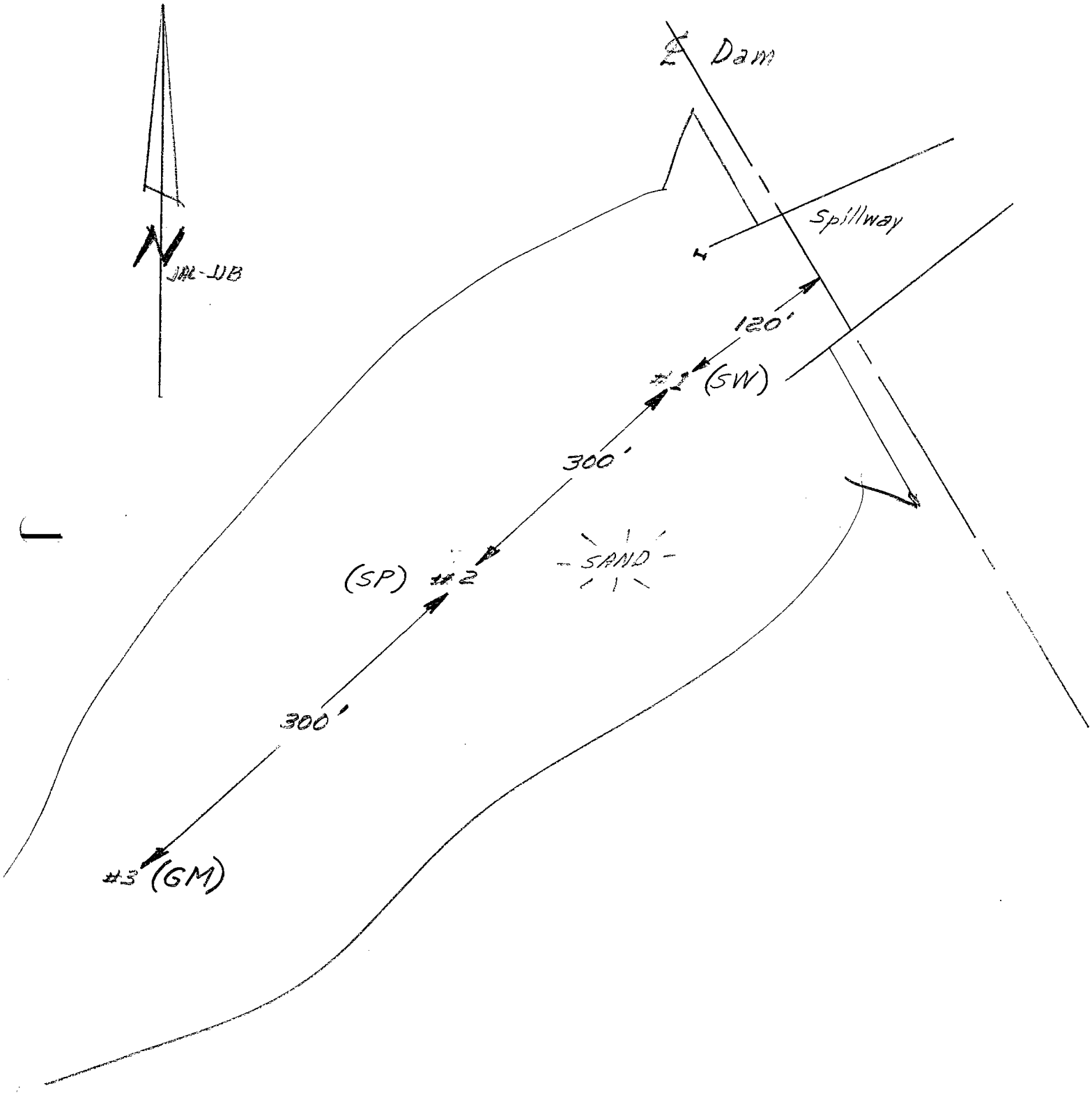
Deer Canyon Debris Basin 3/3/69

(12)



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SW

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22546 — Total Weight of Sample _____ lbs.
Project DEER CYN DB — _____ grams.
Station _____ — Moisture Content of Fines _____ %.
Location _____ — Date Tested 2/17/67 Plotted By _____
Boring No. 1 Sample No. P — Remarks NP
Sampled By _____ Lab Tested By P — Intended Use _____

GRAVEL (Plus No. 4)

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED LBS.	RETAINED GRAMS	% OF TOTAL OVEN-DRY RETAINED	ACCUM. % RETAINED	ACCUM. % PASSING ACTUAL	ACCUM. % PASSING SPEC. REQ.
3"	76.2	1					
1½"	38.1	0.19		7.5	7.5		
(1")	(25.4)	—		—	7.5		
3/4"	19.1	0.07		2.8	10.3		
3/8"	9.52	0.11		4.3	14.6		
No. 4	4.76	0.34	.71	13.4	28.0	72.0	
Pan	0	1.91		xxxxx			
Total Fractions		2.62		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.83		72.0			
Total Oven-Dry		2.54		100.00			

Moisture Determination of Fines:
Cup No. 38
Dry Weight 169.7 grams
Moisture 4.5 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 — (CALC.) OVEN-DRY WEIGHT 95.7 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 132.9 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING ACTUAL	ACCUM. % PASSING SPEC. REQ.
8	2.38	14.95	11.2	39.2		
16	1.19	27.60	20.8	60.0		
30	0.59	24.15	18.2	78.2		
50	.297	13.65	10.3	88.5		
100	.149	8.05	6.1	94.6		
200	.074	2.60	2.0	96.7	3.3	
Pan	0	0.00	—			
Total Fractions		91.00				
Total Dry Weight After Wet Sieving 212.75		91.25	68.7			
Sieve Loss-Gain (21.50)		-.25				

212.75
-150

Calculated by R Date 2/18/69
Checked by RJT Date 2/19

Note: Cross out sieve numbers not used.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

MECHANICAL ANALYSIS

LAB. SERIAL NO. 22846

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 96.7 PERCENT (+) NO. 4 28.0

%(+)NO.4/%(+)NO. 200 < 50 D_{10} 0.26 mm

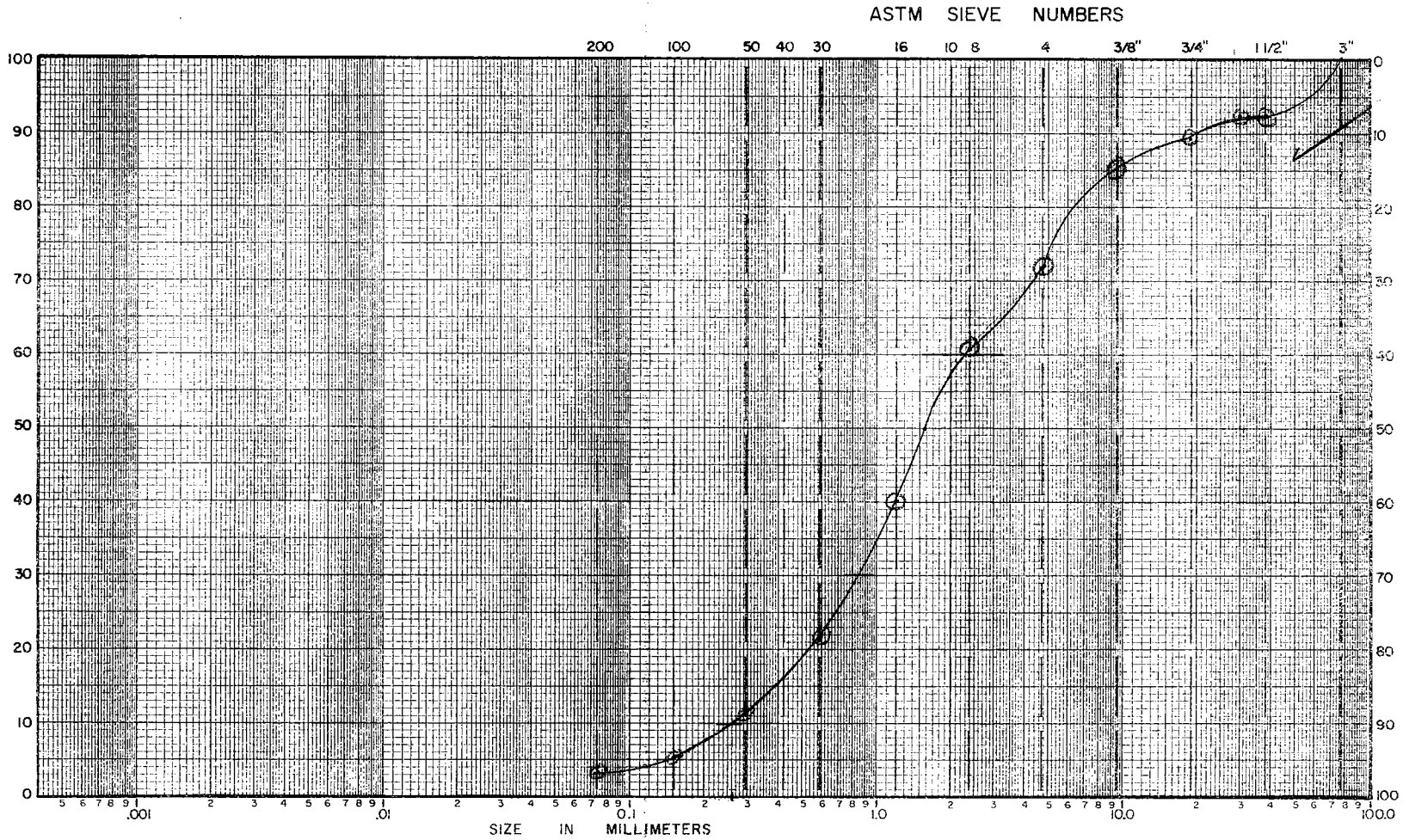
D_{30} 0.85 mm D_{60} 2.3 mm

$Cu = D_{60}/D_{10}$ 8.85 PLOTTED BY NR

$Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ 1.21 CHECKED BY EJT

GROUP SYMBOL DATE 2/24/09

NOTE: D_X = PARTICLE DIA. AT X% PASSING



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(12)

SP

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22847
Project DEER CYN DB
Station
Location
Boring No. 2 Sample No.
Sampled By Lab Tested By AR

Total Weight of Sample ____ lbs.
____ grams.
Moisture Content of Fines ____ %.
Date Tested 2/17/69 Plotted By
Remarks NON PLASTIC
Intended Use

GRAVEL (Plus No. 4)

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED LBS.	RETAINED GRAMS	% OF TOTAL OVEN-DRY RETAINED	ACCUM. % RETAINED	ACCUM. % PASSING ACTUAL	ACCUM. % PASSING SPEC. REQ.
3"	76.2						
1½"	38.1						
(1")	(25.4)						
3/4"	19.1						
3/8"	9.52	0.01		0.8	0.8		
No. 4	4.76	0.04	05	3.3	4.1	95.9	
Pan	0	1.19		xxxxx			
Total Fractions		1.24		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.16		95.9			
Total Oven-Dry		1.21		100.00			

Moisture Determination of Fines:
Cup No. 60
Dry Weight 171.2 grams
Moisture 2.9 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 97.2 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	ACCUM. % PASSING SPEC. REQ.
8	2.38	6.65	6.6	10.7		
16	1.19	21.15	20.9	31.6		
30	0.59	27.55	27.2	58.8		
50	.297	23.50	23.2	82.0		
100	.149	12.65	12.5	94.5		
200	.074	3.65	3.6	98.2	1.8	
Pan	0	0.00	—			
Total Fractions		95.15				
Total Dry Weight After Wet Sieving 216.90		95.40	94.1			
Sieve Loss-Gain 121.50		-.25				

216.90
-50

Calculated by AR Date 2/17/69
Checked by RJT Date 2/19/69

Note: Cross out sieve numbers not used.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

MECHANICAL ANALYSIS

LAB. SERIAL NO. 2284

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 < 50 D_{10} 0.20 mm

D_{30} _____ mm D_{60} .99 mm

$Cu = D_{60}/D_{10}$ 5.0 PLOTTED BY _____

$Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ _____ CHECKED BY RJT

GROUP SYMBOL _____ DATE 2/19/62

NOTE: D_X = PARTICLE DIA. AT X% PASSING