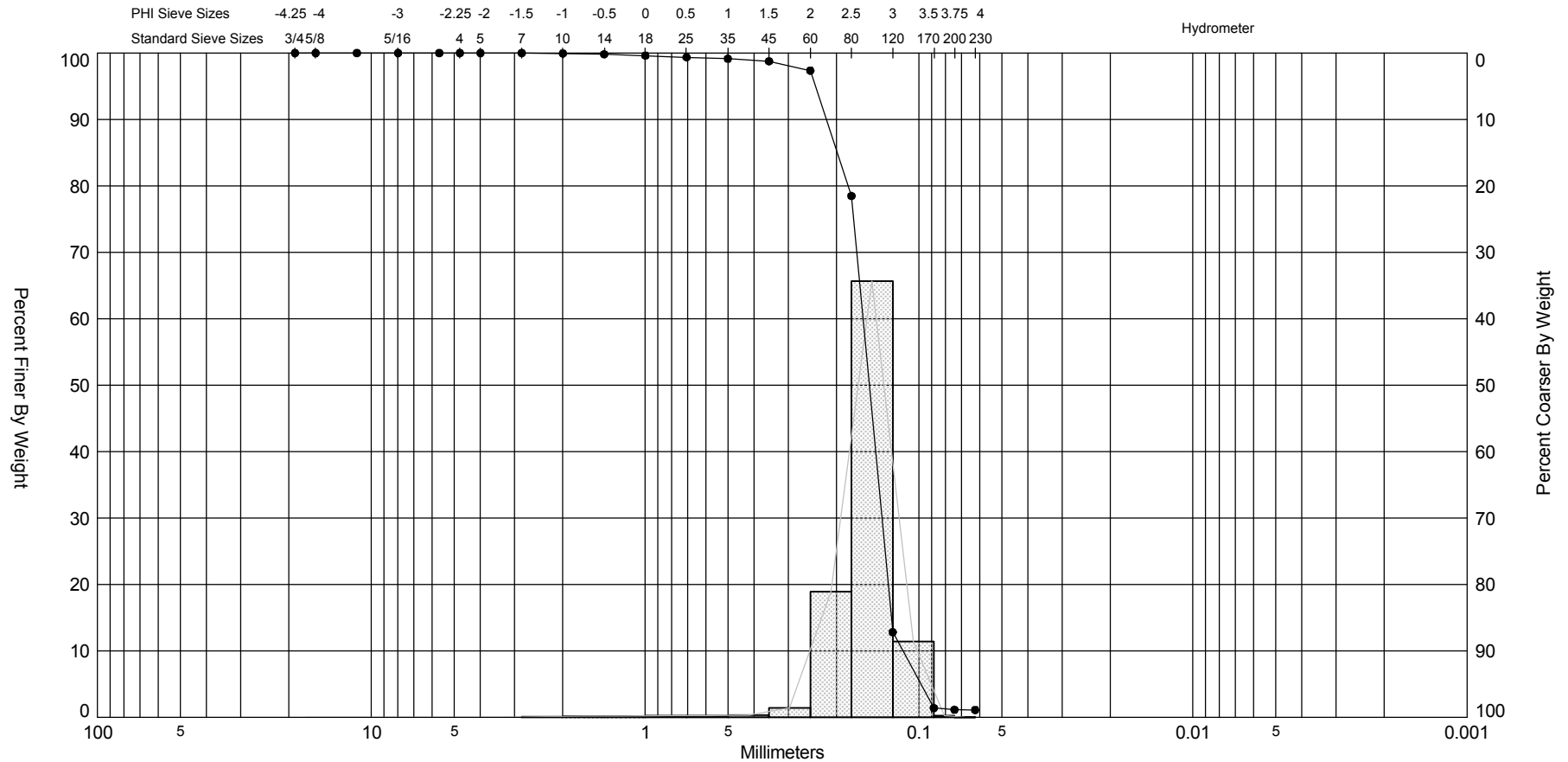



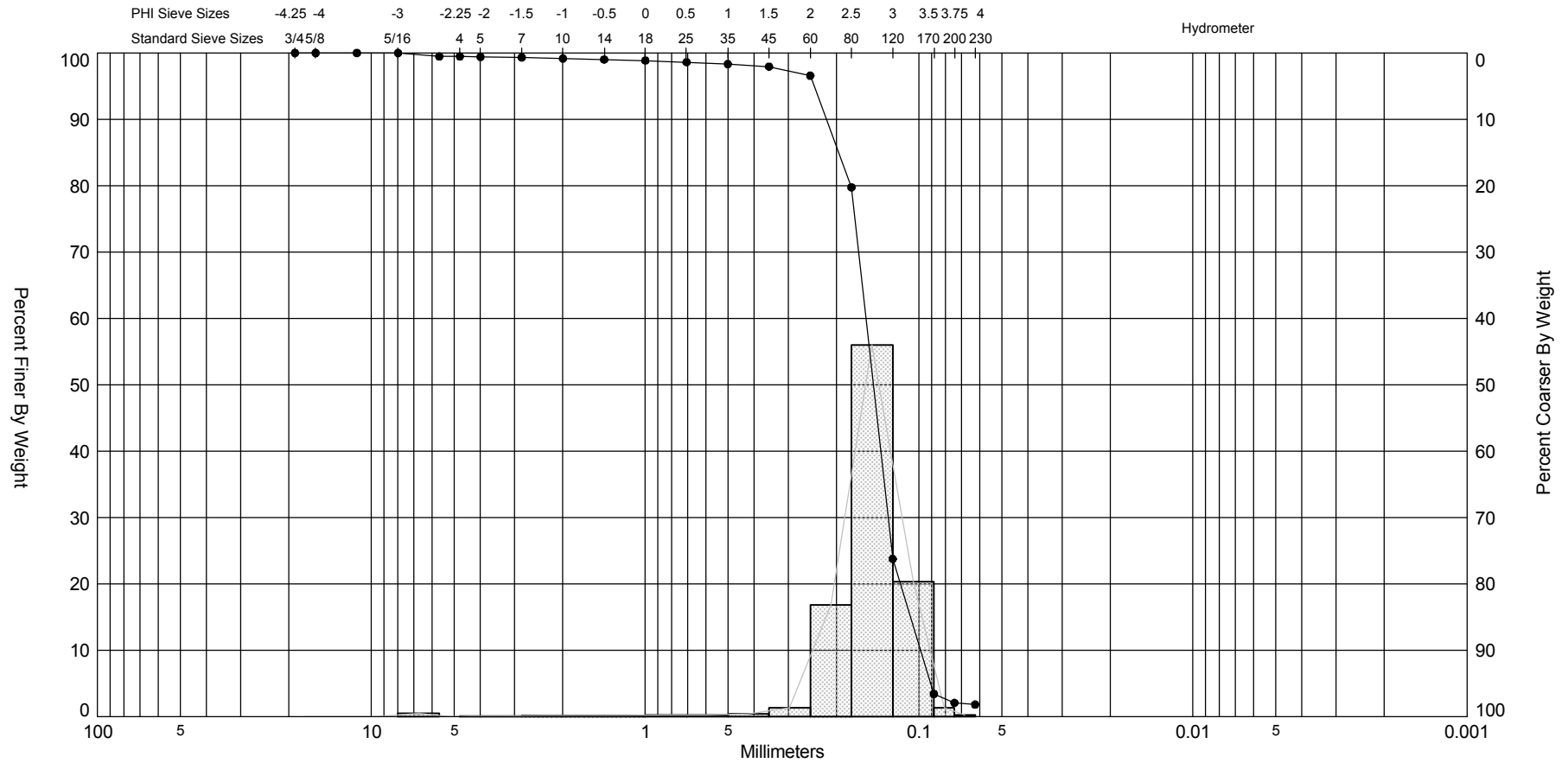
SIEVE ANALYSIS 2010: AMVC_PIPELINE_ROUTE.GPJ JPBBRAZIL.GDT 11/17/10




Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

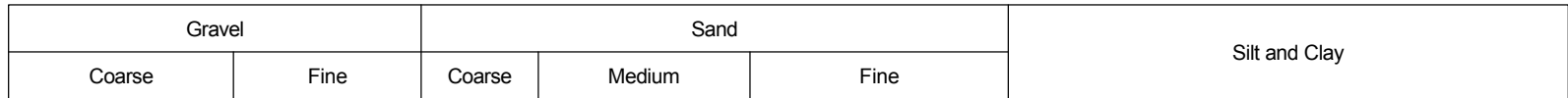
Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
AMVC-10-19 #1	—●—	-23.7	SP	#200 - 1.13 #230 - 1.11		3	2.72	2.67	-3.04	23.5	0.41	Project Name:	Manatee Co. Pipeline Sand Search
Comments:												Analysis Date:	04-14-10
Depths and elevations based on measured values												Analyzed By:	KG
						Coastal Planning & Engineering						Easting (X, ft):	399,146
						2481 NW Boca Raton Blvd, Boca Raton						Northing (Y, ft):	1,167,358
						FL 33431						Horizontal System:	NAD 1983
						ph (561) 391-8102 fax (561) 391-9116						Vertical System:	NAVD 88

SIEVE ANALYSIS 2010: AMVC_PIPELINE_ROUTE.GPJ JPBRAZIL.GDT 11/17/10

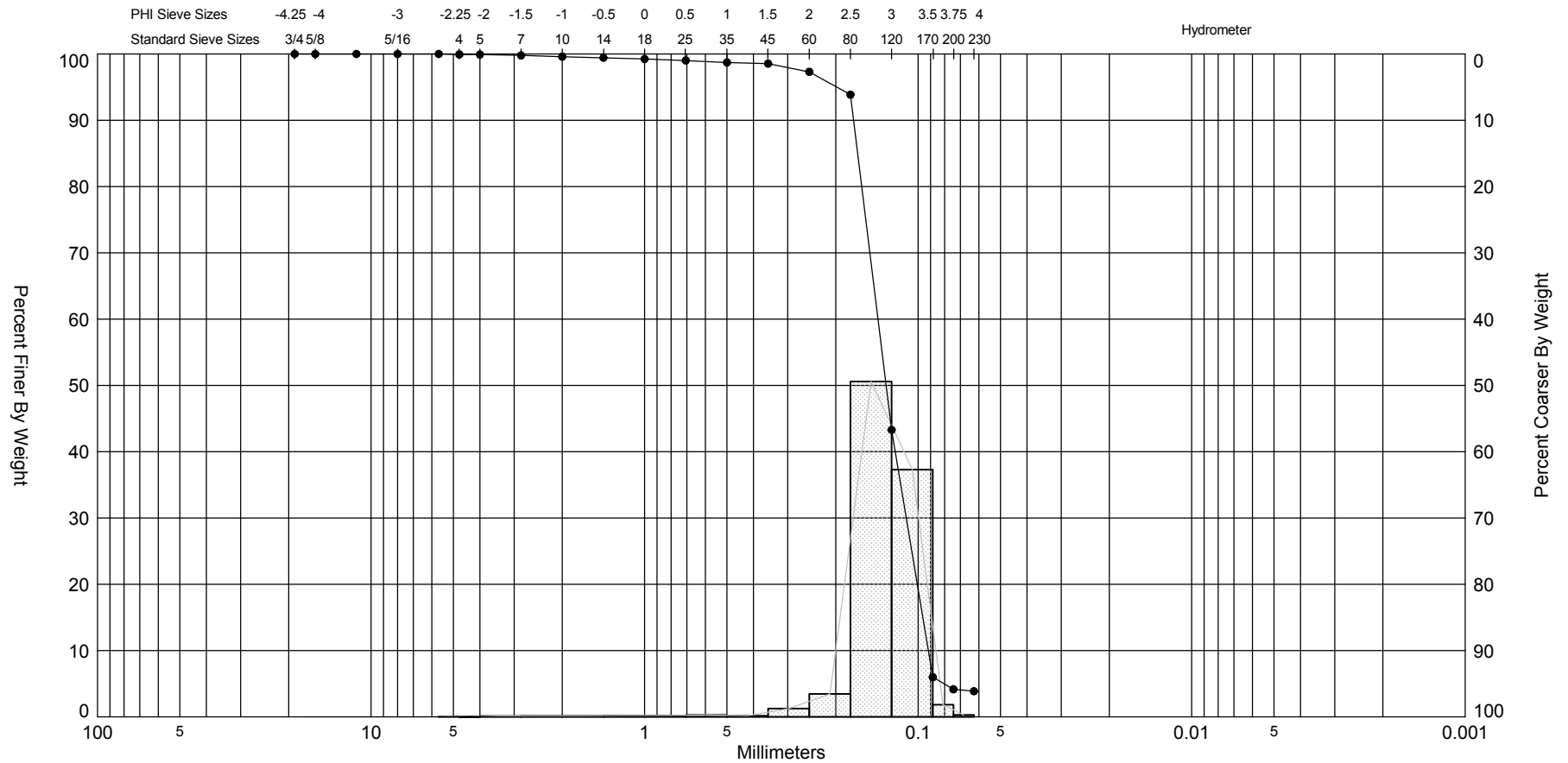


Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	



Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
AMVC-10-19 #2	—●—	-27.0	SP	#200 - 2.07 #230 - 1.81		4	2.77	2.7	-4.83	37.86	0.64	Project Name:	Manatee Co. Pipeline Sand Search
Comments:												Analysis Date:	04-13-10
Depths and elevations based on measured values												Analyzed By:	KG
						Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116						Easting (X, ft):	399,146
												Northing (Y, ft):	1,167,358
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88



Coastal Planning & Engineering
2481 NW Boca Raton Blvd, Boca Raton
FL 33431
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Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
AMVC-10-19 #4		-29.9	SP	#200 - 4.16 #230 - 3.87			2.93	2.89	-4.48	35.57	0.52	Project Name:	Manatee Co. Pipeline Sand Search
Comments:												Analysis Date:	04-29-10
Depths and elevations based on measured values												Analyzed By:	TD
						Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116						Easting (X, ft):	399,146
												Northing (Y, ft):	1,167,358
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88