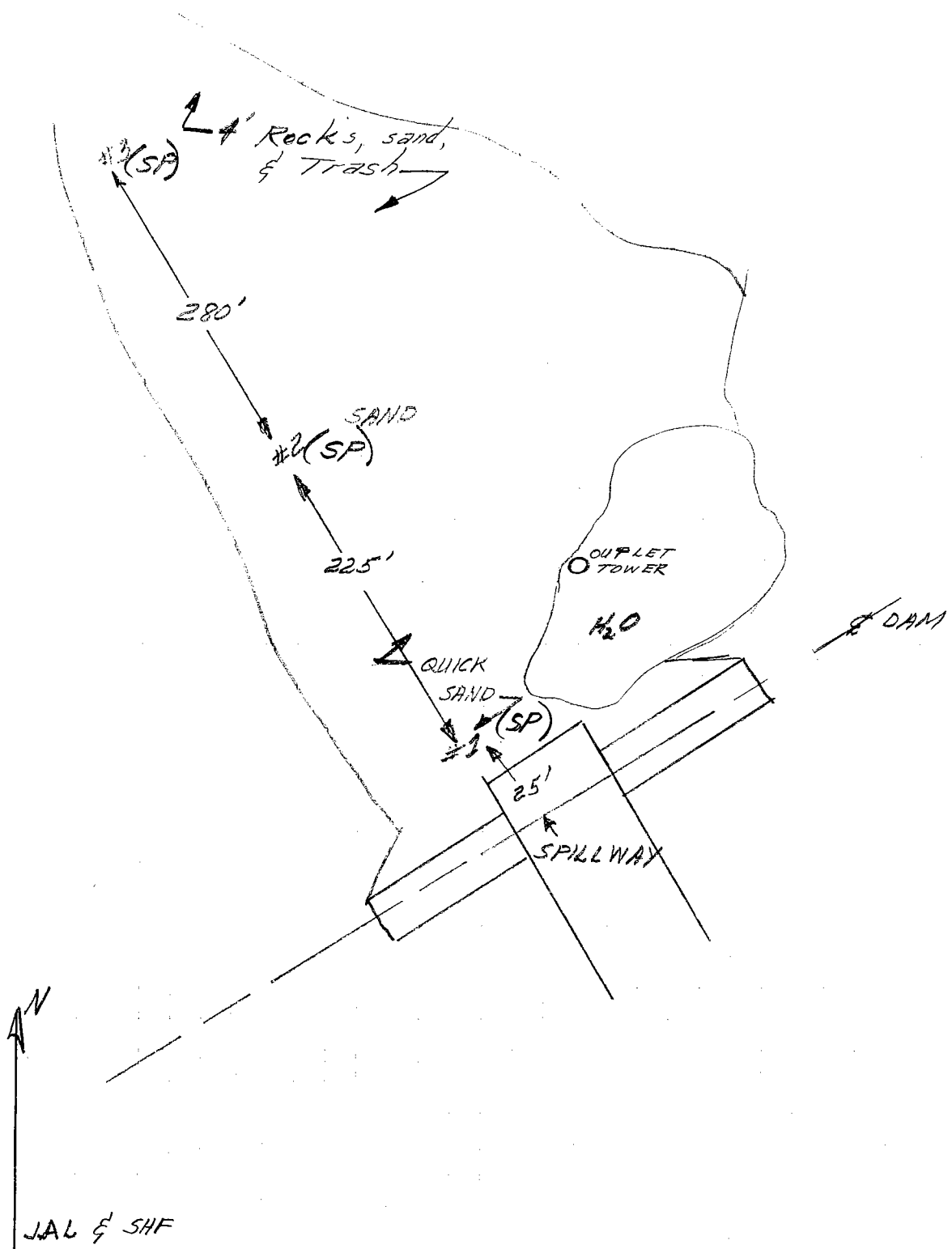


Coald Canyon Debris Basin

2/24/69
From 2/19/69

20



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SP 20

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22837
Project GOULD D.B.
Station _____
Location _____
Boring No. 1 Sample No. _____
Sampled By _____ Lab Tested By NR

Total Weight of Sample _____ 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						
1½"	38.1						
(1")	(25.4)						
¾"	19.1						
3/8"	9.52	0.06		2.5	2.5		
No. 4	4.76	0.30	.36	12.5	15.0	85.0	
Pan	0	2.35		xxxxx			
Total Fractions		2.71		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		2.04		85.0			
Total Oven-Dry		2.40		100.00			

Moisture Determination of Fines:
Cup No. 55A
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 102.2 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	21.10	20.6	35.6		
16	1.19	34.25	33.5	69.1		
30	0.59	20.80	20.4	89.5		
50	.297	7.00	6.8	96.3		
100	.149	2.35	2.3	98.6		
200	.074	0.55	0.5	99.2	0.8	
Pan	0	0.05				
Total Fractions		86.10				
Total Dry Weight After Wet Sieving <u>207.5</u>		86.10		84.2		
Sieve Loss-Gain <u>121.4</u>						

Calculated by NR Date 2/20/69
Checked by RTT Date 2/20/69

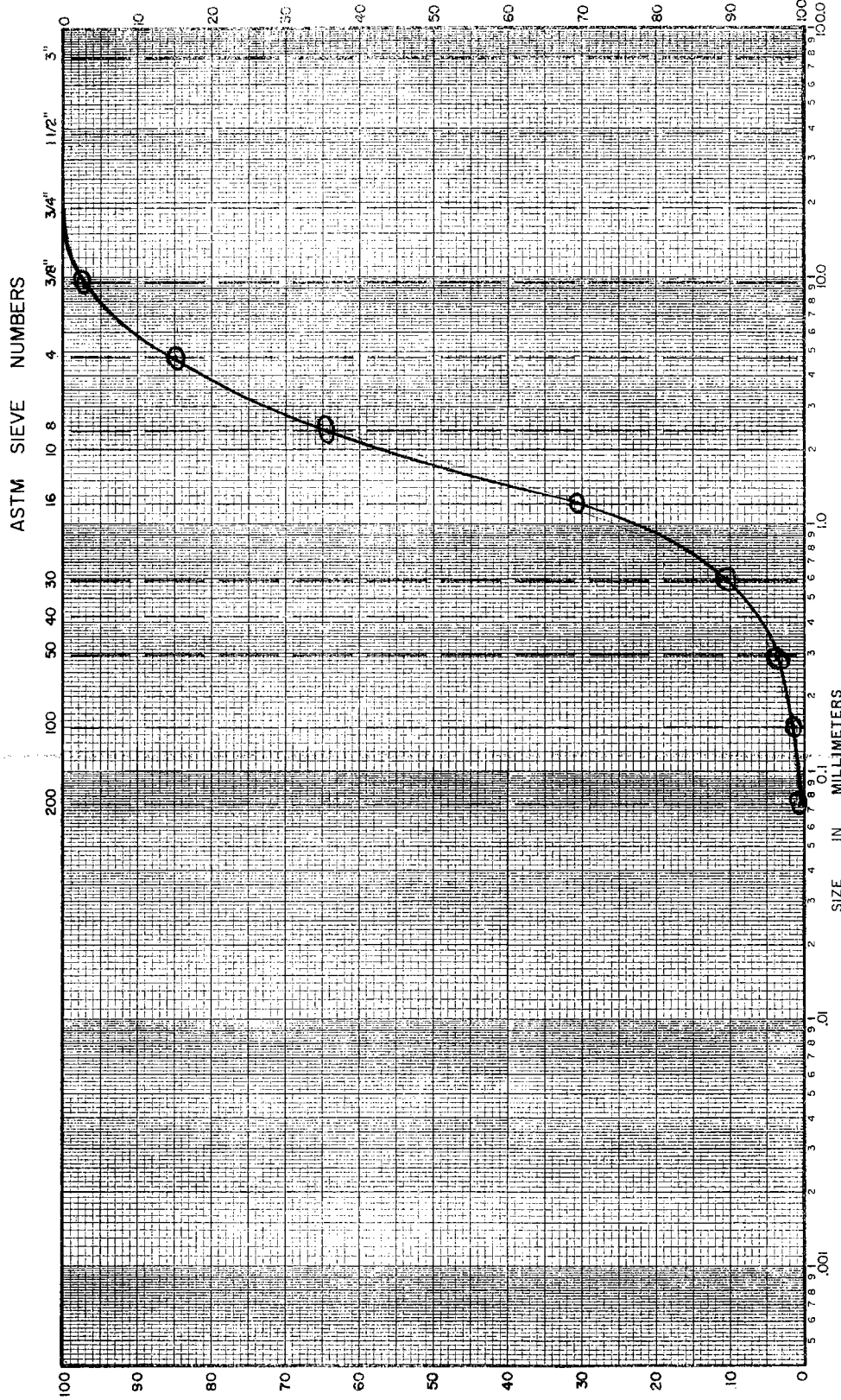
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22837
 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 _____ D₁₀ 0.59 mm
 D₃₀ 1.2 mm D₆₀ 3.6 mm
 Cu = D₆₀/D₁₀ _____ PLOTTED BY JR
 Cc = (D₃₀)² / (D₁₀ x D₆₀) _____ CHECKED BY RJT
 GROUP SYMBOL _____ DATE 2/2/69
 NOTE: D_x = PARTICLE DIA. AT X % PASSING



SILT OR CLAY	FINE	SAND MEDIUM	COARSE	FINE	GRAVEL COARSE
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LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SP ✓ (20)

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22838 Total Weight of Sample 235 lbs.
 Project SOLO D.B. _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 2/17/69 Plotted By _____
 Boring No. _____ Sample No. _____ Remarks N P
 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						
1 1/2"	38.1						
(1")	(25.4)	0.09		4.0	4.0		
3/4"	19.1	—			4.0		
3/8"	9.52	0.04		1.8	5.8	90.2	
No. 4	4.76	0.09	1.22	4.0	9.8	90.1	
Pan	0	2.13		xxxxx		50.1	
Total Fractions		2.35		xxxxx		Moisture Determination of Fines:	
Sieve Loss-Gain						Cup No. <u>12</u>	
Calc. Oven-Dry Fines		2.01		90.1		Dry Weight <u>168.5</u> grams	
Total Oven-Dry		2.23		100.00		Moisture <u>5.8</u> %	

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 94.5 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 104.9 ~~104.9~~ ~~104.8~~ grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	6.35	6.1	15.9		
16	1.19	23.75	22.1 22.6 <u>22.4</u>	38.5 38.6		
30	0.59	29.95	28.6	67.1 67.2		
50	.297	18.45	17.6	84.7 84.8		
100	.149	10.75	10.2	94.9 95.0		
200	.074	3.30	3.1	98.1	1.9	
Pan	0	0.05	0.05			
Total Fractions		92.60				
Total Dry Weight After Wet Sieving		214.1	92.60	88.3		
Sieve Loss-Gain		121.5	0.00			

Calculated by NR Date 2/19/69
 Checked by SHF Date 2/20/69

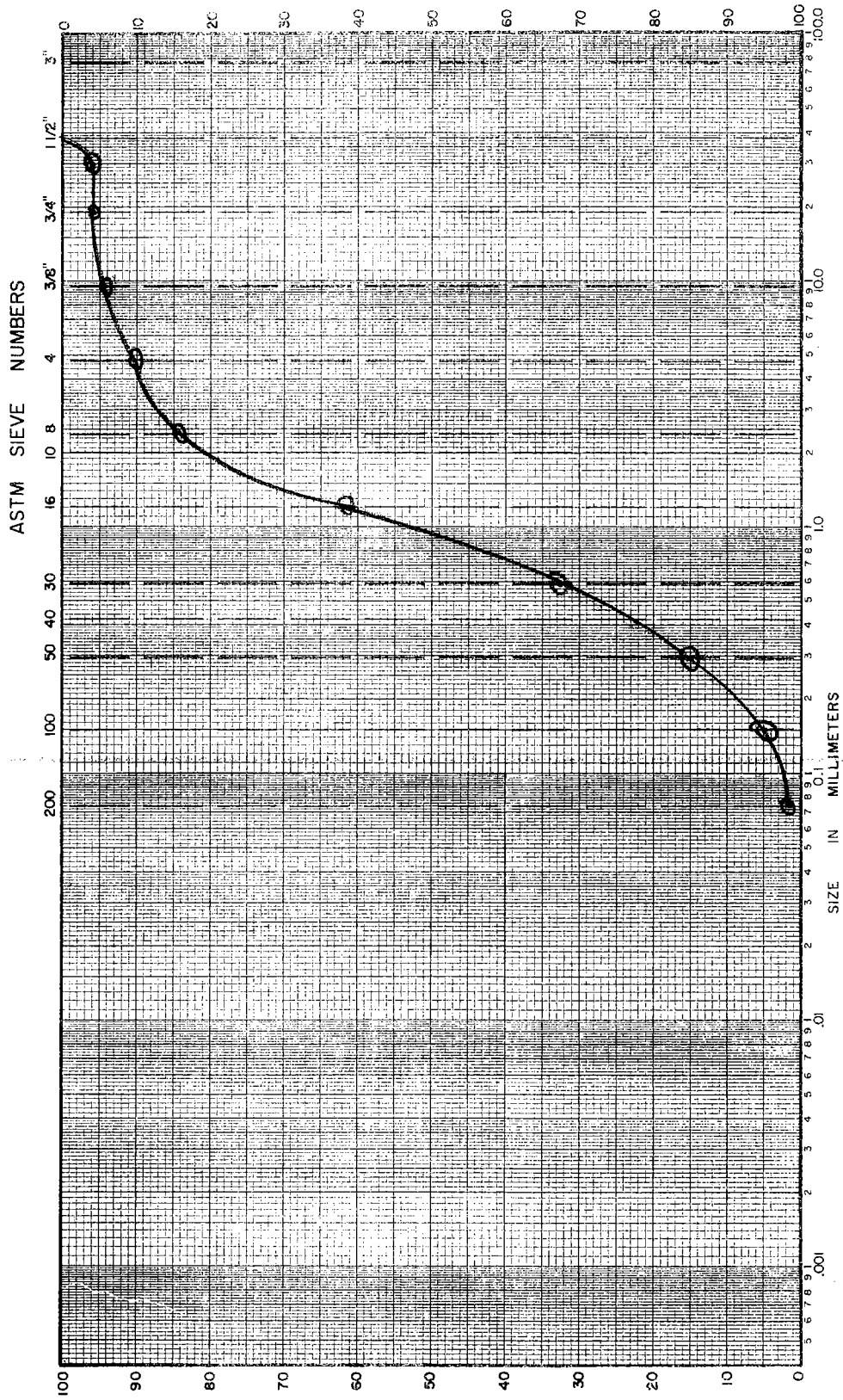
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 2-2-838
 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 _____ D₁₀ _____ mm
 D₃₀ _____ mm D₆₀ _____ mm
 C_u = D₆₀/D₁₀ _____ PLOTTED BY _____
 C_c = (D₃₀)² _____ CHECKED BY _____
 D₁₀ x D₆₀ _____ DATE _____
 GROUP SYMBOL _____
 NOTE: D_x = PARTICLE DIA. AT X % PASSING



SILT OR CLAY		SAND		GRAVEL	
FINE	MEDIUM	COARSE	FINE	COARSE	COARSE

20

SP / 20

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22829 9 Total Weight of Sample 1.79 lbs.
 Project GOULD D.S. _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 2/17/69 Plotted By _____
 Boring No. _____ Sample No. _____ Remarks _____
 Sampled By _____ Lab Tested By 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						
1 1/2"	38.1						
(1")	(25.4)						
3/4"	19.1						
3/8"	9.52	0.02		1.2	1.2		
No. 4	4.76	0.04	0.06	2.3	3.5	96.5	
Pan	0	1.73		xxxxx			
Total Fractions		1.79		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.65		96.5			
Total Oven-Dry		1.71		100.00			

Moisture Determination of Fines:
 Cup No. 33
 Dry Weight 169.2 grams
 Moisture 5.0 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 95.2 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 98.7 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	4.60	4.7	8.2		
16	1.19	22.90	23.2	31.4		
30	0.59	30.25	30.6	62.0		
50	.297	18.95	19.2	81.2		
100	.149	11.80	12.0	93.2		
200	.074	4.50	4.6	97.6	2.4	
Pan	0	0.05	0.05			
Total Fractions		93.05				
Total Dry Weight After Wet Sieving		214.4	92.90	94.1		
Sieve Loss-Gain		121.5	+ .15			

Calculated by AR Date 2/18/69
 Checked by RJT Date 2/19/69

214.4
5

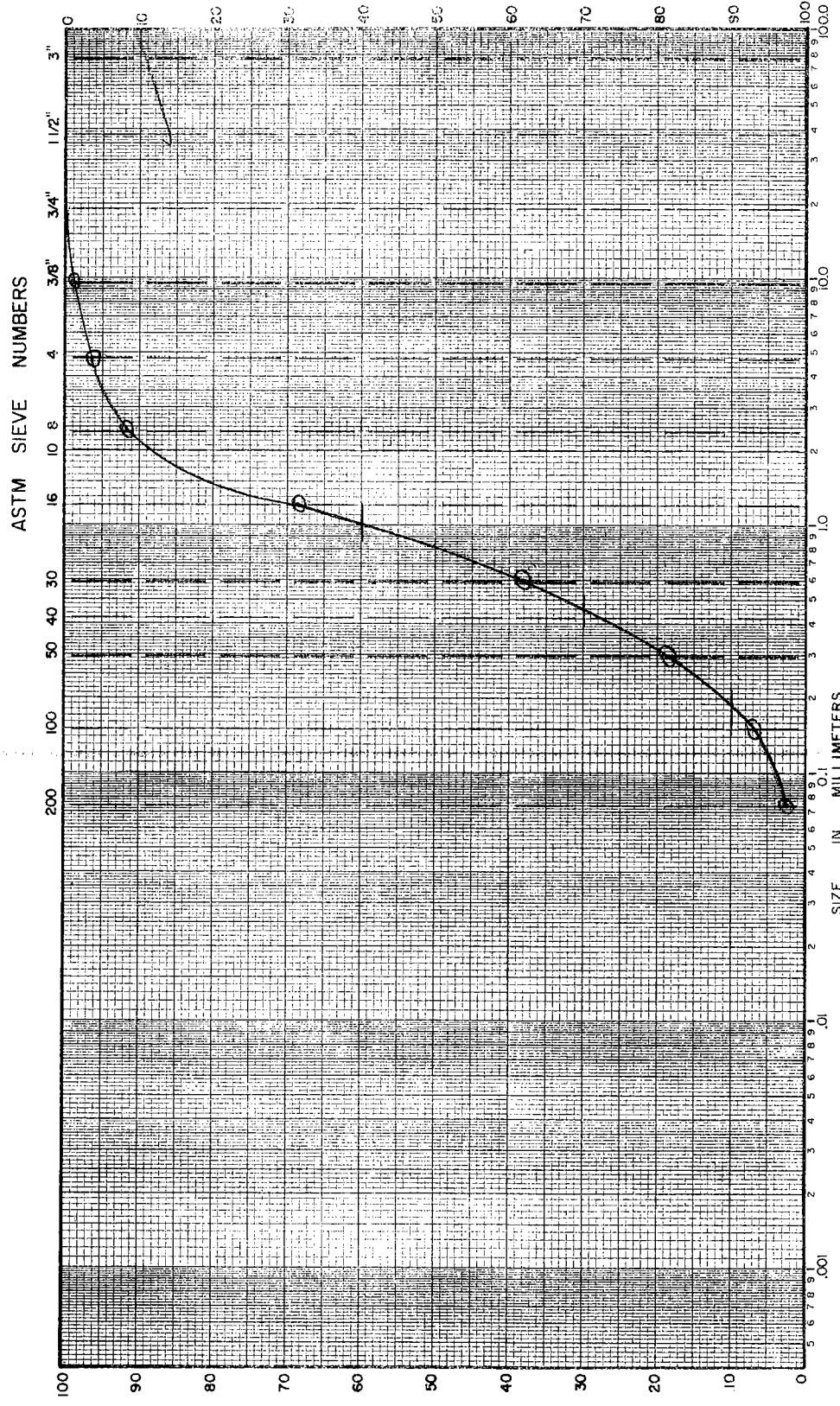
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22037
 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 0.45 0.19 mm
 D₃₀ _____ mm D₅₀ 1.0 mm
 C_u = D₆₀/D₁₀ _____ PLOTTED BY NR
 C_c = (D₃₀)² / (D₁₀ x D₆₀) _____ CHECKED BY RLI
 GROUP SYMBOL _____ DATE 2/29/62
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	FINE	SAND MEDIUM	COARSE	FINE	GRAVEL COARSE
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