

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

(12)

SW

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22846 Total Weight of Sample _____ lbs.
 Project DEER CYN DB _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 2/17/65 Plotted By _____
 Boring No. 1 Sample No. R Remarks NP
 Sampled By _____ Lab Tested By R 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					
1½"	38.1	0.19		7.5	7.5		
(1")	(25.4)	-		-	7.5		
¾"	19.1	0.07		2.8	10.3		
⅜"	9.52	0.11		4.3	14.6		
No. 4	4.76	0.34	.71	13.4	28.0	72.0	
Pan	0	1.91		xxxxx			
Total Fractions		2.62		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.83		72.0			
Total Oven-Dry		2.54		100.00			

Moisture Determination of Fines:
 Cup No. 38
 Dry Weight 169.7 grams
 Moisture 4.5 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 95.7 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 132.9 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	14.95	11.2	39.2		
16	1.19	27.60	20.8	60.0		
30	0.59	24.15	18.2	78.2		
50	.297	13.65	10.3	88.5		
100	.149	8.05	6.1	94.6		
200	.074	2.60	2.0	96.7	3.3	
Pan	0	0.00	-			
Total Fractions		91.00				
Total Dry Weight After Wet Sieving <u>212.75</u>		91.25	68.7			
Sieve Loss-Gain <u>121.50</u>		-.25				

Calculated by R Date 2/18/65
 Checked by RJT Date 2/19/65

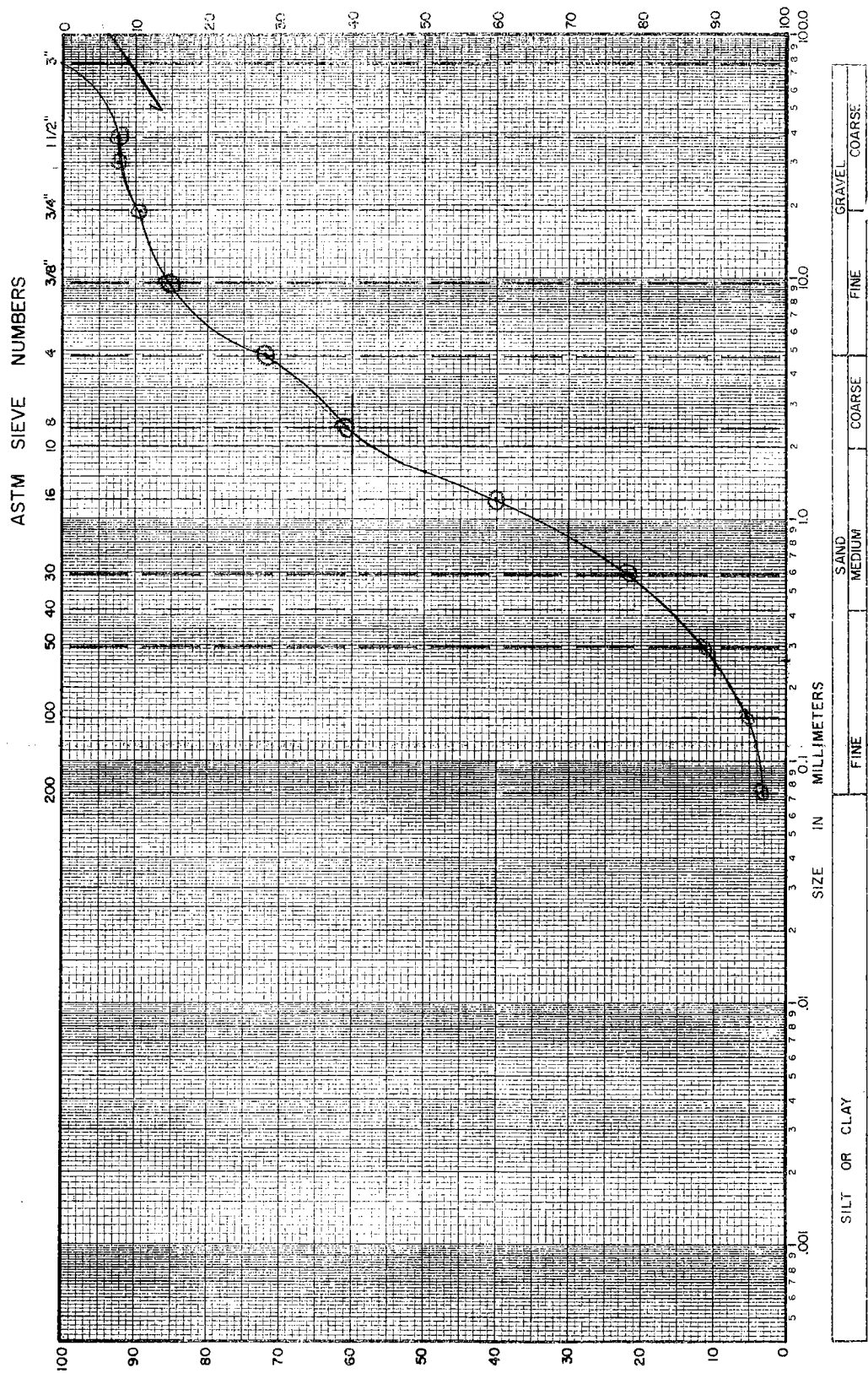
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22846
 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 96.7 PERCENT (+) NO. 4 28.0
 % (+) NO. 4 / % (+) NO. 200 < 50 D₁₀ 0.26 mm
 D₃₀ 0.85 mm D₆₀ 2.3 mm
 C_u = D₆₀/D₁₀ 8.85 PLOTTED BY NR
122 C_c = (D₃₀)² / (D₁₀ x D₆₀) 1.21 CHECKED BY RI
1598 GROUP SYMBOL _____ DATE 2/21/69
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



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LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SP

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22847
Project DEER CANYON
Station _____
Location _____
Boring No. 2 Sample No. _____
Sampled By _____ Lab Tested By R

Total Weight of Sample _____ lbs.
_____ grams.
Moisture Content of Fines _____ %.
Date Tested 2/17/69 Plotted By _____
Remarks NON PLASTIC
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	0.01		0.8	0.8		
No. 4	4.76	0.04	0.5	3.3	4.1	95.9	
Pan	0	1.19		xxxxx			
Total Fractions		1.24		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.16		95.9			
Total Oven-Dry		1.21		100.00			

Moisture Determination of Fines:
Cup No. 60
Dry Weight 171.2 grams
Moisture 2.9 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 97.2 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 101.4 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	6.65	6.6	10.7		
16	1.19	21.15	20.9	31.6		
30	0.59	27.55	27.2	58.8		
50	.297	23.50	23.2	82.0		
100	.149	12.85	12.5	94.5		
200	.074	3.65	3.6	98.2	1.8	
Pan	0	0.00	-			
Total Fractions		95.15				
Total Dry Weight After Wet Sieving		216.90	95.40	94.1		
Sieve Loss-Gain		121.50	-.25			

Calculated by R Date 2/17/69
Checked by RJT Date 2/17/69

216.90
50

Note: Cross out sieve numbers not used.

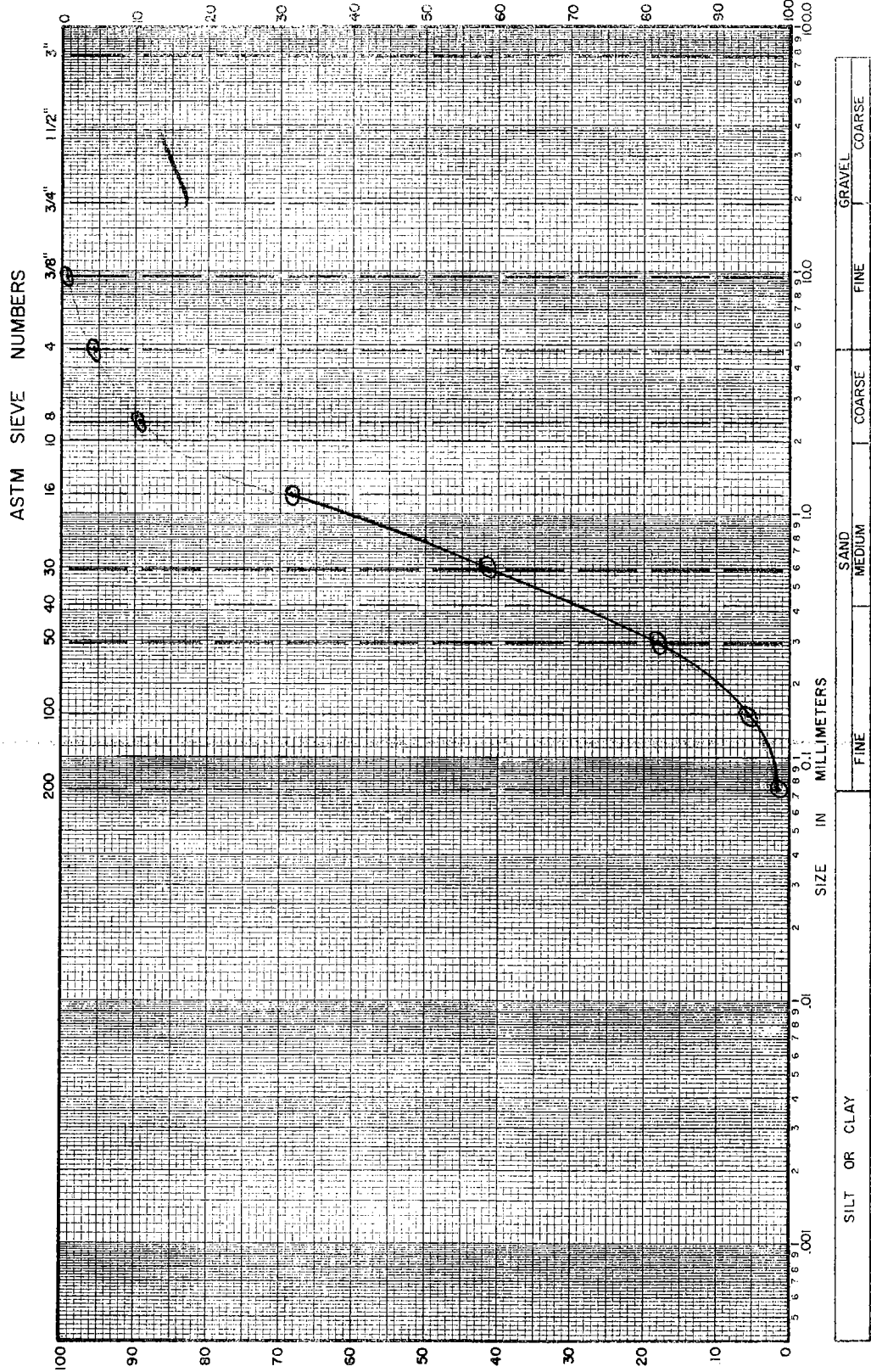
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

MECHANICAL ANALYSIS

LAB. SERIAL NO. 2284
 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 _____ D₁₀ 0.20 mm
 D₃₀ _____ mm D₆₀ 0.99 mm
 C_u = D₆₀ / D₁₀ 5.0 ✓ PLOTTED BY _____
 C_c = (D₃₀)² / (D₁₀ x D₆₀) _____ CHECKED BY RTT
 GROUP SYMBOL _____ DATE 2/19/59
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

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GM

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22848
Project DEER CYN DB
Station _____
Location _____
Boring No. 3 Sample No. _____
Sampled By JBC/AL Lab Tested By R

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						
1 1/2"	38.1	0.25		15.7	15.7		
(1")	(25.4)	—		—	15.7		
3/4"	19.1	0.03		1.9	17.6		
3/8"	9.52	0.11		6.9	24.5		
No. 4	4.76	0.26	.65	16.4	40.9	59.1	
Pan	0	1.09		xxxxx			
Total Fractions		1.74		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		0.94		59.1			
Total Oven-Dry		1.59		100.00			

Moisture Determination of Fines:
Cup No. 8
Dry Weight 160.0 grams
Moisture 16.3 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 86.0 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 145.5 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	11.50	7.9	48.8		
16	1.19	20.45	14.1	62.9		
30	0.59	19.25	13.2	76.1		
50	.297	6.75	4.6	80.7		
100	.149	0.15	.1	80.9	80.8	
200	.074	0.05	0.0	80.0	80.0	20.0
Pan	0	0.00	—			20.0
Total Fractions		58.15				
Total Dry Weight After Wet Sieving		178.35	39.1			
Sieve Loss-Gain		121.50	-0.70			

Calculated by R Date 2/19/69
Checked by SHE Date 2/20/69

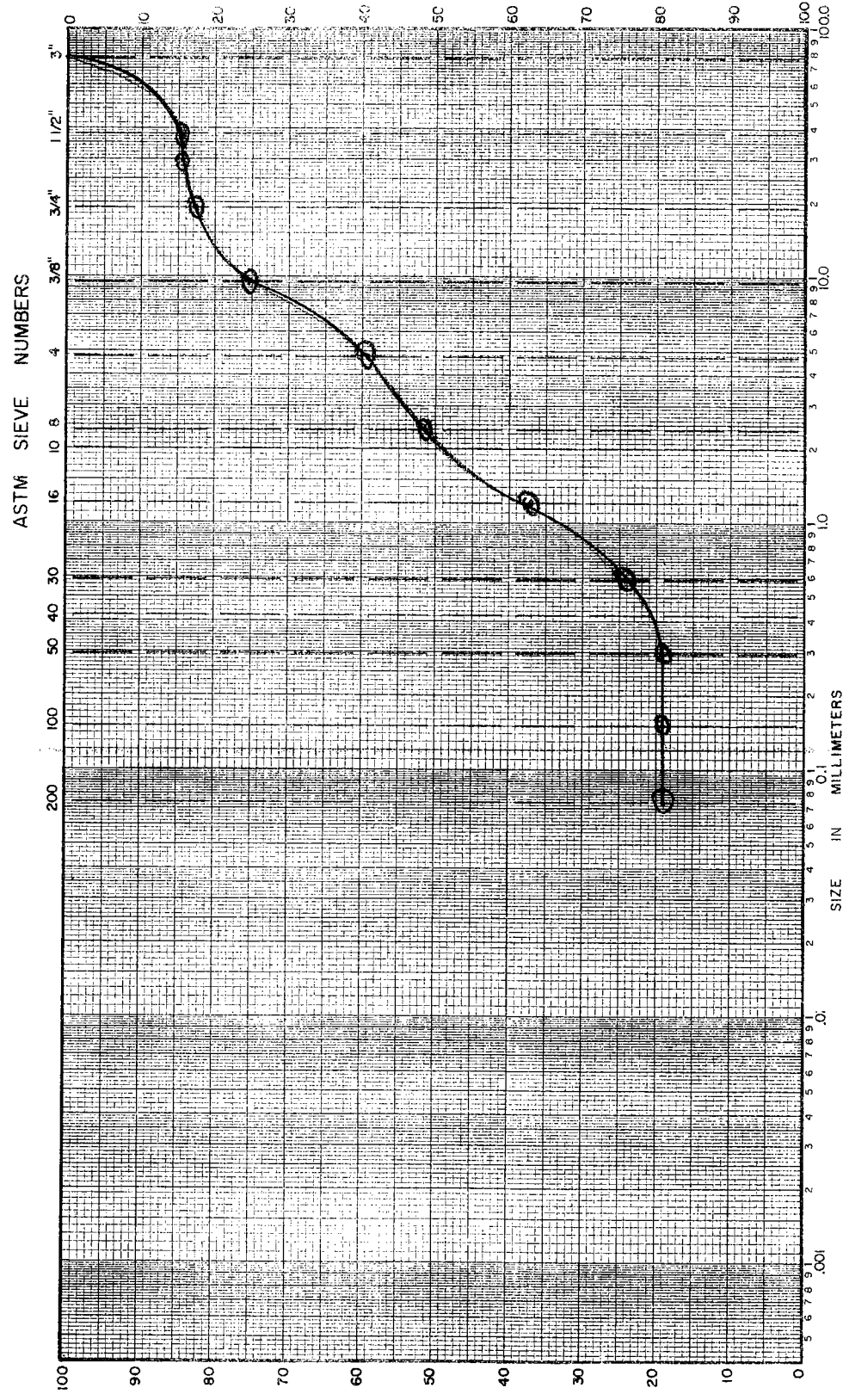
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22848
 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 AK
 C_c = (D₃₀)² / (D₁₀ x D₆₀) _____ CHECKED BY AK
 GROUP SYMBOL _____ DATE _____
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	FINE	SAND	MEDIUM	COARSE	FINE	GRAVEL	COARSE
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