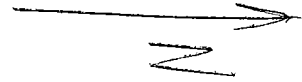
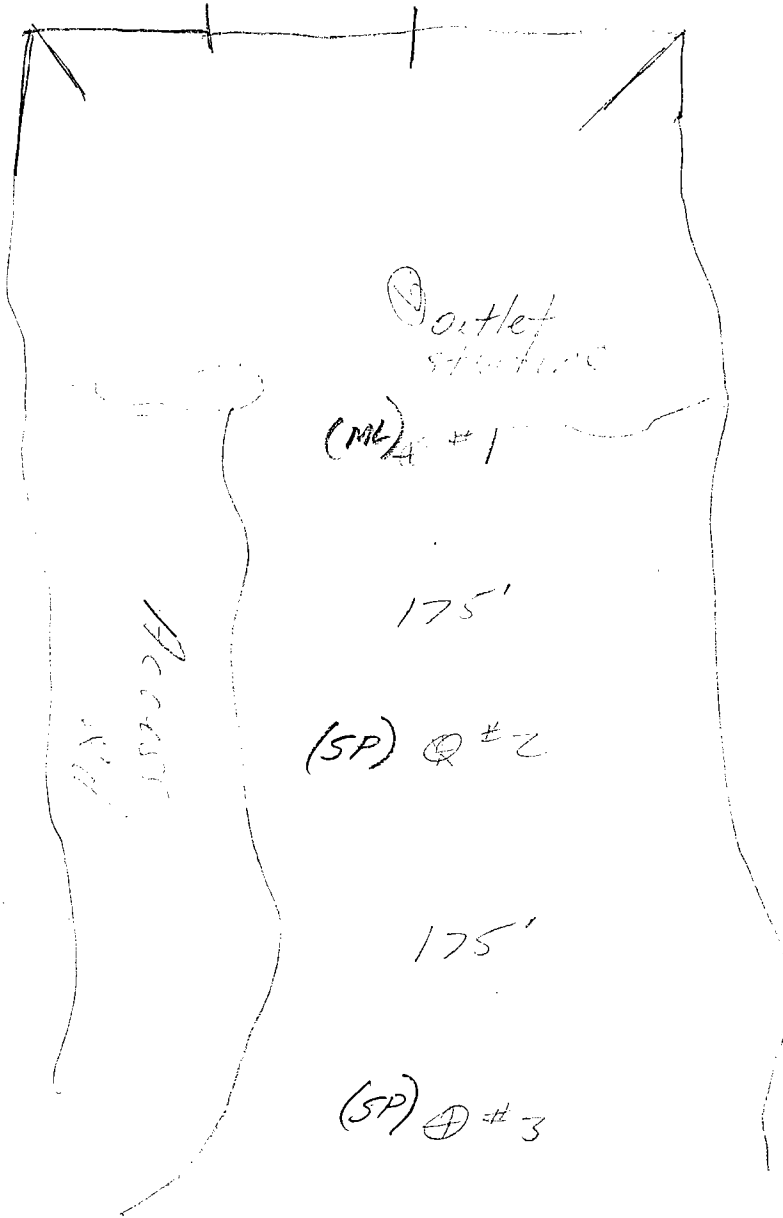


Rowley D.B.

2/28/88

(42)



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

ML 42

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22919 Total Weight of Sample _____ lbs.
 Project ROWLEY _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 3/12 Plotted By _____
 Boring No. 1 Sample No. _____ Remarks AP
 Sampled By _____ Lab Tested By AR 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						
No. 4	4.76				—	—	100.0
Pan	0	150		xxxxx			
Total Fractions				xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		0.83		100.0			
Total Oven-Dry		0.83		100.00			

Moisture Determination of Fines:
 Cup No. 26
 Dry Weight 127.2 grams
 Moisture 88.0 %
 99.1
~~100.0~~
 46.8
~~53.2~~

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 53.2 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 53.2 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	0.0	/	/		
16	1.19	0.0				
30	0.59	0.0				
50	.297	0.0				
100	.149	0.0				
200	.074	0.1			0.2	0.2
Pan	0	0.0				
Total Fractions		0.1				
Total Dry Weight After Wet Sieving		120.3	0.1	0.2		
Sieve Loss-Gain		120.2				

Calculated by AR Date 3/24/69
 Checked by JJB Date 3/25

1.3
120.2

Note: Cross out sieve numbers not used.

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LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Foundation and Testing Division

HYDROMETER ANALYSIS WORK SHEET

ASTM Method D422-54T
(Modified)

LAB. SERIAL NO. 22979
Project _____
Limits _____
Boring _____ Sample _____
Depth _____
Sampled by _____ Date _____
Field Description _____

Initial Weight of Sample Passing
No. 4 Sieve _____ grams

Remarks _____

Set up by NR Date 3/12/69
Lab. Tested by NR Date 3/20/69

Moisture Cup No. 26
Dry Weight, grams 127.2
Moisture Content, % _____
Oven-Dry Weight
Passing No. 4 grams _____
Percent Passing No. 4 _____; No. 10 _____ = P₁₀
Oven-Dry Weight of total
Sample represented, 53.2 grams
W = _____ grams

Type Calgon
Dispersing Volume, cc 125
Agent Strength, % _____
Correction, gm/l = C_d -8.0
Soil Specific Gravity = G 2.65
S. G. Correction factor = a 1.0
Meniscus correction, gm/l = C_m +1.3
Peroxide Treatment Used (Yes) (No) _____
HYDROMETER NO. _____ JAR NO. _____

11:31:30 STR
11:32 START

Time	11:33	11:36	11:48	12:36	3:48	8:32
Temperature, °C	20.0	20.0	19.6	20.6	20.0	19.8
Temp. correc. Factor = C _t	0	0	-0.1	+0.1	+0.1	0
Elapsed Time, Minutes = T	1	4	16	64	256	1260
Hydrometer Reading, gm/l = R	50.5	30.0	19.5	14.0	12.0	10.5
Effective Depth, cm = L	2.83	3.38	3.62	3.74	3.78	3.82
Total Correction C = C _d + C _m + C _t	-6.7	-6.7	-6.8	-6.6	-6.6	-6.7
Corrected Reading R _c = R + C	43.8	23.3	12.7	7.4	5.4	3.8
K	.01365	.01365	.01365	.01348	.01348	.01365
Diameter in mm = D	.0386	.0231	.0124	.00630	.00318	.00147
Percent in Suspension = P	82.5	43.8	23.9	13.9	10.1	7.2
Percent of (-10) = P'						

$$P = \frac{(R_c)(a)(100)}{(W)}$$

$$P' = \frac{(P)(100)}{(P_{10})}$$

$$D = K \sqrt{\frac{L}{T}}$$

Computed by NR Date 3/24/69
Plotted by _____ Date _____

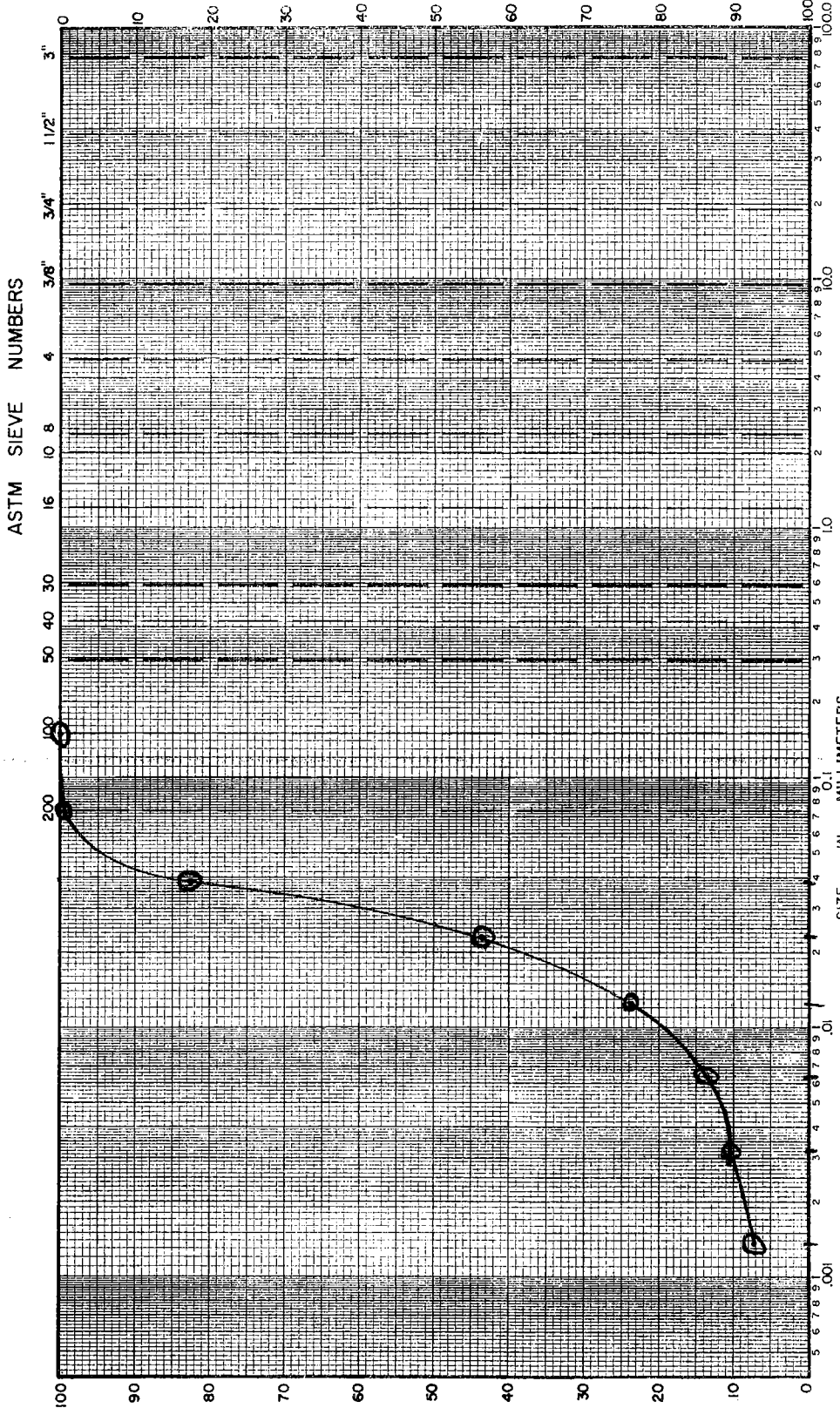
Checked by JJB
Date 3/25/69

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

LAB. SERIAL NO. 22975
 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 _____ mm
 D₃₀ _____ mm D₆₀ _____ mm
 Cu = D_{60}/D_{10} _____ PLOTTED BY RP
 Cc = $\frac{(D_{30})^2}{D_{10} \times D_{60}}$ _____ CHECKED BY _____
 GROUP SYMBOL _____ DATE _____
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	FINE	COARSE	FINE	GRAVEL	COARSE
--------------	------	--------	------	--------	--------

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

SP
(42)

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22980
 Project ROWLEY
 Station _____
 Location _____
 Boring No. 2 Sample No. _____
 Sampled By _____ Lab Tested By NR-JHE

Total Weight of Sample 2.44 lbs.
 _____ grams.
 Moisture Content of Fines _____ %.
 Date Tested 3/10/69 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						
No. 4	4.76	.06		2.9	2.9	97.1	
Pan	0	2.38		xxxxx			
Total Fractions		2.44		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		2.01		97.1			
Total Oven-Dry		2.07		100.00			

Moisture Determination of Fines:
 Cup No. 32
 Dry Weight 158.2 grams
 Moisture 18.8 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 84.2 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 86.8 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	11.1	12.8	15.7		
16	1.19	26.6	30.6	46.3		
30	0.59	25.6	29.5	75.8		
50	.297	11.0	12.7	88.5		
100	.149	6.5	7.5	96.0		
200	.074	2.3	2.7	99.1	0.9	
Pan	0	0.0				
Total Fractions		83.1				
Total Dry Weight After Wet Sieving		203.6	83.4	96.2		
Sieve Loss-Gain		120.2	-0.3			

Calculated by R Date 3/14/69
 Checked by SHE Date 3/17/69

3.6
120.2
83.4

Note: Cross out sieve numbers not used.

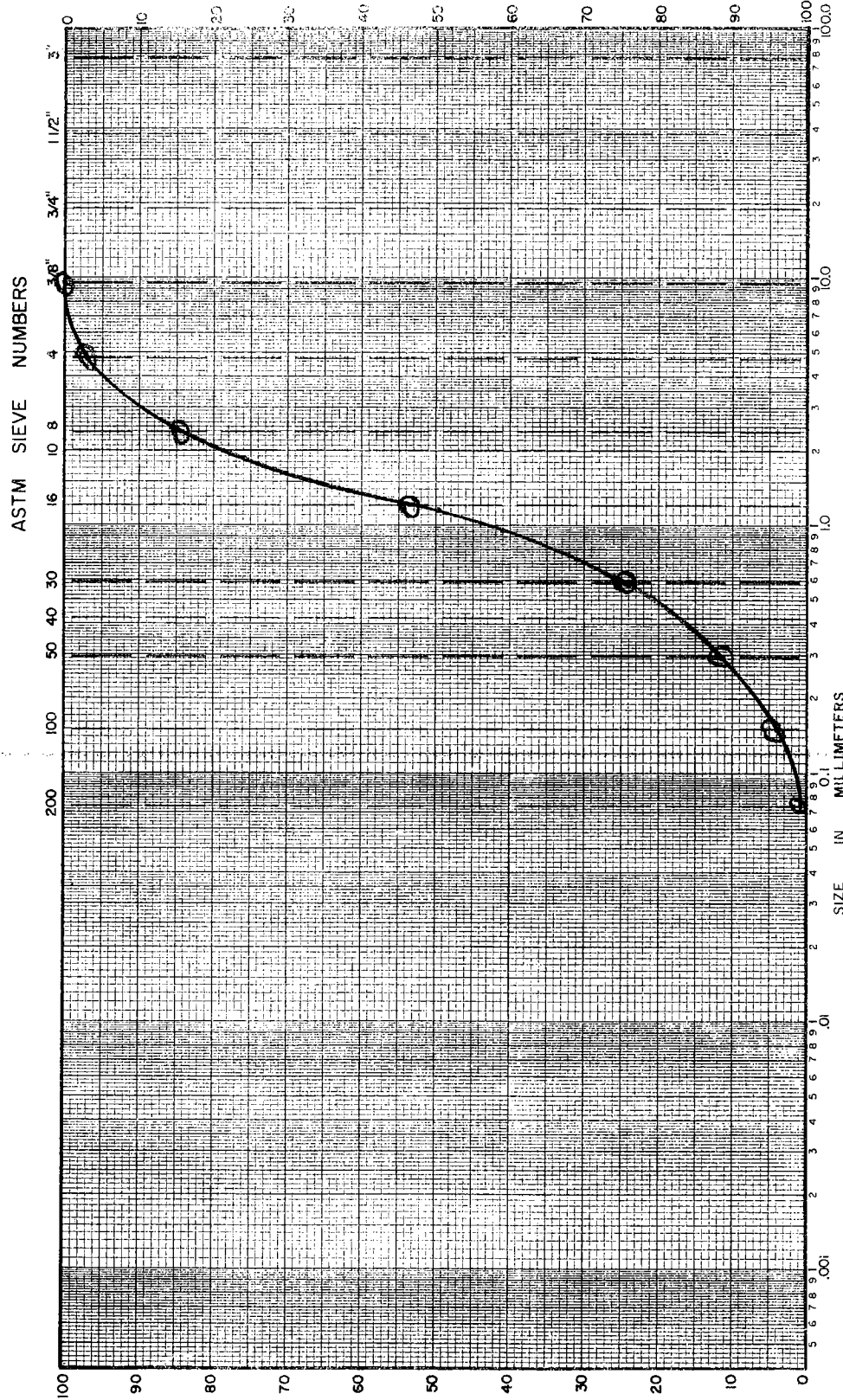
83.4

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

LAB. SERIAL NO. 22980
 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 0.16 mm
 D₃₀ _____ mm D₆₀ 1.3 mm
 C_u = D₆₀/D₁₀ 5 PLOTTED BY SP
 C_c = $\frac{(D_{30})^2}{D_{10} \times D_{60}}$ 1.5 CHECKED BY SHF
 GROUP SYMBOL SP DATE 3/18/69
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	SIZE IN MILLIMETERS	SAND	GRAVEL
	FINE	MEDIUM	COARSE
		COARSE	FINE
			COARSE

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LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SP ✓ (42)

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22981
Project ROWLEY D.B
Station _____
Location _____
Boring No. 3 Sample No. _____
Sampled By _____ Lab Tested By NR-JHE

Total Weight of Sample 2.48 lbs.
grams.
Moisture Content of Fines _____ %
Date Tested 3/10/69 Plotted By _____
Remarks AD
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						
No. 4	4.76	.03		1.5	1.5	98.5	
Pan	0	2.45		xxxxx			
Total Fractions		2.48		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.99		98.5			
Total Oven-Dry		2.02		100.00			

Moisture Determination of Fines:
Cup No. 69
Dry Weight 155.3 grams
Moisture 23.0 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 81.3 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 82.5 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	1.0	1.2	2.7		
16	1.19	9.2	11.2	13.9		
30	0.59	23.6	28.6	42.5		
50	.297	27.0	32.7	75.2		
100	.149	15.8	19.1	94.3		
200	.074	3.9	4.7	99.3	0.7	
Pan	0	0.0				
Total Fractions		80.5				
Total Dry Weight After Wet Sieving		200.9	80.7	97.8		
Sieve Loss-Gain		120.2	-0.2			

Calculated by NR Date 3/17/69
Checked by SHY Date 3/18/69

200.9
120.2
80.7

Note: Cross out sieve numbers not used.

80.7

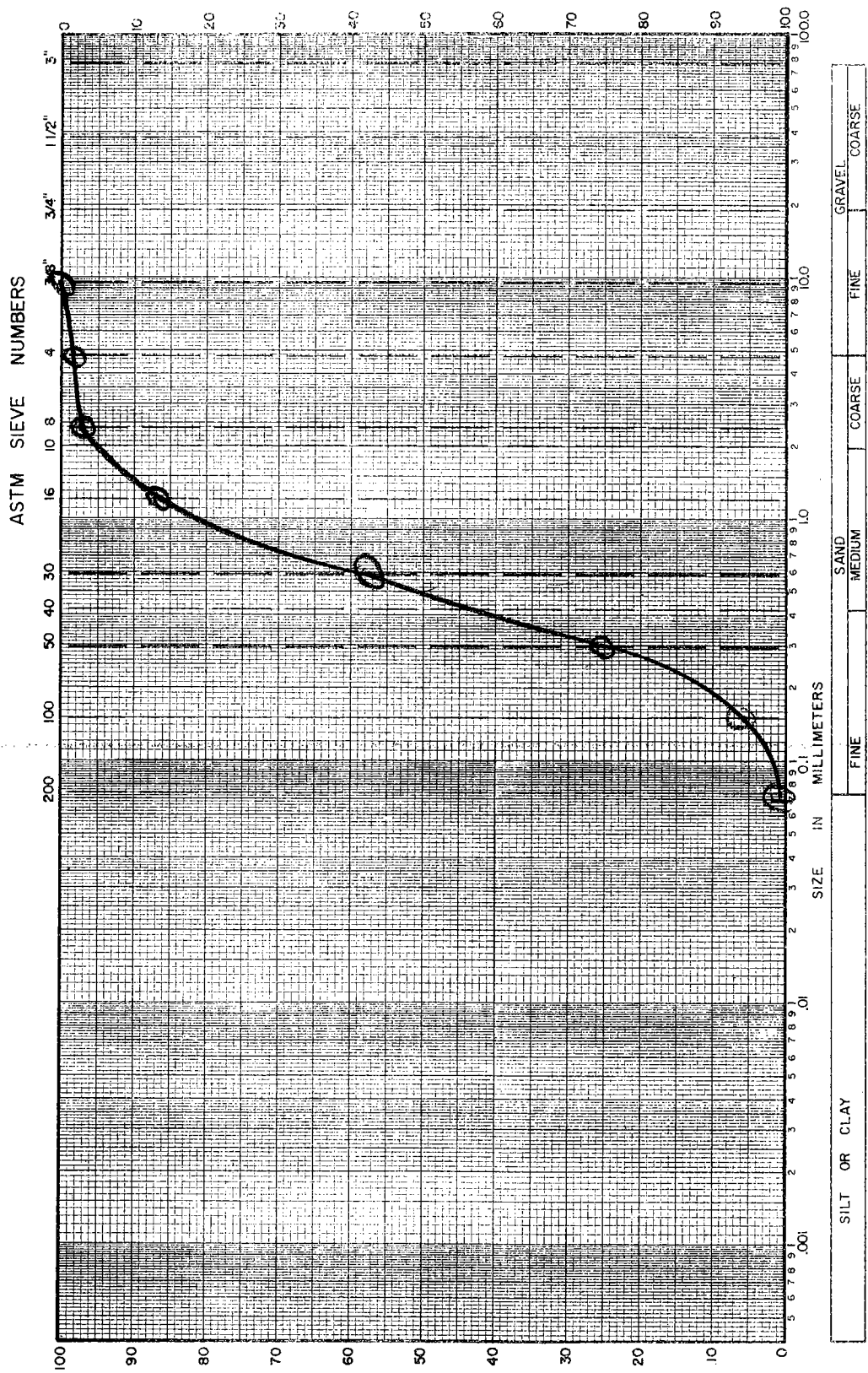
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division
MECHANICAL ANALYSIS

22987

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 _____ D₁₀ 0.19 mm
D₃₀ 1.35 mm D₆₀ 1.60 mm
Cu = D₆₀/D₁₀ 8.2 PLOTTED BY SHF
Cc = (D₃₀)² 1.1 CHECKED BY SHF
D₁₀ x D₆₀ _____
GROUP SYMBOL SP DATE 3/18/62
NOTE: D_x = PARTICLE DIA. AT X% PASSING



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