

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SP 27

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22875 Total Weight of Sample 1.26 lbs.
 Project HOOK DEBRIS WEST FORK _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 3/5/69 Plotted By _____
 Boring No. _____ Sample No. 1 Remarks NP
 Sampled By _____ Lab Tested By NR-FK 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	0.04		3.6	3.6		
No. 4	4.76	0.12	16	10.9	14.5	85.5	
Pan	0	1.10		xxxxx			
Total Fractions		1.26		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		0.94		85.5			
Total Oven-Dry		1.10		100.00			

Moisture Determination of Fines:
 Cup No. 58
 Dry Weight 159.5 grams
 Moisture 17.0 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 85.5 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 100.0 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	6.7	6.7	21.2		
16	1.19	20.7	20.7	41.9		
30	0.59	26.5	26.5	68.4		
50	.297	19.8	19.8	88.2		
100	.149	8.1	8.1	96.3		
200	.074	1.7	1.7	98.2	1.8	
Pan	0	0.3				
Total Fractions		83.8				
Total Dry Weight After Wet Sieving <u>203.9</u>		83.7	83.7			
Sieve Loss-Gain <u>120.2</u>		+1				

Calculated by NR Date 3/6/69
 Checked by SHE Date 3/4/69

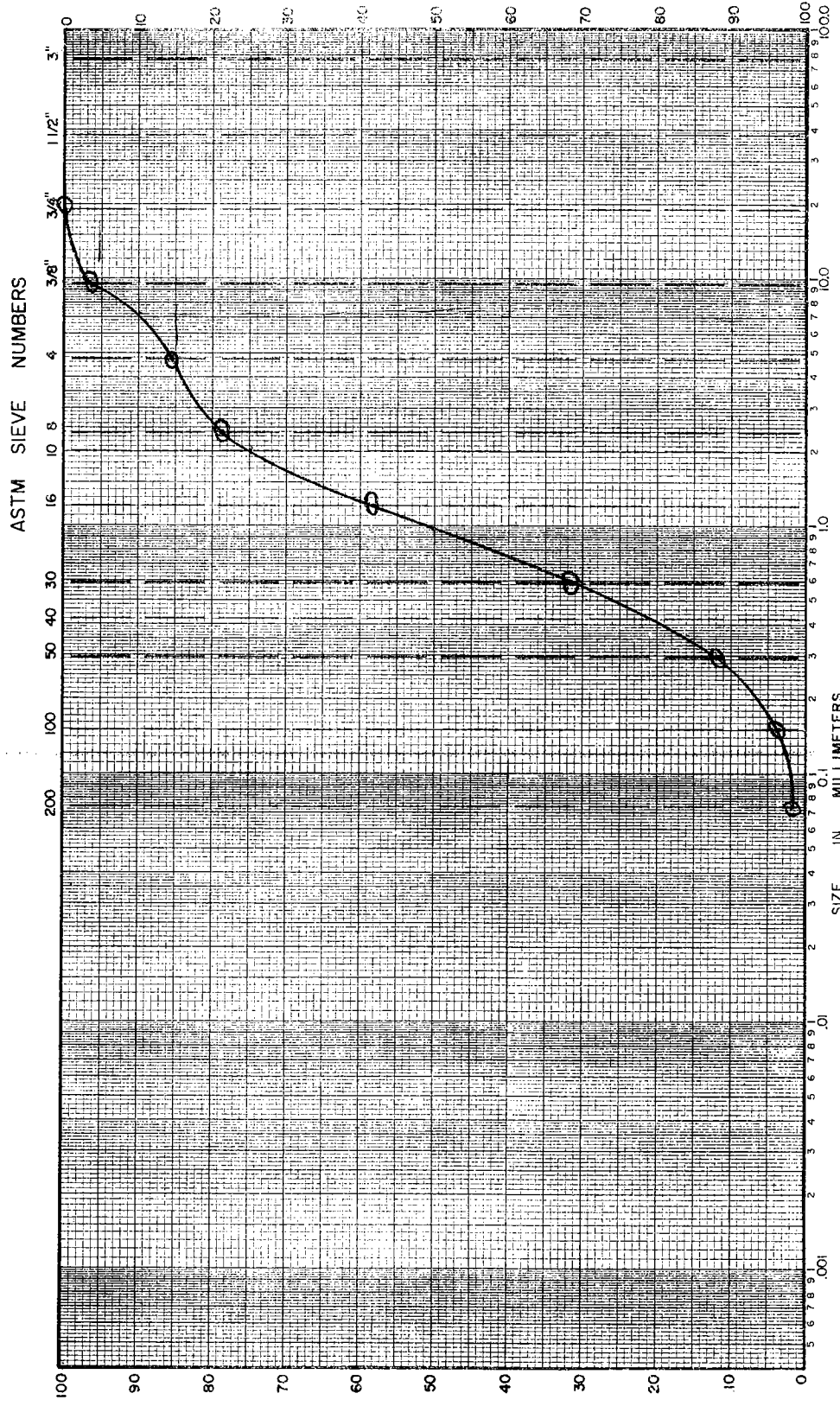
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22875
 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 1.2 mm
 D₃₀ 5.6 mm D₆₀ 4.4 mm PLOTTED BY NR
 C_u = D₆₀/D₁₀ _____
 C_c = (D₃₀)² / (D₁₀ x D₆₀) _____ CHECKED BY III
 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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LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SP (27)

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22876 Total Weight of Sample 1.34 lbs.
 Project HOOK BEERIS WEST FORK _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 3-5-69 Plotted By _____
 Boring No. _____ Sample No. 2 Remarks NP
 Sampled By _____ Lab Tested By NR-FK 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	0.32		26.7	26.7		
⅜"	9.52	0.08		0.7	33.4		
No. 4	4.76	0.11	51	9.2	42.6	57.5	
Pan	0	0.83		xxxxx			
Total Fractions		1.34		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.69		57.5			
Total Oven-Dry		1.20		100.00			

Moisture Determination of Fines:
 Cup No. 63
 Dry Weight 157.7 grams
 Moisture 19.5 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 83.7 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 145.6 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	11.5	7.9	50.5		
16	1.19	20.7	14.2	64.7		
30	0.59	18.4	12.6	77.3		
50	.297	13.9	9.5	86.8		
100	.149	10.6	7.3	94.1		
200	.074	4.2	2.9	97.5	2.5	
Pan	0	0.6	-			
Total Fractions		79.9				
Total Dry Weight After Wet Sieving		80.0	54.9			
Sieve Loss-Gain		-.1				

Calculated by NP Date 3/6/69
 Checked by SHF Date 3/6/69

Note: Cross out sieve numbers not used.

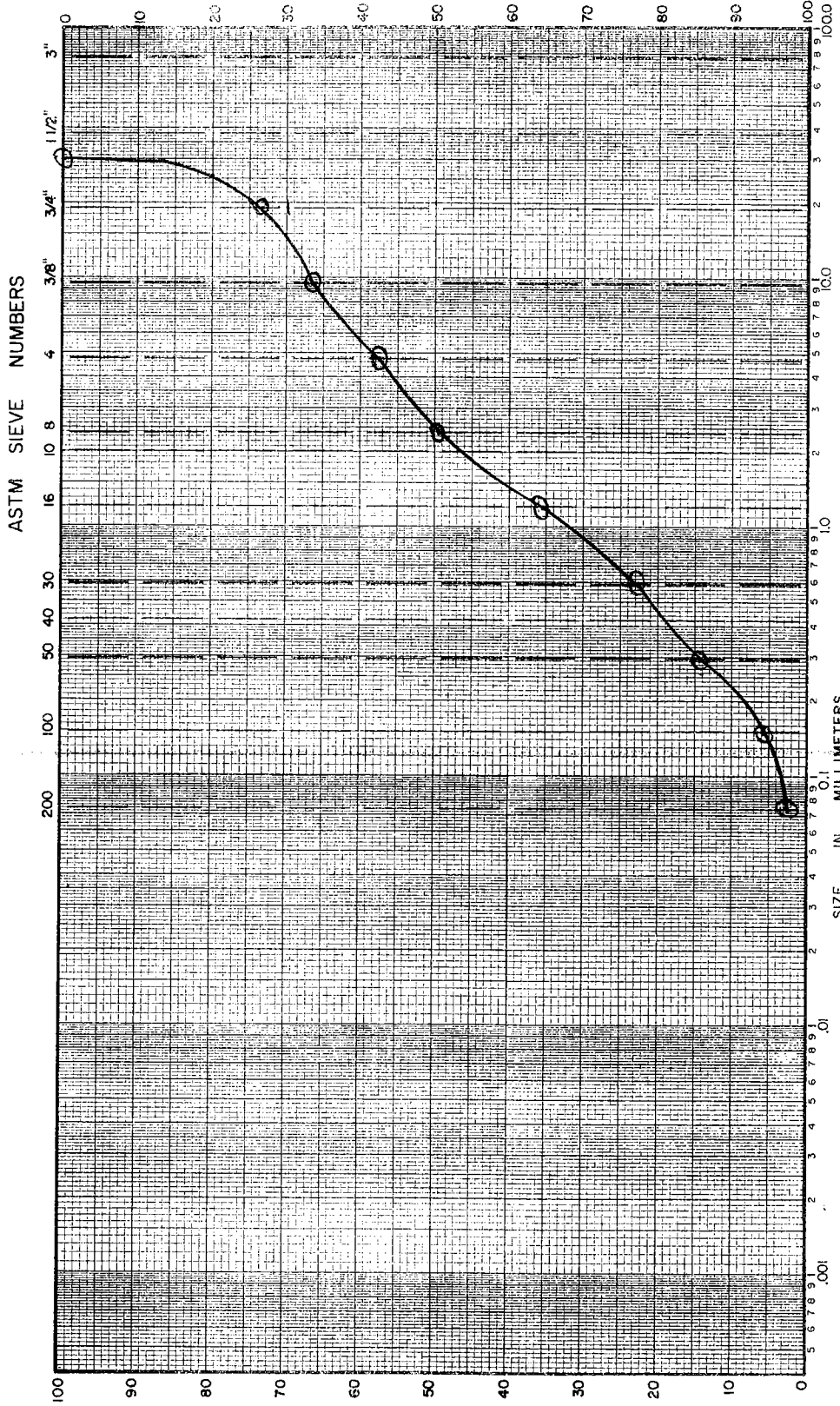
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

LAB. SERIAL NO. 22876
 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 0.075 mm
 D₃₀ 0.425 mm D₆₀ 0.85 mm
 C_u = D₆₀ / D₁₀ 11.3 PLOTTED BY NR
 C_c = (D₃₀)² / (D₁₀ x D₆₀) 0.62 CHECKED BY SHE
 GROUP SYMBOL _____ DATE 3/6/69

NOTE: D_x = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	FINE	SAND	MEDIUM	COARSE	FINE	GRAVEL	COARSE
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