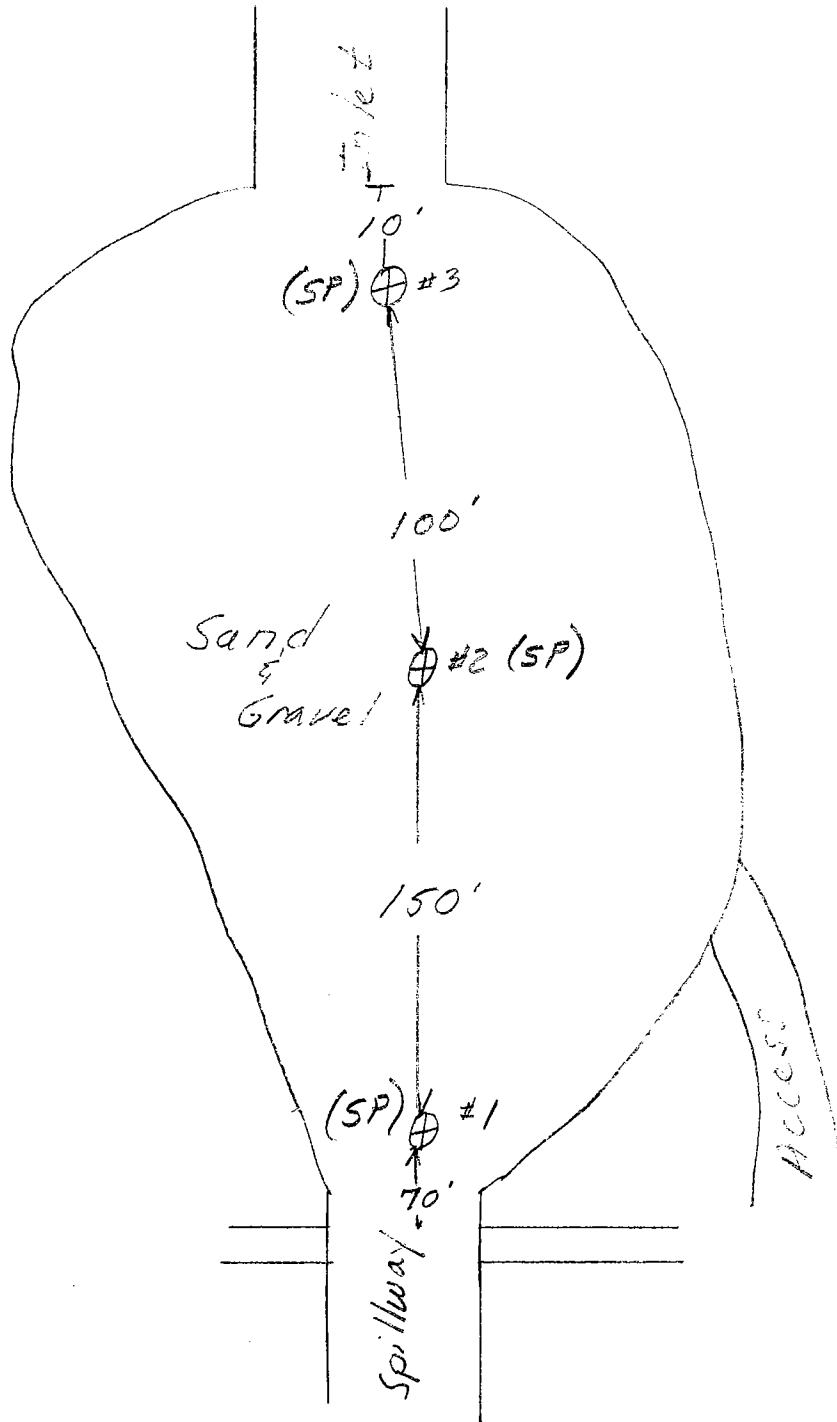


Snoover Canyon D.B.

52



JJB-JAL

2-28-69

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

✓
SP (52)

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22976 Total Weight of Sample 2.20 lbs.
 Project SNOVER D.B. _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested _____ Plotted By _____
 Boring No. _____ Sample No. _____ Remarks _____
 Sampled By _____ Lab Tested By NR-JHE 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)	.22		10.5 ✓	10.5		
¾"	19.1	.0		—	10.5		
⅜"	9.52	.17		8.1 ✓	18.6		
No. 4	4.76	.16	.55 ✓	7.7 ✓	26.3	73.7 ✓	
Pan	0	1.65		xxxxx			
Total Fractions		2.20 ✓		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.54 ✓		73.7 ✓			
Total Oven-Dry		2.09 ✓		100.00			

Moisture Determination of Fines:
 Cup No. 19
 Dry Weight 167.5 grams
 Moisture 7.0 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 93.5 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 126.9 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	15.8	12.5 ✓	38.8 ✓		
16	1.19	25.6	20.2 ✓	59.0 ✓		
30	0.59	31.4	24.7 ✓	83.7 ✓		
50	.297	12.1	9.5 ✓	93.2 ✓		
100	.149	5.5	4.3 ✓	97.5 ✓		
200	.074	1.8	1.4 ✓	99.0 ✓	1.0	
Pan	0	0.0	—			
Total Fractions		92.0 ✓				
Total Dry Weight After Wet Sieving <u>2.215</u>		92.3	72.7 ✓			
Sieve Loss-Gain		-1.1 ✓				

Calculated by AR Date 3/11/69
 Checked by SHE Date 3/12/69

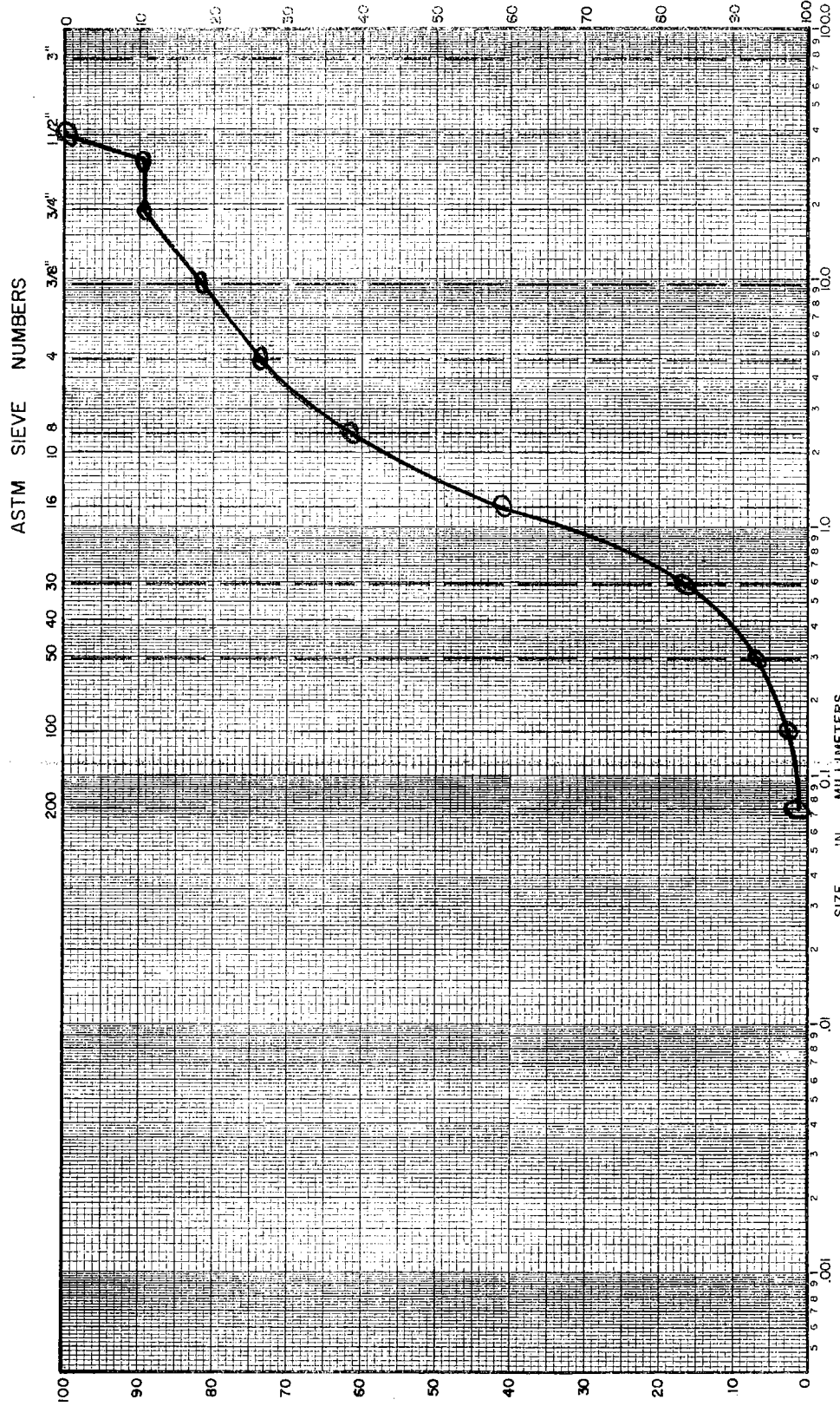
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22976
 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. 40 _____
 % (+) NO. 4 / % (+) NO. 200 _____ D₁₀ 0.40 mm
 D₃₀ _____ mm D₆₀ 2.2 mm
 C_u = D₆₀ / D₁₀ _____ PLOTTED BY AK
 C_c = (D₃₀)² / (D₁₀ x D₆₀) _____ CHECKED BY RI
 GROUP SYMBOL _____ DATE 3/13/64
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	SIZE IN MILLIMETERS	SAND	GRAVEL
		MEDIUM	COARSE
		COARSE	COARSE
		FINE	



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

SP
⑫

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22977

Total Weight of Sample 1.37 lbs.

Project SNOWER D.E

grams.

Station _____

Moisture Content of Fines _____ %.

Location _____

Date Tested 3/10/69 Plotted By _____

Boring No. _____ Sample No. _____

Remarks NR

Sampled By _____ Lab Tested By NR-JHE

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	.04		3.1	3.1		
No. 4	4.76	.02	.06	1.6	4.7	95.3	
Pan	0	1.31		xxxxx			
Total Fractions		1.37		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.22		95.3			
Total Oven-Dry		1.28		100.00			

Moisture Determination of Fines:
Cup No. 60
Dry Weight 167.1 grams
Moisture 7.4 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 93.0 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 97.6 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	2.8	2.9	7.6		
16	1.19	12.2	12.5	20.1		
30	0.59	31.2	32.0	52.1		
50	.297	27.2	27.9	80.0		
100	.149	15.3	15.7	95.7		
200	.074	3.0	3.1	98.5	1.5	
Pan	0	4.0				
Total Fractions		91.7				
Total Dry Weight After Wet Sieving		21.8 91.6		93.8		
Sieve Loss-Gain		120.2 91.6				

Calculated by NR Date 3/17/69
Checked by _____ Date _____

120.2
91.6

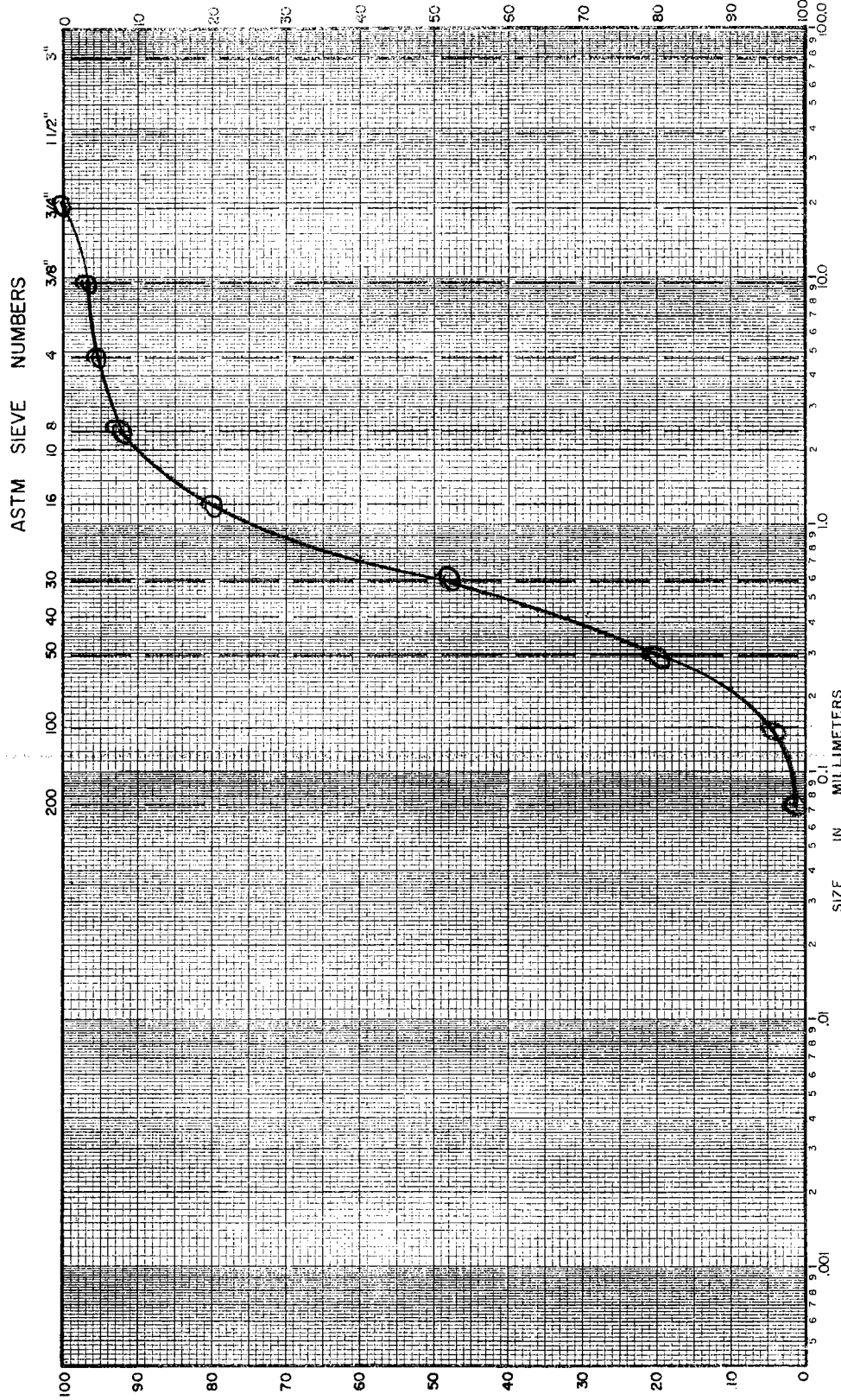
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22977
 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 82
 % (+) NO. 4 / % (+) NO. 200 _____ D₁₀ _____ mm
 D₃₀ _____ mm D₆₀ 70 mm
 Cu = D₆₀/D₁₀ 3.3 PLOTTED BY RR
 Cc = (D₃₀)² / (D₁₀ x D₆₀) 1.1 CHECKED BY SHF
 GROUP SYMBOL SP DATE 3/18/62
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



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

SP
(52)

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22978
Project SNOVER D.P.
Station _____
Location _____
Boring No. _____ Sample No. _____
Sampled By _____ Lab Tested By NR-JHE

Total Weight of Sample 1.50 lbs.
grams.
Moisture Content of Fines _____ %
Date Tested 3/10/69 Plotted By _____
Remarks IP
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	.05		3.4	3.4		
No. 4	4.76	.07	.12	4.8	8.2	91.8	
Pan	0	1.38		xxxxx			
Total Fractions		1.50		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.33		91.7			
Total Oven-Dry		1.45		100.00			

Moisture Determination of Fines:
Cup No. 8
Dry Weight 170.1 grams
Moisture 4.1 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 96.1 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 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	6.5	6.2	14.4		
16	1.19	31.4	30.0	44.4		
30	0.59	31.5	30.1	74.5		
50	.297	16.4	15.7	90.2		
100	.149	7.2	6.9	97.1		
200	.074	1.8	1.7	99.3	0.7	
Pan	0	0.5				
Total Fractions		95.3				
Total Dry Weight After Wet Sieving		95.3	91.1			
Sieve Loss-Gain						

Calculated by AR Date 3/14/69
Checked by RJT Date 3/20/69

Note: Cross out sieve numbers not used.

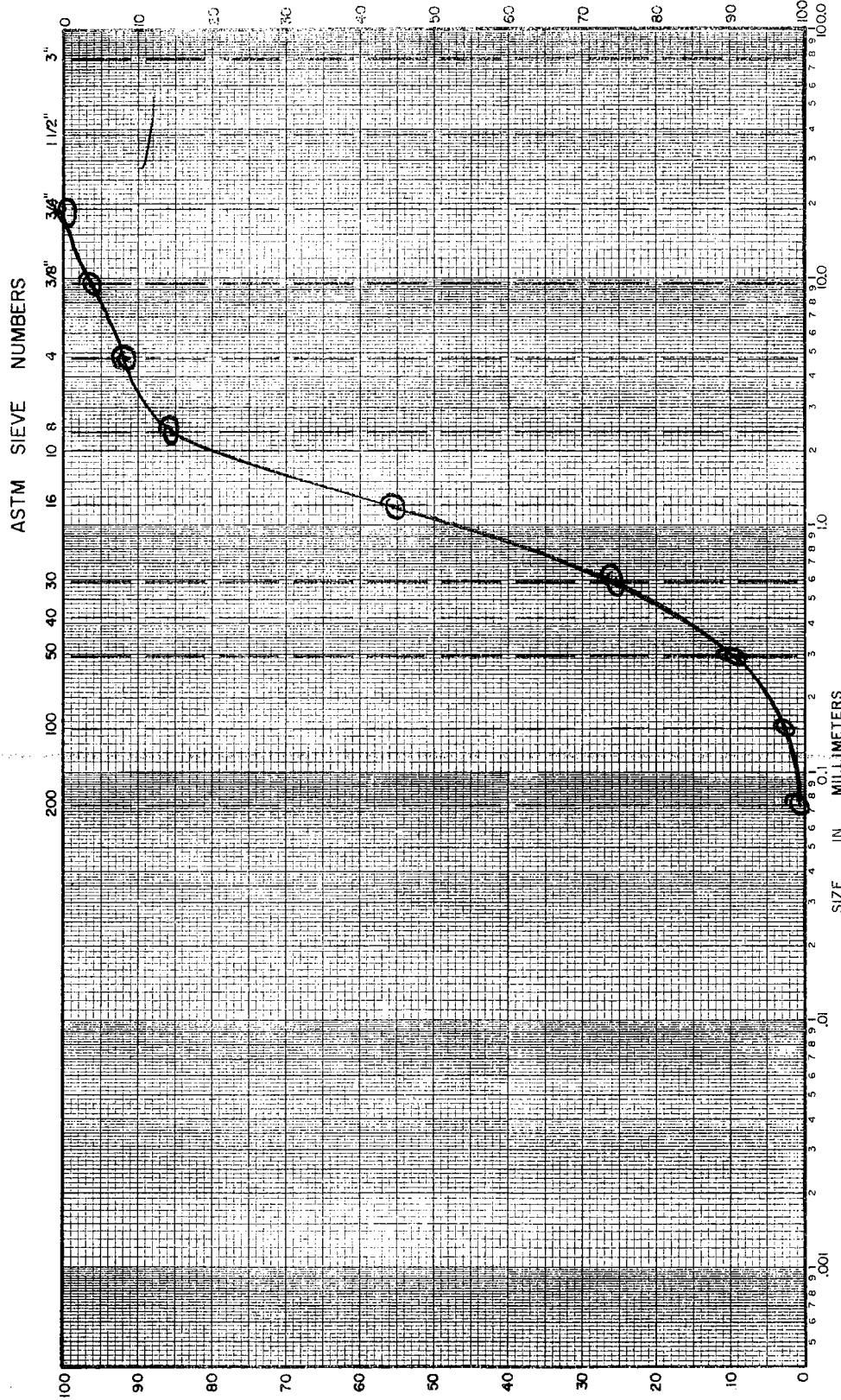
215.5
120.2
95.3

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

LAB. SERIAL NO. 22978
 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 NR
 C_c = (D₃₀)² / (D₁₀ x D₆₀) _____ CHECKED BY RJT
 GROUP SYMBOL _____ DATE 3/20/62
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	FINE	SAND MEDIUM	COARSE	FINE	GRAVEL COARSE
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