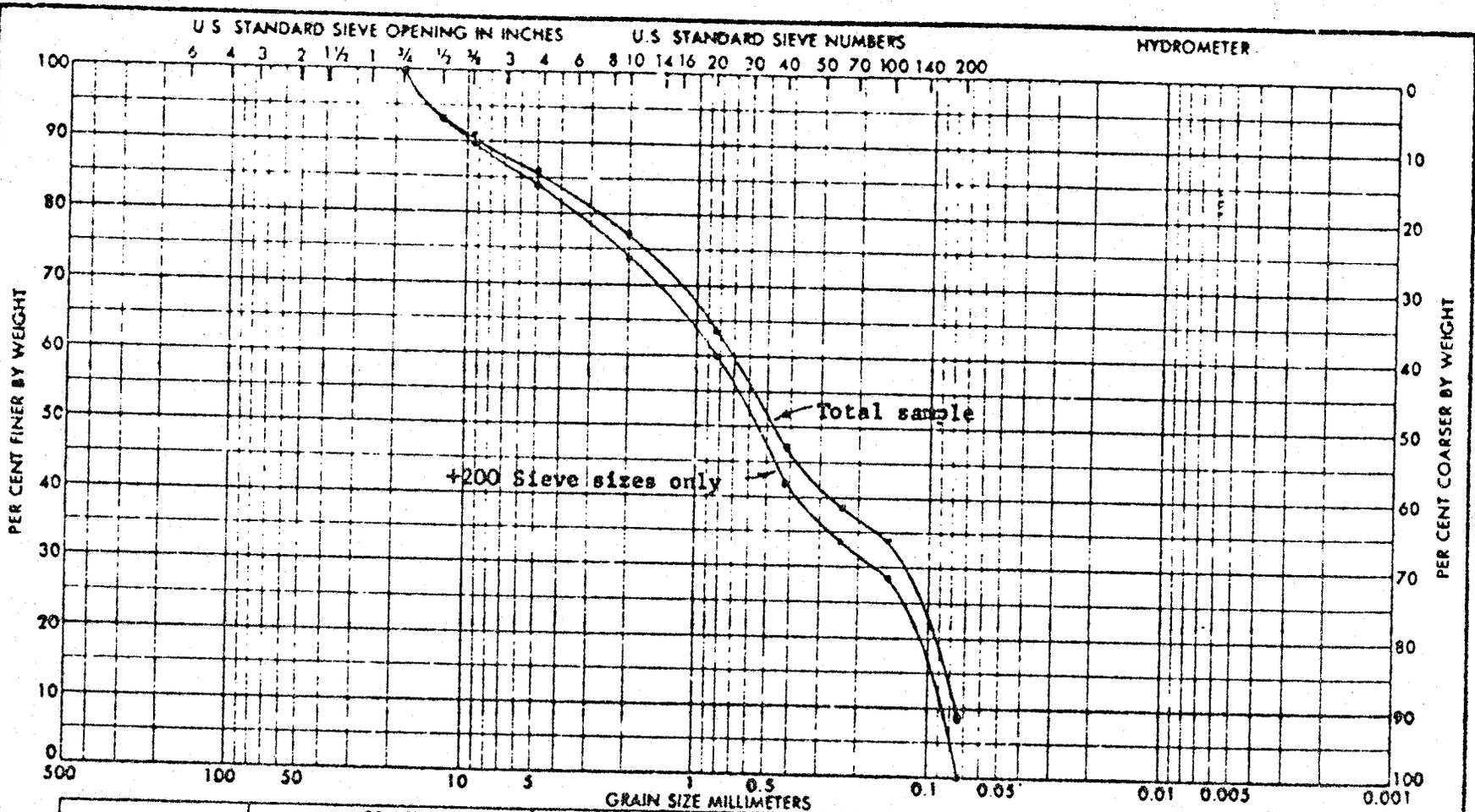


Section No. 106	South Atlantic	Jacksonville District	Sheet 2
Judge River County Beach Restoration		Project No. 106-1	Scale 1:100
Alpine Geological (Contract)		CR-37	
J. Kattelle		DATE 5-20-78	TIME 8:30 AM
Elevation of Bench Mark		19.8'	
Elevation of Bottom			
Elevation of Shell			
Elevation of Sand			
Elevation of Gravel			
Elevation of Shell			
Elevation of Sand			
Elevation of Gravel			
Elevation of Shell			
Elevation of Sand			
Elevation of Gravel			

Elevation	Depth	Color and Description of Sediment	Notes
-25.4	0.0		
-28.4	3.0	SAND, medium to fine grain quartz, loc. to olive gray	2-1/2" core
		Below 3" contains shell fragments and a few small shells, very slightly clayey, gray	
		Sample 8" to 10.8" (SP-10), 40% shell--gravel to sand size	
-36.6	9.0		
		SHELL and lenses of cemented shell and sand, some loose sand and clay	
-37.4	12.0		
		SAND and shell, medium grain, quartz, small shell and fragments, thin clayey zones	
		Sample 10.8" to 16.8" (SH) with clay pockets, 60% shell--gravel to sand size	
-41.4	16.0		
-42.4	17.0	CLAY, sandy, plastic, soft, gray (CL)	
		SAND, medium grain, quartz, little small shell	
-45.2	19.8		
		Sample numbers refer to the sample sent to the SAG Laboratory for grain-size analysis.	
		Laboratory classifications have been added to the log.	



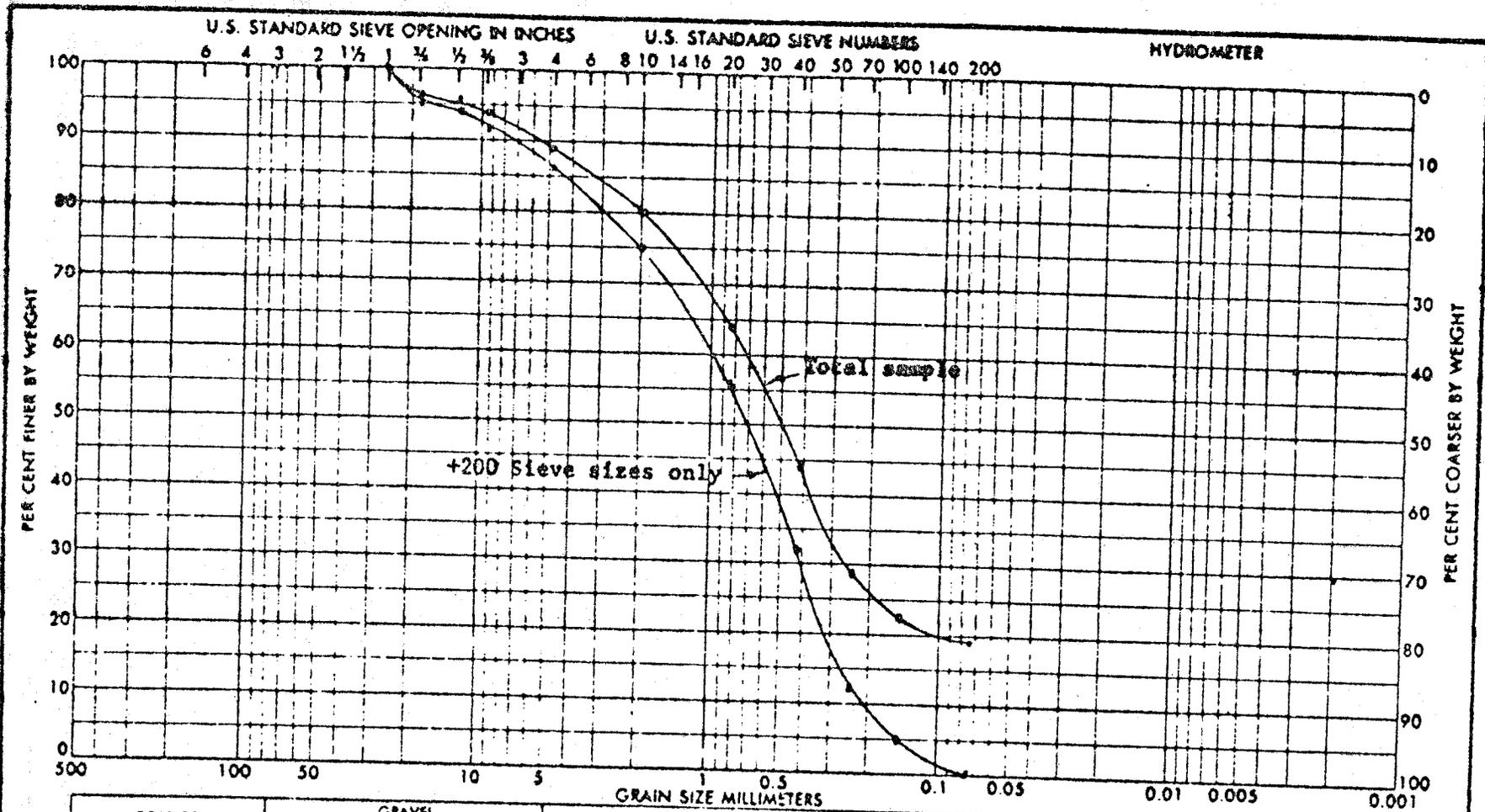
COBBLES		GRAVEL		SAND			SILT OR CLAY	
		COARSE	FINE	COARSE	MEDIUM	FINE		

SAMPLE NO	ELEV OR DEPTH	CLASSIFICATION	NAT W%	LI	PL	PI	PROJECT
--	Depth: 0.0-10.0'	(Total sample) Gray poorly graded shelly silty sand (SP-SM)	--	--	--	--	JACKSONVILLE DISTRICT, Indian River County Beach Erosion Project
	Elev: -25.4/-35.4'	w/gravel size, coarse & medium sand size shell Shell approx. 40%					Lab. No. 73/6024
GRADATION CURVES							AREA
							BORING NO CB-37
							DATE 7 August 1974

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Figure A-29

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COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO	ELEV OR DEPTH	CLASSIFICATION	NAT W%	LL	PL	PI	PROJECT
--	Depth: 10.0-19.8'	(Total sample) Gray shelly silty sand (SM) w/trace clay pockets & trace of gravel size cemented rock & shell. Shell is gravel size.	--	--	--	--	JACKSONVILLE DISTRICT, Indian River County Beach Erosion Project
	Elev: -35.4/-45.2'	coarse & medium sand size. Shell approx. 40%					Lab. No. 73/6025
GRADATION CURVES							AREA
							BOREHOLE NO. CB-37
							DATE 7 August 1974

Figure A-30