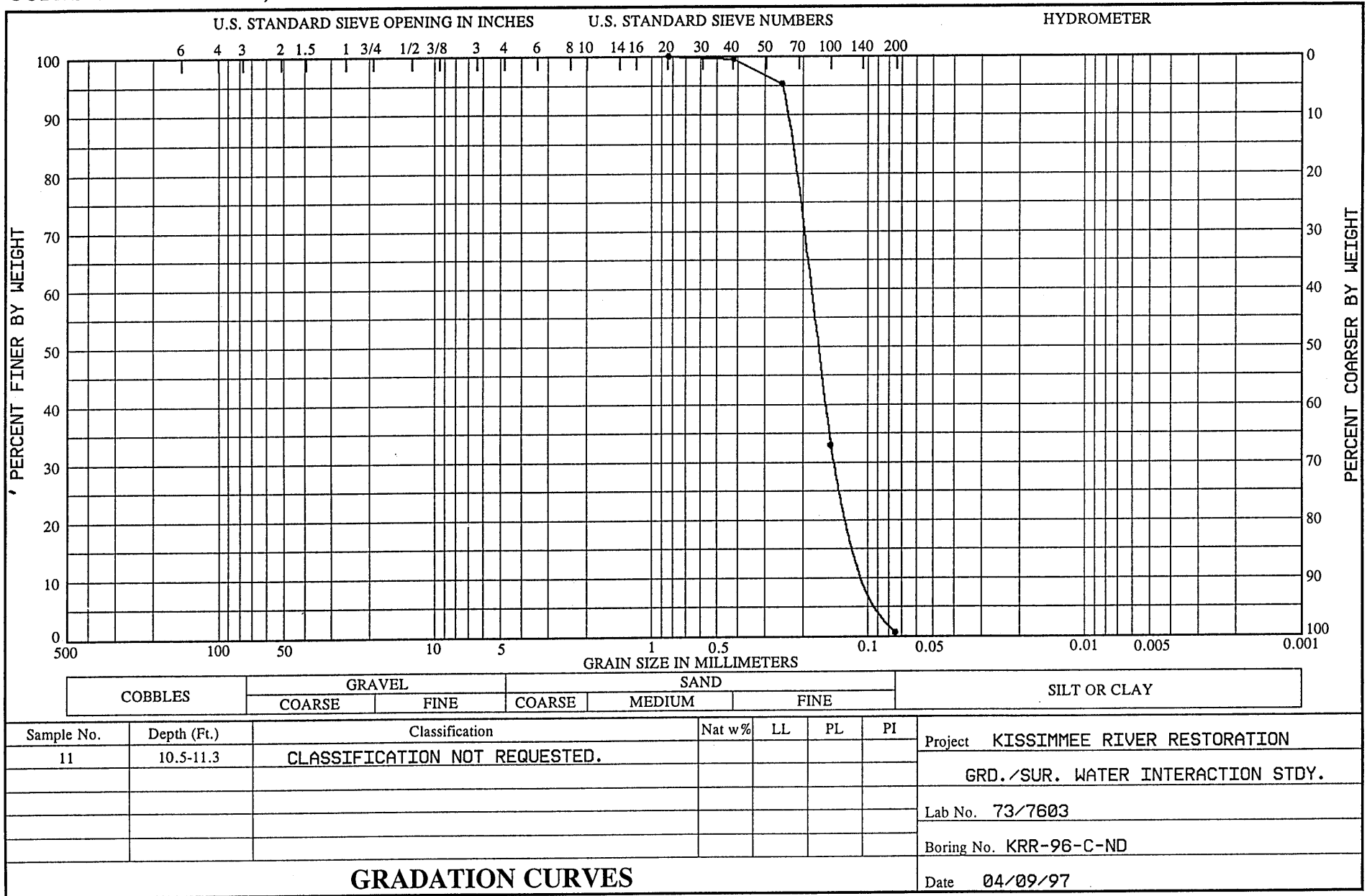


DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
 CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 8172
 REQUISITION: W32CS570312365



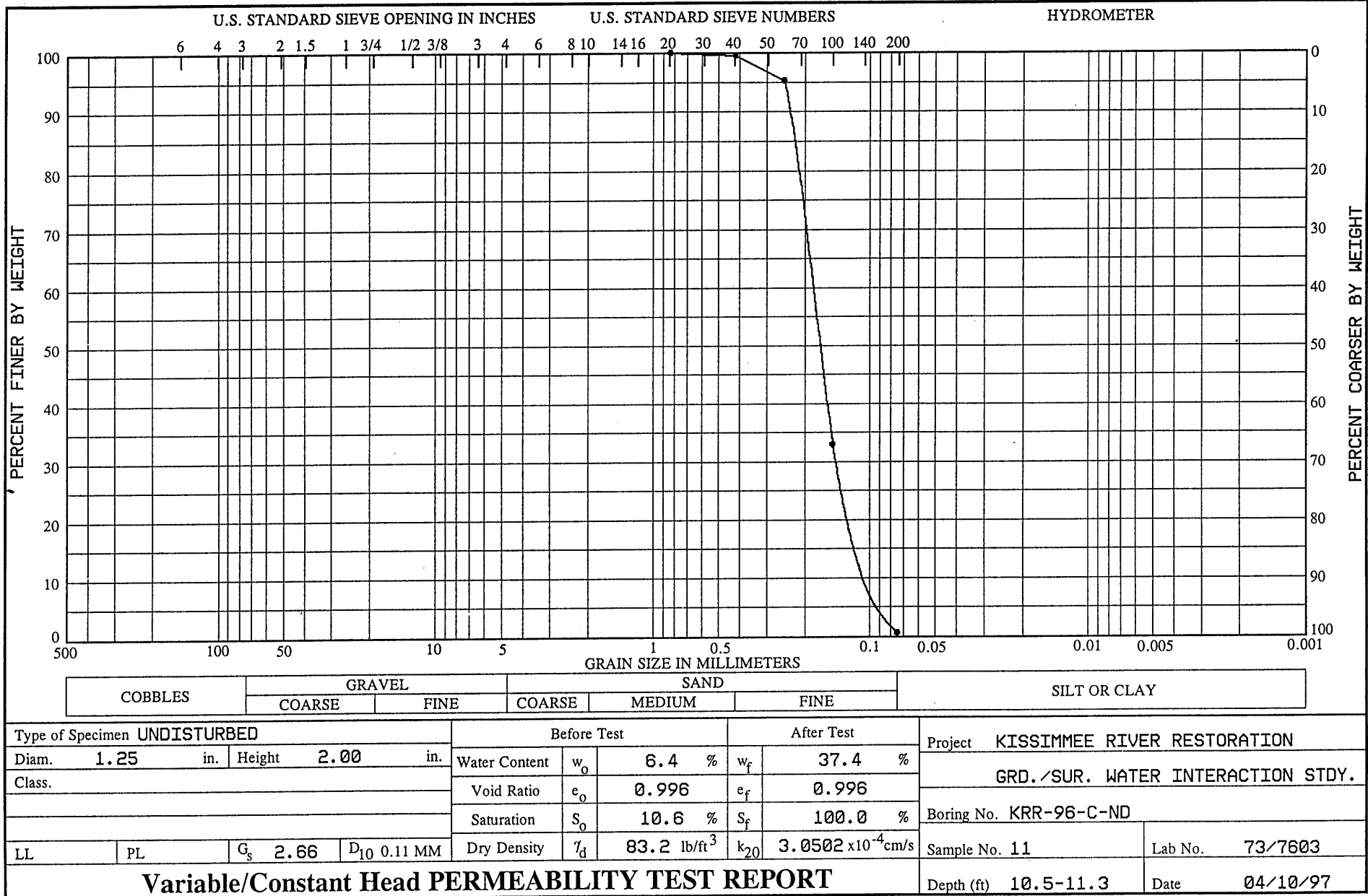
COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth (Ft.)	Classification	Nat w%	LL	PL	PI	Project
11	10.5-11.3	CLASSIFICATION NOT REQUESTED.					KISSIMMEE RIVER RESTORATION
							GRD./SUR. WATER INTERACTION STDY.
							Lab No. 73/7603
							Boring No. KRR-96-C-ND
GRADATION CURVES							Date 04/09/97



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COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

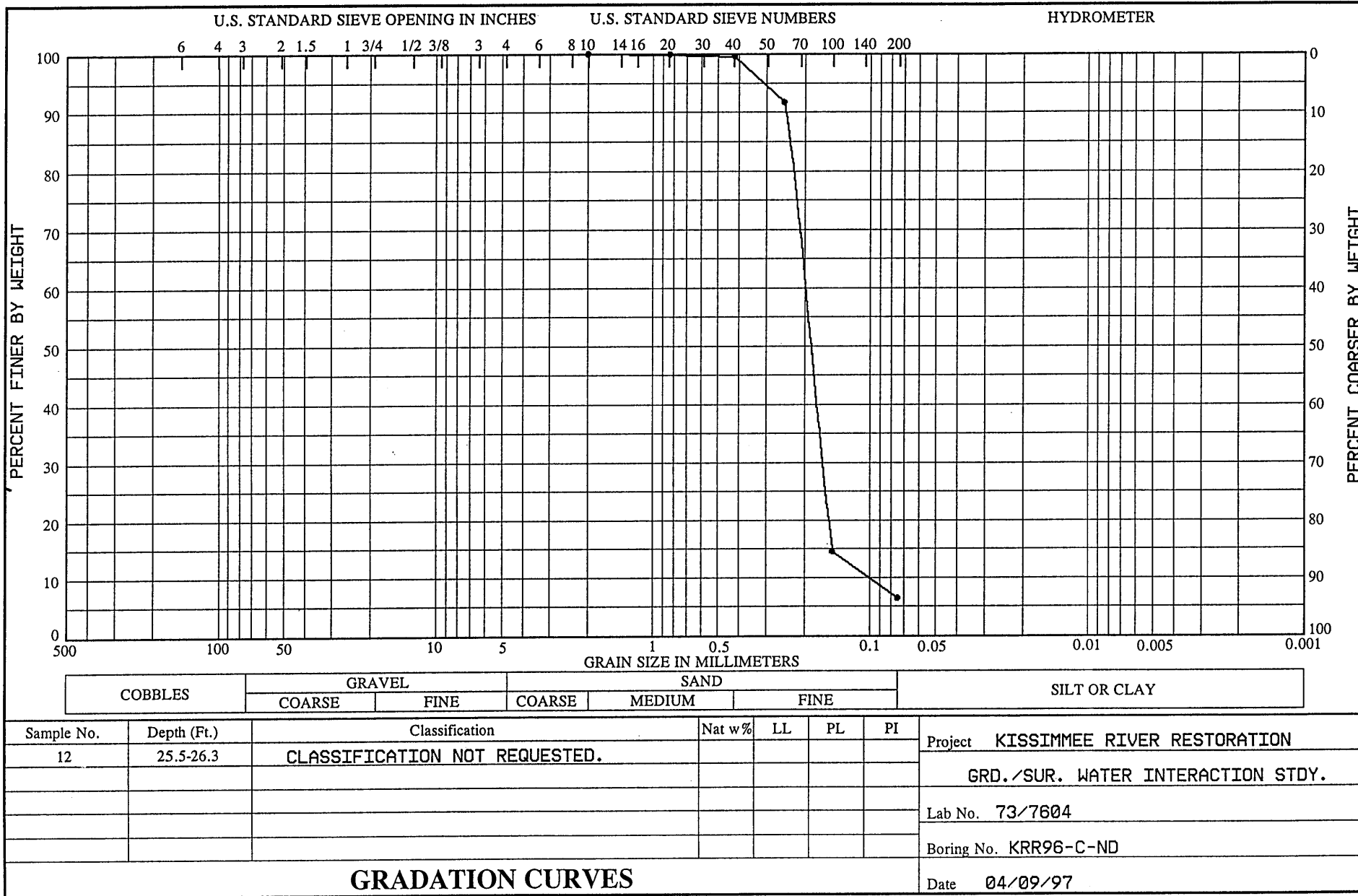
Type of Specimen UNDISTURBED				Before Test		After Test		Project KISSIMMEE RIVER RESTORATION								
Diam.	1.25	in.	Height	2.00	in.	Water Content	w _o	6.4	%	w _f	37.4	%	GRD./SUR. WATER INTERACTION STDY.			
Class.						Void Ratio	e _o	0.996		e _f	0.996		Boring No. KRR-96-C-ND			
LL	PL	G _s	2.66	D ₁₀	0.11 MM	Saturation	S _o	10.6	%	S _f	100.0	%	Sample No.	11	Lab No.	73/7603
Dry Density						γ _d	83.2	lb/ft ³	k ₂₀	3.0502	x10 ⁻⁴	cm/s	Depth (ft)	10.5-11.3	Date	04/10/97

Variable/Constant Head PERMEABILITY TEST REPORT



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COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth (Ft.)	Classification	Nat w%	LL	PL	PI	Project
12	25.5-26.3	CLASSIFICATION NOT REQUESTED.					KISSIMMEE RIVER RESTORATION
							GRD./SUR. WATER INTERACTION STDY.
							Lab No. 73/7604
							Boring No. KRR96-C-ND

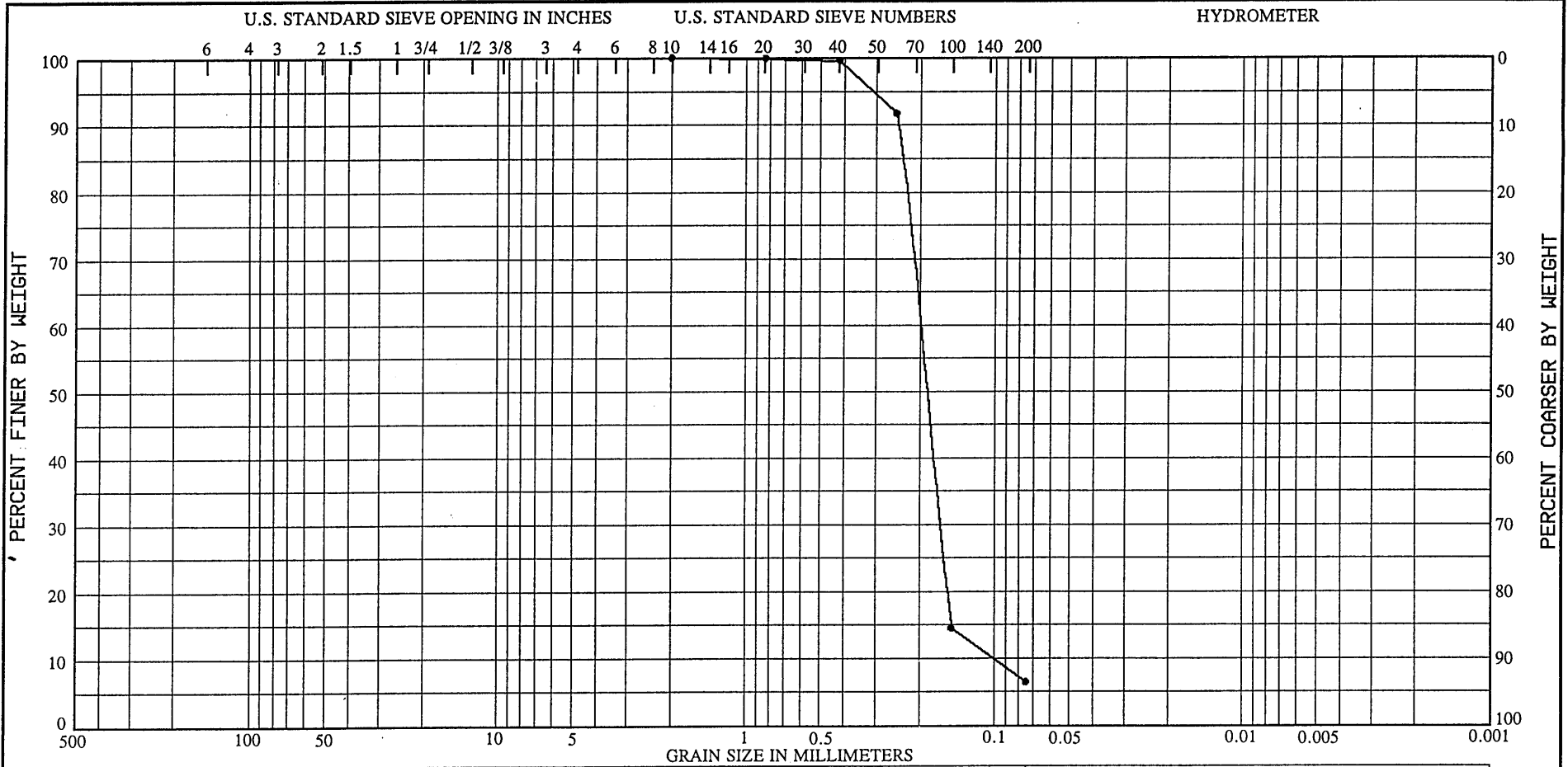
GRADATION CURVES

Date 04/09/97



DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
 CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 8172
 REQUISITION: W32CS570312365



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Type of Specimen UNDISTURBED				Before Test		After Test		Project KISSIMMEE RIVER RESTORATION							
Diam.	1.25	in.	Height	2.00	in.	Water Content	w _o	3.2	%	w _f	33.3	%	GRD./SUR. WATER INTERACTION STDY.		
Class.						Void Ratio	e _o	0.885		e _f	0.885		Boring No. KRR96-C-ND		
					Saturation	S _o	11.1	%	S _f	100.0	%	Sample No. 12			
LL	PL	G _s	2.66	D ₁₀	0.1 MM	Dry Density	γ _d	88.1	lb/ft ³	k ₂₀	30.6251	x10 ⁻⁴	cm/s	Lab No.	73/7604
Variable/Constant Head PERMEABILITY TEST REPORT										Depth (ft)		25.5-26.3	Date	04/10/97	

