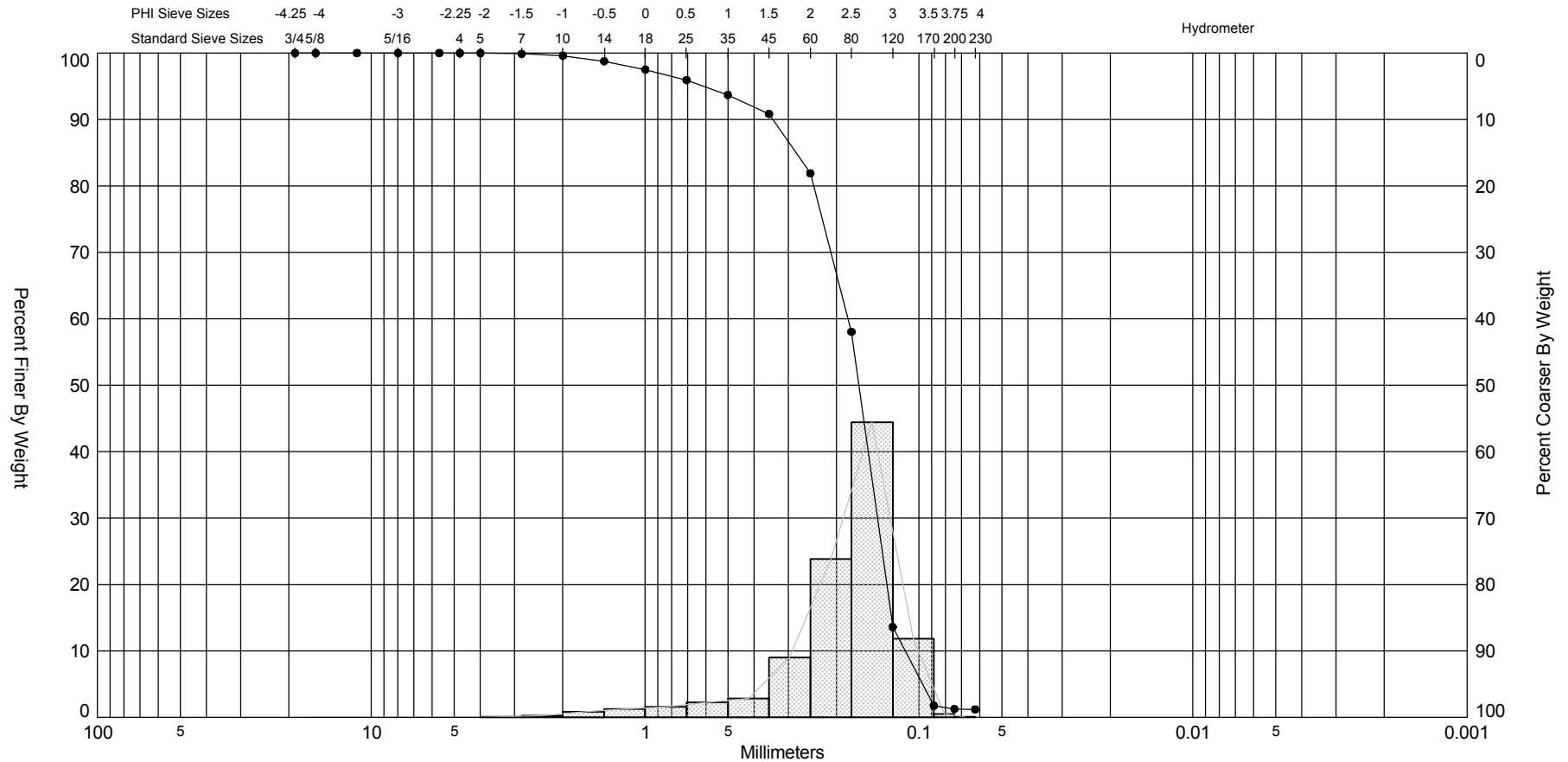



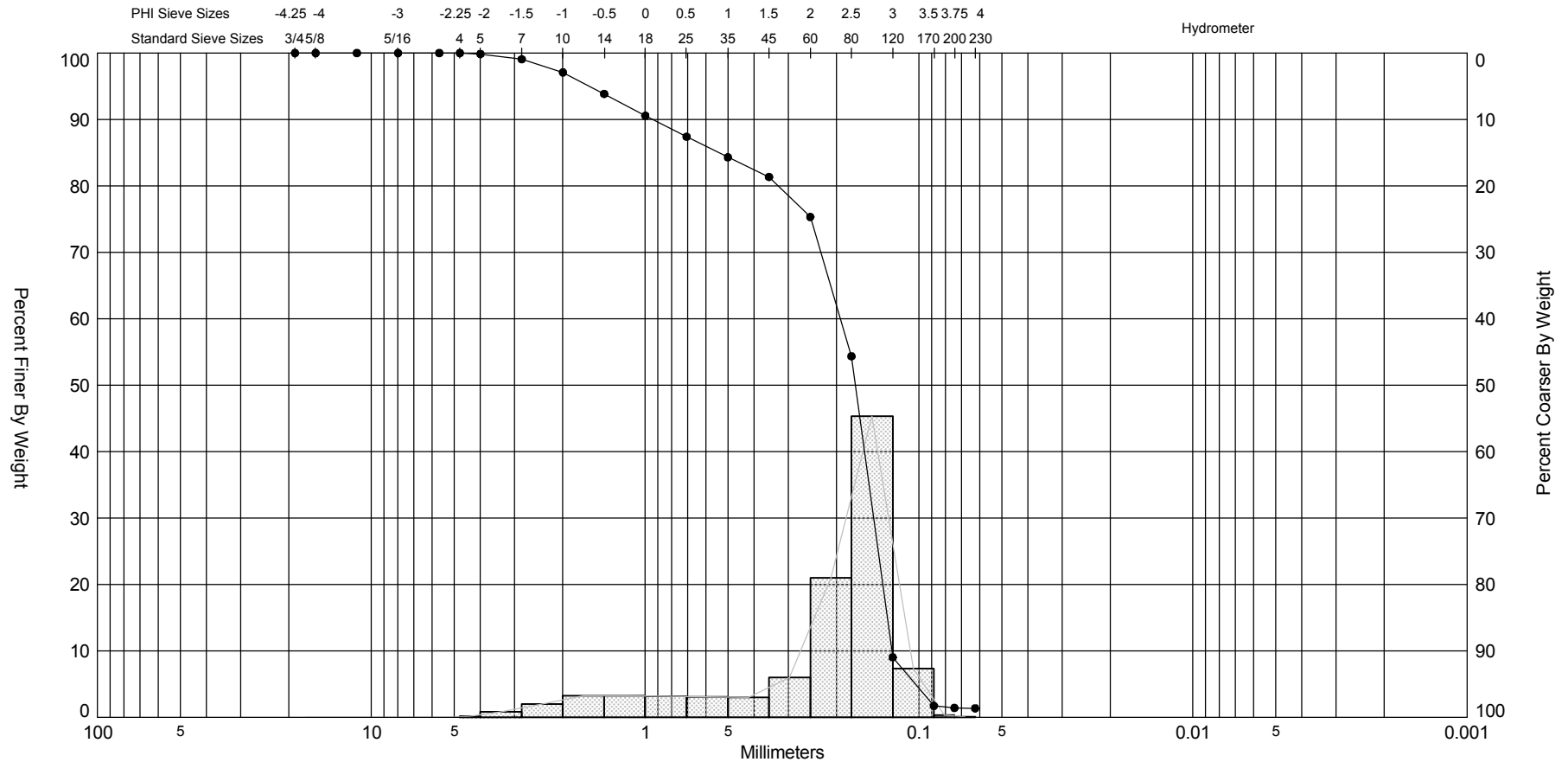
SIEVE ANALYSIS 2010: AMVC_PIPELINE_ROUTE.GPJ JPBBRAZIL.GDT 11/17/10



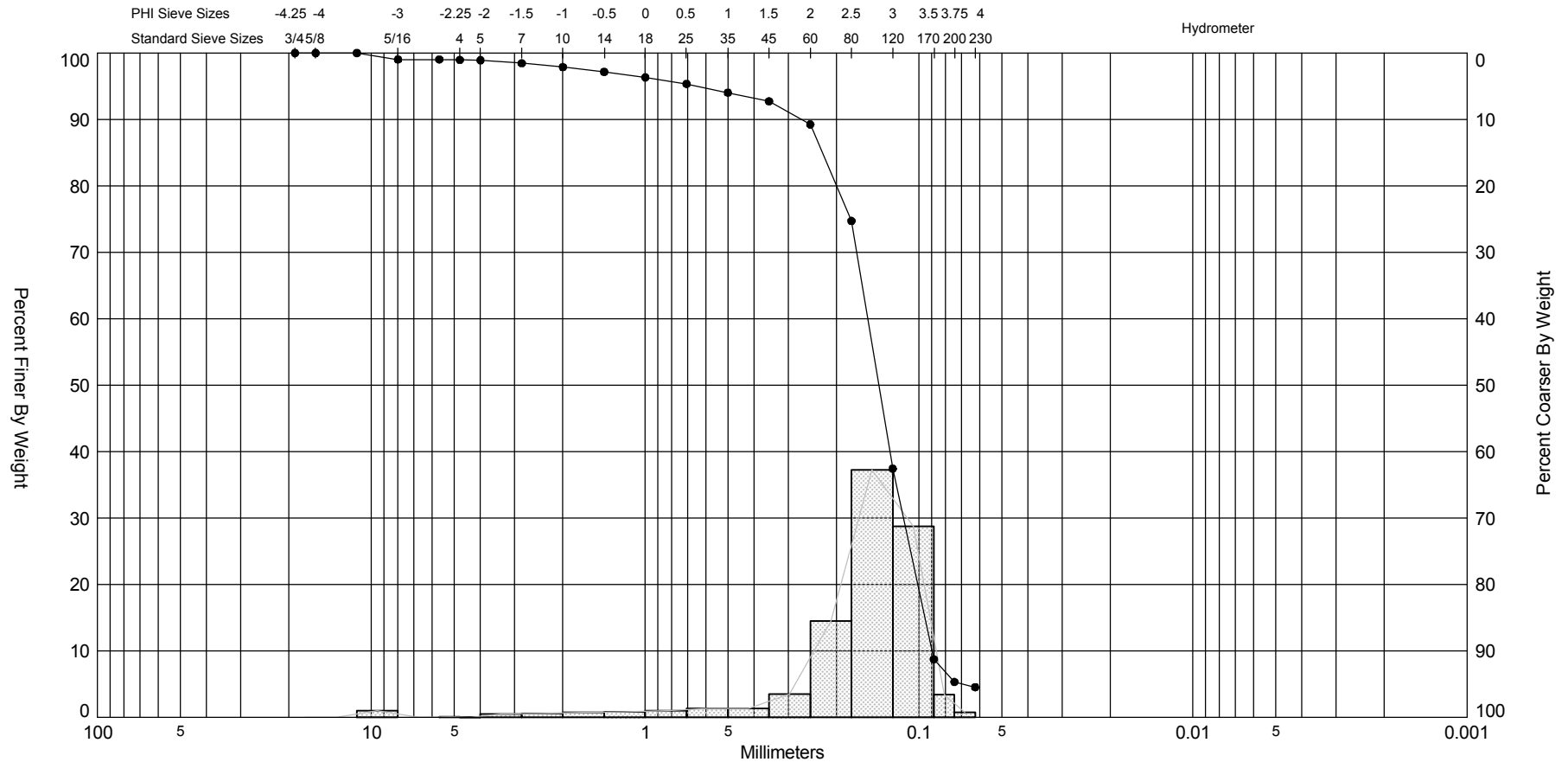
Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
AMVC-10-17 #1	—●—	-26.3	SP	#200 - 1.26 #230 - 1.20		10	2.59	2.39	-2.01	8.17	0.77	Project Name:	Manatee Co. Pipeline Sand Search
Comments:												Analysis Date:	04-13-10
Depths and elevations based on measured values												Analyzed By:	TD
						Coastal Planning & Engineering						Easting (X, ft):	400,233
						2481 NW Boca Raton Blvd, Boca Raton						Northing (Y, ft):	1,168,979
						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 JPBBRAZIL.GDT 11/17/10

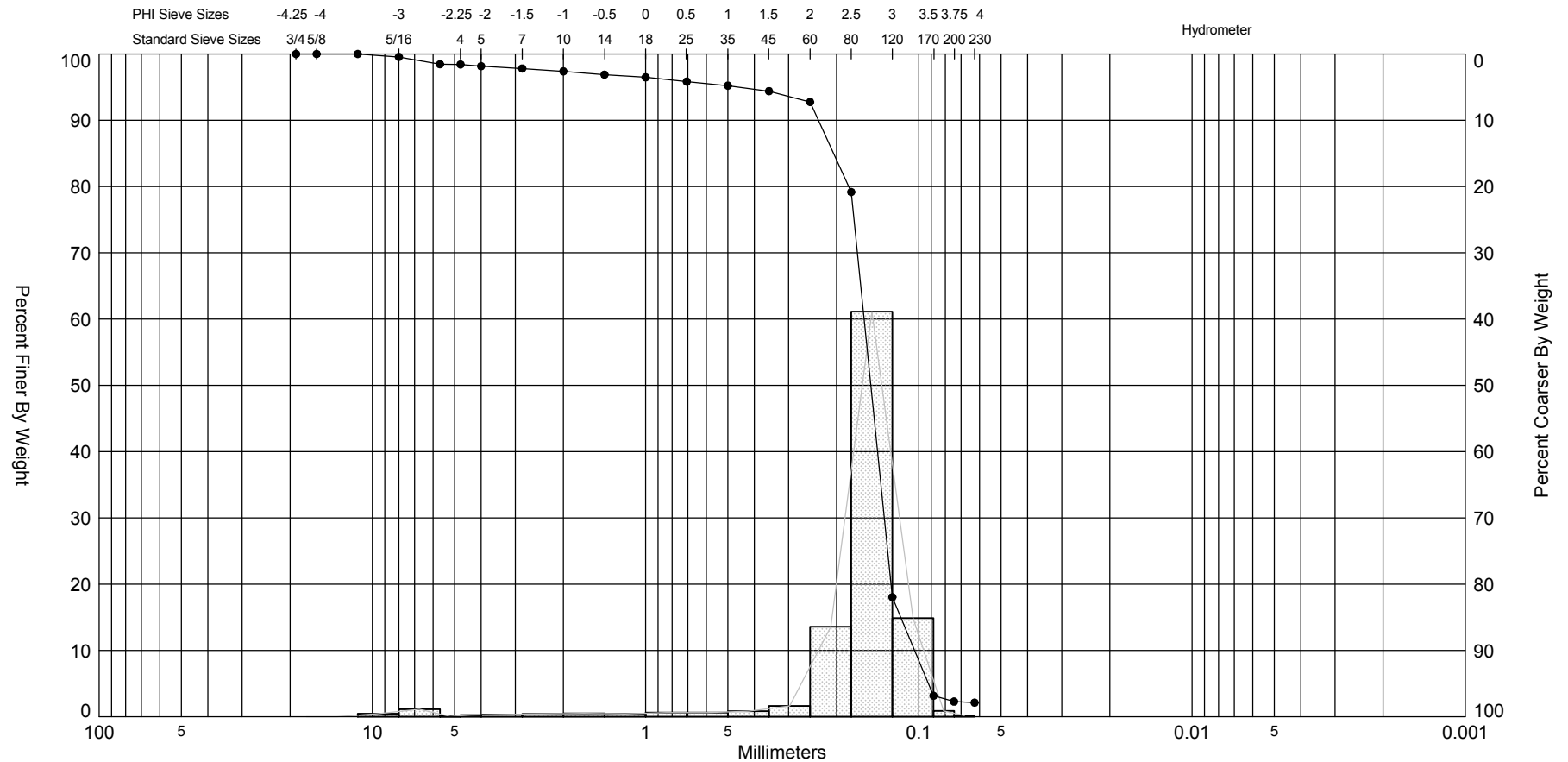


SIEVE ANALYSIS 2010: AMVC_PIPELINE_ROUTE.GPJ JPBRAZIL.GDT 11/19/10





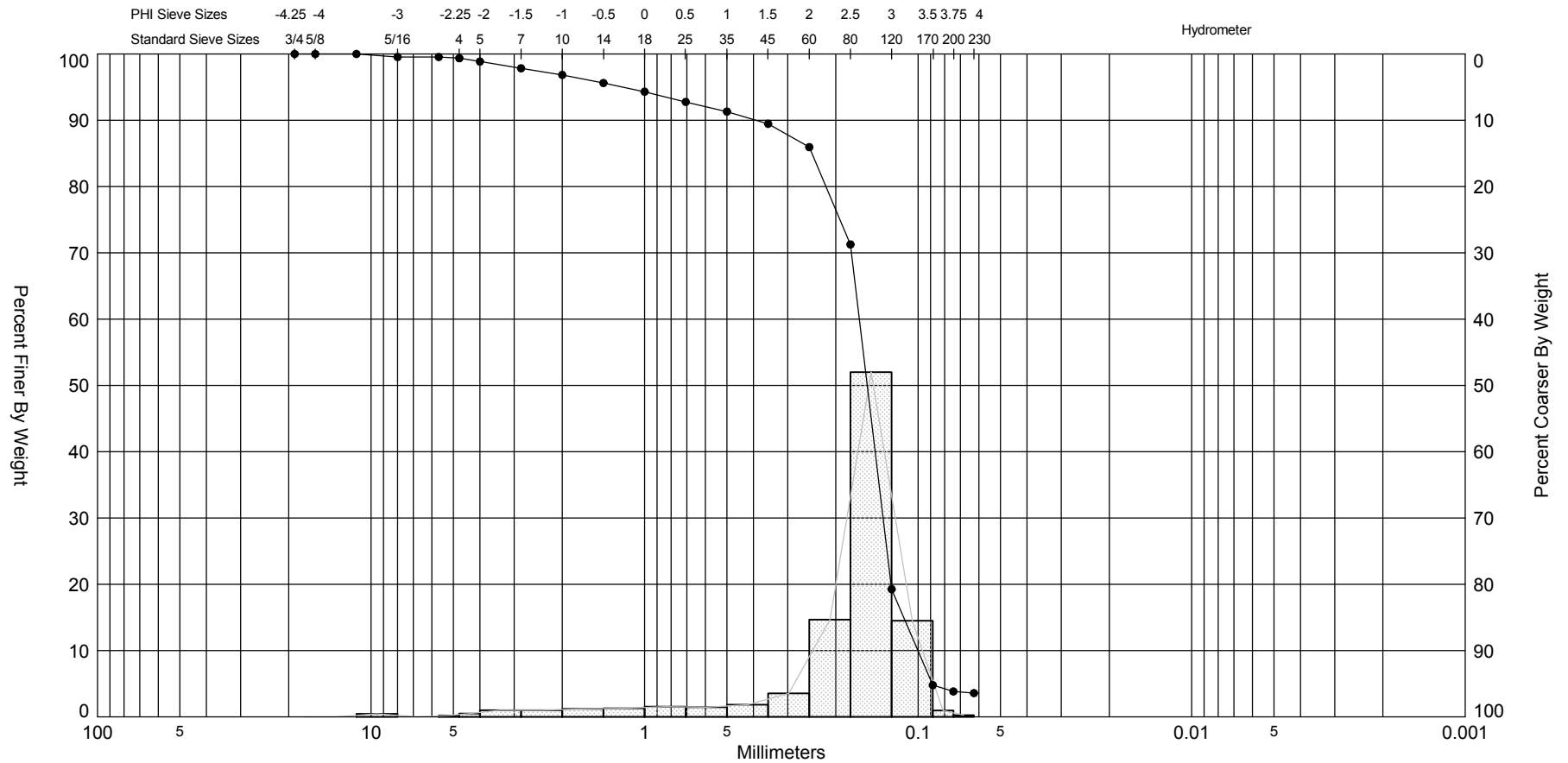
Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
AMVC-10-17 #3	—●—	-30.5	SW-SM	#200 - 5.32 #230 - 4.54		12	2.83	2.59	-3.16	15.35	1.04	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 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116						Easting (X, ft):	400,233
												Northing (Y, ft):	1,168,979
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88





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-10-17 #4		-34.2	SW	#200 - 2.28 #230 - 2.12			2.74	2.54	-3.97	20.37	0.98	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):	400,233
												Northing (Y, ft):	1,168,979
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88



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-10-17 #5		-36.8	SW	#200 - 3.83 #230 - 3.58			2.7	2.39	-2.7	10.7	1.09	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):	400,233
												Northing (Y, ft):	1,168,979
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88