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NR-211

2/26/69

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

SP ✓ (11)

**SIEVE ANALYSIS WORK SHEET**

LAB SERIAL NO. 22945 Total Weight of Sample 2.00 lbs.  
 Project COOKS CANYON DB \_\_\_\_\_ grams.  
 Station \_\_\_\_\_ Moisture Content of Fines \_\_\_\_\_ %.  
 Location \_\_\_\_\_ Date Tested 3/11 Plotted By \_\_\_\_\_  
 Boring No. 1 Sample No. 1 Remarks NR  
 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	03		1.7	1.7		
⅜"	9.52	04		2.3	4.0		
No. 4	4.76	09	16	5.4	9.1	90.9	
Pan	0	1.84		xxxxx			
Total Fractions		2.00		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.60		90.9			
Total Oven-Dry		1.76		100.00			

Moisture Determination of Fines:  
 Cup No. 12  
 Dry Weight 160.9 grams  
 Moisture 15.1 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 86.9 grams.  
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 95.6 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	7.0	7.3	16.4		
16	1.19	23.3	24.4	40.8		
30	0.59	31.4	32.9	73.7		
50	.297	18.4	19.3	93.0		
100	.149	5.7	6.0	99.0		
200	.074	0.9	1.0	100.0	00	
Pan	0	0.3				
Total Fractions		87.0				
Total Dry Weight After Wet Sieving		207.2	87.0	90.9		
Sieve Loss-Gain		120.2	0.0			

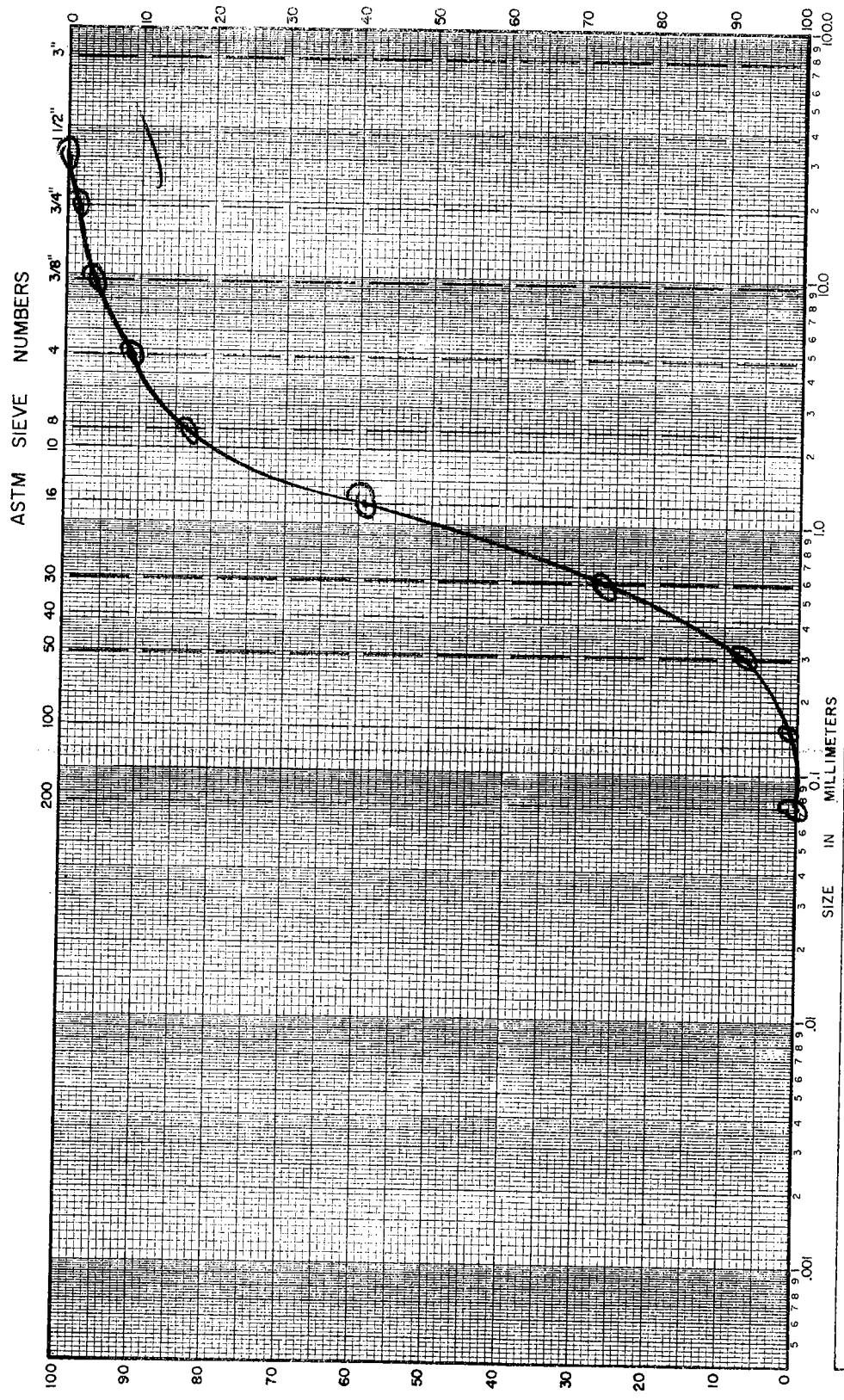
Calculated by NR Date 3/19/69  
 Checked by RJT Date 3/20/69

Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22945  
 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 \_\_\_\_\_ PERCENT (+) NO. 4 \_\_\_\_\_  
 % (+) NO. 4 / % (+) NO. 200 \_\_\_\_\_  $D_{10}$  0.33 mm  
 $D_{30}$  \_\_\_\_\_ mm  $D_{60}$  1.2 mm  
 $C_u = D_{60}/D_{10}$  \_\_\_\_\_ PLOTTED BY RS  
 $C_c = (D_{30})^2 / (D_{10} \times D_{60})$  \_\_\_\_\_ CHECKED BY RS  
 GROUP SYMBOL \_\_\_\_\_ DATE 3/20/68  
 NOTE:  $D_x$  = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	SAND MEDIUM	COARSE	FINE	GRAVEL COARSE
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