

H<sub>2</sub>O + Organic  
1668'

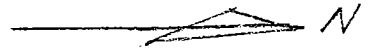
100'

⊕ #1 (SP)

225'

⊕ #2 (SP)

Access Rd



JNB - JAL

2/27/69

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

(36) ✓  
SP

**SIEVE ANALYSIS WORK SHEET**

LAB SERIAL NO. 22953 Total Weight of Sample 1.96 lbs.  
 Project MAY 08 (E) \_\_\_\_\_ grams.  
 Station \_\_\_\_\_ Moisture Content of Fines \_\_\_\_\_ %.  
 Location \_\_\_\_\_ Date Tested 3/19/69 Plotted By \_\_\_\_\_  
 Boring No. 1 Sample No. \_\_\_\_\_ Remarks AP  
 Sampled By \_\_\_\_\_ Lab Tested By AK 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	/					
1 1/2"	38.1						
(1")	(25.4)						
3/4"	19.1						
3/8"	9.52	0.3		1.8	1.8		
No. 4	4.76	0.8	11	4.8	6.6	93.4	✓
Pan	0	1.85		xxxxx			
Total Fractions		1.96		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.56		93.4			
Total Oven-Dry		1.67		100.00			

Moisture Determination of Fines:  
Cup No. 1  
Dry Weight 158.2 grams  
Moisture 18.8 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 84.2 grams.  
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 90.3 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	3.7	4.1	10.7		
16	1.19	15.2	16.8	27.5		
30	0.59	20.0	22.2	49.7		
50	.297	20.0	22.2	71.7		
100	.149	14.8	16.4	88.1		
200	.074	5.5	6.1	95.2	4.8	
Pan	0	1.5				
Total Fractions		79.7				
Total Dry Weight After Wet Sieving		200.2	80.0	88.6		
Sieve Loss-Gain		120.2				

200.2  
120.2  
80.0

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

Note: Cross out sieve numbers not used.

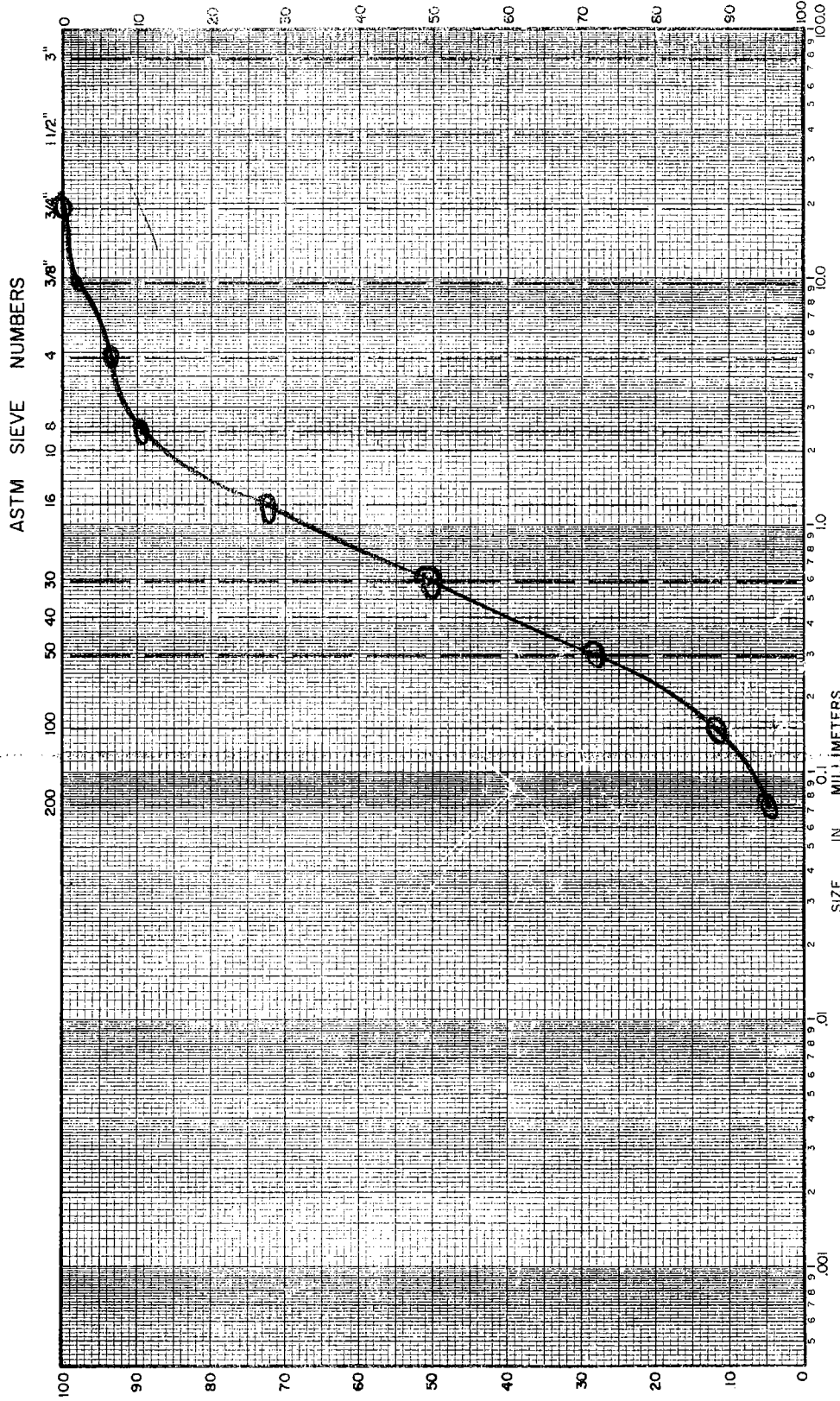
80.0

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

LAB. SERIAL NO. 22953  
 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<sub>10</sub> \_\_\_\_\_ mm  
 D<sub>30</sub> \_\_\_\_\_ mm D<sub>60</sub> \_\_\_\_\_ mm  
 Cu = D<sub>60</sub> / D<sub>10</sub> \_\_\_\_\_ PLOTTED BY RS  
 $Cc = \frac{D_{30}^2}{D_{10} \times D_{60}}$  \_\_\_\_\_ CHECKED BY RJT  
1104 GROUP SYMBOL \_\_\_\_\_ DATE 3/29/69  
 NOTE: D<sub>x</sub> = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	FINE	COARSE	FINE	COARSE	GRAVEL	COARSE
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SP (36)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22954  
 Project MAY DB (E)  
 Station \_\_\_\_\_  
 Location \_\_\_\_\_  
 Boring No. 2 Sample No. \_\_\_\_\_  
 Sampled By \_\_\_\_\_ Lab Tested By AK

Total Weight of Sample 1.58 lbs.  
 \_\_\_\_\_ grams.  
 Moisture Content of Fines \_\_\_\_\_ %.  
 Date Tested 3/11 Plotted By \_\_\_\_\_  
 Remarks AP  
 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						
1 1/2"	38.1						
(1")	(25.4)	.07		5.3	5.3		
3/4"	19.1	—		—	5.3		
3/8"	9.52	.02		1.5	6.8		
No. 4	4.76	.05	.14	3.8	10.6	89.3	
Pan	0	1.44		xxxxx			
Total Fractions		1.58		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.17		89.3			
Total Oven-Dry		1.31		100.00			

Moisture Determination of Fines:  
 Cup No. 16  
 Dry Weight 155.3 grams  
 Moisture 23.0 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 81.3 grams.  
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 91.1 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	1.7	1.9	12.5		
16	1.19	9.6	10.5	23.0		
30	0.59	22.2	24.3	47.3		
50	.297	24.9	27.3	74.6		
100	.149	16.5	18.1	92.7		
200	.074	4.6	5.0	98.2	1.8	
Pan	0	0.1				
Total Fractions		79.6				
Total Dry Weight After Wet Sieving		199.1		79.9	87.6	
Sieve Loss-Gain		120.2		-1.3		

Calculated by AR Date 3/17/69  
 Checked by SHF Date 3/18/69

Note: Cross out sieve numbers not used.

199.1  
 120.2  
 79.9  
 100.1

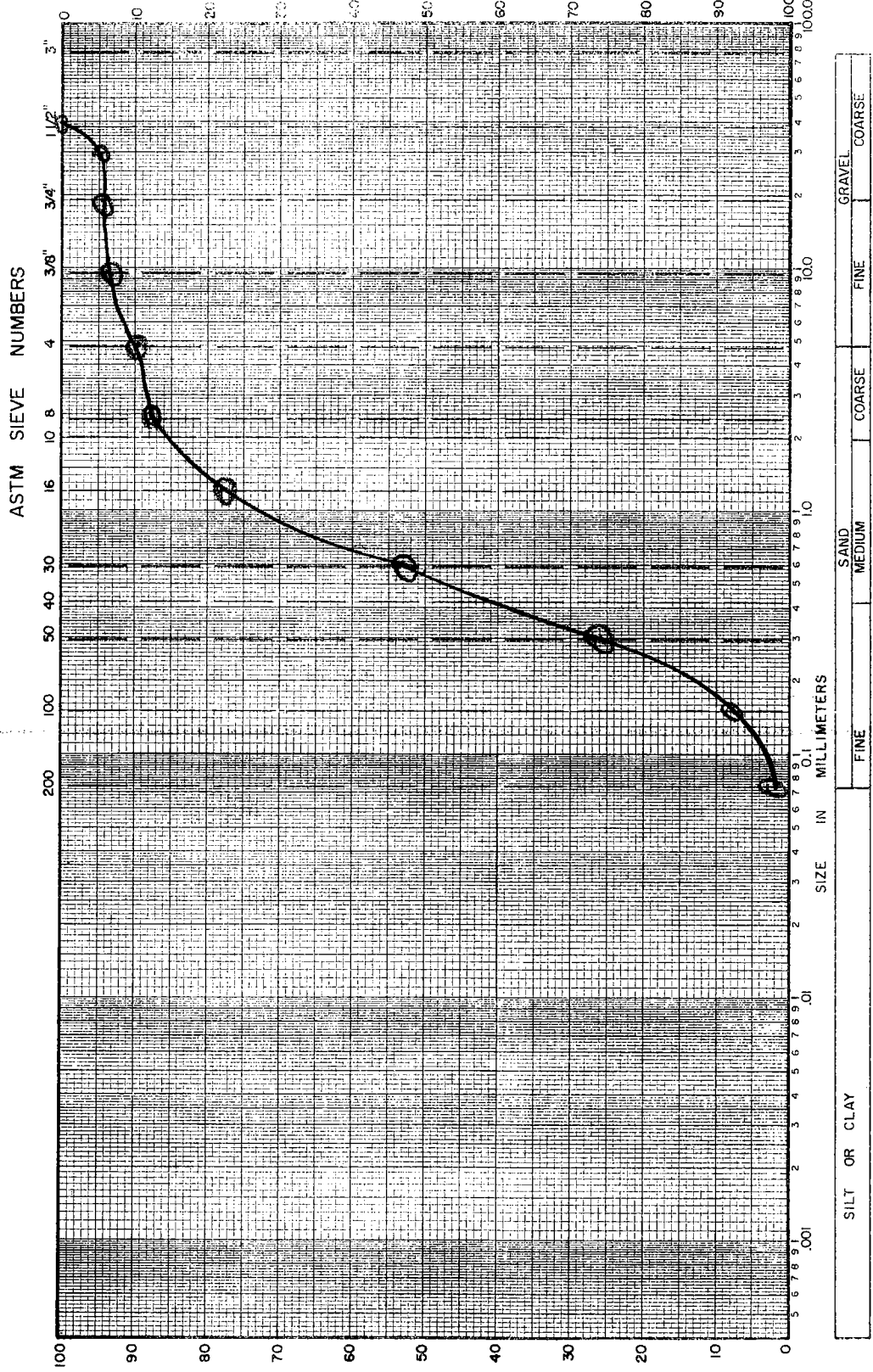
79.9

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

LAB. SERIAL NO. 22954  
 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 \_\_\_\_\_  $D_{10}$  \_\_\_\_\_ mm  
 $D_{30}$  \_\_\_\_\_ mm  $D_{60}$  \_\_\_\_\_ mm  
 $C_u = D_{60}/D_{10}$  \_\_\_\_\_  $C_c = (D_{30})^2$  \_\_\_\_\_  
 $D_{10} \times D_{60}$  \_\_\_\_\_  
 GROUP SYMBOL SP CHECKED BY SLF  
 DATE 3/18/69  
 PLOTTED BY \_\_\_\_\_  
 NOTE:  $D_x$  = PARTICLE DIA. AT X% PASSING



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