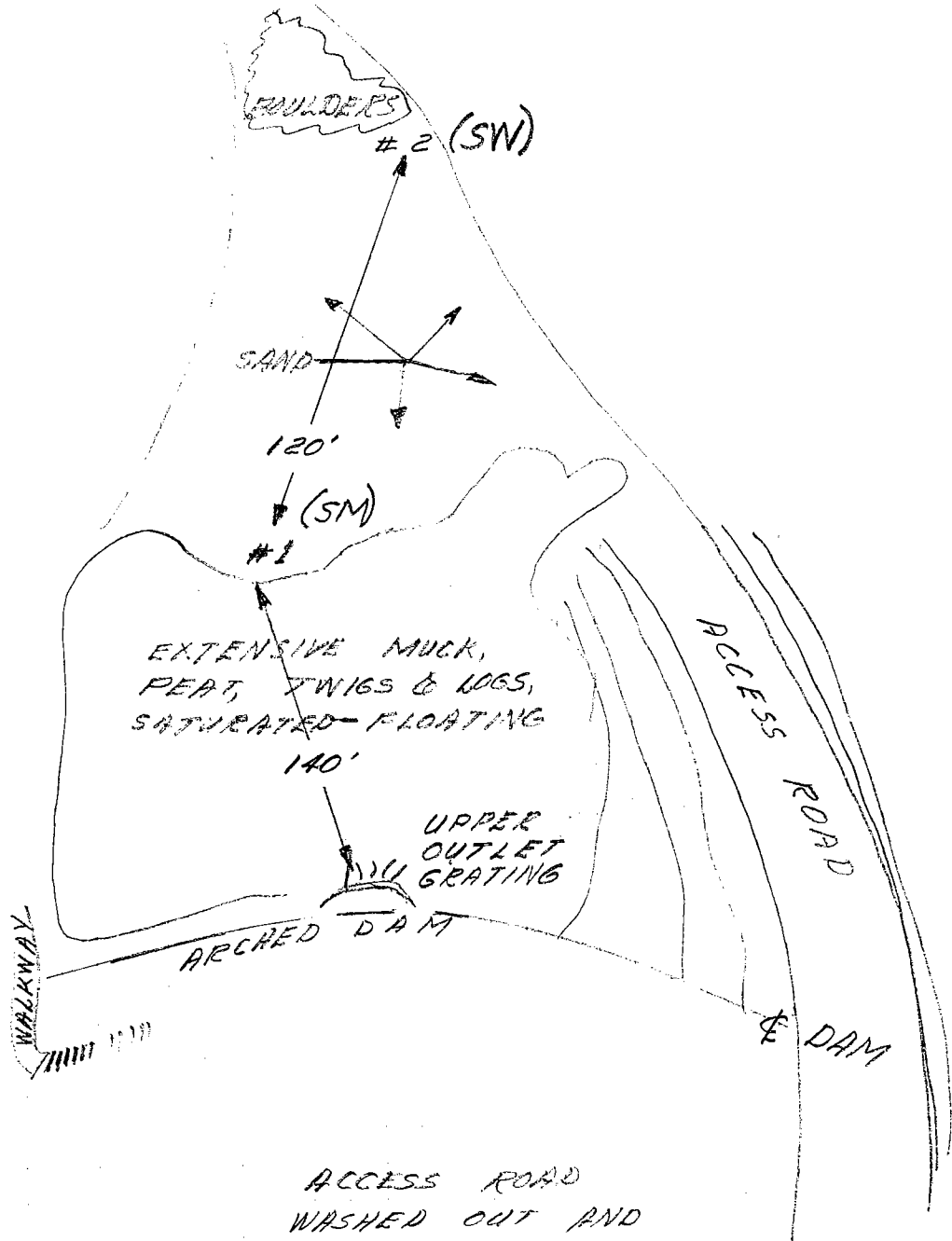


2/24/69,
from 2/21/69

57

Sunset Canyon Debris Dam (Upper)



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JAL & JUB

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SM (57)

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22916
Project SUNSET UPPER
Station _____
Location _____
Boring No. 1 Sample No. _____
Sampled By _____ Lab Tested By AR

Total Weight of Sample 1,21 lbs.
_____ grams.
Moisture Content of Fines _____ %.
Date Tested 2/26 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						
3/8"	9.52	0.01		1.0	1.0		
No. 4	4.76	0.05	0.6	5.0	6.0	94.1	
Pan	0	1.15		xxxxx			
Total Fractions		1.21		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		.95		94.1			
Total Oven-Dry		1.01		100.00			

Moisture Determination of Fines:
Cup No. 8
Dry Weight 157.0 grams
Moisture 20.5 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 83.0 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 88.2 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	6.7	7.6	13.6		
16	1.19	12.5	14.2	27.8		
30	0.59	13.8	15.6	43.4		
50	.297	10.4	11.8	55.2		
100	.149	11.7	13.3	68.5		
200	.074	10.9	12.4	81.2	18.8	
Pan	0	0.3				
Total Fractions		66.3				
Total Dry Weight After Wet Sieving		186.5	75.2			
Sieve Loss-Gain		120.2				

Calculated by AR Date 2/27/09
Checked by GMF Date 2/28/09

18' 6
120.2

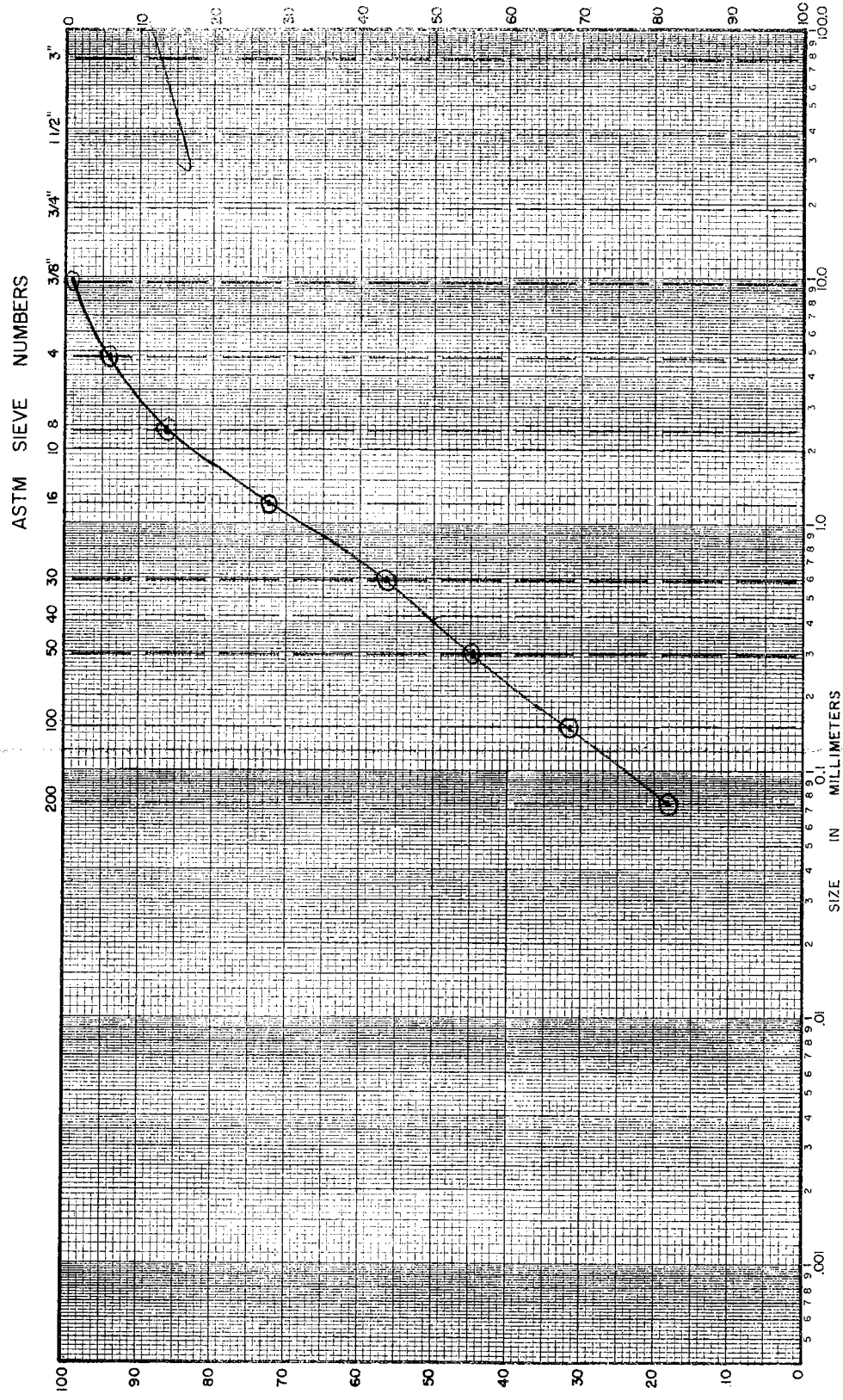
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 2-2-916
 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 FK
 C_c = (D₃₀)² / (D₁₀ x D₆₀) _____ CHECKED BY RJT
 GROUP SYMBOL _____ DATE 2/29/69
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	SOIL CLASSIFICATION	LIQ. LIM.	PLAS. IND.	FIELD CLASSIFICATION	BY	DATE	GROUP SYMBOL	CHECKED BY	DATE	PLOTTED BY
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LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SN (57)

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22917 Total Weight of Sample 1.20 lbs.
 Project SUNSET UPPER _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 2-24 Plotted By _____
 Boring No. 2 Sample No. _____ Remarks NP
 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						
1½"	38.1						
(1")	(25.4)						
¾"	19.1						
⅜"	9.52	0.107		6.1	6.1		
No. 4	4.76	0.10	1.17	8.8	14.9	85.1	
Pan	0	1.03		xxxxx			
Total Fractions		1.20		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		0.97		85.1			
Total Oven-Dry		1.14		100.00			

Moisture Determination of Fines:
 Cup No. 16
 Dry Weight 168.5 grams
 Moisture 5.8 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 94.5 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 11.0 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	10.0	9.0	23.9		
16	1.19	23.0	20.7	44.6		
30	0.59	28.9	26.0	70.6		
50	.297	16.2	14.6	85.2		
100	.149	18.4	9.4	94.6		
200	.074	4.1	3.7	98.2	1.8	
Pan	0	0.0				
Total Fractions		92.6				
Total Dry Weight After Wet Sieving		212.7	92.5	83.3		
Sieve Loss-Gain		120.2	+0.1			

Calculated by NR Date 2/25/69
 Checked by SJF Date 2/27/69

Note: Cross out sieve numbers not used.

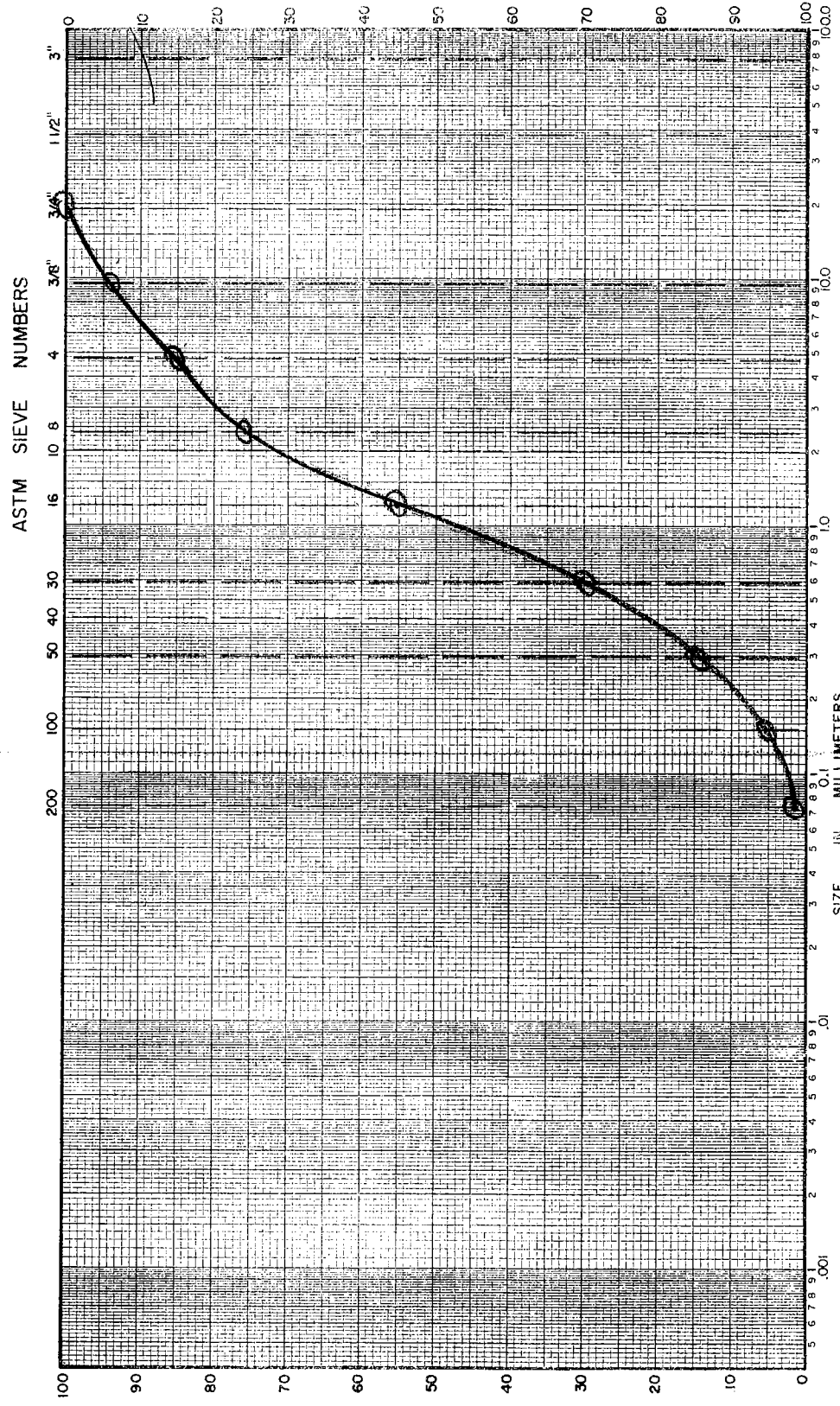
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division
MECHANICAL ANALYSIS

LAB. SERIAL NO. 22917
 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 D₅₀ _____ mm
 C_u = D₆₀ / D₁₀ _____ PLOTTED BY RT
 C_c = (D₃₀)² / (D₁₀ x D₆₀) _____ CHECKED BY _____
1.360
1.308
 GROUP SYMBOL _____ DATE 2/27/69

NOTE: D_x = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	FINE	SAND MEDIUM	COARSE	FINE	GRAVEL COARSE
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