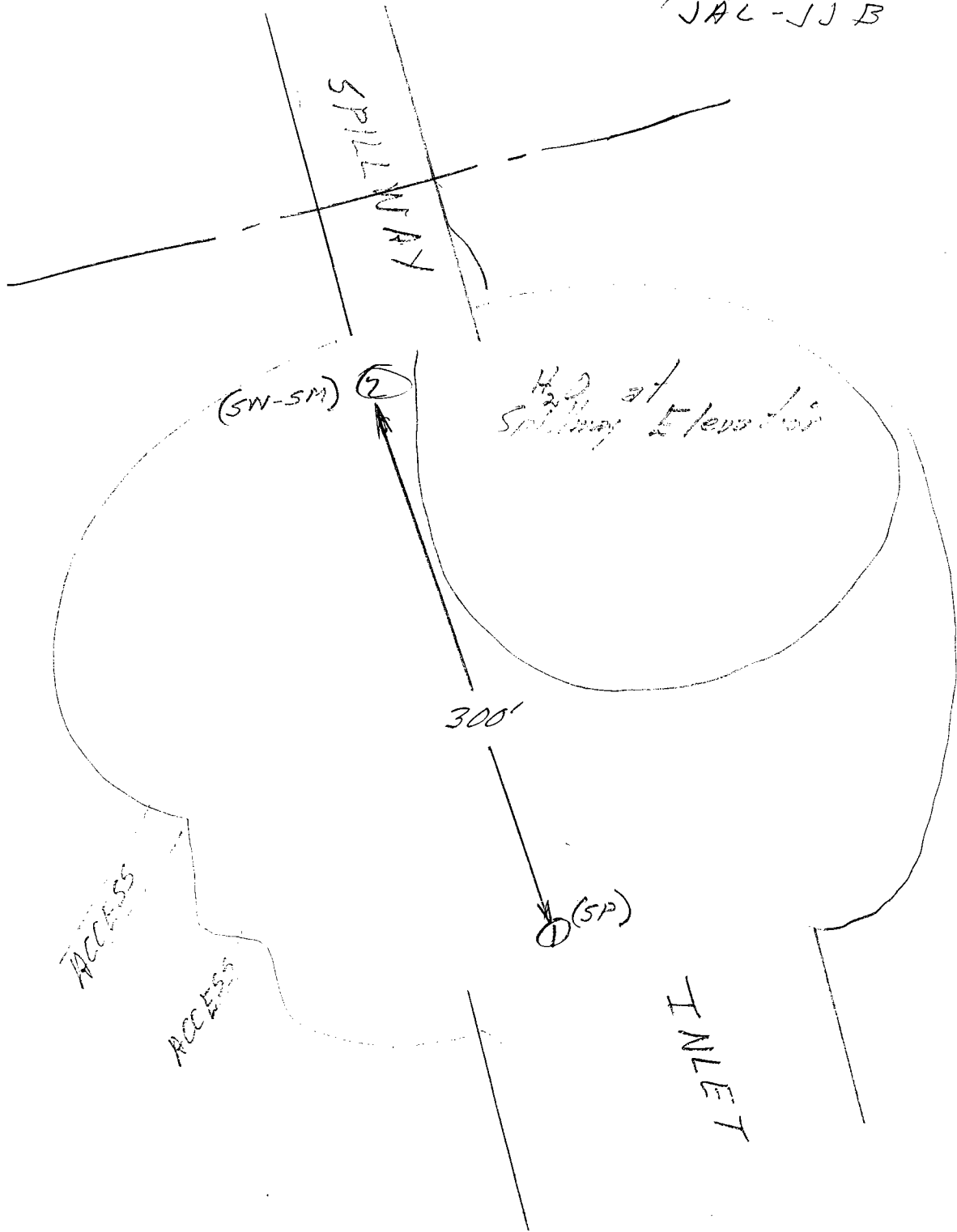


Wildwood Canyon Debris Basin

2/28/69
JAL-JJB



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SP 63

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22971
Project WILDWOOD
Station _____
Location _____
Boring No. _____ Sample No. 1
Sampled By _____ Lab Tested By NR

Total Weight of Sample 1.77 lbs.
grams.
Moisture Content of Fines _____ %
Date Tested 3/17/69 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						
1½"	38.1						
(1")	(25.4)						
¾"	19.1						
⅜"	9.52	0.02		1.2	1.2		
No. 4	4.76	0.12	.14	7.3	8.5	91.5	
Pan	0	1.63		xxxxx			
Total Fractions		1.77		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.51		91.5			
Total Oven-Dry		1.65		100.00			

Moisture Determination of Fines:
Cup No. 58
Dry Weight 166.8 grams
Moisture 7.8 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 92.8 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	14.4	14.2	22.7		
16	1.19	19.5	19.2	41.9		
30	0.59	19.1	18.8	60.7		
50	.297	17.3	17.1	77.8		
100	.149	12.2	12.0	89.8		
200	.074	4.9	4.8	95.1	4.9	
Pan	0	0.3				
Total Fractions		87.7				
Total Dry Weight After Wet Sieving		208.0	86.6			
Sieve Loss-Gain		120.2	-1			

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

Note: Cross out sieve numbers not used.

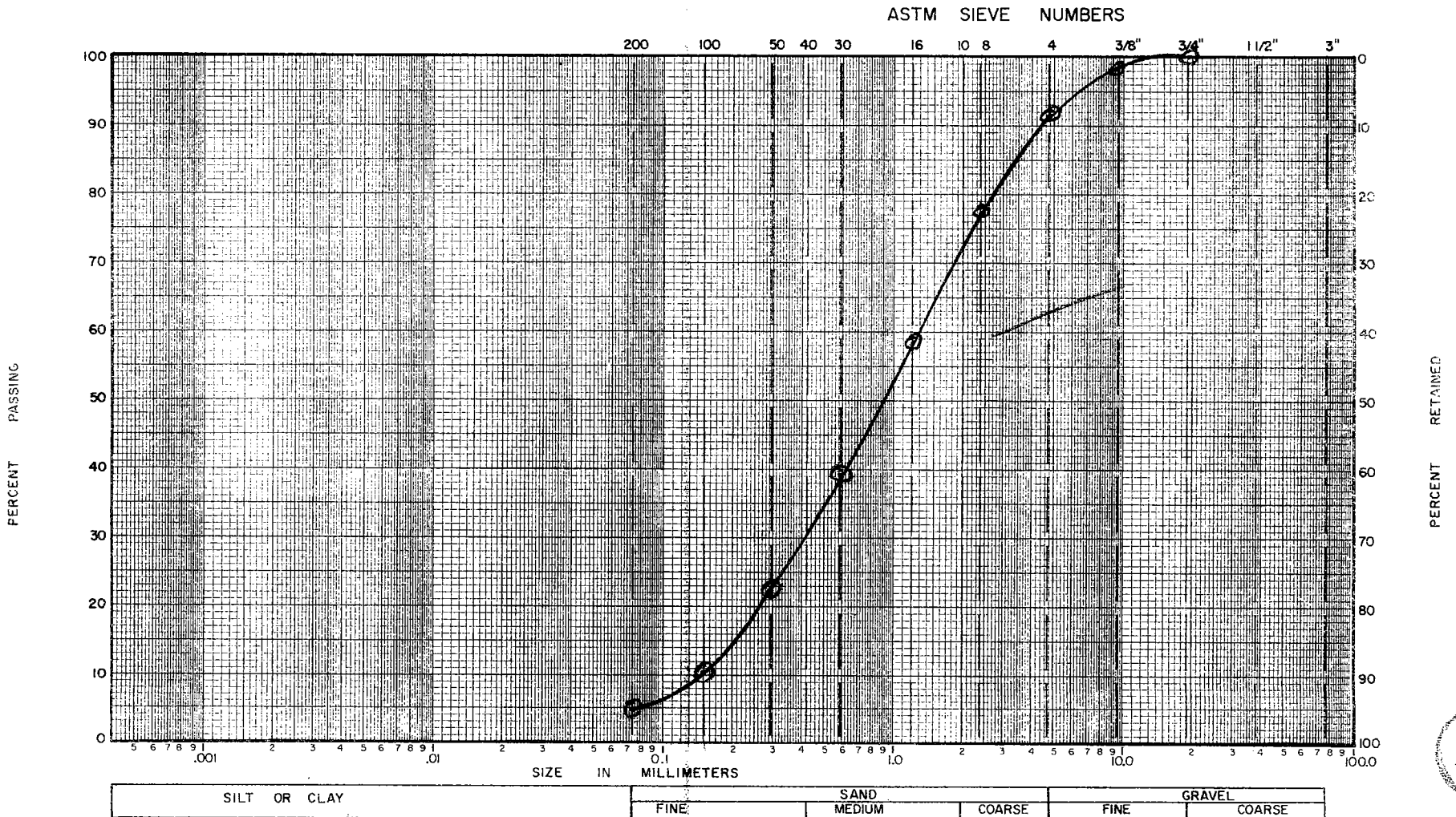
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division
MECHANICAL ANALYSIS

LAB. SERIAL NO. _____
 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 _____ D_{10} 0.15 mm
 D_{30} 0.41 mm D_{60} 1.3 mm
 $C_u = D_{60}/D_{10}$ 8.7 PLOTTED BY NR
 $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ < 1 CHECKED BY RJT
 GROUP SYMBOL _____ DATE 3/10/69
 NOTE: D_x = PARTICLE DIA. AT X% PASSING

1168
1195
8



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SM-SW ✓ (63)

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22972 Total Weight of Sample 2.56 lbs.
 Project Willowood D.B. _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 3/10/69 Plotted By _____
 Boring No. _____ Sample No. 2 Remarks NP
 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	.06		2.6	2.6		
⅜"	9.52	.08		3.5	6.1		
No. 4	4.76	.20	34	8.8	14.9	85.1	
Pan	0	2.22		xxxxx			
Total Fractions		2.56		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.94		85.1			
Total Oven-Dry		2.28		100.00			

Moisture Determination of Fines:
 Cup No. 59
 Dry Weight 161.3 grams
 Moisture 14.5 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 87.4 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 102.7 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	8.0	7.8	22.7		
16	1.19	17.4	17.0	39.7		
30	0.59	21.9	21.3	61.0		
50	.297	14.5	14.1	75.1		
100	.149	12.9	12.6	87.7		
200	.074	6.2	6.0	94.5	5.5	
Pan	0	0.0				
Total Fractions		80.9				
Total Dry Weight After Wet Sieving		201.8	81.6	79.6		
Sieve Loss-Gain		120.2	-.7			

Calculated by NR Date 3/18/69
 Checked by RTT Date 3/20/69

Note: Cross out sieve numbers not used.

81.6

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

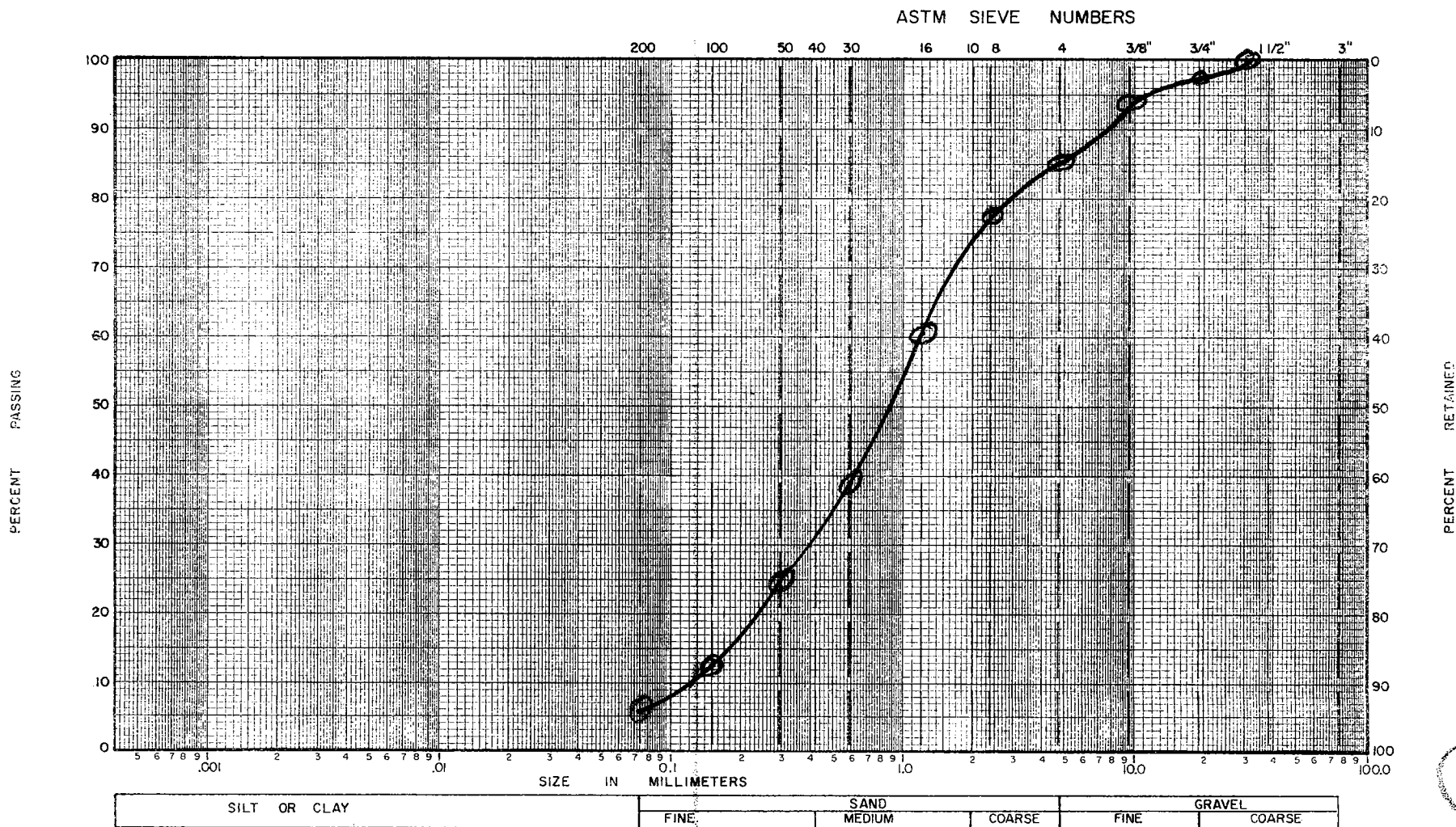
Soils and Materials Engineering Division

MECHANICAL ANALYSIS

LAB. SERIAL NO. 22972
 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 _____ D_{10} 0.12 mm
 D_{30} 0.4 mm D_{60} 1.2 mm
 $C_u = D_{60}/D_{10}$ 10.0 PLOTTED BY JK
 $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ 1.1 CHECKED BY RJT
 GROUP SYMBOL _____ DATE 3/20/69
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



(3)