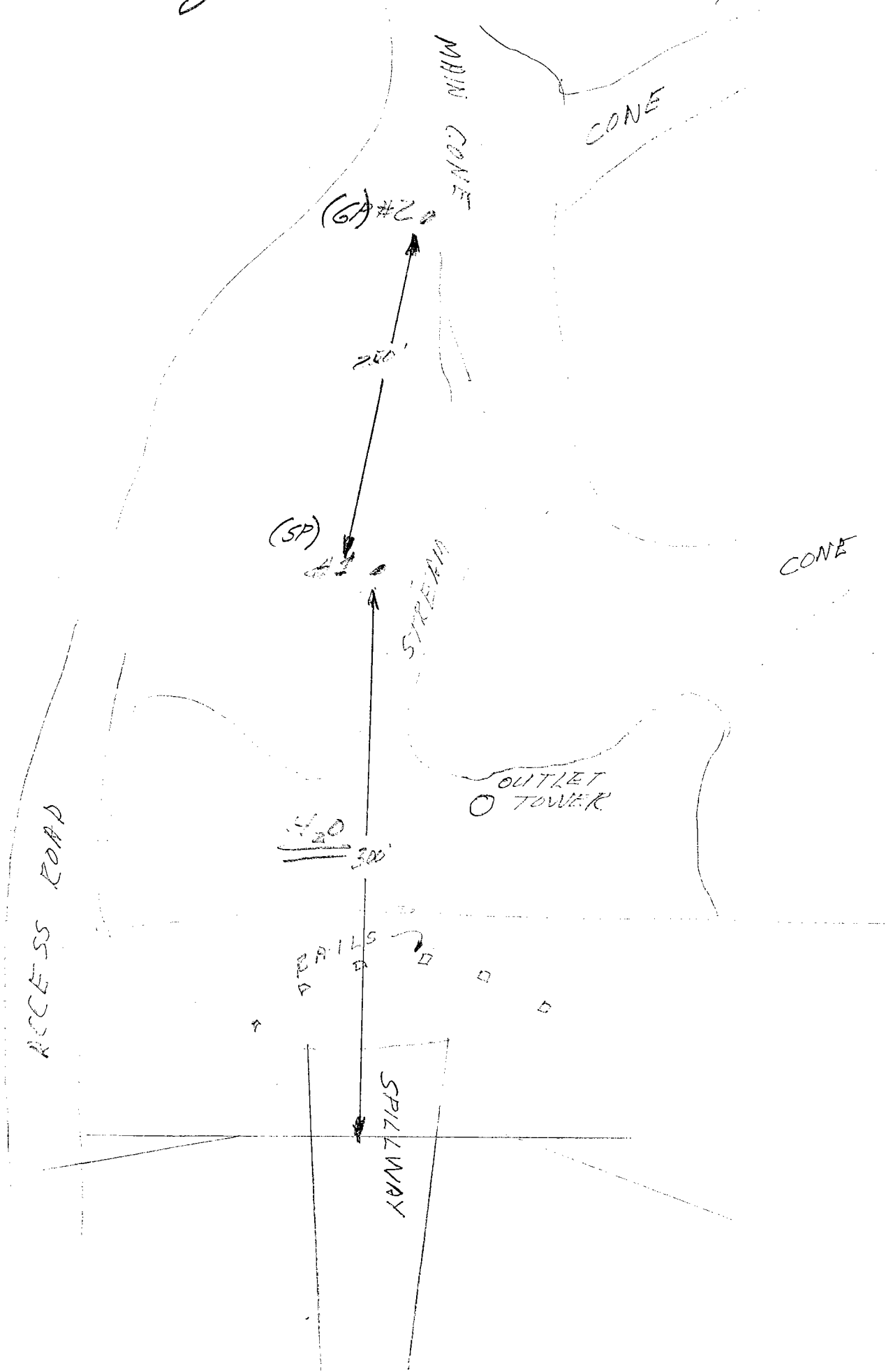


Hog. Dams Basin

2/21/69



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LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SP ✓
25

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22958 Total Weight of Sample 2.22 lbs.
 Project Hog D.B. _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 3/10/69 Plotted By _____
 Boring No. _____ Sample No. _____ Remarks NR
 Sampled By _____ Lab Tested By NR-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						
1½"	38.1						
(1")	(25.4)						
¾"	19.1						
⅜"	9.52	.13		6.3	6.3		
No. 4	4.76	.09	.22	4.4	10.7	89.3	
Pan	0	2.00		xxxxx			
Total Fractions		2.22		xxxxx			
Sieve Loss-Gain		.22					
Calc. Oven-Dry Fines		1.83		89.3			
Total Oven-Dry		2.05		100.00			

Moisture Determination of Fines:
Cup No. 65
Dry Weight 165.3 grams
Moisture 9.5 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 91.3 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 102.2 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	4.7	4.6	15.3		
16	1.19	15.8	15.5	30.8		
30	0.59	24.9	24.4	55.2		
50	.297	22.6	22.1	77.3		
100	.149	13.4	13.1	90.4		
200	.074	5.4	5.3	97.4	3.6	97.6
Pan	0	0.4				
Total Fractions		87.2				
Total Dry Weight After Wet Sieving <u>208.9</u>		88.7 86.7	86.7			
Sieve Loss-Gain <u>no. 2</u>		-1.5				

Calculated by NR Date 3/14/69
 Checked by RJT Date 3/20/69

208.9
88.7
86.7

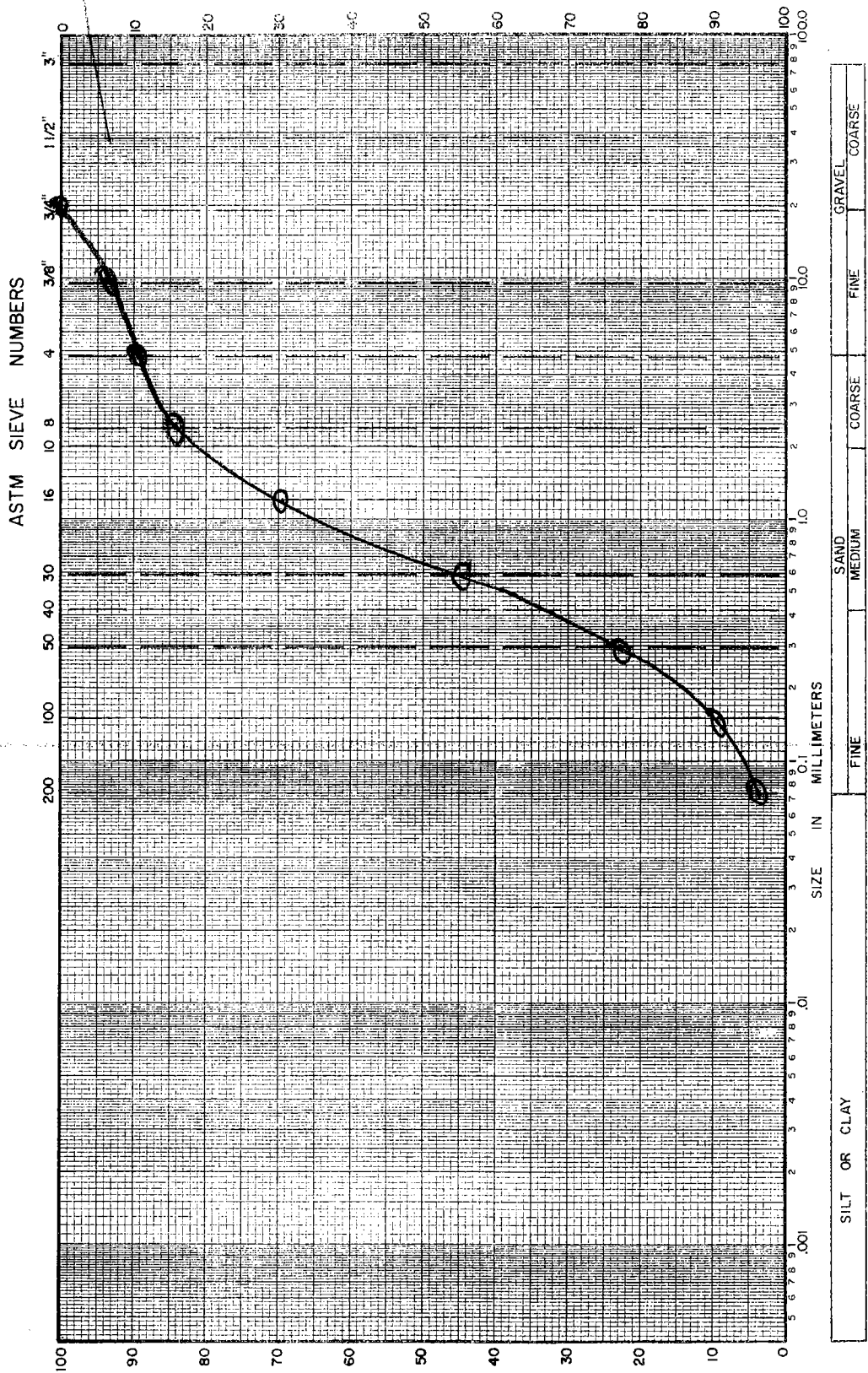
Note: Cross out sieve numbers not used.
88.7

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

LAB. SERIAL NO. 22938
 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 0.15 mm
 D₃₀ _____ mm D₆₀ 0.3 mm
 C_u = D₆₀/D₁₀ 5.7 PLOTTED BY AR
 C_c = (D₃₀)² / (D₁₀ x D₆₀) _____ CHECKED BY RJI
 GROUP SYMBOL _____ DATE 3/20/69
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



35

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

GP 25

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22959 Total Weight of Sample 2.45 lbs.
 Project HOG D.B. _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 3/10/69 Plotted By _____
 Boring No. _____ Sample No. _____ Remarks NP
 Sampled By _____ Lab Tested By NE-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						
1½"	38.1						
(1")	(25.4)	.87		35.9	35.9		
¾"	19.1	.27		11.3 H.H.	47.0 47.2		
⅜"	9.52	.17		7.0	54.0 54.2		
No. 4	4.76	.17	14.8	7.0	61.0 38.9		
Pan	0	.97		xxxxx	61.2		
Total Fractions		2.45		xxxxx	Moisture Determination of Fines:		
Sieve Loss-Gain					Cup No. <u>20</u>		
Calc. Oven-Dry Fines		.94		38.9	Dry Weight <u>171.1</u> grams		
Total Oven-Dry		2.42		100.00	Moisture <u>3.0</u> %		

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 97.1 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 250.0 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	14.7	5.9	66.9 67.1		
16	1.19	24.1	9.6	76.5	76.7	
30	0.59	27.6	11.1	87.6	87.8	
50	.297	16.3	6.5	94.1	94.3	
100	.149	7.9	3.2	97.3	97.5	
200	.074	3.4	1.4	98.7 98.9	98.9	1.1
Pan	0	0.1				
Total Fractions		94.1				
Total Dry Weight After Wet Sieving		214.4	37.7			
Sieve Loss-Gain		120.2 94.2				

Calculated by NR Date 3/17/69
 Checked by SHF 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. 22959

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 _____

PERCENT (+) NO. 4 / PERCENT (+) NO. 200 _____

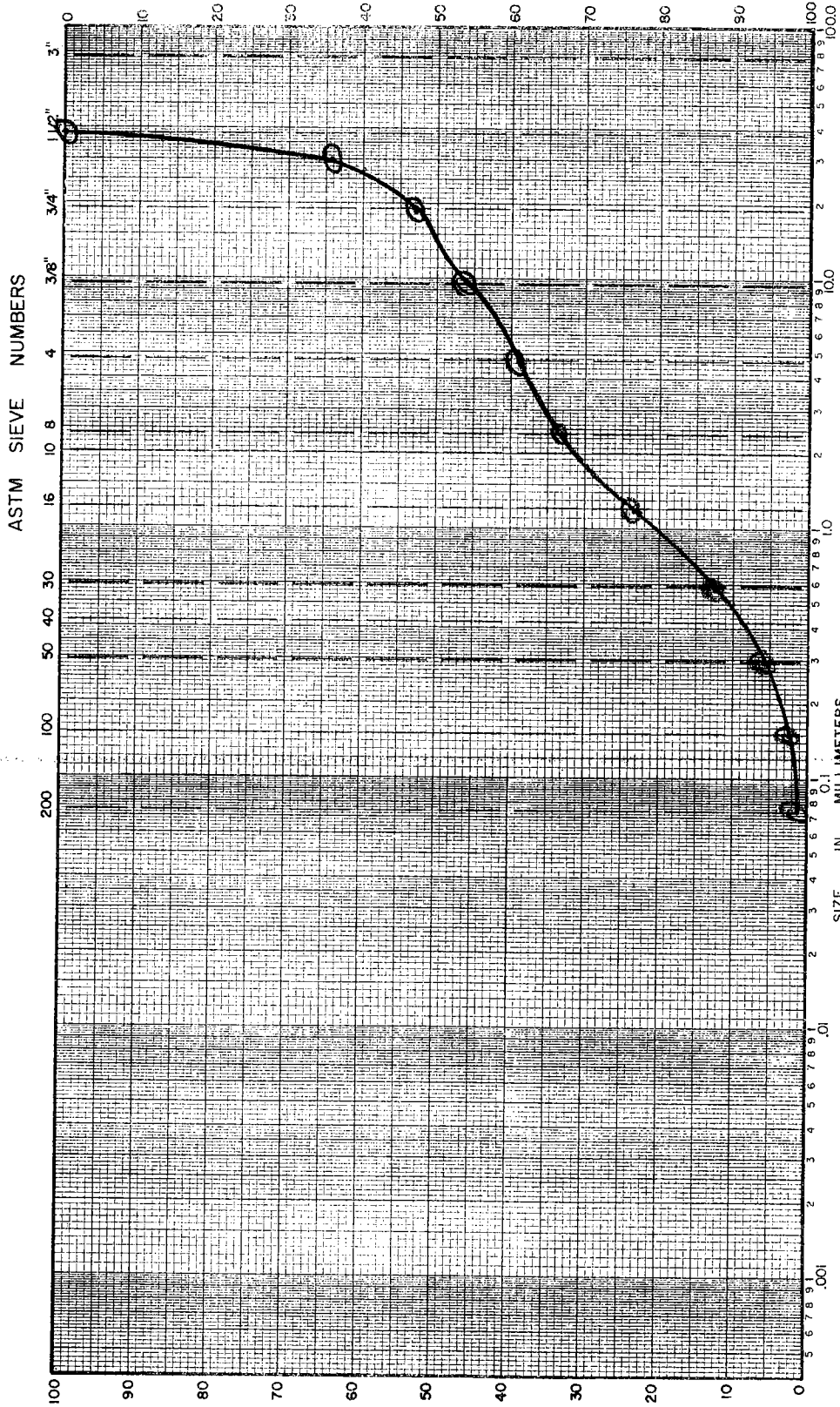
D_{30} 3.24 mm D_{60} 26.0 mm

$C_u = D_{60}/D_{10}$ 12.7 $C_c = (D_{30})^2$ 12

GROUP SYMBOL GP CHECKED BY SHF

DATE 3/18/62

NOTE: D_x = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	SAND	GRAVEL
FINE	MEDIUM	COARSE
		FINE
		COARSE

25