

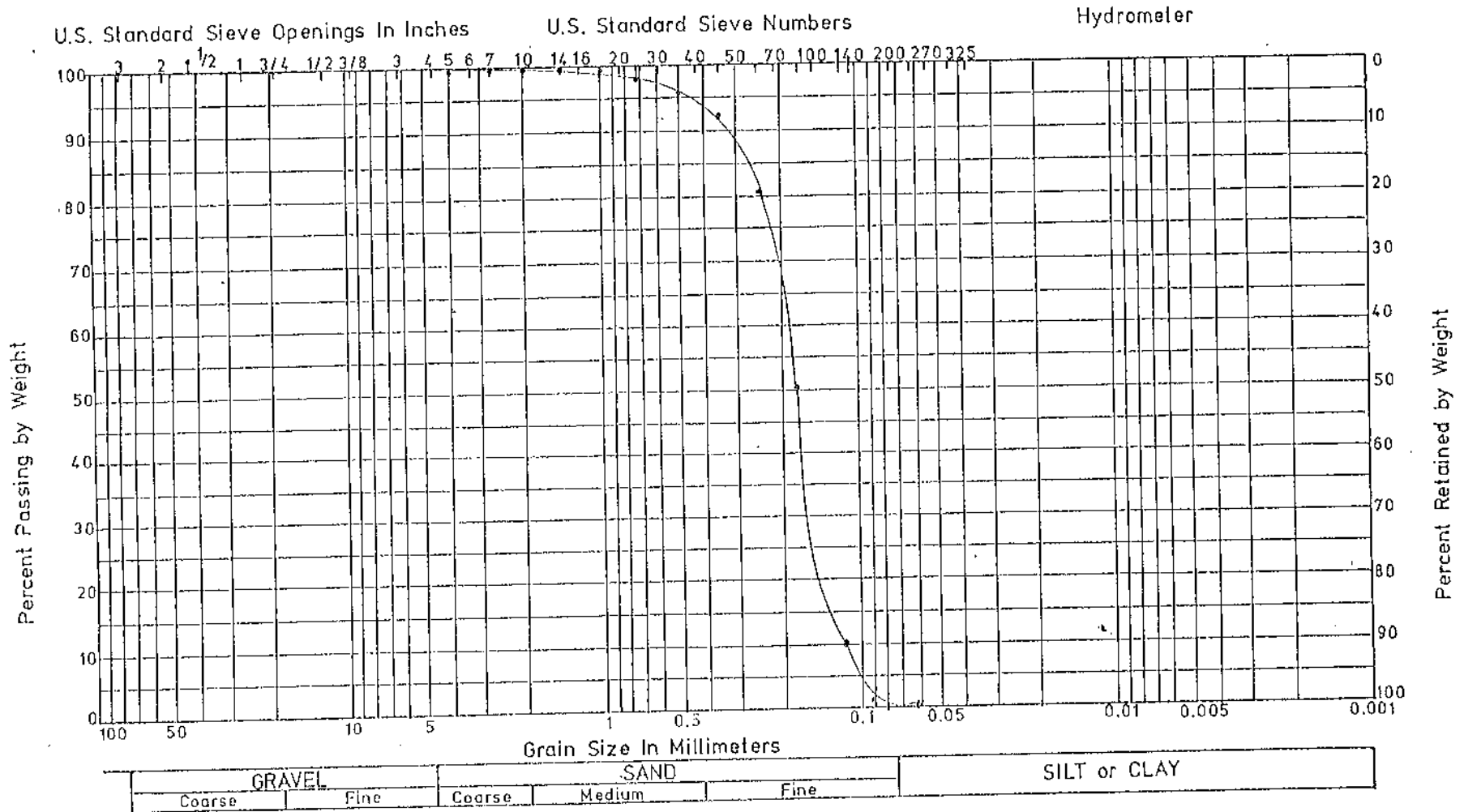
DRILLING LOG		DIVISION: South Atlantic	INSTALLATION: Jacksonville District	SHEET 1 of 1
1. PROJECT		DELRAY BEACH SAND SEARCH		
2. LOCATION		(Coordinates or Station) X= 811401.07 Y=772540.59		
3. DRILLING AGENCY:		EXMAR		
4. HOLE NO.		(As shown on drawing title and file number) DB-87-8		
5. NAME OF DRILLER		M.L. CLARK		
6. DIRECTION OF HOLE		VERTICAL		
7. THICKNESS OF BURDEN		0.0 FT		
8. DEPTH DRILLED INTO ROCK		0.0 FT		
9. TOTAL DEPTH OF HOLE		19.5 FT		
10. SIZE AND TYPE OF BIT		3.0"		
11. DATUM FOR ELEVATION SHOWN		(TBM or MSL) NGVD		
12. MANUFACTURER'S DESIGNATION OF DRILL		EXMAR		
13. TOT NO. OF OVERBURDEN SAMPLES TAKEN		disturbed: 0.0 undisturbed: 0.0		
14. TOTAL NO. OF CORE BOXES		1		
15. ELEVATION GROUND WATER				
16. DATE HOLE		Started Completed 7/16/87 1845		
17. ELEVATION TOP OF HOLE		-56.0 ft.		
18. TOTAL CORE RECOVERY FOR BORING		87%		
19. SIGNATURE OF GEOLOGIST		FK, KB		

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS
-56	0					SP
	1				1	Sample #1, Depth = 3.0' 0.19 mm, 0.79 phi sorting 0.20% silt
	2					
	3					
	4					
	5					
	6		SAND, fine grained, Gray (SP)			
	7					
	8				2	Sample #2, Depth = 8.0' 0.18 mm, 0.58 phi sorting 1.0% silt
	9					
	10					
-67	11		SHELL Layer, (SP) from -67.0 to -67.3'			
	12					
	13		fine grained, with small quantity of shell fragments, higher silt with decreasing depth. Gray (SP) from -67.3' to -71.5'		3	Sample #3, Depth = 13.0' 0.22 mm, 0.67 phi sorting 0.20% silt
	14					
-71.5	15					
-72.5	16		SAND, coarse grained, with coral fragments, (<3.0"), Gray (GP)		4	Sample #4, Depth= 16.5' 0.92 mm, 3.09 phi sorting 3.50% silt
-73	17		SOLID CORAL			
	18					
	19		NO RECOVERY			
-75.5	20		End of Boring			
	21					
	22		Note: Soils are classified in accordance with the Unified Soils Classification System.			
	23					
	24					

PROJECT: Delray Beach

HOLE NUMBER:

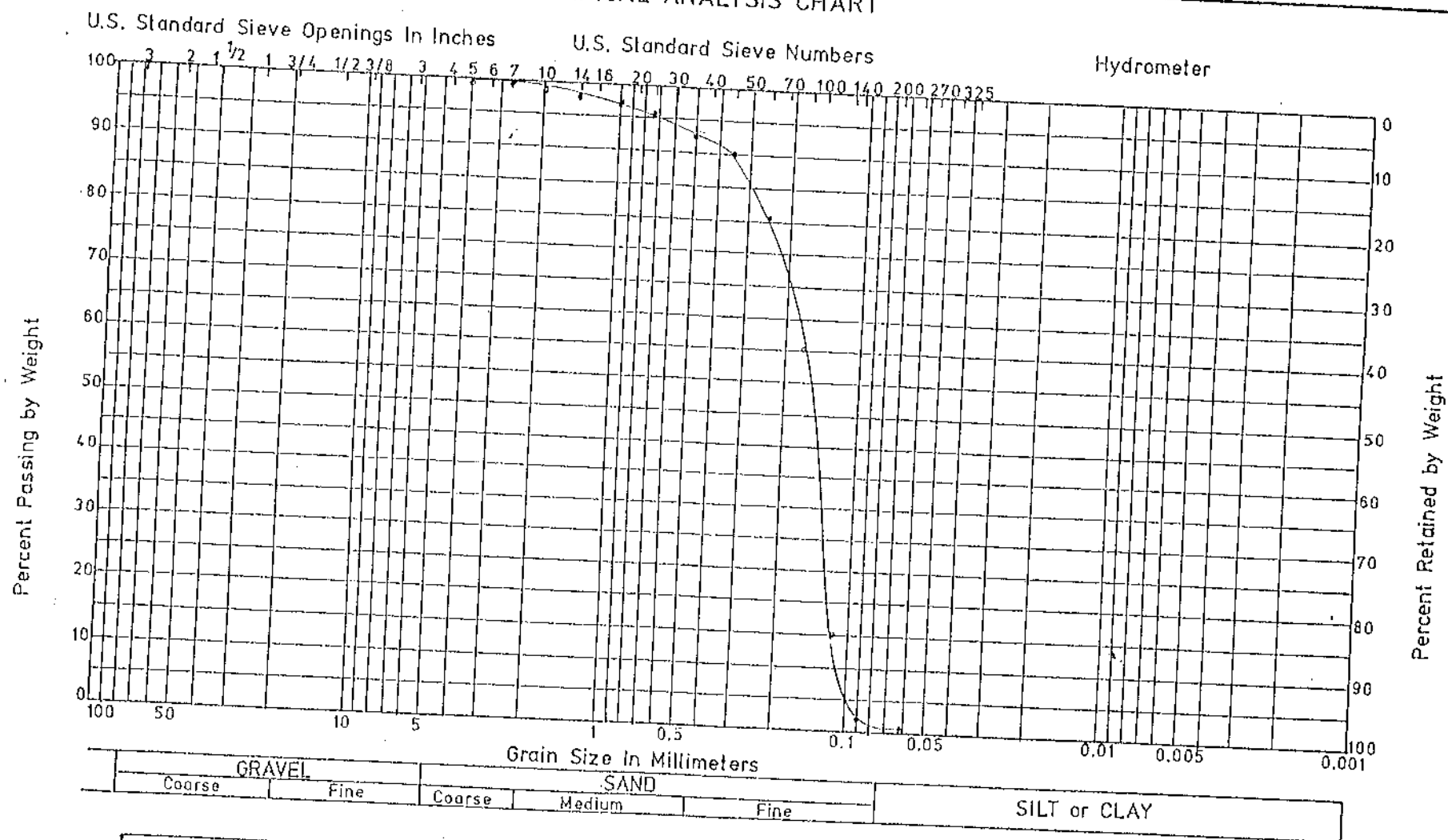
MECHANICAL ANALYSIS CHART



SAMPLE NO.	CLASSIFICATION
8	GREY POORLY GRADED SAND
2'	WITH A TRACE OF SHELL FRAGMENTS
	(SP)
	MEAN: .188MM MEDIAN: .17MM SORTING: .79

PROJECT:
DELRAY BEACH SAND SEARCH
DATE: JULY 1987

MECHANICAL ANALYSIS CHART

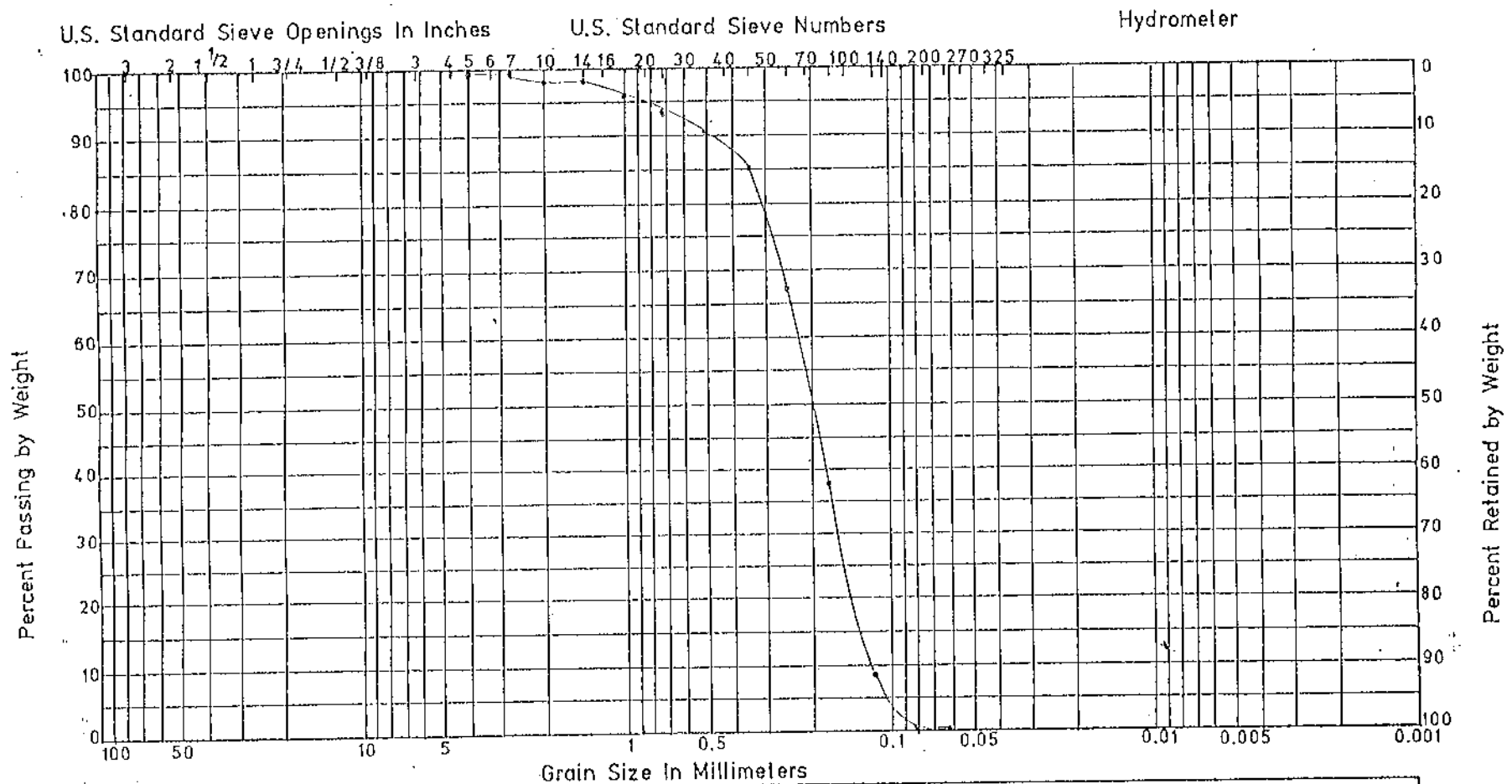


SAMPLE NO.	CLASSIFICATION
8	GREY POORLY GRADED SAND WITH A TRACE OF SHELL FRAGMENTS. (SP)
8'	
MEAN: 179MM MEDIAN: 15MM SORTING: .58	

PROJECT: DELRAY BEACH SAND SEARCH

DATE: JULY 1987

MECHANICAL ANALYSIS CHART

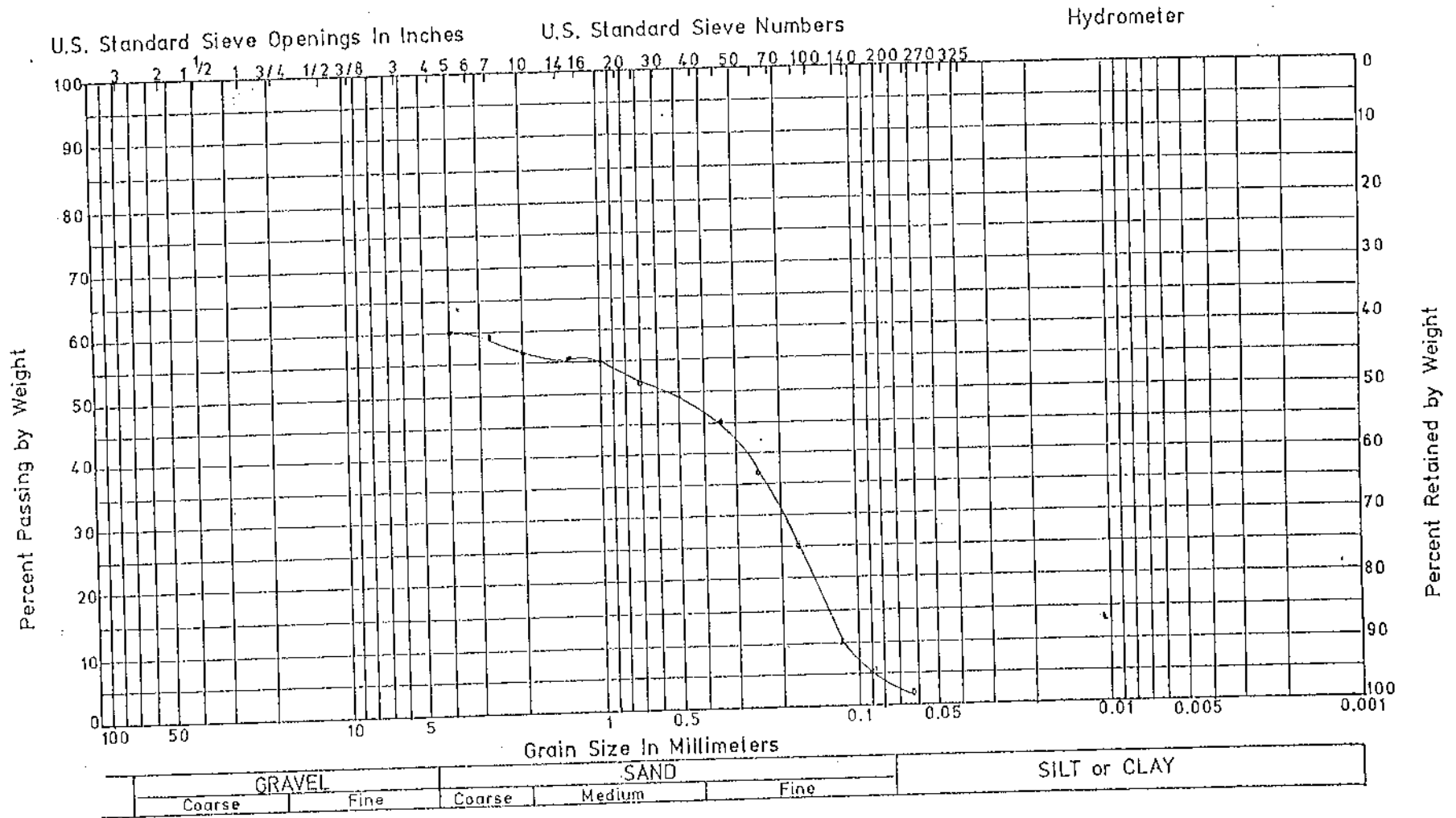


GRAVEL		SAND			SILT or CLAY
Coarse	Fine	Coarse	Medium	Fine	

SAMPLE NO.	CLASSIFICATION
8	GREY POORLY GRADED SAND WITH TRACES OF SHELL FRAGMENTS. (SP)
13 ¹	
	MEAN: .215MM MEDIAN: .20MM SORTING: .67

PROJECT:
DELRAY BEACH SAND SEARCH
DATE: JULY 1987

MECHANICAL ANALYSIS CHART



SAMPLE NO.	CLASSIFICATION
8	GREY POORLY GRADED MIXTURE
16.5'	OF LARGE CORAL FRAGMENTS, SHELL
	AND SAND. (GP)
	MEAN: .92MM MEDIAN: .55MM SORTING: 3.09

PROJECT:
DELRAY BEACH SAND SEARCH
DATE: JULY 1987