



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-V03 #A3-V3-1							
Analysis Date: 02-07-14							
Analyzed By: CRM Sr							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
471,981		1,013,485		Florida State Plane West		-35.0 NAVD 88	
USCS:		Munsell:		Comments:			
SP							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
112.36	109.41			#200 - 3.19 #230 - 2.62			42.00
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		0.21	0.24	99.79	
#4	-2.25	4.76		0.22	0.49	99.57	
#5	-2.00	4.00		0.20	0.72	99.37	
#7	-1.50	2.83		0.67	1.47	98.70	
#10	-1.00	2.00		1.29	2.92	97.41	
#14	-0.50	1.41		2.22	5.41	95.19	
#18	0.00	1.00		4.65	10.63	90.54	
#25	0.50	0.71		10.51	22.44	80.03	
#35	1.00	0.50		17.95	42.61	62.08	
#45	1.50	0.35		16.09	60.69	45.99	
#60	2.00	0.25		12.58	74.82	33.41	
#80	2.50	0.18		6.91	82.58	26.50	
#120	3.00	0.13		15.15	99.60	11.35	
#170	3.50	0.09		7.46	107.98	3.89	
#200	3.75	0.07		0.70	108.77	3.19	
#230	4.00	0.06		0.57	109.41	2.62	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.43	2.85	2.55	1.38	0.64	0.31	-0.48	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.41	0.38	1.19	-0.3	3.05		

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-V03 #A3-V3-2							
Analysis Date: 02-07-14							
Analyzed By: CRM Sr							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
471,981		1,013,485		Florida State Plane West		-40.1 NAVD 88	
USCS:		Munsell:		Comments:			
SM							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
105.95	91.08			#200 - 18.35 #230 - 14.04			15.00
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		3.18	3.37	96.82	
#3.5	-2.50	5.66		0.47	3.87	96.35	
#4	-2.25	4.76		0.34	4.23	96.01	
#5	-2.00	4.00		0.21	4.45	95.80	
#7	-1.50	2.83		0.66	5.15	95.14	
#10	-1.00	2.00		0.99	6.20	94.15	
#14	-0.50	1.41		1.04	7.30	93.11	
#18	0.00	1.00		1.44	8.83	91.67	
#25	0.50	0.71		2.56	11.54	89.11	
#35	1.00	0.50		3.24	14.97	85.87	
#45	1.50	0.35		2.88	18.02	82.99	
#60	2.00	0.25		2.79	20.98	80.20	
#80	2.50	0.18		4.03	25.25	76.17	
#120	3.00	0.13		21.88	48.43	54.29	
#170	3.50	0.09		27.11	77.15	27.18	
#200	3.75	0.07		8.83	86.51	18.35	
#230	4.00	0.06		4.31	91.08	14.04	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.89	3.56	3.08	2.53	1.32	-1.43	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.31	0.20	1.8	-2.2	7.56		