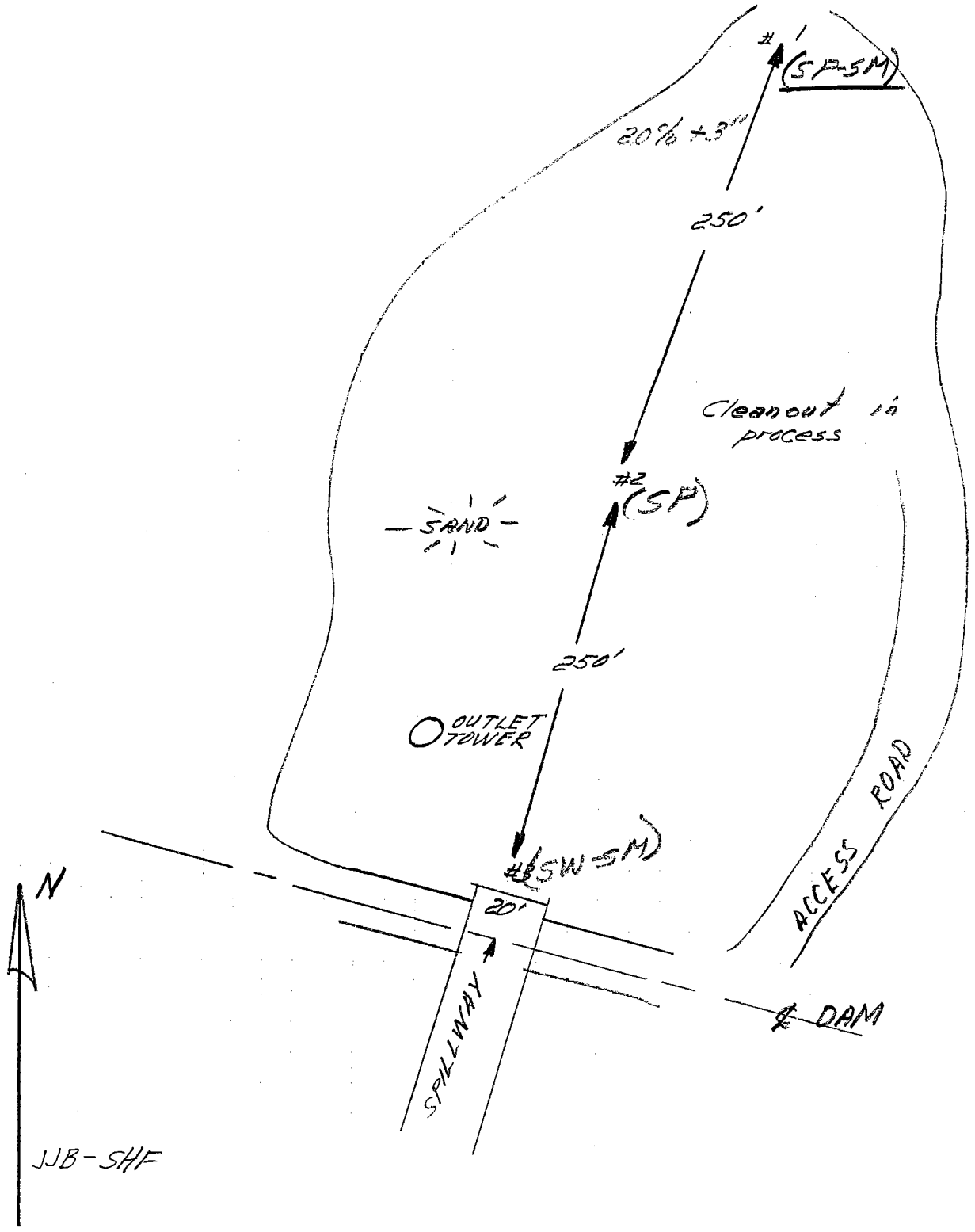
BRADBURY DEBRIS BASIN 2/25/69 (8)
Read 2/17/69



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SM-SP

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. Z 2857 | Total Weight of Sample 1.36 lbs.
Project BRADBURY | grams.
Station | Moisture Content of Fines %.
Location | Date Tested 2/26 Plotted By FK
Boring No. | Sample No. 1 | Remarks NP
Sampled By | Lab Tested By AR | 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	0.07		5.4	5.4		
3/8"	9.52	0.20		15.4	20.8		
No. 4	4.76	0.28	551	21.5	42.3	57.7	
Pan	0	0.61		xxxxx			
Total Fractions		1.36		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		.75		57.7			
Total Oven-Dry		1.30		100.00			

Moisture Determination of Fines:
Cup No. 19
Dry Weight 166.2 grams
Moisture 8.5 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 92.2 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 159.8 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	16.6	10.4	52.7		
16	1.19	26.7	16.7	69.4		
30	0.59	20.9	13.1	82.5		
50	.297	11.1	6.9	89.4		
100	.149	4.8	3.0	92.4		
200	.074	1.2	0.8	93.2	6.8	
Pan	0	—				
Total Fractions		81.3				
Total Dry Weight After Wet Sieving 7015		81.3	50.9			
Sieve Loss-Gain 19012						

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. _____

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} 0.27 mm

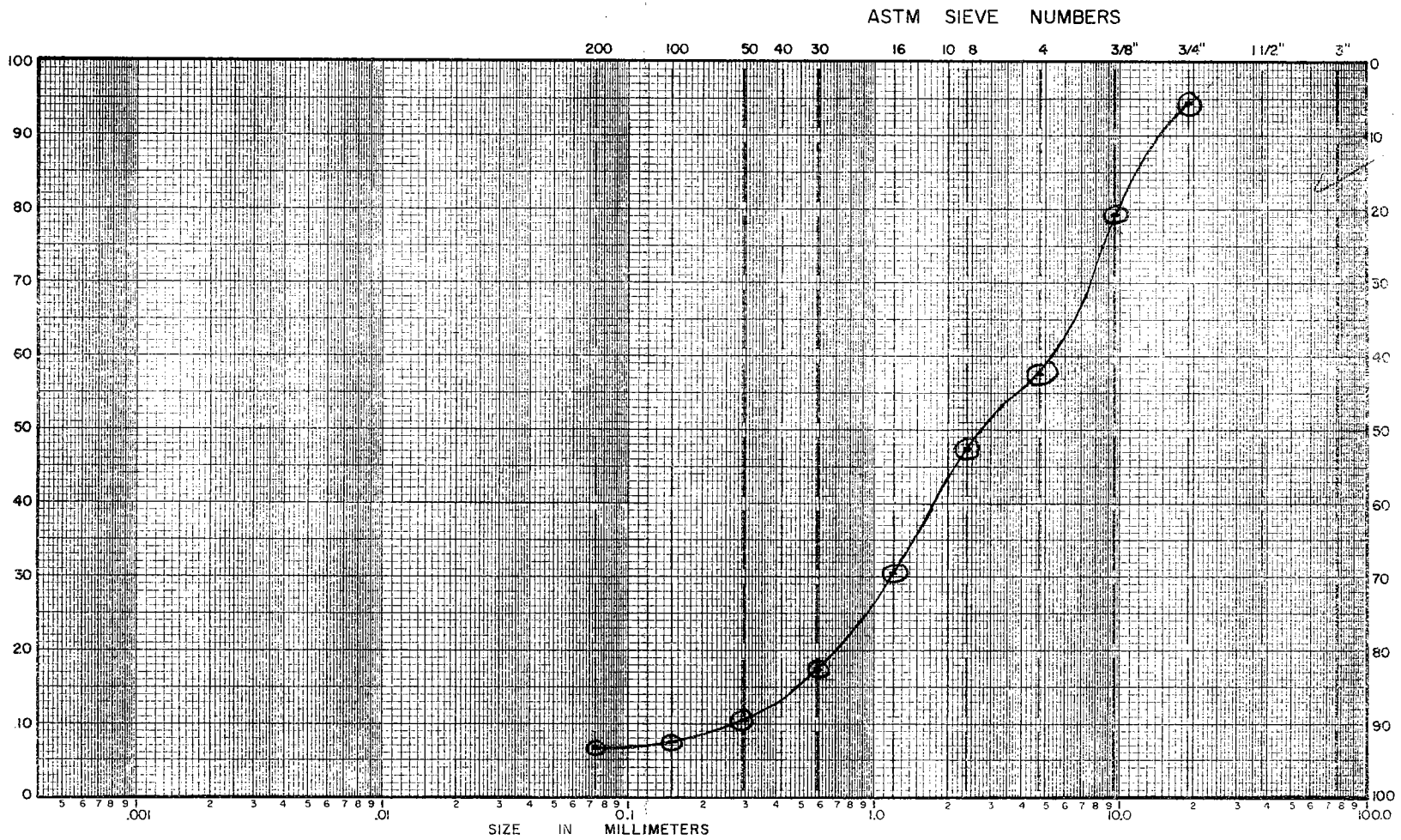
D_{30} 1.02 mm D_{60} 1.53 mm

$Cu = D_{60}/D_{10}$ 5.7 PLOTTED BY EK

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

GROUP SYMBOL _____ DATE 2/28/69

NOTE: D_X = PARTICLE DIA. AT X % PASSING



8

S.P (8)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22858 — Total Weight of Sample 1.29 lbs.
Project BRADBURY — grams.
Station — Moisture Content of Fines %.
Location — Date Tested 2/26 Plotted By FK
Boring No. — Sample No. 2 — Remarks NP
Sampled By — Lab Tested By MR — 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	0.21		17.1	17.1		
3/8"	9.52	0.16		13.0	30.1		
No. 4	4.76	0.18	55	14.6	44.7	55.3	
Pan	0	0.74		xxxxx			
Total Fractions		1.29		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		.68		55.3			
Total Oven-Dry		1.23		100.00			

Moisture Determination of Fines:
Cup No. 52
Dry Weight 165.5 grams
Moisture 9.3 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 91.5 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 165.5 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	10.6	6.4	51.1		
16	1.19	25.8	15.6	66.7		
30	0.59	22.7	13.7	80.4		
50	.297	16.9	10.2	90.6		
100	.149	9.1	5.5	96.1		
200	.074	3.5	2.1	98.5	1.5	
Pan	0	0.6	—			
Total Fractions		89.2				
Total Dry Weight After Wet Sieving 209.3		89.1	53.8			
Sieve Loss-Gain 120.2		+.1				

2(13
120.2

Calculated by MR 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. _____

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} 0.3 mm

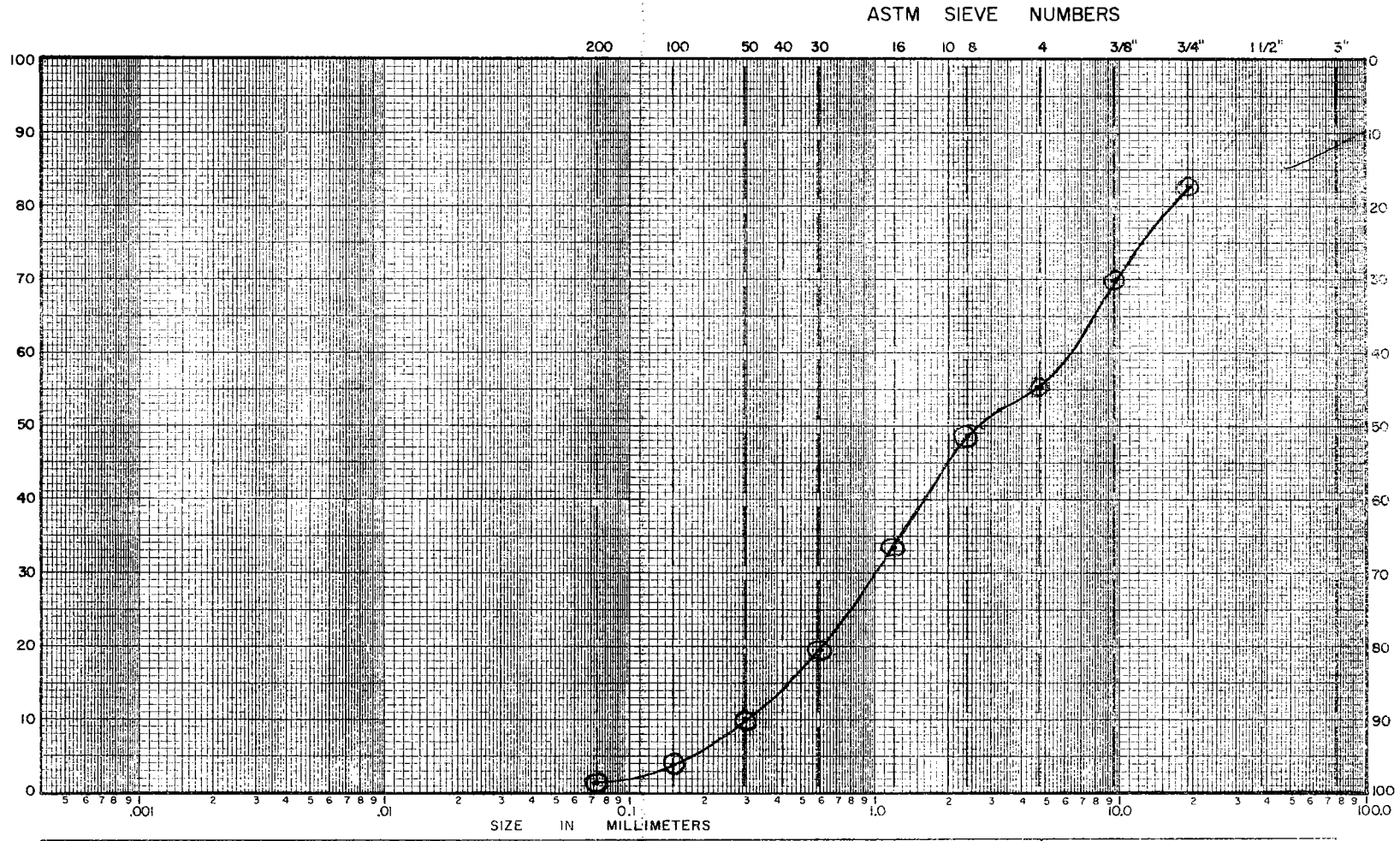
D_{30} 1.0 mm D_{60} 1.62 mm

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

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

GROUP SYMBOL _____ DATE 2/28/69

NOTE: D_X = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

(8)

SM-SW

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22859 — Total Weight of Sample 2.10 lbs.
Project BRADBURY — grams.
Station — Moisture Content of Fines —%.
Location — Date Tested 3/12 Plotted By —
Boring No. — Sample No. 3 — Remarks AP
Sampled By — Lab Tested By AR — 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	24		12.8	12.8		
No. 4	4.76	16	40	8.5	21.3	78.3	
Pan	0	170		xxxxx			
Total Fractions		2.10		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.48		78.7			
Total Oven-Dry		188		100.00			

Moisture Determination of Fines:
Cup No. 66
Dry Weight 161.0 grams
Moisture 14.9 %

FINES (Minus No. 4)

WEIGHT, GRAMS (02) — (CALC.) OVEN-DRY WEIGHT 87.0 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 111.2 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	17.5	15.7	36.0		
16	1.19	24.6	22.1	58.1		
30	0.59	15.9	14.3	72.4		
50	.297	8.8	7.9	80.3		
100	.149	6.8	6.1	86.4		
200	.074	4.6	4.1	92.0	8.0	
Pan	0	0.6				
Total Fractions		78.8				
Total Dry Weight After Wet Sieving 198.8		78.6	70.7			
Sieve Loss-Gain 120.2		+.2				

Calculated by AR Date 3/19/69
Checked by RTT Date 3/20/69

Note: Cross out sieve numbers not used.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

MECHANICAL ANALYSIS

LAB. SERIAL NO. 22859

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} 0.1 mm

D_{30} .7 mm D_{60} 2.1 mm

$Cu = D_{60}/D_{10}$ 21.0 PLOTTED BY

$Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ 2.3 CHECKED BY RJT

.49
.21

GROUP SYMBOL DATE 3/24/64

NOTE: D_X = PARTICLE DIA. AT X% PASSING