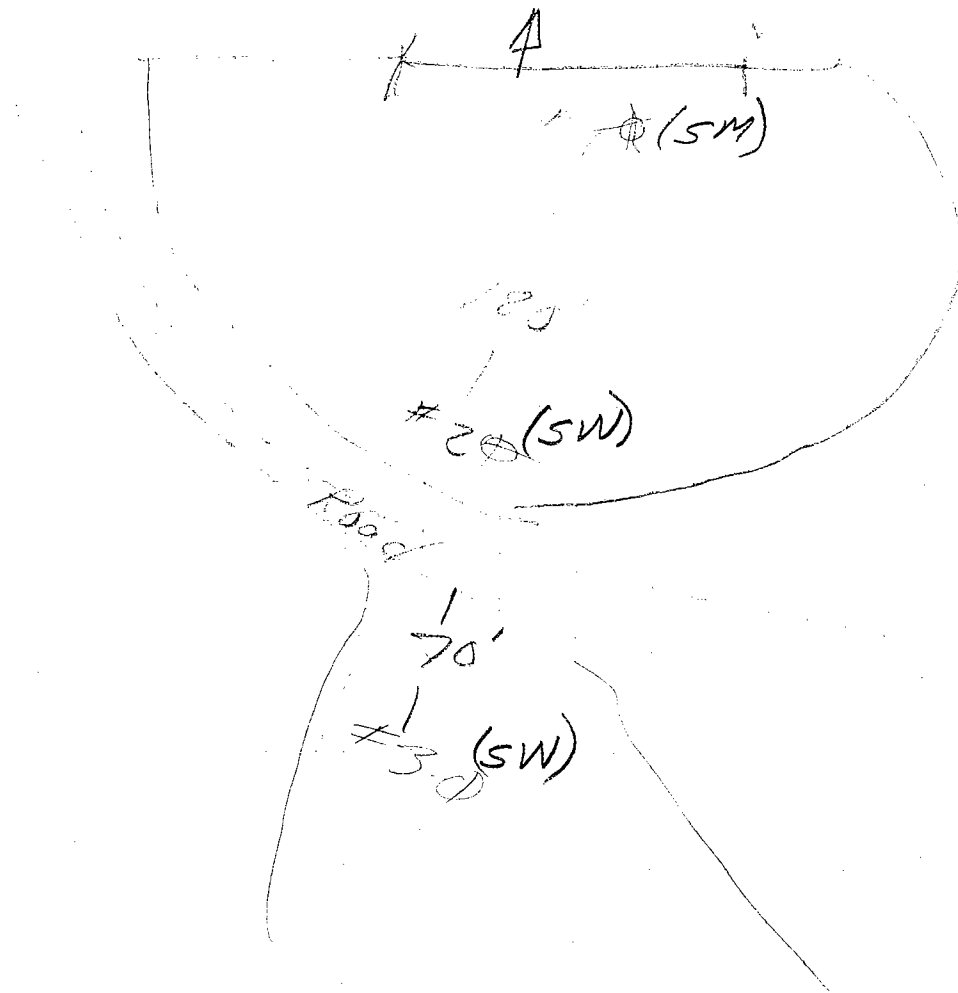


Spinks Cay O.B.

53



T

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

SM 53

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22899

Total Weight of Sample 1.00 lbs.

Project SPINKS DB

grams.

Station _____

Moisture Content of Fines _____ %.

Location _____

Date Tested 3-4-69 Plotted By _____

Boring No. _____ Sample No. 1

Remarks NP

Sampled By JB Lab Tested By FK-NR

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	<u>.04</u>		<u>4.9</u>	<u>4.9</u>	<u>95.1</u>	
Pan	0	<u>.96</u>		xxxxx			
Total Fractions		<u>1.00</u>		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		<u>0.78</u>		<u>95.1</u>			
Total Oven-Dry		<u>0.82</u>		100.00			

Moisture Determination
of Fines:

Cup No. 27
Dry Weight 155.4 grams
Moisture 22.9 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 81.4 grams.

WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 85.6 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	<u>2.5</u>	<u>2.9</u>	<u>7.8</u>		
16	1.19	<u>10.0</u>	<u>11.7</u>	<u>19.5</u>		
30	0.59	<u>13.9</u>	<u>16.2</u>	<u>35.7</u>		
50	.297	<u>13.2</u>	<u>15.4</u>	<u>51.1</u>		
100	.149	<u>13.8</u>	<u>16.1</u>	<u>67.2</u>		
200	.074	<u>14.0</u>	<u>16.4</u>	<u>86.9</u>	<u>13.1</u>	
Pan	0	<u>3.1</u>				
Total Fractions		<u>70.5</u>				
Total Dry Weight After Wet Sieving		<u>70.2</u>	<u>82.0</u>			
Sieve Loss-Gain		<u>+1.3</u>				

Calculated by RR Date 3-5-69

Checked by SAF Date 3/6/69

Note: Cross out sieve numbers not used.

190.4
120.2

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

MECHANICAL ANALYSIS

LAB. SERIAL NO. 22833

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

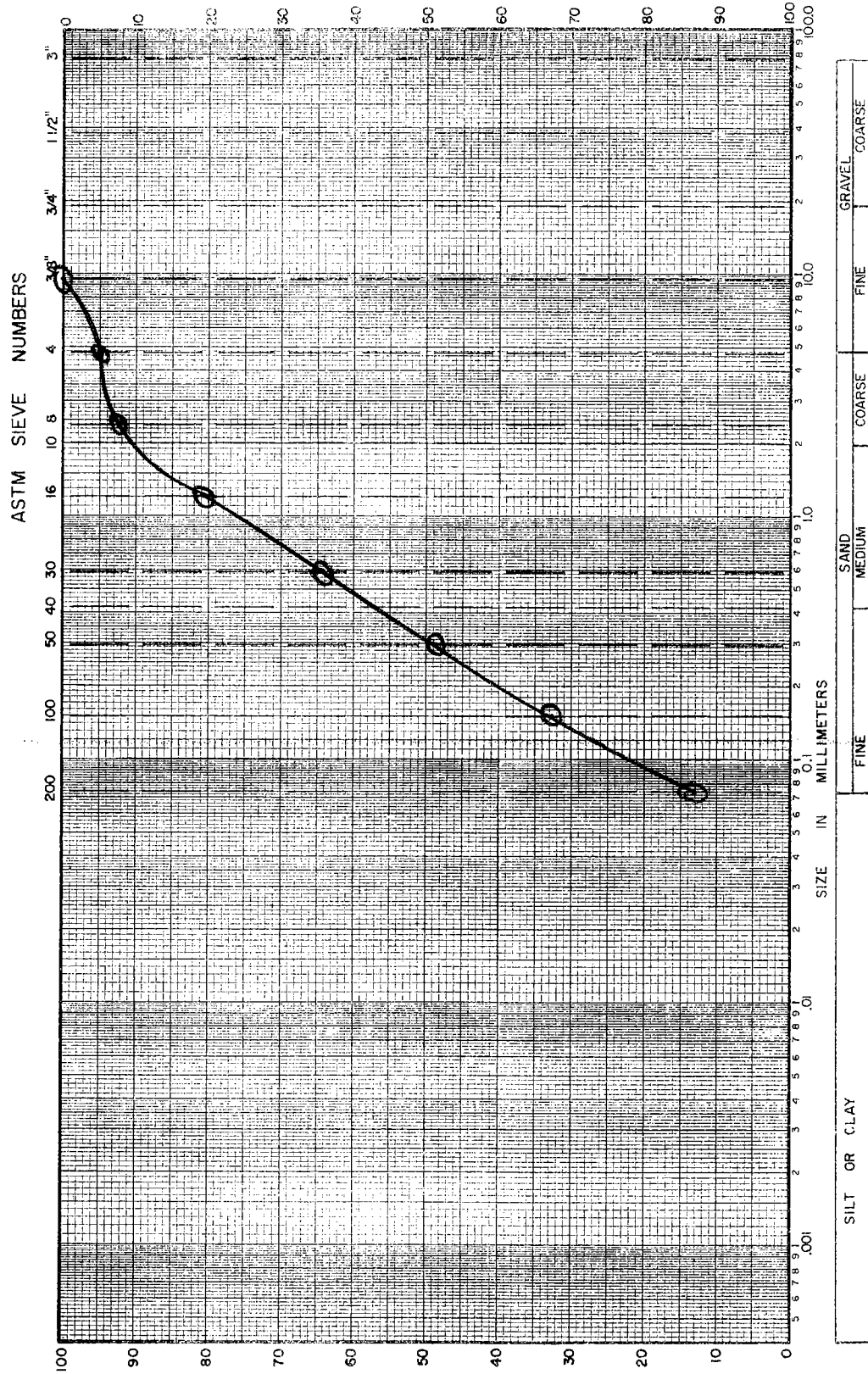
D₃₀ _____ mm D₆₀ _____ mm

Cu = D₆₀/D₁₀ _____ PLOTTED BY AK

Cc = (D₃₀)² / (D₁₀ x D₆₀) _____ CHECKED BY SHF

GROUP SYMBOL _____ DATE 3/16/77

NOTE: D_x = PARTICLE DIA. AT X% PASSING



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LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

53
SW

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22900

Total Weight of Sample 1.31 lbs.

Project SPINKS D.B.

grams.

Station _____

Moisture Content of Fines _____ %.

Location _____

Date Tested 3-4-69 Plotted By _____

Boring No. _____ Sample No. 2

Remarks NP

Sampled By JJB Lab Tested By FK-NR

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	0.06		4.9	4.9		
⅜"	9.52	0.12		9.8	14.7		
No. 4	4.76	0.13	.31	10.6	25.3	74.8	
Pan	0	1.00		xxxxx			
Total Fractions		1.31		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		0.92		74.8			
Total Oven-Dry		1.23		100.00			

Moisture Determination
of Fines:

Cup No. 1339

Dry Weight 165.7 grams

Moisture 9.1 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 91.7 grams.

WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 122.6 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	10.9	8.9	34.2		
16	1.19	23.4	19.1	53.3		
30	0.59	24.4	19.9	73.2		
50	.297	15.8	12.9	86.1		
100	.149	9.2	7.5	93.6		
200	.074	3.1	2.5	96.7	3.3	
Pan	0	0.7				
Total Fractions		87.5				
Total Dry Weight After Wet Sieving		87.5	71.4			
Sieve Loss-Gain						

Calculated by NR Date 3/5/69

Checked by CHF Date 3/6/69

Note: Cross out sieve numbers not used.

207.7

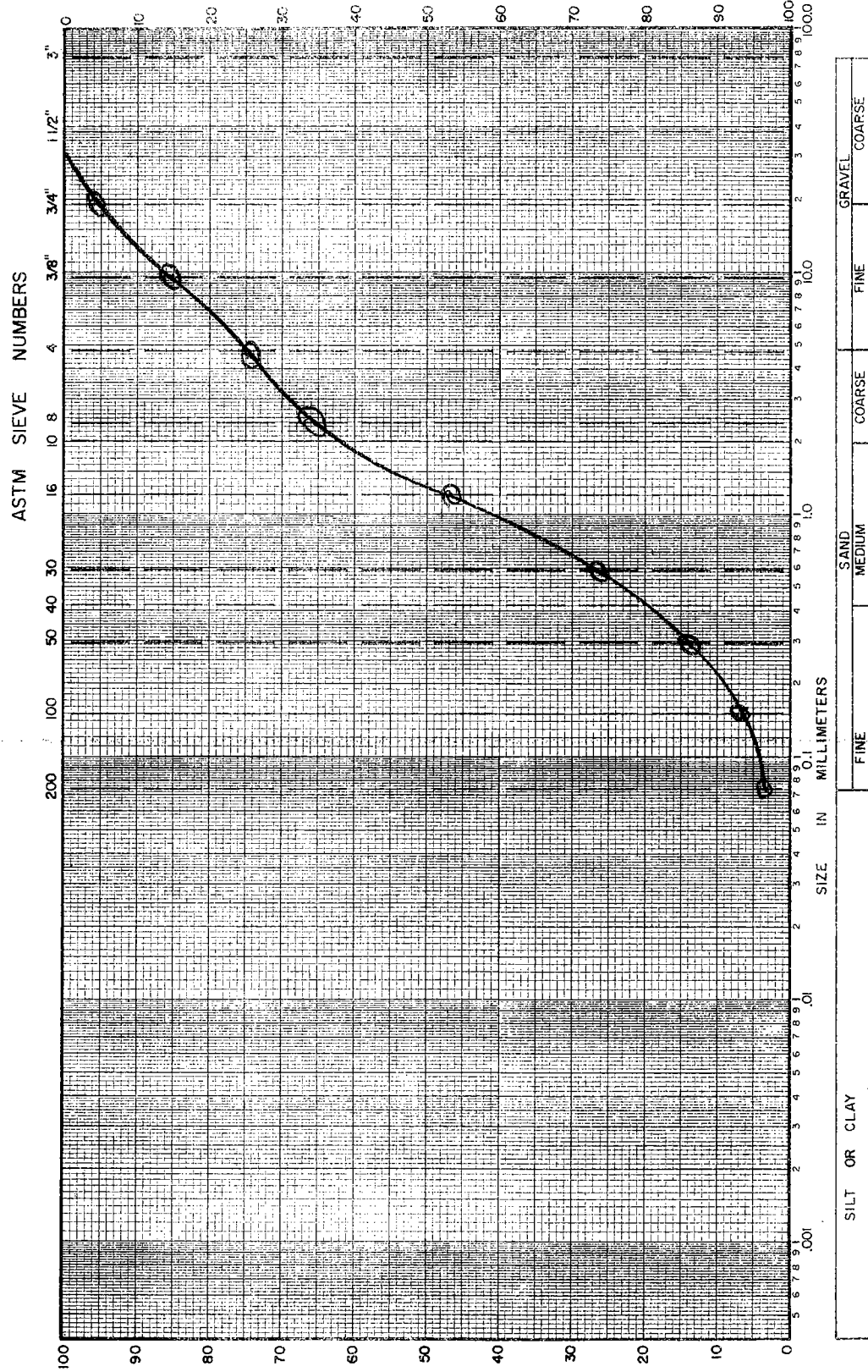
120.2

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 _____ D₁₀ _____ mm
D₃₀ _____ mm D₆₀ _____ mm
C_u = D₆₀ / D₁₀ _____ PLOTTED BY NR
C_c = (D₃₀)² / (D₁₀ x D₆₀) _____
449 1.1 CHECKED BY SUF
396 DATE 3/6/69
GROUP SYMBOL _____
NOTE: D_x = PARTICLE DIA. AT X % PASSING



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

53
SW

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22901 Total Weight of Sample 1.15 lbs.
 Project SPINICS DB _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 3/3/69 Plotted By _____
 Boring No. 3 Sample No. _____ Remarks NP
 Sampled By _____ Lab Tested By R-FK 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	<u>.08</u>		<u>7.6</u>	<u>7.6</u>		
No. 4	4.76	<u>.09</u>	<u>.17</u>	<u>8.6</u>	<u>16.2</u>	<u>83.8</u>	
Pan	0	<u>.98</u>		xxxxx			
Total Fractions		<u>1.15</u>		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		<u>.88</u>		<u>83.8</u>			
Total Oven-Dry		<u>1.05</u>		100.00			

Moisture Determination
of Fines:

Cup No. 20
 Dry Weight 163.7 grams
 Moisture 11.5 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 89.7 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 107.0 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	<u>6.9</u>	<u>6.4</u>	<u>22.6</u>		
16	1.19	<u>22.5</u>	<u>21.0</u>	<u>43.6</u>		
30	0.59	<u>25.7</u>	<u>24.0</u>	<u>67.6</u>		
50	.297	<u>16.6</u>	<u>15.5</u>	<u>83.1</u>		
100	.149	<u>10.1</u>	<u>9.4</u>	<u>92.5</u>		
200	.074	<u>3.3</u>	<u>3.1</u>	<u>95.8</u>	<u>4.2</u>	
Pan	0					
Total Fractions		<u>85.1</u>				
Total Dry Weight After Wet Sieving		<u>205.4</u>	<u>79.6</u>			
Sieve Loss-Gain		<u>120.2</u>	<u>-.1</u>			

Calculated by IR Date 3/3/69
 Checked by SHF Date 3/3/69

Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22901
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} _____ mm
 D_{30} _____ mm D_{50} _____ mm
 $C_u = D_{60}/D_{10}$ _____ $C_c = (D_{30})^2 / (D_{10} \times D_{60})$ _____
GROUP SYMBOL SM CHECKED BY SAF
DATE 3/3/60
NOTE: D_x = PARTICLE DIA. AT X% PASSING

