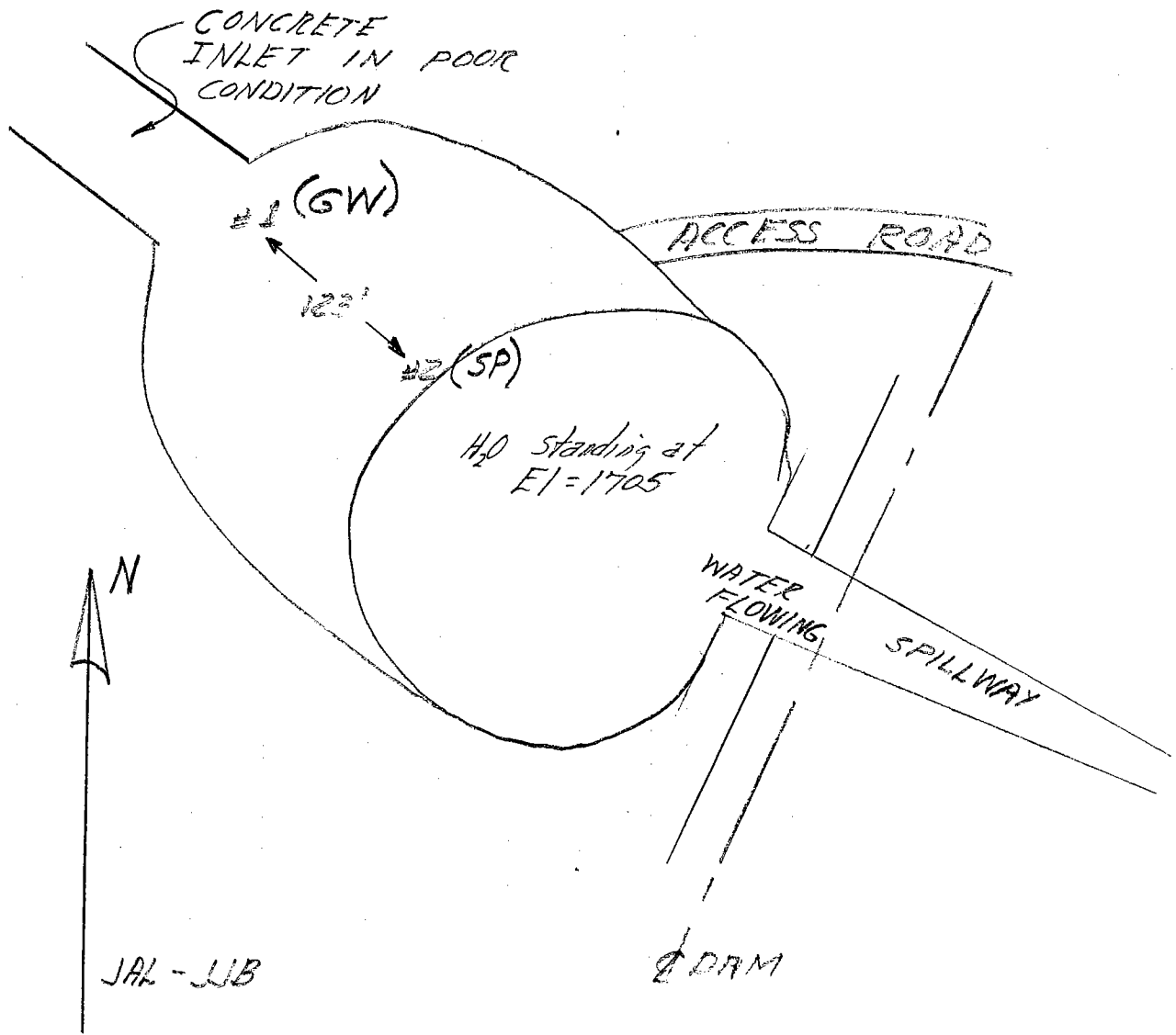


Las Flores Debris Basin

2/25/69
from 2/13/69

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LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

GW ✓
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SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22821
Project LAS FLORES CNY D.B
Station 15' D S INLET STRUCTURE
Location _____
Boring No. 1 Sample No. _____
Sampled By JIB-JAL Lab Tested By R-FK

Total Weight of Sample 2.83 lbs.
_____ grams.
Moisture Content of Fines _____ %.
Date Tested 2/14/69 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	0.15		5.4	5.4		
⅜"	9.52	0.42		15.2	20.6		
No. 4	4.76	0.86	1.43	31.0	51.6	48.4	
Pan	0	1.40		xxxxx			
Total Fractions		2.83		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.34		48.4			
Total Oven-Dry		2.77		100.00			

Moisture Determination of Fines:

Cup No. 27
Dry Weight 169.9 grams
Moisture 4.3 %

FINES (Minus No. 4)

WEIGHT, GRAMS 300 (CALC.) OVEN-DRY WEIGHT 287.6 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 594.2 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	57.05	9.6	61.2		
16	1.19	61.15	10.3	71.5		
30	0.59	58.90	9.9	81.4		
50	.297	50.30	8.5	89.9		
100	.149	29.50	5.0	94.9		
200	.074	7.55	1.3	96.1	3.9	
Pan	0	0.05	.008			
Total Fractions		264.50				
Total Dry Weight After Wet Sieving		386.10	264.60	44.5		
Sieve Loss-Gain		121.50	-.10			

386.10
50

Calculated by AR Date 2/20/69

Checked by SHE Date 2/20/69

Note: Cross out sieve numbers not used.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

MECHANICAL ANALYSIS

LAB. SERIAL NO. 22821

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} 0.30 mm

D_{30} 1.4 mm D_{60} _____ mm

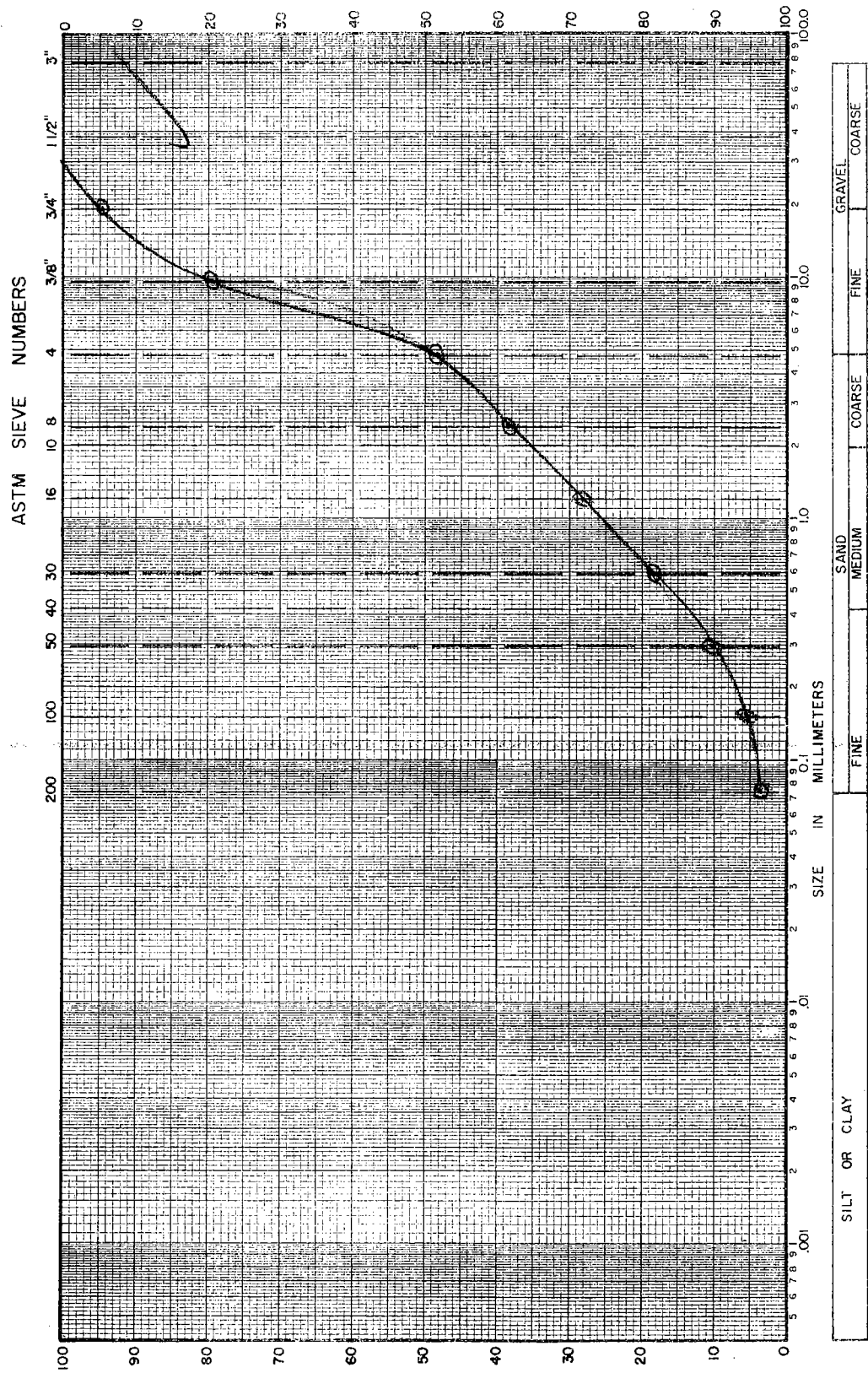
$C_u = D_{60}/D_{10}$ 2.3 PLOTTED BY NR

$C_c = (D_{30})^2$ 1.96 CHECKED BY RJ

$D_{10} \times D_{60}$ 1.02 DATE 2/24/69

GROUP SYMBOL _____

NOTE: D_x = PARTICLE DIA. AT X% PASSING



(22)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

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SP

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22822

Total Weight of Sample 246 lbs.

Project LAS FLORES CYN DB

grams.

Station _____

Moisture Content of Fines _____ %.

Location 123' DS INLET STRUCTURE

Date Tested 2/14/69 Plotted By _____

Boring No. 2 Sample No. _____

Remarks NP

Sampled By VJB-JAL Lab Tested By R-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	0.19		8.9	8.9		
No. 4	4.76	0.27	46	12.7	21.6	78.4	
Pan	0	2.00		xxxxx			
Total Fractions		2.46		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.67		78.4			
Total Oven-Dry		2.13		100.00			

Moisture Determination of Fines:
Cup No. 29
Dry Weight 157.3 grams
Moisture 20.0 %

FINES (Minus No. 4)

WEIGHT, GRAMS 300 (CALC.) OVEN-DRY WEIGHT 250.0 grams.

WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 318.9 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	26.45	8.3	29.9		
16	1.19	48.85	15.3	45.2		
30	0.59	55.00	17.2	62.4		
50	.297	52.55	16.5	78.9		
100	.149	43.60	13.7	92.6	2.4	
200	.074	14.80	4.6	97.6	2.4	
Pan	0	0.45	0.14	97.2	2.8	
Total Fractions		241.70				
Total Dry Weight After Wet Sieving		364.0	242.50	76.0		
Sieve Loss-Gain		121.5	0.80			

Calculated by NR Date 2/19/69
Checked by SHF Date 2/20/69

Note: Cross out sieve numbers not used.

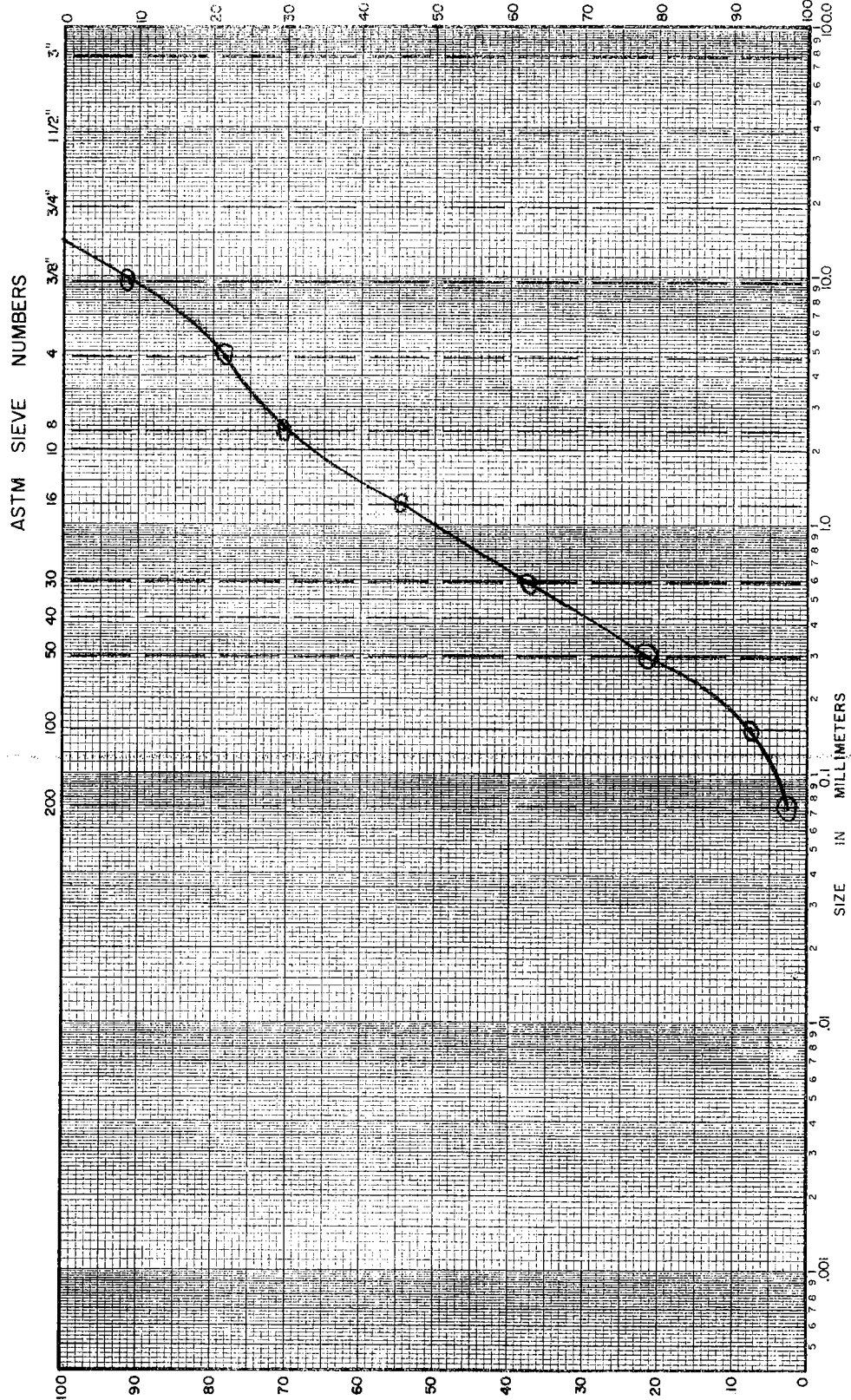
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division
MECHANICAL ANALYSIS

LAB. SERIAL NO. 22822
 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 1.8 mm
 D₃₀ 43 mm D₆₀ 1.5 mm
 C_u = D₆₀/D₁₀ 8.3 PLOTTED BY NR
 C_c = (D₃₀)² / (D₁₀ x D₆₀) 1.69 CHECKED BY SM
 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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