170	3.50	0.09		2.79	108.24	2.01	
#200	3.75	0.07		0.10	108.35	1.91	
#230	4.00	0.06		0.33	108.71	1.58	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.99	2.43	1.90	1.13	0.53	0.19	-0.62	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.15	0.45	1.1	-0.42	4.06		

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Project Name: Sarasota County Public Works							
Sample Name: SK-Area3-V02 #A3-V2-2							
Analysis Date: 02-07-14							
Analyzed By: CRM Sr							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
471,791		1,013,831		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 (%):
110.15	95.14			#200 - 19.27 #230 - 13.63			11.00
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		0.30	0.33	99.70	
#3.5	-2.50	5.66		1.31	1.77	98.39	
#4	-2.25	4.76		0.77	2.62	97.62	
#5	-2.00	4.00		0.13	2.76	97.49	
#7	-1.50	2.83		0.77	3.61	96.72	
#10	-1.00	2.00		0.75	4.44	95.97	
#14	-0.50	1.41		0.97	5.51	95.00	
#18	0.00	1.00		1.30	6.94	93.70	
#25	0.50	0.71		1.77	8.89	91.93	
#35	1.00	0.50		1.98	11.07	89.95	
#45	1.50	0.35		2.13	13.42	87.82	
#60	2.00	0.25		3.08	16.81	84.74	
#80	2.50	0.18		4.79	22.09	79.95	
#120	3.00	0.13		22.27	46.62	57.68	
#170	3.50	0.09		28.15	77.63	29.53	
#200	3.75	0.07		10.26	88.93	19.27	
#230	4.00	0.06		5.64	95.14	13.63	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.89	3.61	3.14	2.61	2.08	-0.50	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.57	0.17	1.46	-2.36	8.67		