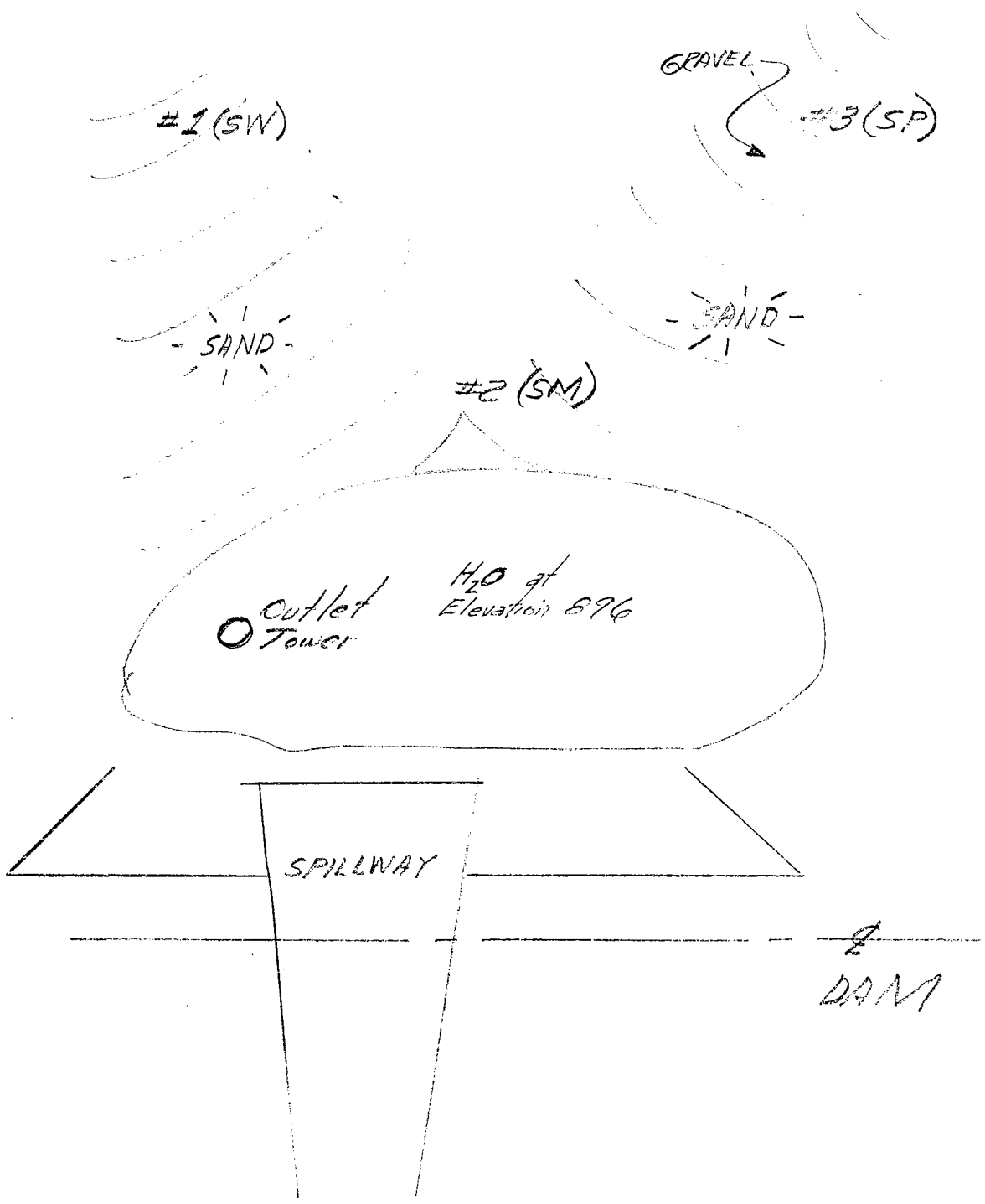
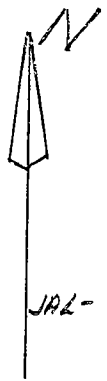


Arcock Debris Basin

3/3/69

Maddock ?? res - ?



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

S W 23

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22892
Project MALIBU D.B.
Station _____
Location _____
Boring No. _____ Sample No. _____
Sampled By _____ Lab Tested By FK

Total Weight of Sample 1.00 lbs.
_____ grams.
Moisture Content of Fines _____ %.
Date Tested 2-26-69 Plotted By FK
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						
⅜"	9.52	0.04		4.3	4.3		
No. 4	4.76	0.08	12	8.7	13.0	87.0	
Pan	0	0.08		xxxxx			
Total Fractions		1.00		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		0.80		87.0			
Total Oven-Dry		0.92		100.00			

Moisture Determination of Fines:
Cup No. 6
Dry Weight 164.6 grams
Moisture 10.4 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 90.6 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 104.1 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	9.4	9.0	22.0		
16	1.19	18.8	18.1	40.1		
30	0.59	24.8	23.8	63.9		
50	.297	17.9	17.2	81.1		
100	.149	11.7	11.2	92.3		
200	.074	4.2	4.0	97.1	2.9	
Pan	0	0.8				
Total Fractions		87.6				
Total Dry Weight After Wet Sieving		87.6	84.1			
Sieve Loss-Gain						

Calculated by AR Date 2/27/69
Checked by SJF Date 2/28/69

20.8
12.2
87.6

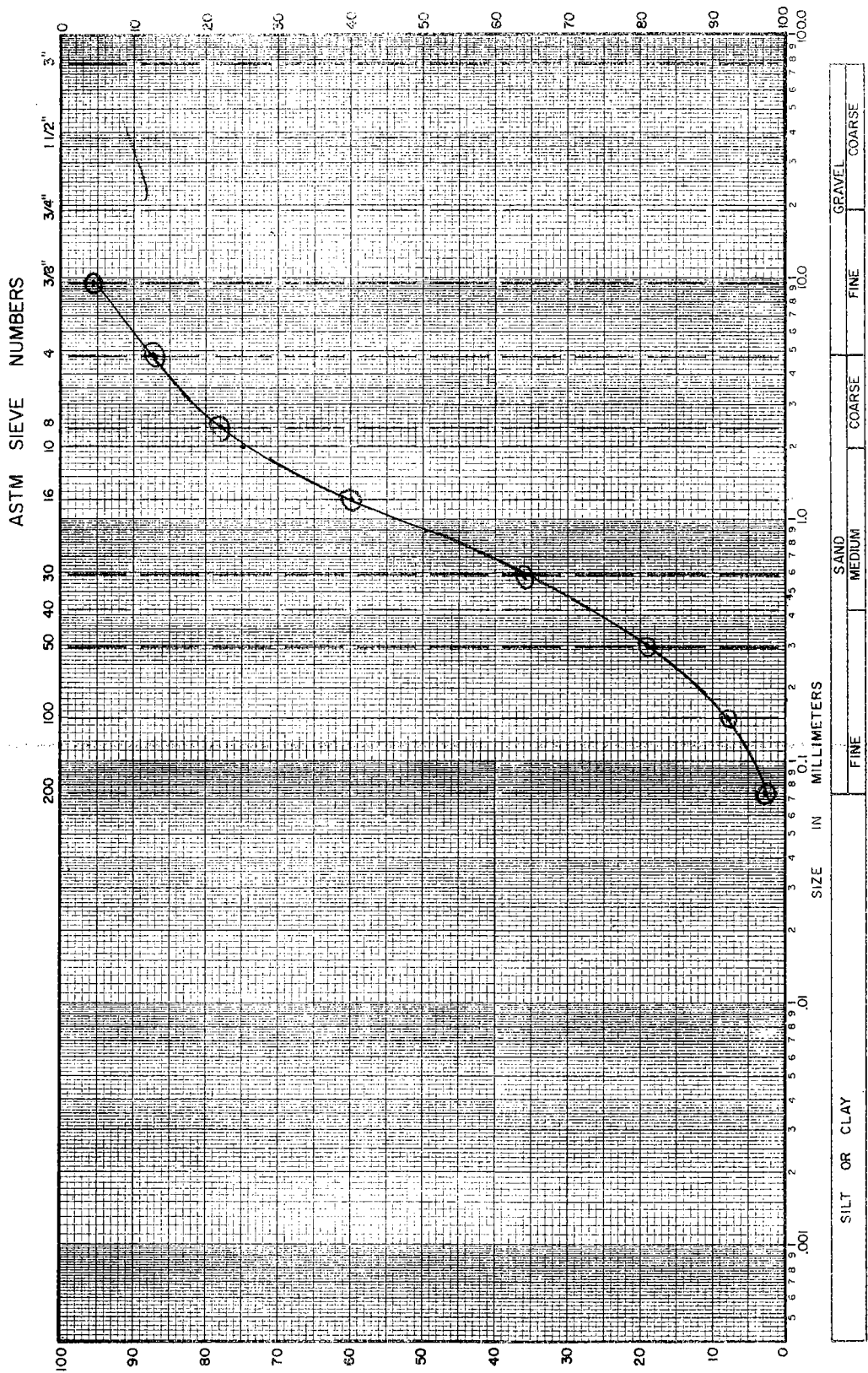
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22892
 JOB WAWCSEDD
 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 0.18 mm
 D₃₀ 0.48 mm D₆₀ 1.2 mm
 C_u = D₆₀/D₁₀ 6.67 PLOTTED BY FK
 C_c = (D₃₀)² / (D₁₀ x D₆₀) 1.1 CHECKED BY RTT
 GROUP SYMBOL _____ DATE 2/28/69
 NOTE: D_x = PARTICLE DIA. AT X % PASSING



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SM 23

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22893 Total Weight of Sample 1.18 lbs.
 Project Hancock D.S. _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 2-26-69 Plotted By _____
 Boring No. _____ Sample No. _____ Remarks _____
 Sampled By _____ Lab Tested By 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						
⅜"	9.52	0.08		7.8	7.8		
No. 4	4.76	0.08	.16	7.8	15.6	84.5	
Pan	0	1.02		xxxxx			
Total Fractions		1.18		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		.87		84.5			
Total Oven-Dry		1.03		100.00			

Moisture Determination of Fines:
 Cup No. 14
 Dry Weight 158.9 grams
 Moisture 17.8 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 84.9 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 100.5 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	10.4	10.3	25.9		
16	1.19	18.2	18.1	44.0		
30	0.59	17.2	17.1	61.1		
50	.297	9.6	9.6	70.7		
100	.149	2.1	2.1	72.8		
200	.074	0.3	0.3	72.8	27.2	
Pan	0	0.0	-			
Total Fractions		57.8				
Total Dry Weight After Wet Sieving		177.7	57.5	57.2		
Sieve Loss-Gain		120.2	- .3			

Calculated by AR Date 2/27/69
 Checked by S.H.F. Date 2/28/69

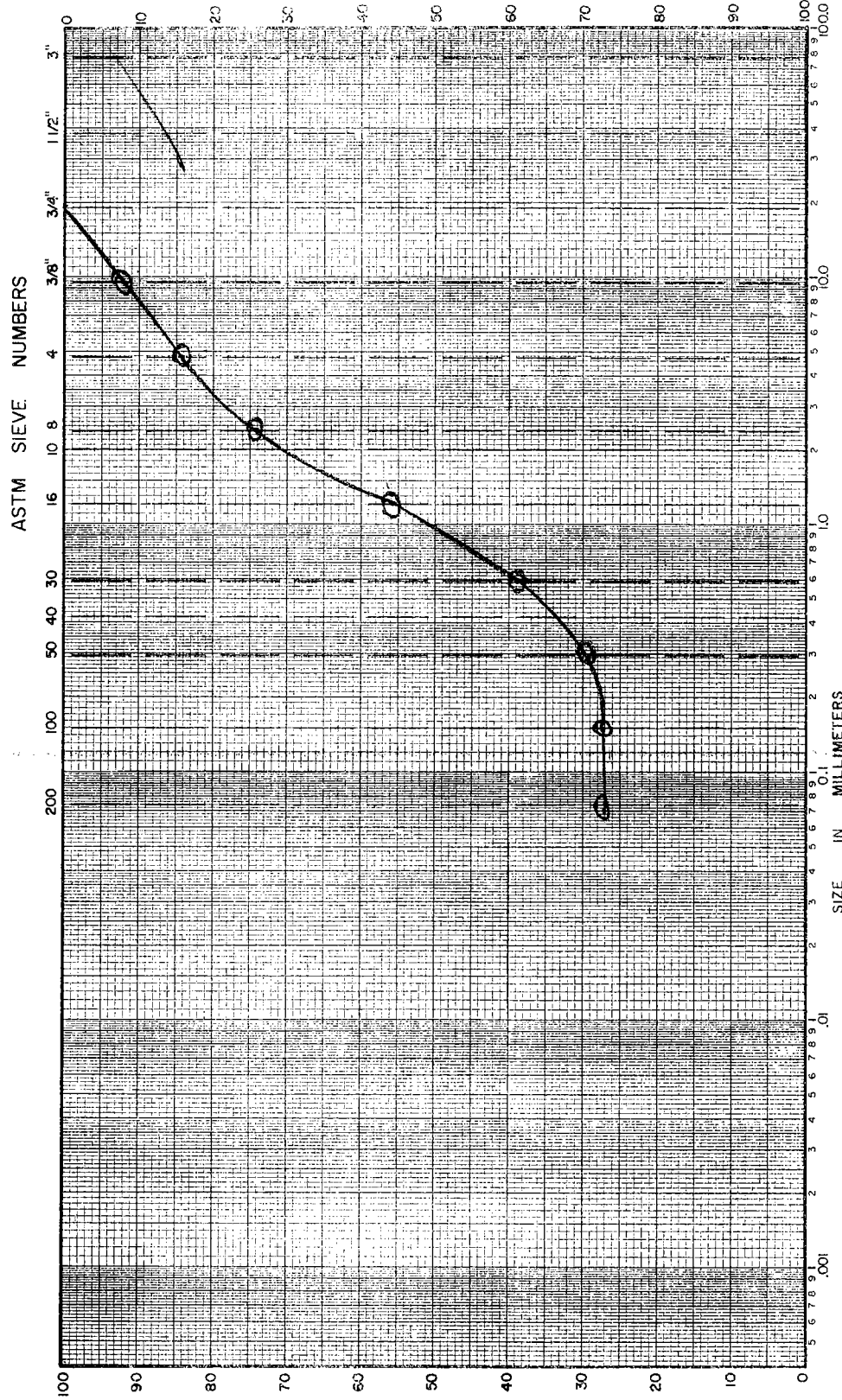
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22893
 JOB Hawcock D.P.
 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
 Cu = D₆₀/D₁₀ _____ PLOTTED BY RII
 Cc = (D₃₀)² / (D₁₀ x D₆₀) _____ CHECKED BY RII
 GROUP SYMBOL _____ DATE 2/26/69
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



SILT OR CLAY SAND MEDIUM FINE COARSE FINE COARSE GRAVEL COARSE

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SP (23)

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22824
Project HANCOCK D.B.
Station _____
Location _____
Boring No. _____ Sample No. _____
Sampled By _____ Lab Tested By FK

Total Weight of Sample 1.44 lbs.
_____ grams.
Moisture Content of Fines _____ %.
Date Tested 2-26-69 Plotted By FK
Remarks _____
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	0.27		19.9	19.9		
(1")	(25.4)	0.12		8.8	28.7		
¾"	19.1	—		—	28.7		
⅜"	9.52	0.10		7.4	36.1		
No. 4	4.76	0.10	59	7.4	43.5	56.6	
Pan	0	0.85		xxxxx			
Total Fractions		1.44		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		0.77		56.6			
Total Oven-Dry		1.36		100.00			

Moisture Determination of Fines:
Cup No. 13
Dry Weight 164.4 grams
Moisture 10.6 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 90.4 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 159.7 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	10.3	6.4	49.9		
16	1.19	16.8	10.5	60.4		
30	0.59	23.7	14.8	75.2		
50	.297	17.8	11.1	86.3		
100	.149	13.0	8.1	94.4		
200	.074	5.9	3.7	98.2	1.8	
Pan	0	—				
Total Fractions		87.5				
Total Dry Weight After Wet Sieving		207.6	87.4	54.7		
Sieve Loss-Gain		120.2	+0.1			

Calculated by AR Date 2/27/69
Checked by SHF Date 2/28/69

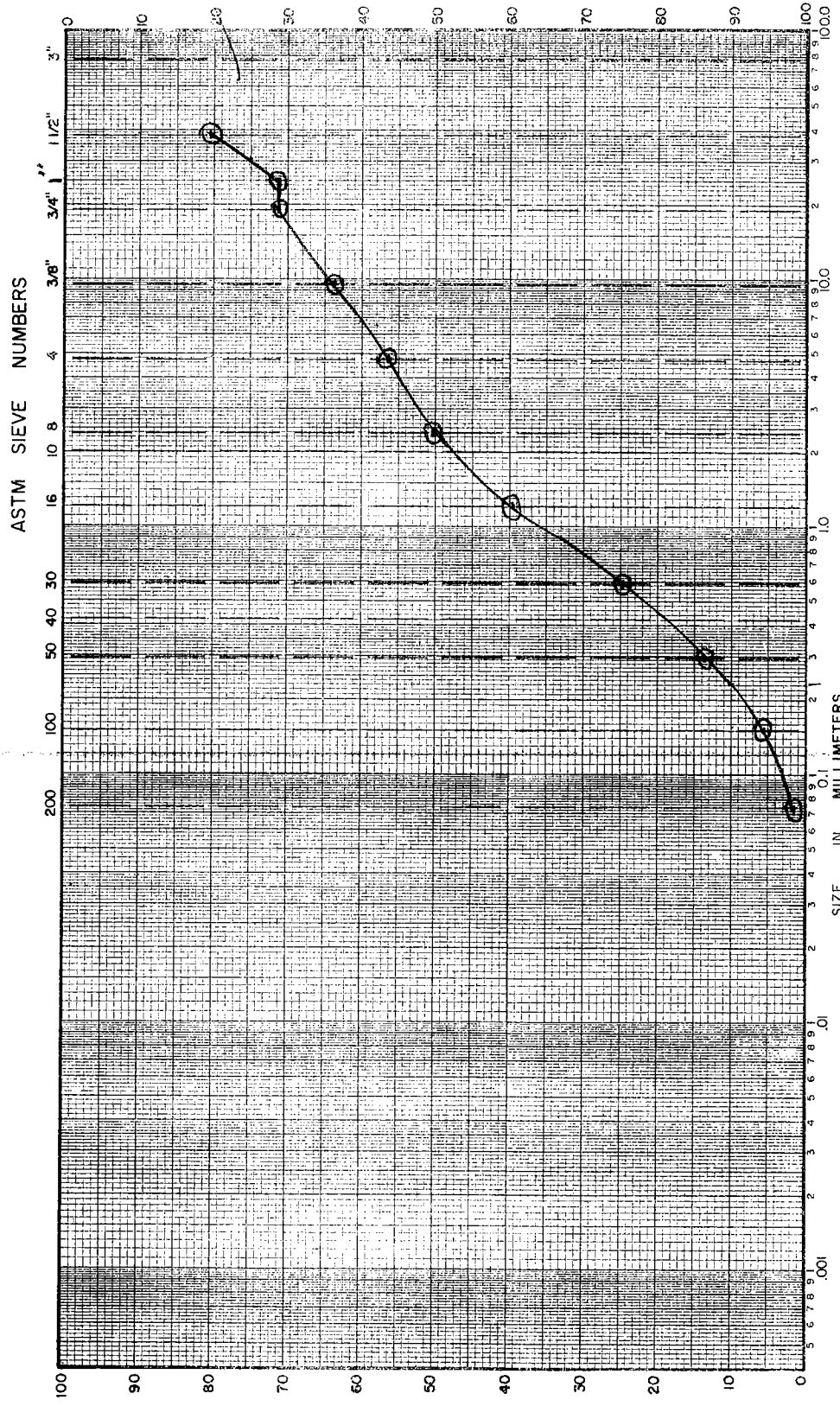
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22594
 JOB HANCOCK D.B.
 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 0.23 mm
 D₃₀ 0.75 mm D₆₀ 7.0 mm
 C_u = D₆₀/D₁₀ 30.4 PLOTTED BY FK
 C_c = (D₃₀)² / (D₁₀ x D₆₀) 3.8 CHECKED BY _____
 GROUP SYMBOL _____ DATE _____
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	SAND MEDIUM	SAND FINE	GRAVEL FINE	GRAVEL COARSE
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