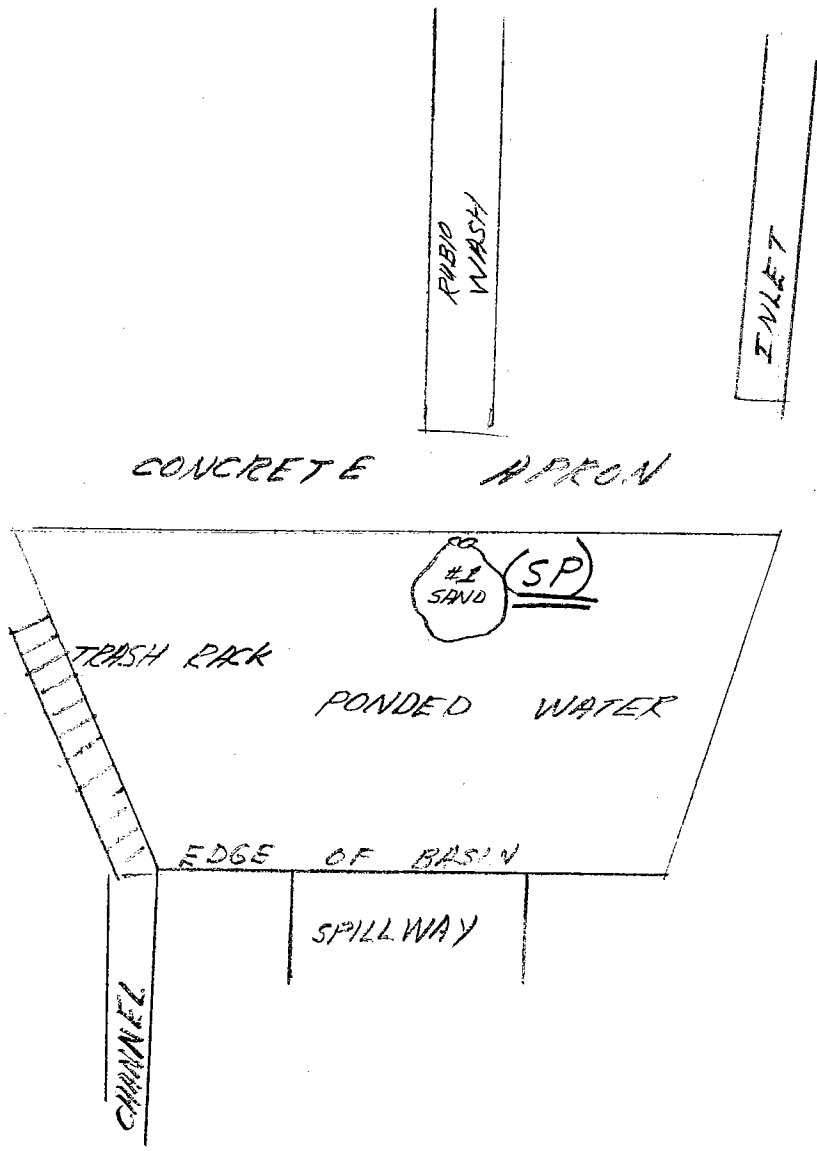


Altadena Golf Club Debris Basin

2/25/69  
From 2/19/69

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JAL-SHF

**LOS ANGELES COUNTY FLOOD CONTROL DISTRICT**  
Soils and Materials Engineering Division

SP ①

**SIEVE ANALYSIS WORK SHEET**

LAB SERIAL NO. 22885

Total Weight of Sample \_\_\_\_\_ lbs.

Project ATADENA GOLF COURSE DB

\_\_\_\_\_ grams.

Station \_\_\_\_\_

Moisture Content of Fines \_\_\_\_\_ %.

Location \_\_\_\_\_

Date Tested 2/20 Plotted By \_\_\_\_\_

Boring No. 1 Sample No. \_\_\_\_\_

Remarks NP

Sampled By \_\_\_\_\_ Lab Tested By NR

Intended Use \_\_\_\_\_

GRAVEL (Plus No. 4)

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED		% OF TOTAL OVEN-DRY RETAINED	ACCUM. % RETAINED	ACCUM. % PASSING	
		LBS.	GRAMS			ACTUAL	SPEC. REQ.
3"	76.2						
1½"	38.1						
(1")	(25.4)						
¾"	19.1						
⅜"	9.52						
No. 4	4.76	0.03		3.0	3.0	97.0	
Pan	0	1.04		xxxxx			
Total Fractions		1.07		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		0.98		0.97			
Total Oven-Dry		1.01		100.00			

Moisture Determination of Fines:  
Cup No. 12  
Dry Weight 168.1 grams  
Moisture 6.3 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 94.1 grams.

WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 97.0 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	7.1	7.3	10.3		
16	1.19	18.7	19.3	29.6		
30	0.59	26.8	27.6	57.2		
50	.297	25.1	25.9	83.1		
100	.149	12.2	12.6	95.7		
200	.074	2.0	2.1	97.7	2.3	
Pan	0					
Total Fractions		91.9				
Total Dry Weight After Wet Sieving		91.9	94.7			
Sieve Loss-Gain		0				

Calculated by FR/NE Date 2/21/69  
Checked by PTT Date 2/24/69

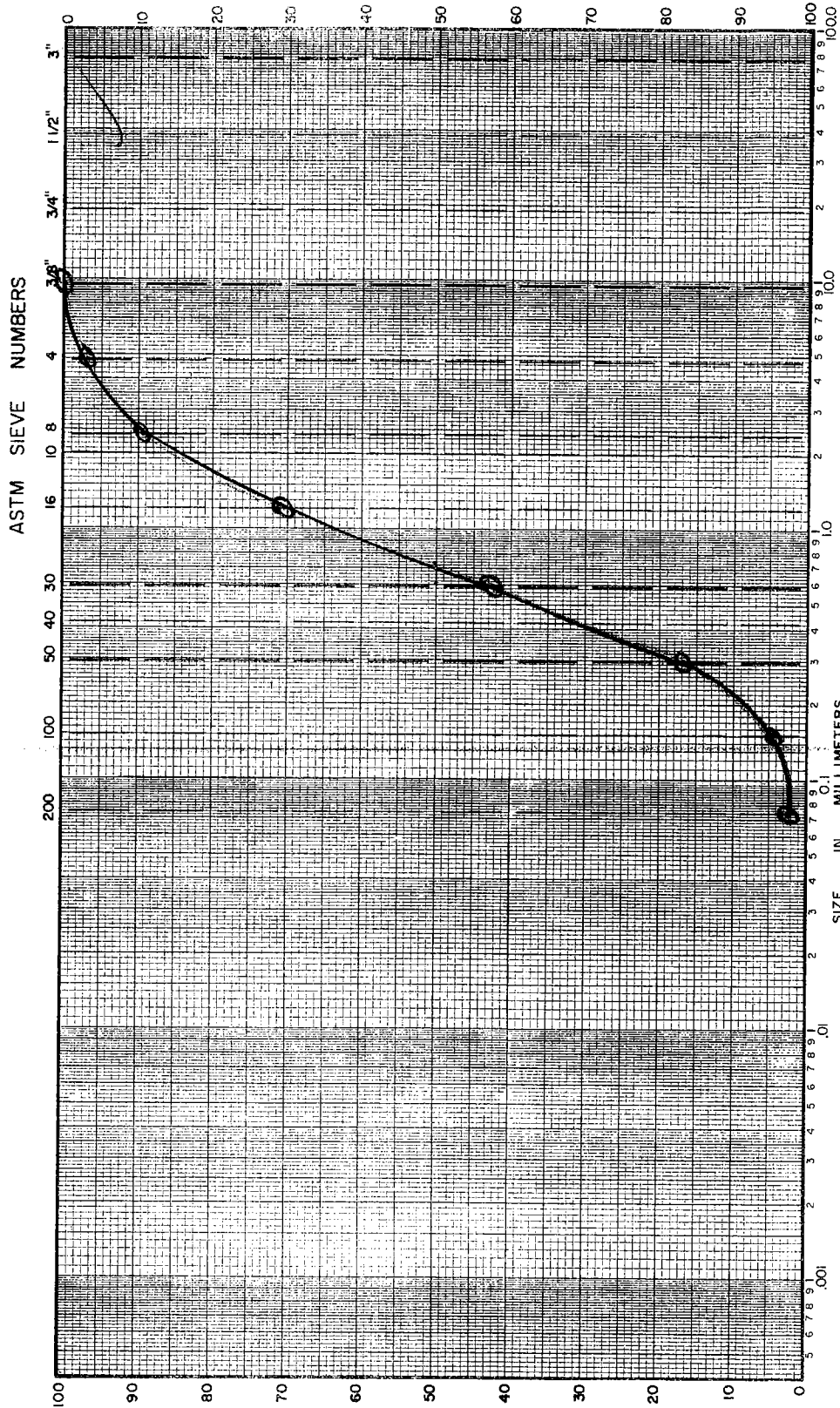
Note: Cross out sieve numbers not used.

**LOS ANGELES COUNTY FLOOD CONTROL DISTRICT**  
Soils and Materials Engineering Division  
**MECHANICAL ANALYSIS**

LAB. SERIAL NO. \_\_\_\_\_  
 JOB \_\_\_\_\_  
 BORING NO. \_\_\_\_\_ SAMPLE NO. \_\_\_\_\_  
 STATION \_\_\_\_\_ DEPTH \_\_\_\_\_ FT. \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 SAMPLED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 FIELD CLASSIFICATION \_\_\_\_\_ BY \_\_\_\_\_  
 PLAS. IND. \_\_\_\_\_ LIQ. LIM. \_\_\_\_\_  
 REMARKS \_\_\_\_\_

**CLASSIFICATION DATA**

PERCENT (+) NO. 200 97.7 PERCENT (+) NO. 4 37.0  
 % (+) NO. 4 / % (+) NO. 200 0.22  $D_{10}$  0.075 mm  
 $D_{30}$  0.41 mm  $D_{60}$  0.90 mm  
 $C_u = D_{60}/D_{10}$  4.1 PLOTTED BY RL  
 $C_c = (D_{30})^2 / (D_{10} \times D_{60})$  \_\_\_\_\_ CHECKED BY RL  
 GROUP SYMBOL \_\_\_\_\_ DATE 2/28/60  
 NOTE:  $D_x$  = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	SAND MEDIUM	COARSE	FINE	GRAVEL COARSE
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