



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-V05 #A3-V5-1							
Analysis Date: 02-07-14							
Analyzed By: CRM Sr							
Easting (ft): <div style="text-align: center;">473,034</div>		Northing (ft): <div style="text-align: center;">1,013,122</div>		Coordinate System: <div style="text-align: center;">Florida State Plane West</div>		Elevation (ft): <div style="text-align: center;">-34.2 NAVD 88</div>	
USCS: <div style="text-align: center;">SP</div>		Munsell:		Comments:			
Dry Weight (g): <div style="text-align: center;">119.16</div>	Wash Weight (g): <div style="text-align: center;">116.33</div>	Pan Retained (g):	Sieve Loss (%):	Fines (%): #200 - 3.05 #230 - 2.37	Organics (%):	Carbonates (%): <div style="text-align: center;">65.30</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		2.05	2.44	97.95	
#4	-2.25	4.76		0.13	2.60	97.82	
#5	-2.00	4.00		0.08	2.70	97.74	
#7	-1.50	2.83		1.04	3.94	96.70	
#10	-1.00	2.00		1.56	5.80	95.14	
#14	-0.50	1.41		1.70	7.82	93.44	
#18	0.00	1.00		2.79	11.14	90.65	
#25	0.50	0.71		5.61	17.83	85.04	
#35	1.00	0.50		11.62	31.68	73.42	
#45	1.50	0.35		12.36	46.41	61.06	
#60	2.00	0.25		11.56	60.18	49.50	
#80	2.50	0.18		8.74	70.59	40.76	
#120	3.00	0.13		24.19	99.41	16.57	
#170	3.50	0.09		12.33	114.10	4.24	
#200	3.75	0.07		1.19	115.52	3.05	
#230	4.00	0.06		0.68	116.33	2.37	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.47	3.02	2.83	1.98	0.93	0.54	-0.96	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.7	0.31	1.4	-1.22	4.83		

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Project Name: Sarasota County Public Works							
Sample Name: SK-Area3-V05 #A3-V5-2							
Analysis Date: 02-07-14							
Analyzed By: CRM Sr							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
473,034		1,013,122		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 (%):
107.44	91.01			#200 - 22.28 #230 - 15.28			12.00
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		1.15	1.24	98.85	
#4	-2.25	4.76		0.06	1.30	98.79	
#5	-2.00	4.00		0.31	1.63	98.48	
#7	-1.50	2.83		0.43	2.09	98.05	
#10	-1.00	2.00		0.85	3.00	97.20	
#14	-0.50	1.41		0.99	4.06	96.21	
#18	0.00	1.00		1.18	5.33	95.03	
#25	0.50	0.71		1.55	7.00	93.48	
#35	1.00	0.50		1.65	8.77	91.83	
#45	1.50	0.35		1.46	10.34	90.37	
#60	2.00	0.25		2.28	12.79	88.09	
#80	2.50	0.18		3.97	17.05	84.12	
#120	3.00	0.13		20.24	38.80	63.88	
#170	3.50	0.09		29.22	70.19	34.66	
#200	3.75	0.07		12.38	83.49	22.28	
#230	4.00	0.06		7.00	91.01	15.28	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.97	3.70	3.24	2.73	2.50	0.01	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.73	0.15	1.3	-2.54	9.97		