



<b>Granularmetric Report</b> 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-Area1-V05 #A1-V5-1							
Analysis Date: 02-06-14							
Analyzed By: CRM Sr							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
440,242		1,027,751		Florida State Plane West		-43.8 NAVD 88	
USCS:		Munsell:		Comments:			
SP							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
119.83	116.94			#200 - 2.88 #230 - 2.40		81.80	
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		0.27	0.32	99.73	
#4	-2.25	4.76		0.28	0.65	99.45	
#5	-2.00	4.00		0.33	1.04	99.12	
#7	-1.50	2.83		0.56	1.71	98.56	
#10	-1.00	2.00		1.22	3.17	97.34	
#14	-0.50	1.41		2.92	6.67	94.42	
#18	0.00	1.00		7.99	16.25	86.43	
#25	0.50	0.71		17.07	36.70	69.36	
#35	1.00	0.50		20.12	60.81	49.24	
#45	1.50	0.35		17.05	81.24	32.19	
#60	2.00	0.25		12.74	96.51	19.45	
#80	2.50	0.18		6.00	103.70	13.45	
#120	3.00	0.13		6.38	111.34	7.07	
#170	3.50	0.09		3.36	115.37	3.71	
#200	3.75	0.07		0.83	116.36	2.88	
#230	4.00	0.06		0.48	116.94	2.40	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.31	2.29	1.78	0.98	0.33	0.07	-0.60	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.03	0.49	1.1	-0.01	3.57		

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Project Name: Sarasota County Public Works							
Sample Name: SK-Area1-V05 #A1-V5-2							
Analysis Date: 02-06-14							
Analyzed By: CRM Sr							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
440,242		1,027,751		Florida State Plane West		-47.1 NAVD 88	
USCS:		Munsell:		Comments:			
SM							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
110.22	95.62			#200 - 21.65 #230 - 13.24			17.00
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		0.00	0.00	100.00	
#3.5	-2.50	5.66		0.54	0.59	99.46	
#4	-2.25	4.76		0.00	0.59	99.46	
#5	-2.00	4.00		0.42	1.05	99.04	
#7	-1.50	2.83		0.66	1.78	98.38	
#10	-1.00	2.00		1.05	2.94	97.33	
#14	-0.50	1.41		1.20	4.26	96.13	
#18	0.00	1.00		1.72	6.16	94.41	
#25	0.50	0.71		2.00	8.36	92.41	
#35	1.00	0.50		2.31	10.91	90.10	
#45	1.50	0.35		2.01	13.13	88.09	
#60	2.00	0.25		3.26	16.72	84.83	
#80	2.50	0.18		4.72	21.92	80.11	
#120	3.00	0.13		21.18	45.26	58.93	
#170	3.50	0.09		25.73	73.62	33.20	
#200	3.75	0.07		11.55	86.35	21.65	
#230	4.00	0.06		8.41	95.62	13.24	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.92	3.68	3.17	2.62	2.09	-0.17	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.66	0.16	1.3	-2.06	7.36		