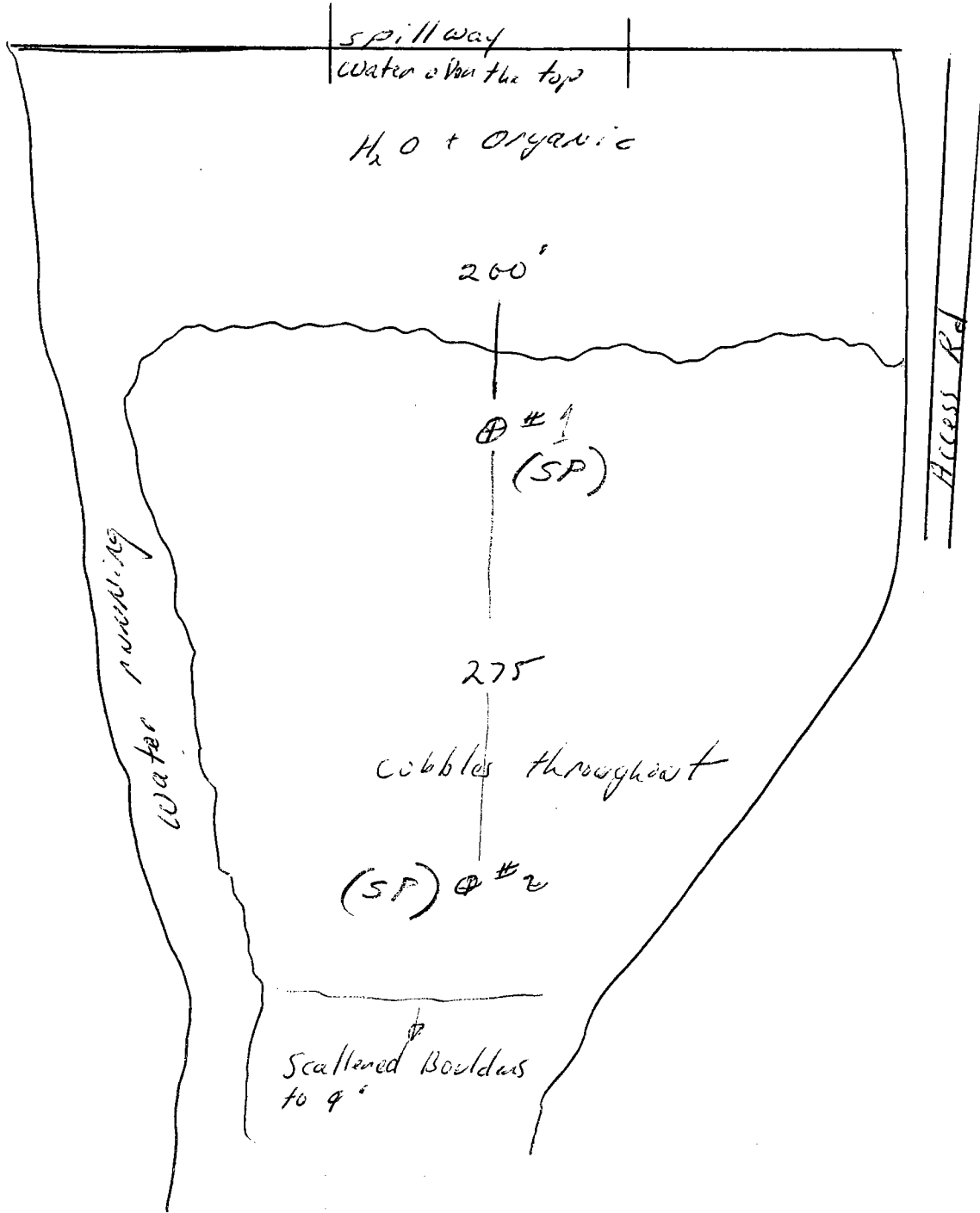


HAINES CYN D.B.

2/26/69  
JB-JAL

(21)



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

SP (21)

**SIEVE ANALYSIS WORK SHEET**

LAB SERIAL NO. 22932  
Project HAINES CANYON DB  
Station \_\_\_\_\_  
Location \_\_\_\_\_  
Boring No. 1 Sample No. \_\_\_\_\_  
Sampled By \_\_\_\_\_ Lab Tested By AR

Total Weight of Sample 2.57 lbs.  
grams.  
Moisture Content of Fines \_\_\_\_\_ %  
Date Tested 3/18 Plotted By \_\_\_\_\_  
Remarks AR  
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)	27		11.5	11.5		
¾"	19.1	12		5.1	16.6		
⅜"	9.52	20		8.4	25.0		
No. 4	4.76	17	.76	7.3	32.3	67.6	
Pan	0	1.81		xxxxx			
Total Fractions		2.57		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.58		67.6			
Total Oven-Dry		2.34		100.00			

Moisture Determination of Fines:  
Cup No. 61  
Dry Weight 161.5 grams  
Moisture 14.3 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 87.4 grams.  
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 129.2 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	9.3	7.2	39.5		
16	1.19	21.1	16.3	55.8		
30	0.59	26.5	20.5	76.3		
50	.297	16.0	12.4	88.7		
100	.149	10.3	8.0	96.7		
200	.074	2.7	2.1	98.8	1.2	
Pan	0	.1				
Total Fractions		86.0				
Total Dry Weight After Wet Sieving		86.0		66.5		
Sieve Loss-Gain						

Calculated by AR Date 3/18/69  
Checked by RJT Date 3/20/69

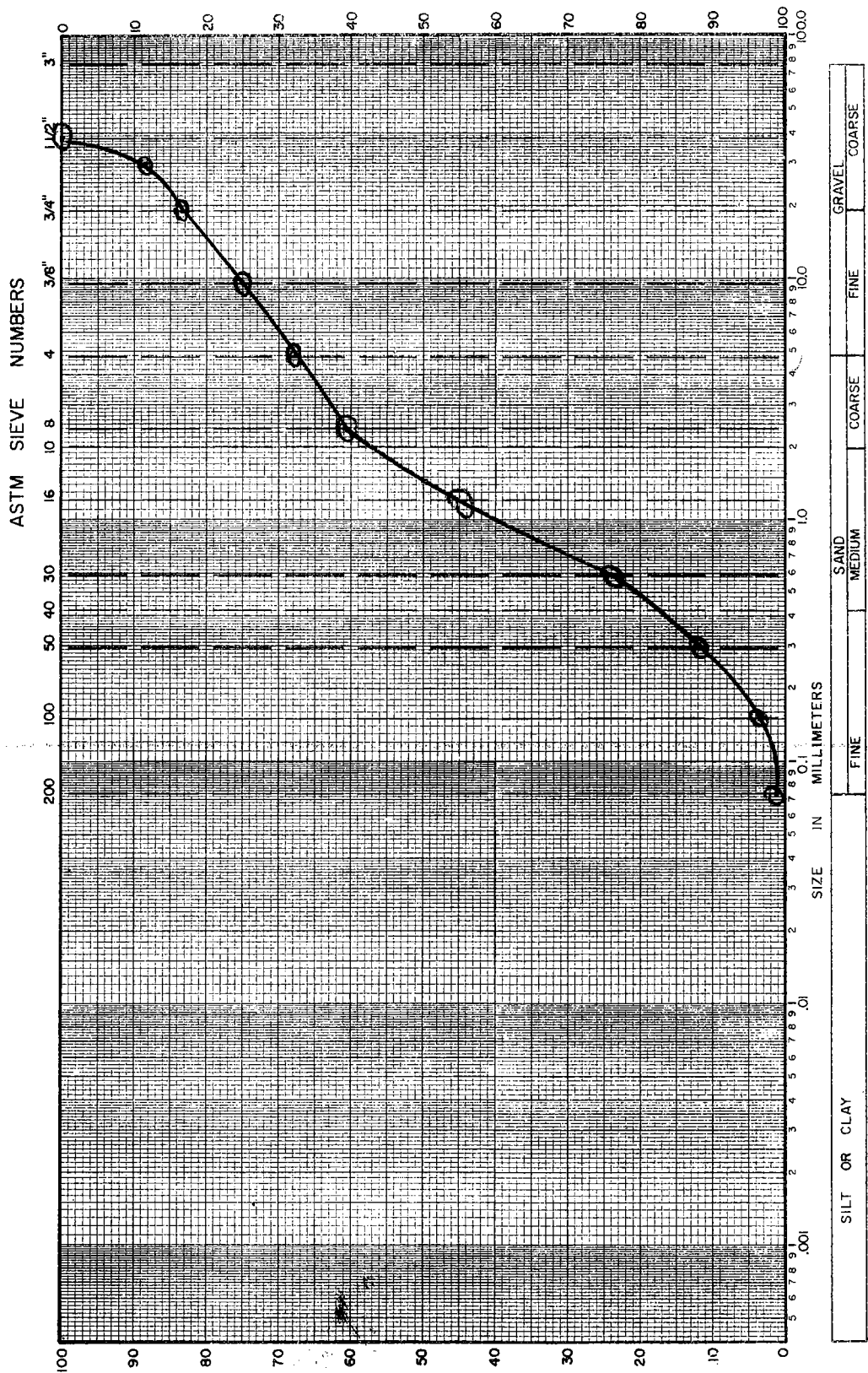
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22932  
 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> 2.7 mm  
 D<sub>30</sub> 1.1 mm D<sub>60</sub> 2.3 mm  
 Cu = D<sub>60</sub>/D<sub>10</sub> 2.15 PLOTTED BY NR  
 Cc = (D<sub>30</sub>)<sup>2</sup> / (D<sub>10</sub> x D<sub>60</sub>) \_\_\_\_\_ CHECKED BY RIT  
 GROUP SYMBOL \_\_\_\_\_ DATE 7/20/69  
 NOTE: D<sub>x</sub> = PARTICLE DIA. AT X% PASSING



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

SP (21)

**SIEVE ANALYSIS WORK SHEET**

LAB SERIAL NO. 229 33  
Project HAINES CANY 08  
Station \_\_\_\_\_  
Location \_\_\_\_\_  
Boring No. 2 Sample No. \_\_\_\_\_  
Sampled By \_\_\_\_\_ Lab Tested By RR

Total Weight of Sample 2.14 lbs.  
grams.  
Moisture Content of Fines \_\_\_\_\_ %.  
Date Tested 3/11 Plotted By \_\_\_\_\_  
Remarks 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						
1½"	38.1						
(1")	(25.4)						
¾"	19.1	<u>13</u>		<u>6.3</u>	<u>6.3</u>		
⅜"	9.52	<u>38</u>		<u>18.4</u>	<u>24.7</u>		
No. 4	4.76	<u>34</u>	<u>85</u>	<u>16.4</u>	<u>41.1</u>	<u>59.0</u>	
Pan	0	<u>129</u>		xxxxx			
Total Fractions		<u>2.14</u>		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		<u>1.22</u>		<u>59.0</u>			
Total Oven-Dry		<u>2.07</u>		<u>100.00</u>			

Moisture Determination of Fines:  
Cup No. 10  
Dry Weight 168.4 grams  
Moisture 5.9 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 94.4 grams.  
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 160.0 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	<u>22.8</u>	<u>14.2</u>	<u>55.3</u>		
16	1.19	<u>31.3</u>	<u>19.5</u>	<u>74.8</u>		
30	0.59	<u>22.6</u>	<u>14.1</u>	<u>88.9</u>		
50	.297	<u>11.3</u>	<u>7.1</u>	<u>96.0</u>		
100	.149	<u>4.6</u>	<u>2.9</u>	<u>98.9</u>		
200	.074	<u>.3</u>	<u>0.2</u>	<u>99.5</u>	<u>0.5</u>	
Pan	0	<u>.2</u>				
Total Fractions		<u>93.1</u>				
Total Dry Weight After Wet Sieving		<u>213.7</u> <u>120.2</u> <u>93.5</u>	<u>93.5</u>	<u>58.4</u>		
Sieve Loss-Gain		<u>93.5</u>	<u>.4</u>			

213.7  
120.2  
93.5

Calculated by RR 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. 22933

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> 1.57 mm

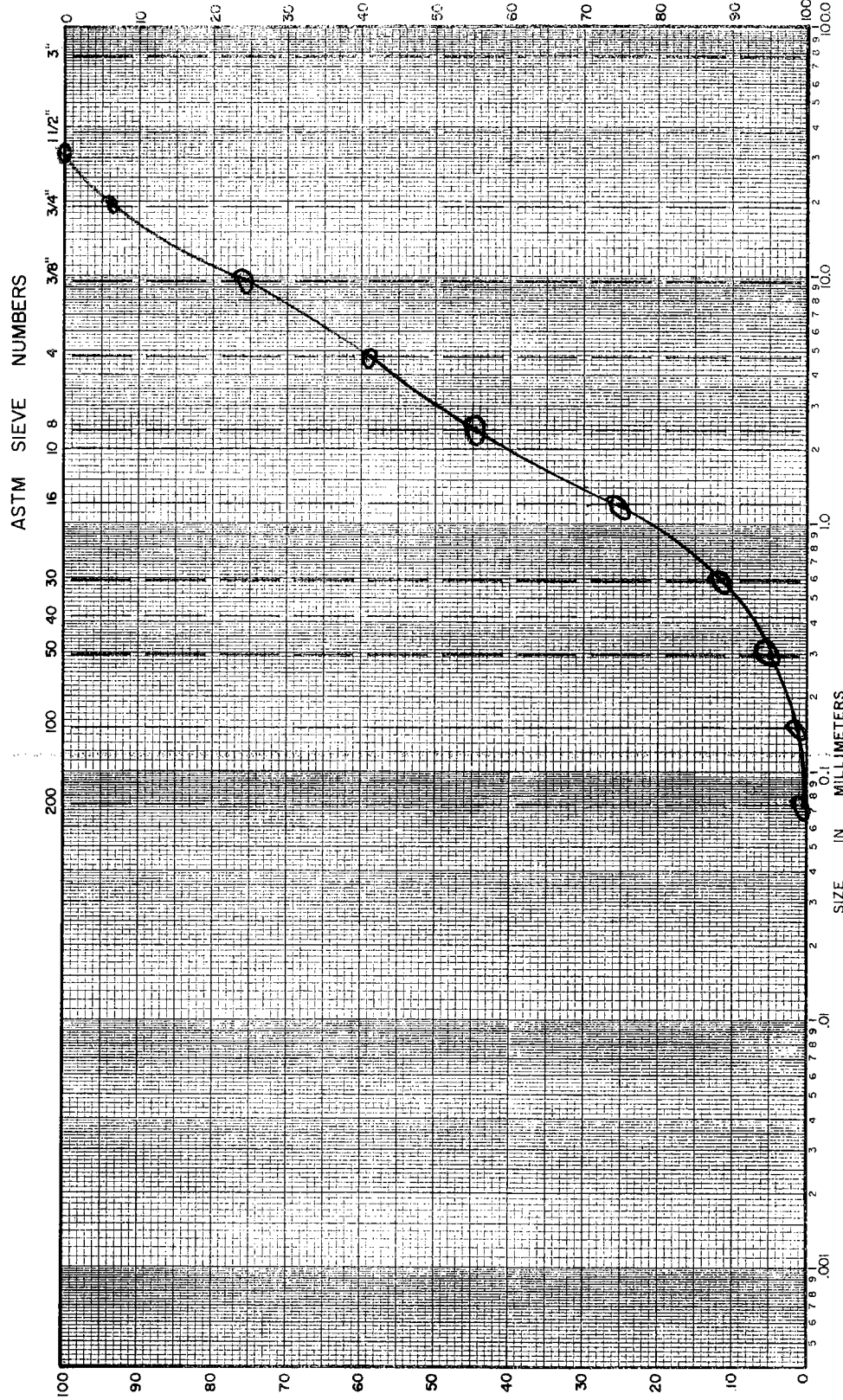
D<sub>30</sub> 1.7 mm D<sub>60</sub> 5.0 mm

Cu = D<sub>60</sub>/D<sub>10</sub> 3.18 PLOTTED BY RJJ

Cc = (D<sub>30</sub>)<sup>2</sup> / (D<sub>10</sub> x D<sub>60</sub>) \_\_\_\_\_ CHECKED BY RJJ

GROUP SYMBOL \_\_\_\_\_ DATE 3/29/69

NOTE: D<sub>x</sub> = PARTICLE DIA. AT X % PASSING



SILT OR CLAY \_\_\_\_\_ SAND MEDIUM \_\_\_\_\_ SAND COARSE \_\_\_\_\_ SAND FINE \_\_\_\_\_ GRAVEL COARSE \_\_\_\_\_ GRAVEL FINE \_\_\_\_\_

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