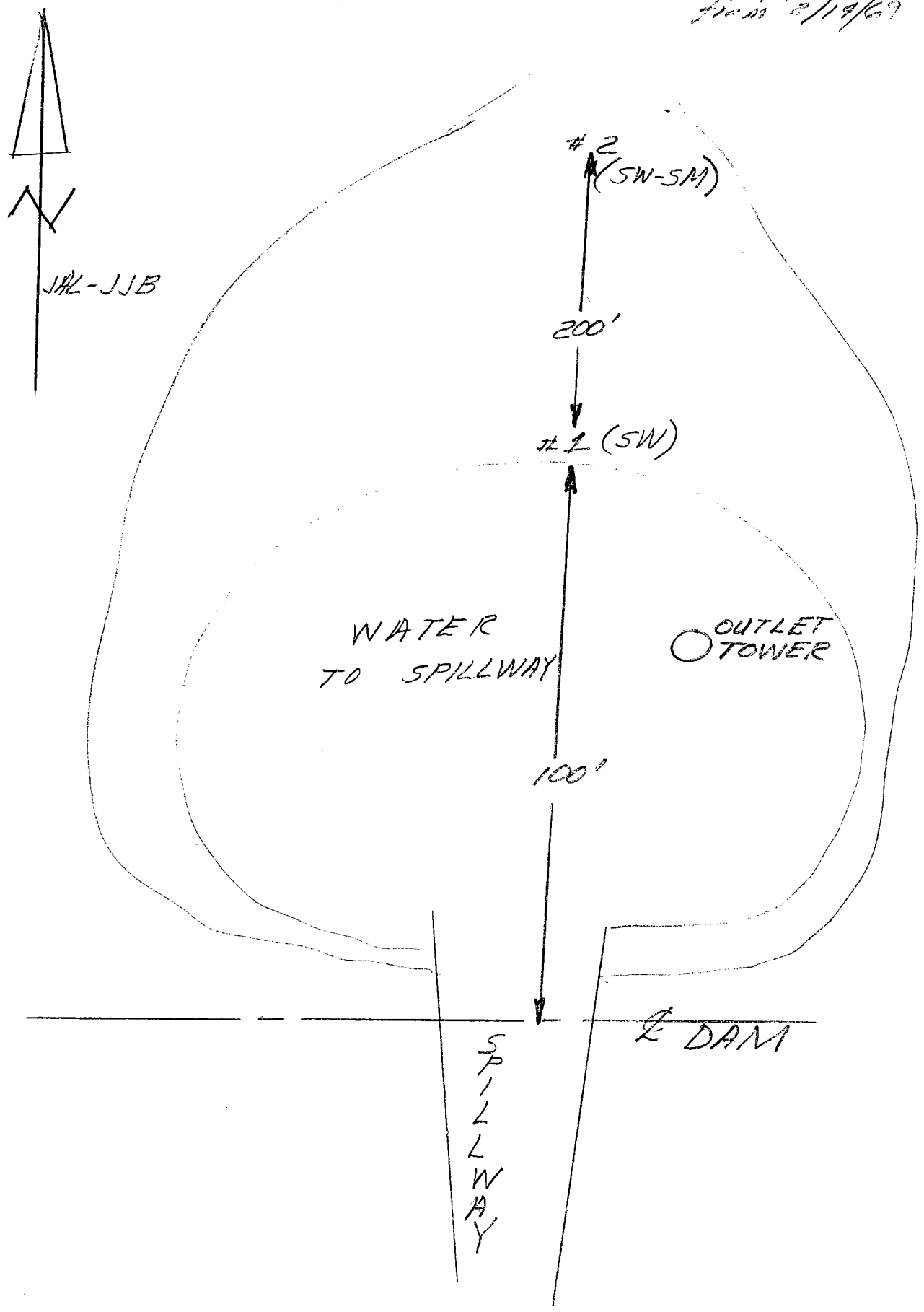


Winery Debris Basin

3/3/69  
from 2/14/69

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

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SW

**SIEVE ANALYSIS WORK SHEET**

LAB SERIAL NO. 22832  
Project MINIERA DB  
Station \_\_\_\_\_  
Location \_\_\_\_\_  
Boring No. \_\_\_\_\_ Sample No. \_\_\_\_\_  
Sampled By \_\_\_\_\_ Lab Tested By PR

Total Weight of Sample 2.30 lbs.  
\_\_\_\_\_ grams.  
Moisture Content of Fines \_\_\_\_\_ %.  
Date Tested 2/17/69 Plotted By \_\_\_\_\_  
Remarks NP  
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						
No. 4	4.76	<u>0.05</u>		<u>2.5</u>	<u>2.5</u>	<u>97.5</u>	
Pan	0	<u>2.25</u>		xxxxx			
Total Fractions		<u>2.30</u>		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		<u>1.92</u>		<u>97.5</u>			
Total Oven-Dry		<u>1.97</u>		100.00			

Moisture Determination of Fines:  
Cup No. 62  
Dry Weight 159.3 grams  
Moisture 17.2 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 85.3 grams.  
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 87.5 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	<u>6.35</u>	<u>7.3</u>	<u>9.8</u>		
16	1.19	<u>21.75</u>	<u>24.9</u>	<u>34.7</u>		
30	0.59	<u>24.20</u>	<u>27.7</u>	<u>62.4</u>		
50	.297	<u>13.80</u>	<u>15.8</u>	<u>78.2</u>		
100	.149	<u>10.50</u>	<u>12.0</u>	<u>90.2</u>		
200	.074	<u>5.10</u>	<u>5.8</u>	<u>95.9</u>	<u>4.1</u>	
Pan	0	<u>0.05</u>	<u>.06</u>			
Total Fractions		<u>81.75</u>				
Total Dry Weight After Wet Sieving		<u>81.7</u>	<u>93.4</u>			
Sieve Loss-Gain		<u>+ .05</u>				

Calculated by PR Date 2/19/69  
Checked by RTT Date 2/19/69

Note: Cross out sieve numbers not used.

208.12  
121.5

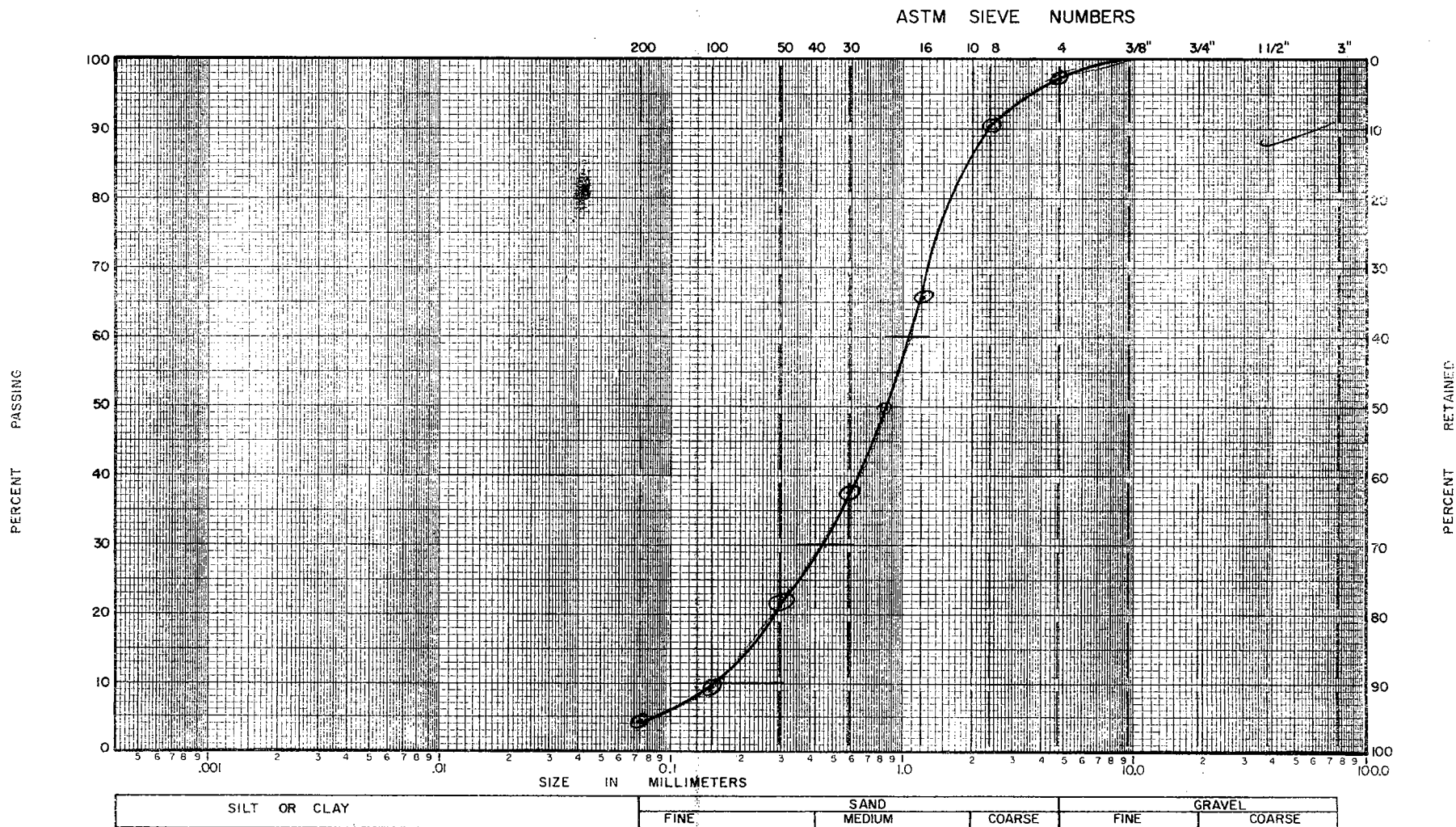
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT  
Soils and Materials Engineering Division  
**MECHANICAL ANALYSIS**

LAB. SERIAL NO. 22832  
 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 < 50 D<sub>10</sub> 0.15 mm ✓  
 D<sub>30</sub> .45 mm D<sub>60</sub> 1.1 mm ✓  
 Cu = D<sub>60</sub>/D<sub>10</sub> 7.33 ✓ PLOTTED BY NR  
 Cc =  $\frac{(D_{30})^2}{D_{10} \times D_{60}}$  1.2 ✓ CHECKED BY RJF  
 GROUP SYMBOL \_\_\_\_\_ DATE 2/10/69  
 NOTE: D<sub>x</sub> = PARTICLE DIA. AT X% PASSING

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

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SM-SW

**SIEVE ANALYSIS WORK SHEET**

LAB SERIAL NO. 22822 Total Weight of Sample \_\_\_\_\_ lbs.  
 Project WINDY D D \_\_\_\_\_ grams.  
 Station \_\_\_\_\_ Moisture Content of Fines \_\_\_\_\_ %.  
 Location \_\_\_\_\_ Date Tested 2/17/69 Plotted By \_\_\_\_\_  
 Boring No. \_\_\_\_\_ Sample No. \_\_\_\_\_ Remarks NP  
 Sampled By \_\_\_\_\_ Lab Tested By RP 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	0.03		1.7	1.7		
No. 4	4.76	.10		5.7	7.4	92.6	
Pan	0	1.74		xxxxx			
Total Fractions		1.87		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.63		92.6			
Total Oven-Dry		1.76		100.00			

Moisture Determination of Fines:  
 Cup No. 35  
 Dry Weight 168.0 grams  
 Moisture 6.4 %

**FINES (Minus No. 4)**

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 94.0 grams.  
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 1015 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	10.2	10.0	17.4		
16	1.19	23.7	23.3	40.7		
30	0.59	26.1	25.7	66.4		
50	.297	14.3	14.1	80.5		
100	.149	8.0	8.5	89.0		
200	.074	3.4	3.3	92.7	7.3	
Pan	0					
Total Fractions		86.3				
Total Dry Weight After Wet Sieving		208.1	85.3			
Sieve Loss-Gain		121.5	.3			

Calculated by FK Date 2/18/69  
 Checked by RTT Date 2/19/69

Note: Cross out sieve numbers not used.

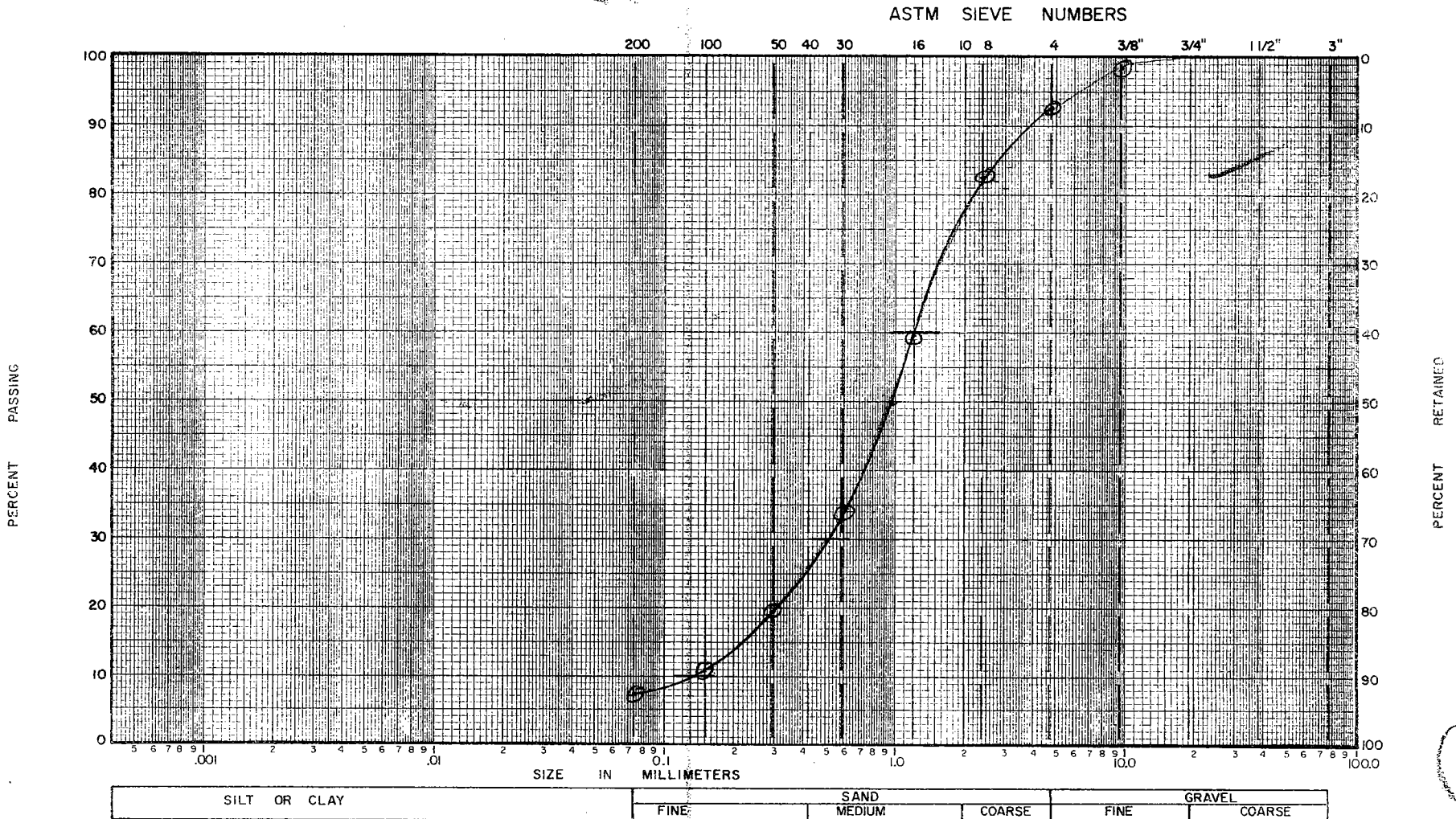
208.1  
- 1.9

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

LAB. SERIAL NO. 22833  
 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 < 50 D<sub>10</sub> .13 mm ✓  
 D<sub>50</sub> 0.52 mm D<sub>60</sub> 1.2 mm ✓  
 Cu = D<sub>60</sub>/D<sub>10</sub> 9.23 PLOTTED BY NR  
 Cc = (D<sub>30</sub>)<sup>2</sup> / (D<sub>10</sub> × D<sub>60</sub>) 1.73 ✓  
 CHECKED BY RJT  
 GROUP SYMBOL \_\_\_\_\_ DATE 2/22/60  
 NOTE: D<sub>x</sub> = PARTICLE DIA. AT X% PASSING



(RJT)