

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

SP (13)

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22936 Total Weight of Sample 2.01 lbs.
 Project DUNSMUIR _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 3/10/69 Plotted By _____
 Boring No. 1 Sample No. 1 Remarks NP
 Sampled By _____ Lab Tested By NR-UHE 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)	0.37		19.5	19.5		
¾"	19.1	0.17		8.9	28.4		
⅜"	9.52	0.15		7.9	36.3		
No. 4	4.76	0.22	.91	11.6	47.9	52.1	
Pan	0	1.10	1.10	xxxxx			
Total Fractions		2.01		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		0.99		52.1			
Total Oven-Dry		1.90		100.00			

Moisture Determination of Fines:

Cup No. 16
 Dry Weight 163.7 grams
 Moisture 11.5 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 89.6 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 172.1 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	13.6	7.9	55.8		
16	1.19	23.7	13.8	69.6		
30	0.59	32.3	18.8	88.4		
50	.297	15.3	8.9	97.3		
100	.149	4.0	2.3	99.6		
200	.074	0.5	0.3	99.9	0.1	
Pan	0	0.0				
Total Fractions		89.4				
Total Dry Weight After Wet Sieving		209.7	89.5	52.0		
Sieve Loss-Gain		120.2	-0.1			

Calculated by NR Date 3/11/69

Checked by SHF Date 3/10/69

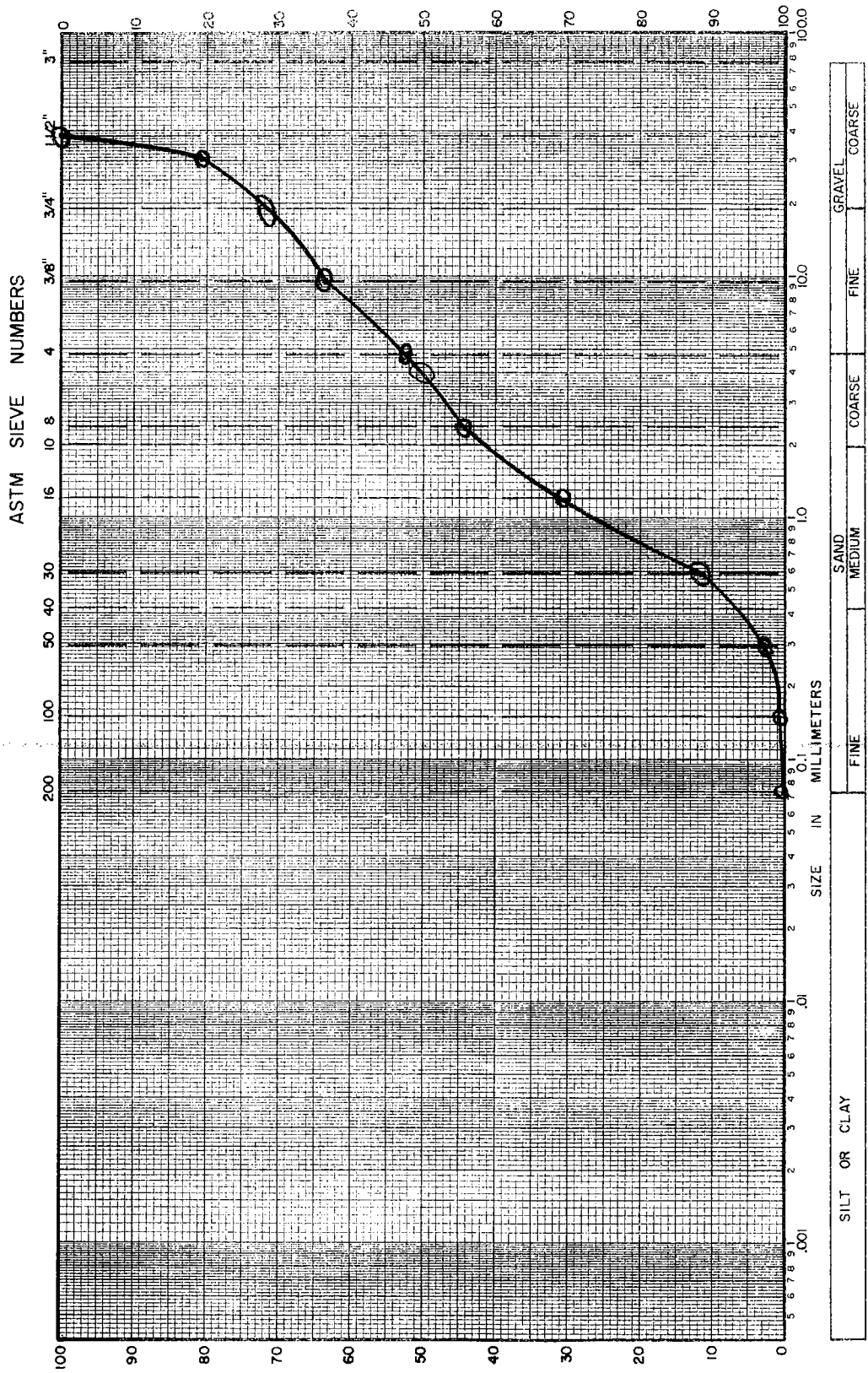
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22736
 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 0.54 7.8 mm 0.54 mm
 D₃₀ 1.15 mm D₆₀ 7.8 mm
 C_u = D₆₀/D₃₀ 14.4 PLOTTED BY AR
 C_c = (D₃₀)² / (D₁₀ x D₆₀) 31 CHECKED BY STF
 GROUP SYMBOL SP DATE 3/18/69
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



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LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

GW (13)

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22937 Total Weight of Sample 2.37 lbs.
 Project DUNSMUR _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 3/10/69 Plotted By _____
 Boring No. 2 Sample No. 1 Remarks ND
 Sampled By _____ Lab Tested By AR-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	—					
1 1/2"	38.1	0.62		26.5	26.5		
(1")	(25.4)	0.55		23.5	50.0		
3/4"	19.1	0.17		7.3	57.3		
3/8"	9.52	0.16		6.8	64.1		
No. 4	4.76	0.11	1.61	4.7	68.8	31.2	
Pan	0	1.76		xxxxx			
Total Fractions		2.37		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		.73		31.2			
Total Oven-Dry		2.34		100.00			

Moisture Determination of Fines:
 Cup No. 47
 Dry Weight 169.4 grams
 Moisture 4.8 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 95.4 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 305.0 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	10.3	3.4	72.2		
16	1.19	17.4	5.7	77.9		
30	0.59	23.9	7.8	85.7		
50	.297	23.4	7.7	93.4		
100	.149	14.4	4.7	98.1		
200	.074	04.1	1.3	99.5	0.5	
Pan	0	0.1				
Total Fractions		93.6				
Total Dry Weight After Wet Sieving		213.7	30.7			
Sieve Loss-Gain		120.2	+ .1			

Calculated by AR Date 3/17/69
 Checked by SHE Date 3/18/69

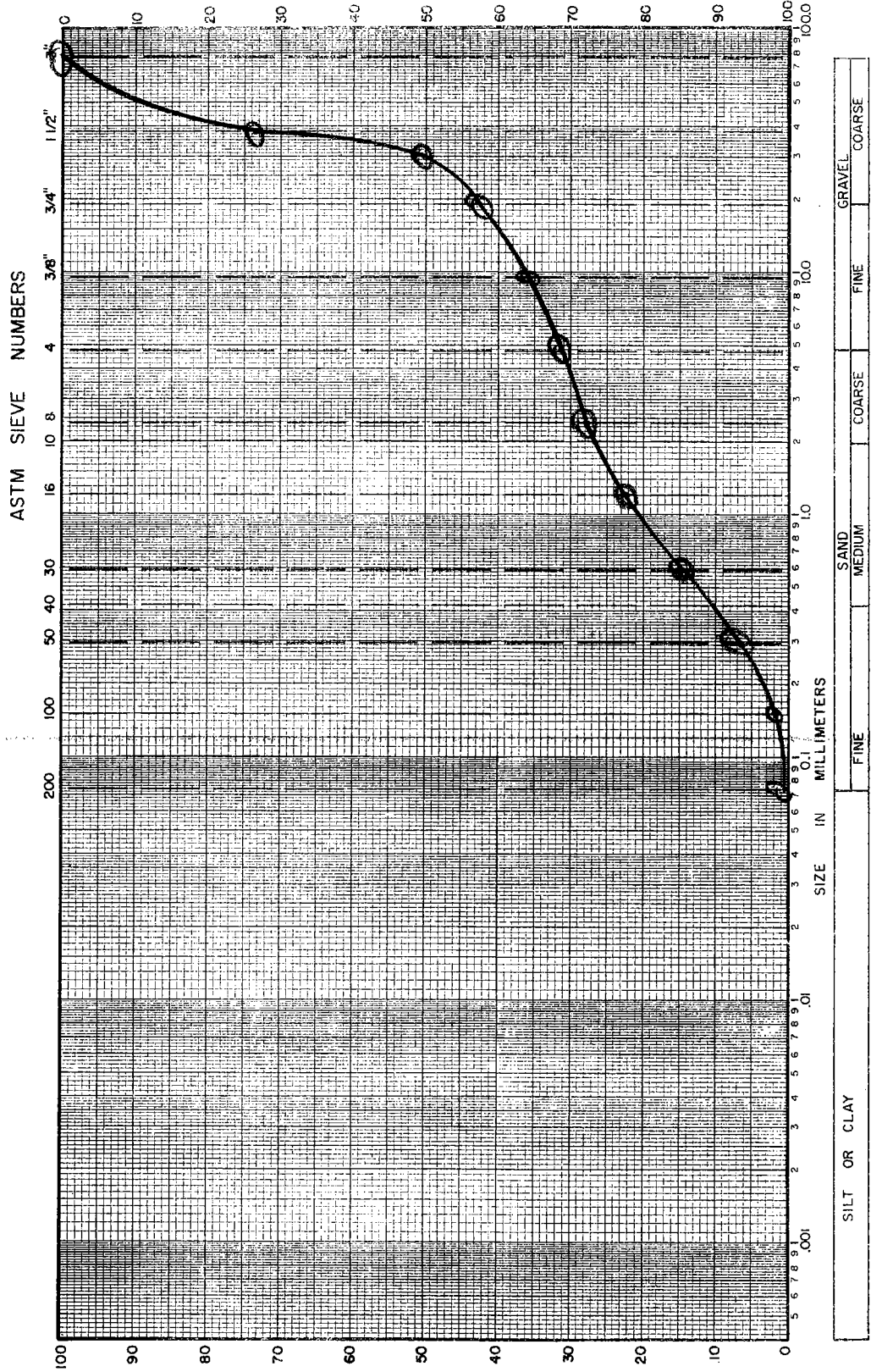
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22937
 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} 0.42 mm
 D_{30} _____ mm D_{60} 3.5 mm
 $C_u = D_{60}/D_{10}$ _____ PLOTTED BY NS
 $C_c = (D_{30})^2 / (D_{10} \times D_{60})$ _____
16.0 _____ CHECKED BY SHE
14.7 _____
 GROUP SYMBOL GW DATE 3/18/69
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



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