



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-Area4-V07 #A4-V7-1							
Analysis Date: 02-11-14							
Analyzed By: CRM Sr							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
459,577		1,020,704		Florida State Plane West		-37.6 NAVD 88	
USCS:		Munsell:		Comments:			
SP							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%): #200 - 2.29 #230 - 2.16	Organics (%):	Carbonates (%):	Shells (%):
117.45	114.90						52.00
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		0.48	0.56	99.52	
#4	-2.25	4.76		0.12	0.70	99.40	
#5	-2.00	4.00		0.40	1.17	99.00	
#7	-1.50	2.83		0.74	2.04	98.26	
#10	-1.00	2.00		1.49	3.79	96.77	
#14	-0.50	1.41		2.39	6.60	94.38	
#18	0.00	1.00		5.13	12.62	89.25	
#25	0.50	0.71		10.57	25.04	78.68	
#35	1.00	0.50		18.02	46.20	60.66	
#45	1.50	0.35		20.31	70.05	40.35	
#60	2.00	0.25		15.81	88.62	24.54	
#80	2.50	0.18		8.34	98.41	16.20	
#120	3.00	0.13		11.23	111.60	4.97	
#170	3.50	0.09		2.47	114.50	2.50	
#200	3.75	0.07		0.21	114.75	2.29	
#230	4.00	0.06		0.13	114.90	2.16	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.00	2.51	1.99	1.26	0.60	0.25	-0.63	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.22	0.43	1.1	-0.57	4.05		

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Project Name: Sarasota County Public Works							
Sample Name: SK-Area4-V07 #A4-V7-2							
Analysis Date: 02-11-14							
Analyzed By: CRM Sr							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
459,577		1,020,704		Florida State Plane West		-42.4 NAVD 88	
USCS:		Munsell:		Comments:			
SP-SM							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
119.92	112.94			#200 - 10.38 #230 - 5.81			20.00
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		1.93	2.31	98.07	
#4	-2.25	4.76		0.16	2.50	97.91	
#5	-2.00	4.00		0.28	2.83	97.63	
#7	-1.50	2.83		0.51	3.44	97.12	
#10	-1.00	2.00		0.64	4.21	96.48	
#14	-0.50	1.41		0.83	5.20	95.65	
#18	0.00	1.00		1.53	7.04	94.12	
#25	0.50	0.71		2.59	10.14	91.53	
#35	1.00	0.50		4.08	15.03	87.45	
#45	1.50	0.35		3.99	19.81	83.46	
#60	2.00	0.25		4.61	25.34	78.85	
#80	2.50	0.18		5.65	32.12	73.20	
#120	3.00	0.13		30.58	68.79	42.62	
#170	3.50	0.09		26.79	100.92	15.83	
#200	3.75	0.07		5.45	107.46	10.38	
#230	4.00	0.06		4.57	112.94	5.81	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.50	3.33	2.88	2.34	1.43	-0.29	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.42	0.19	1.38	-2.17	8.19		