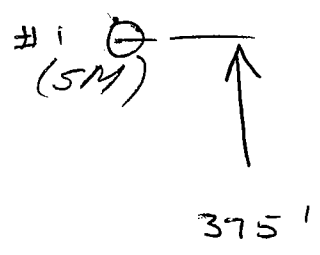


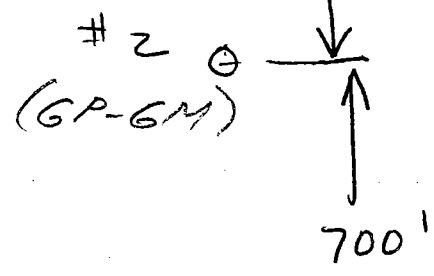
AN

stream flow

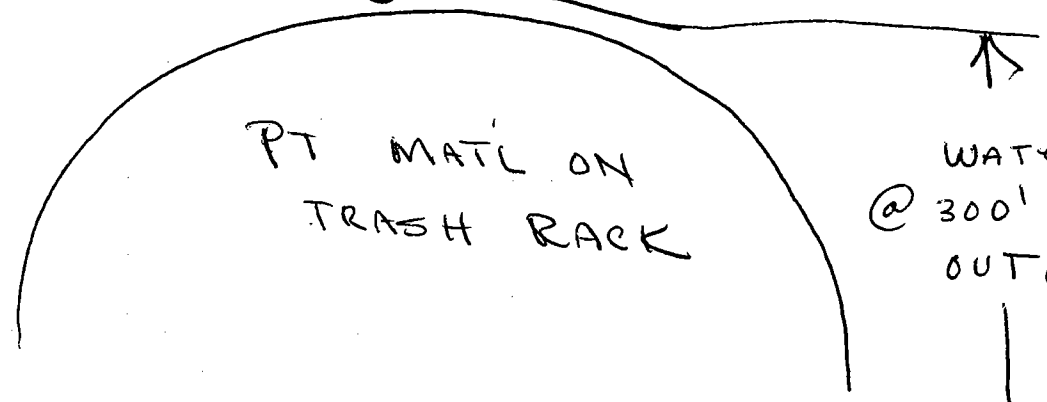
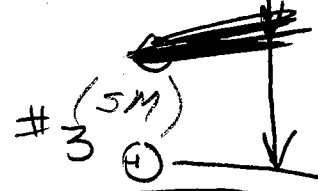
LITTLE DALTON



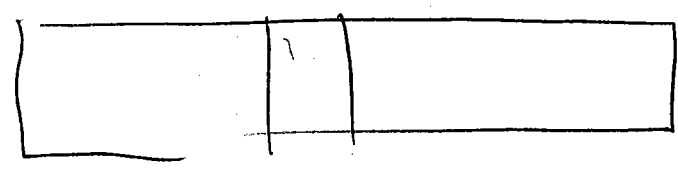
well graded GRAVEL Between #1 & #2



INCREASE in Silty SAND Between #2 & #3



WATER @ 300' from OUTLET



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SM (35)

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22862 Total Weight of Sample 1.32 lbs.
 Project LITTLE DALTON D.13. _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 2-26-69 Plotted By _____
 Boring No. _____ Sample No. FK Remarks _____
 Sampled By _____ Lab Tested By _____ 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	0.05		3.9	3.9		
No. 4	4.76	0.13	.18	10.2	14.1	85.8	
Pan	0	1.14		xxxxx			
Total Fractions		1.32		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.09		85.8			
Total Oven-Dry		1.27		100.00			

Moisture Determination of Fines:
 Cup No. 62
 Dry Weight 169.3 grams
 Moisture 4.9 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 95.3 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 111.1 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	9.5	8.6	22.7		
16	1.19	18.4	16.6	39.3		
30	0.59	26.2	23.6	62.9		
50	.297	15.7	14.1	77.0		
100	.149	5.9	5.3	82.3		
200	.074	0.7	0.6	82.9	17.7	
Pan	0			82.3		
Total Fractions		76.4				
Total Dry Weight After Wet Sieving		196.0 120.2	75.8	68.2		
Sieve Loss-Gain		75.8	-0.6			

Calculated by AR Date 2/27/69
 Checked by SHF Date 2/28/69

120.2
75.8

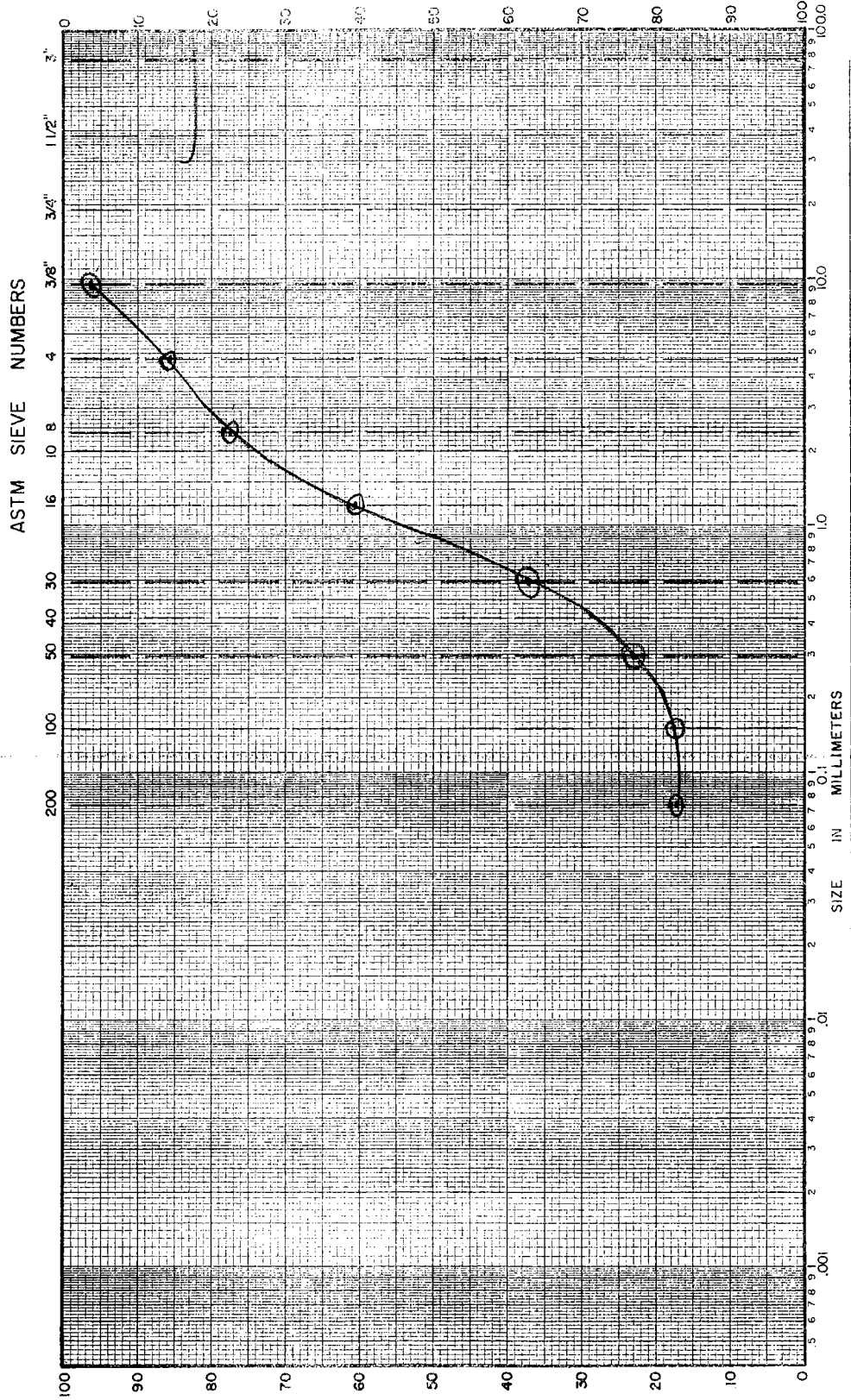
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22863
 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 FK
 Cc = $\frac{(D_{30})^2}{D_{10} \times D_{60}}$ _____ CHECKED BY RJT
 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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LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

GP - GM

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22884
Project LITTLE DALTON D.B.
Station _____
Location _____
Boring No. _____ Sample No. FK
Sampled By _____ Lab Tested By _____

Total Weight of Sample 1.71 lbs.
_____ grams.
Moisture Content of Fines _____ %.
Date Tested 2-26-69 Plotted By FK
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						
1 1/2"	38.1	0.24		15.2	15.2		
(1")	(25.4)	0.15		9.5	24.7		
3/4"	19.1	0.12		7.6	32.3		
3/8"	9.52	0.11		7.0	39.3		
No. 4	4.76	0.14	.76	8.9	48.2	51.9	
Pan	0	0.95		xxxxx			
Total Fractions		1.71		xxxxx			
Sieve Loss-Gain		—					
Calc. Oven-Dry Fines		.82		51.9			
Total Oven-Dry		1.58		100.00			

Moisture Determination of Fines:

Cup No. 38
Dry Weight 160.5 grams
Moisture 15.6 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 86.5 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 166.7 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	11.6	7.0	55.2		
16	1.19	16.8	10.1	65.3		
30	0.59	14.1	8.5	73.8		
50	.297	15.2	9.1	82.9		
100	.149	11.7	7.0	89.9		
200	.074	3.5	2.1	91.9	8.1	
Pan	0	—	—			
Total Fractions		72.9				
Total Dry Weight After Wet Sieving		72.8	43.7			
Sieve Loss-Gain		+0.1				

Calculated by RR Date 2/28/69
Checked by SHF Date 2/28/69

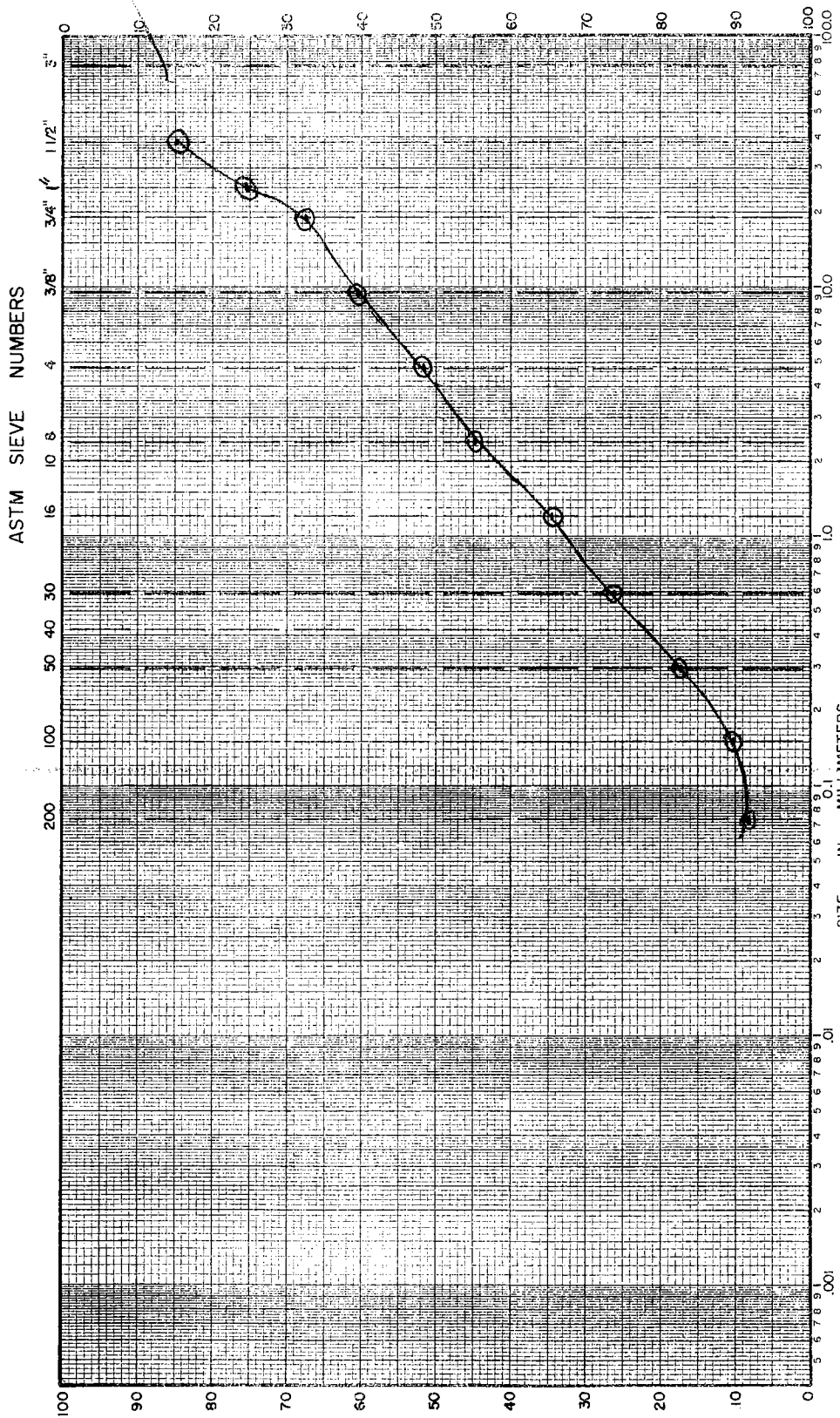
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22864
 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 0.14 mm
 D₃₀ 0.78 mm D₆₀ 2.0 mm
 Cu = D₆₀/D₁₀ 6.43 PLOTTED BY FK
 Cc = (D₃₀)² / (D₁₀ x D₆₀) _____ CHECKED BY LI
 GROUP SYMBOL _____ DATE 2/28/11
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



SILT OR CLAY		SAND			FINE		GRAVEL	
		MEDIUM			COARSE		COARSE	

35

①

35

SM

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22865

Total Weight of Sample 1.36 lbs.

Project LITTLE DALTON D.B.

grams.

Station _____

Moisture Content of Fines _____ %.

Location _____

Date Tested 2-26-69 Plotted By FK

Boring No. _____ Sample No. FK

Remarks NP

Sampled By _____ Lab Tested By _____

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	0.11		8.3	8.3		
No. 4	4.76	0.12	23	9.1	17.4	82.6	
Pan	0	1.13		xxxxx			
Total Fractions		1.36		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.09		82.6			
Total Oven-Dry		1.32		100.00			

Moisture Determination of Fines:

Cup No. 18

Dry Weight 170.6 grams

Moisture 3.5 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100

(CALC.) OVEN-DRY WEIGHT 96.6 grams.

WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY

116.9 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	9.8	8.4	25.8		
16	1.19	13.0	11.1	36.9		
30	0.59	18.2	15.6	52.5		
50	.297	20.9	17.9	70.4		
100	.149	16.6	14.2	84.6		
200	.074	3.5	3.0	87.2	12.8	
Pan	0					
Total Fractions		82.0				
Total Dry Weight After Wet Sieving		81.6	69.8			
Sieve Loss-Gain		+0.4				

201.8
.2

Calculated by R Date 2/27/69

Checked by SHF Date 2/28/69

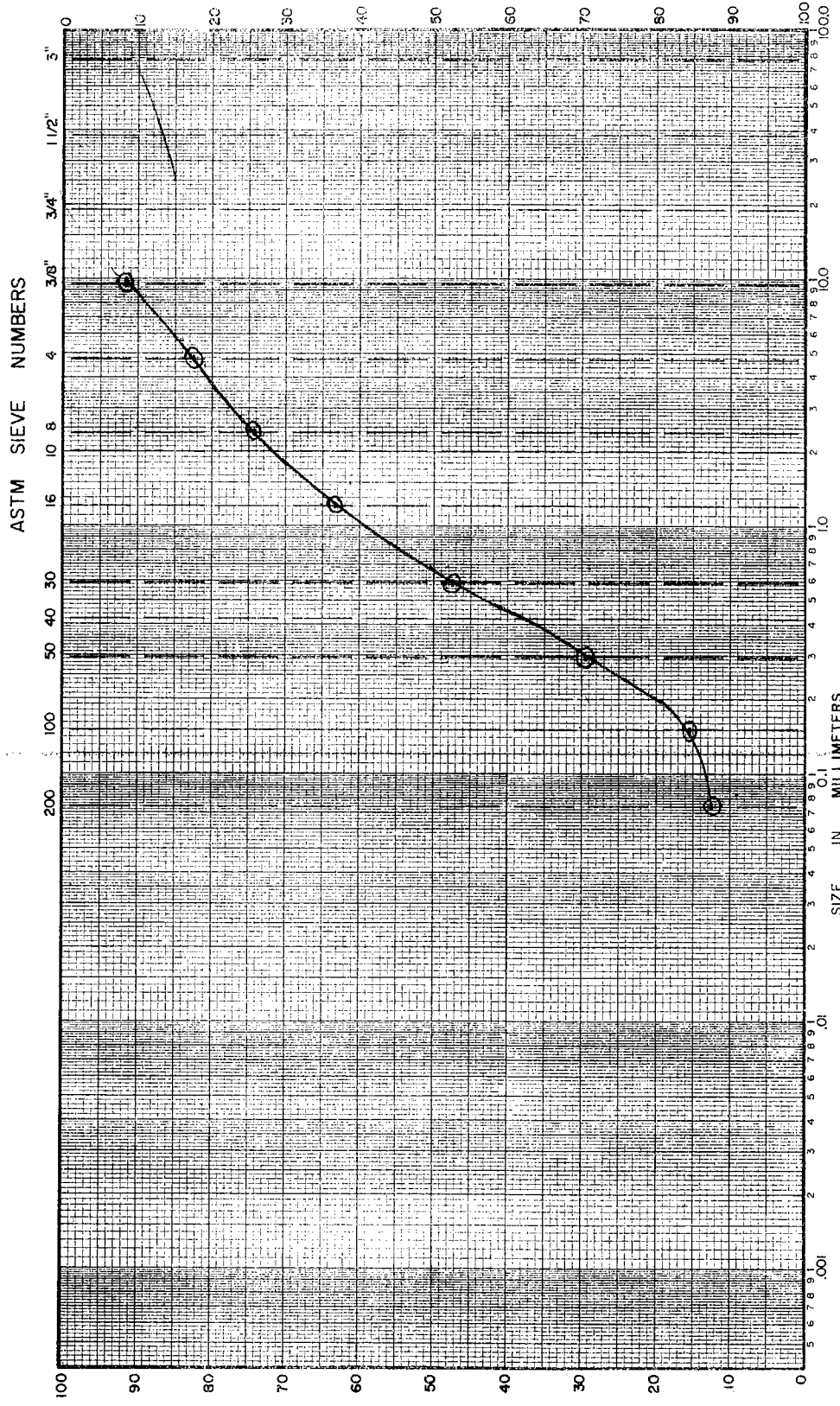
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22865
 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 = D₆₀/D₁₀ _____ PLOTTED BY FK
 Cc = (D₃₀)² / (D₁₀ x D₆₀) _____ CHECKED BY RLI
 GROUP SYMBOL _____ DATE 2/29/60
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



SILT OR CLAY		FINE		SAND		FINE		GRAVEL	

22865