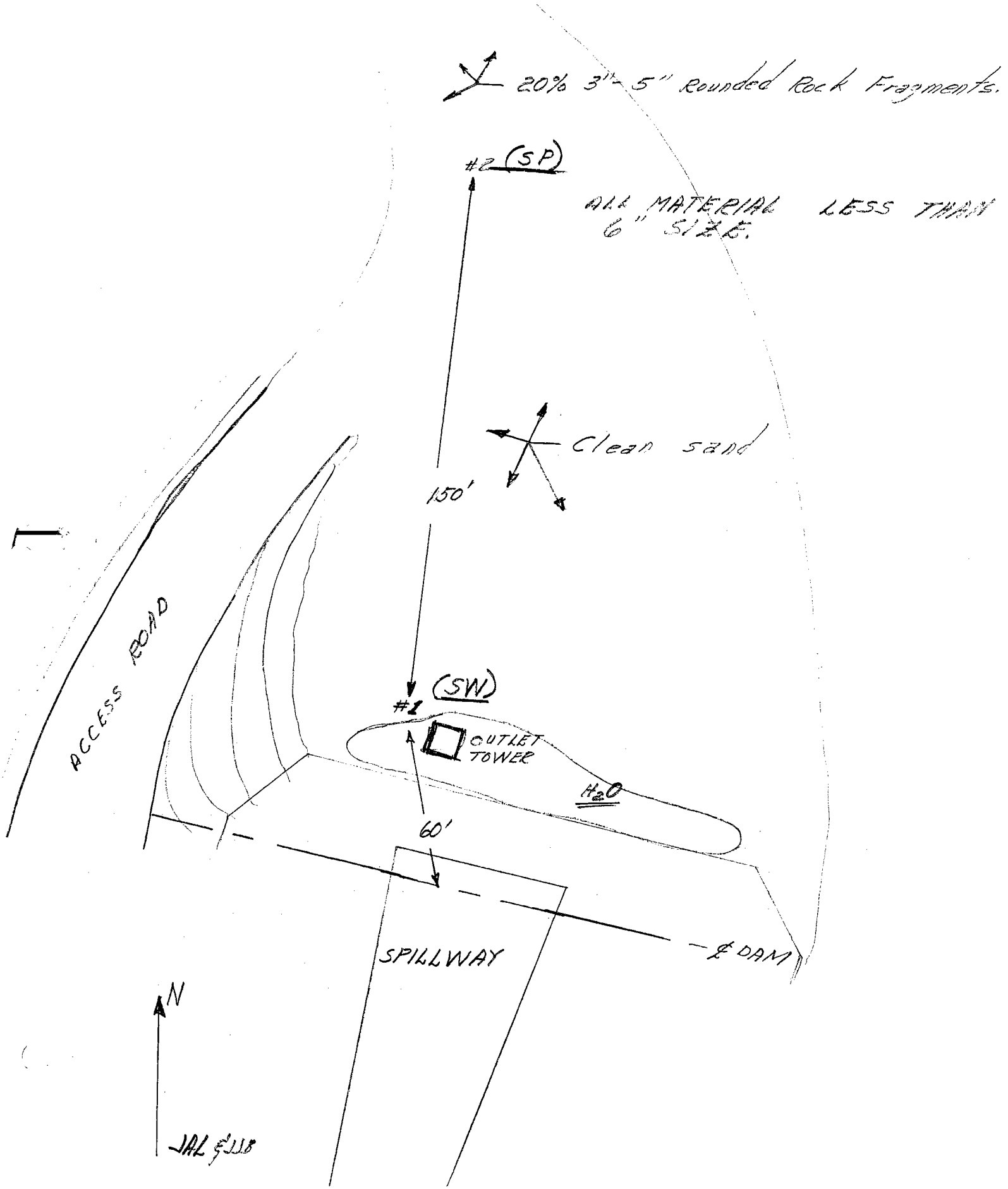
2/24/69,
From 2/21/69

Brand Debris Basin.



SW (9)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. # 22924 — Total Weight of Sample 0.98 lbs.

Project BRAND D.B. — grams.

Station — Moisture Content of Fines —%.

Location — Date Tested 2/24 Plotted By —

Boring No. 1 Sample No. — Remarks NP

Sampled By — Lab Tested By NR — Intended Use —

GRAVEL (Plus No. 4)

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED LBS.	RETAINED GRAMS	% OF TOTAL OVEN-DRY RETAINED	ACCUM. % RETAINED	ACCUM. % PASSING ACTUAL	ACCUM. % PASSING SPEC. REQ.
3"	76.2						
1½"	38.1						
(1")	(25.4)						
3/4"	19.1						
3/8"	9.52	0.04		4.3	4.3		
No. 4	4.76	0.12	0.16	12.8	17.1	83.0	
Pan	0	0.82		xxxxx			
Total Fractions		0.98		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		0.78		83.0			
Total Oven-Dry		0.94		100.00			

Moisture Determination of Fines:

Cup No. 60

Dry Weight 168.7 grams

Moisture 5.6 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 94.7 grams.

WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 114.1 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING ACTUAL	ACCUM. % PASSING SPEC. REQ.
8	2.38	16.8	14.7	31.8		
16	1.19	25.3	22.2	54.0		
30	0.59	24.0	21.0	75.0		
50	.297	14.6	12.8	87.8		
100	.149	8.2	7.2	95.0		
200	.074	3.4	3.0	98.0	2.0	
Pan	0	0.1				
Total Fractions		92.4				
Total Dry Weight After Wet Sieving 212.5		92.3	80.9			
Sieve Loss-Gain 120.2		+0.1				

Calculated by NR Date 2/25/69

Checked by SHF Date 2/27/69

Note: Cross out sieve numbers not used.

765523—Cdh 10-68

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

MECHANICAL ANALYSIS

LAB. SERIAL NO. 22924

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} 0,25 mm

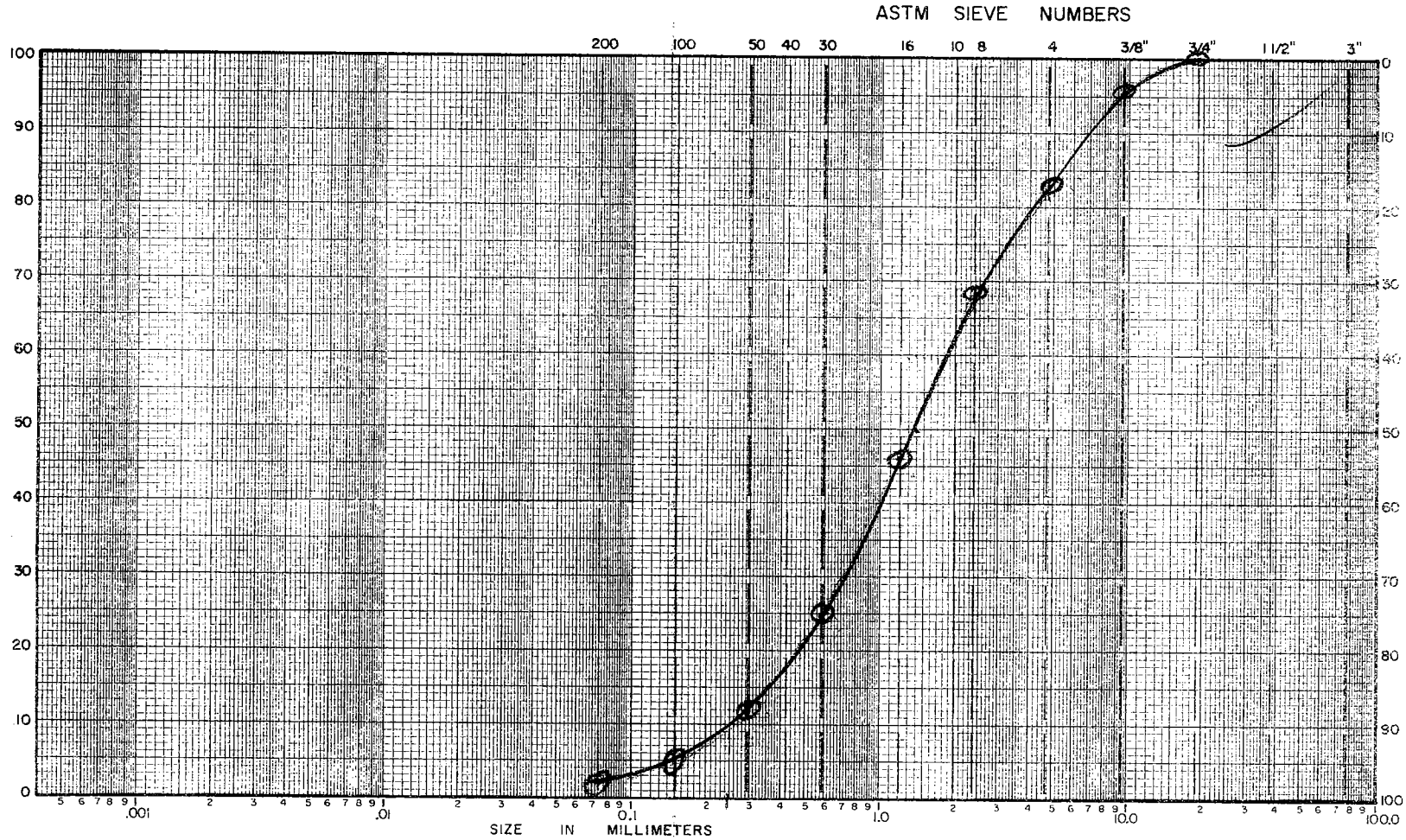
D_{30} ,73 mm D_{60} 0,80 mm

Cu = D_{60}/D_{10} 7,2 PLOTTED BY JR

Cc = $\frac{(D_{30})^2}{D_{10} \times D_{60}}$ $\frac{,533}{,450}$ 1,2 CHECKED BY RJT

GROUP SYMBOL SW DATE 2/27/62

NOTE: D_X = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SP (9)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22925

Project GRAND DR

Station

Location

Boring No. 2 Sample No.

Sampled By Lab Tested By NR

Total Weight of Sample 1.25 lbs.

grams.

Moisture Content of Fines %.

Date Tested 2/24 Plotted By

Remarks NP

Intended Use

GRAVEL (Plus No. 4)

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED LBS.	RETAINED GRAMS	% OF TOTAL OVEN-DRY RETAINED	ACCUM. % RETAINED	ACCUM. % PASSING ACTUAL	ACCUM. % PASSING SPEC. REQ.
3"	76.2						
1½"	38.1						
(1")	(25.4)						
3/4"	19.1	0.03		2.5	2.5		
3/8"	9.52	0.04		3.4	5.9		
No. 4	4.76	0.03	.10	2.5	8.4	91.5	
Pan	0	1.15		xxxxx			
Total Fractions		1.25		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.08		91.5			
Total Oven-Dry		1.18		100.00			

Moisture Determination of Fines:

Cup No. 56

Dry Weight 168.1 grams

Moisture 6.3 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 94.1 grams.

WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 102.8 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING ACTUAL	ACCUM. % PASSING SPEC. REQ.
8	2.38	6.6	6.4	14.8		
16	1.19	18.8	18.3	33.1		
30	0.59	27.9	27.1	60.2		
50	.297	19.1	18.6	78.8		
100	.149	14.2	13.8	92.6		
200	.074	5.1	5.0	97.6	2.4	
Pan	0	0.0				
Total Fractions		91.7				
Total Dry Weight After Wet Sieving 211.9		91.7	89.2			
Sieve Loss-Gain 120.2						

211.9
120.2

Calculated by NR Date 2/25/69

Checked by SMF Date 2/27/69

Note: Cross out sieve numbers not used.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

MECHANICAL ANALYSIS

LAB. SERIAL NO. 22925

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} .18 mm

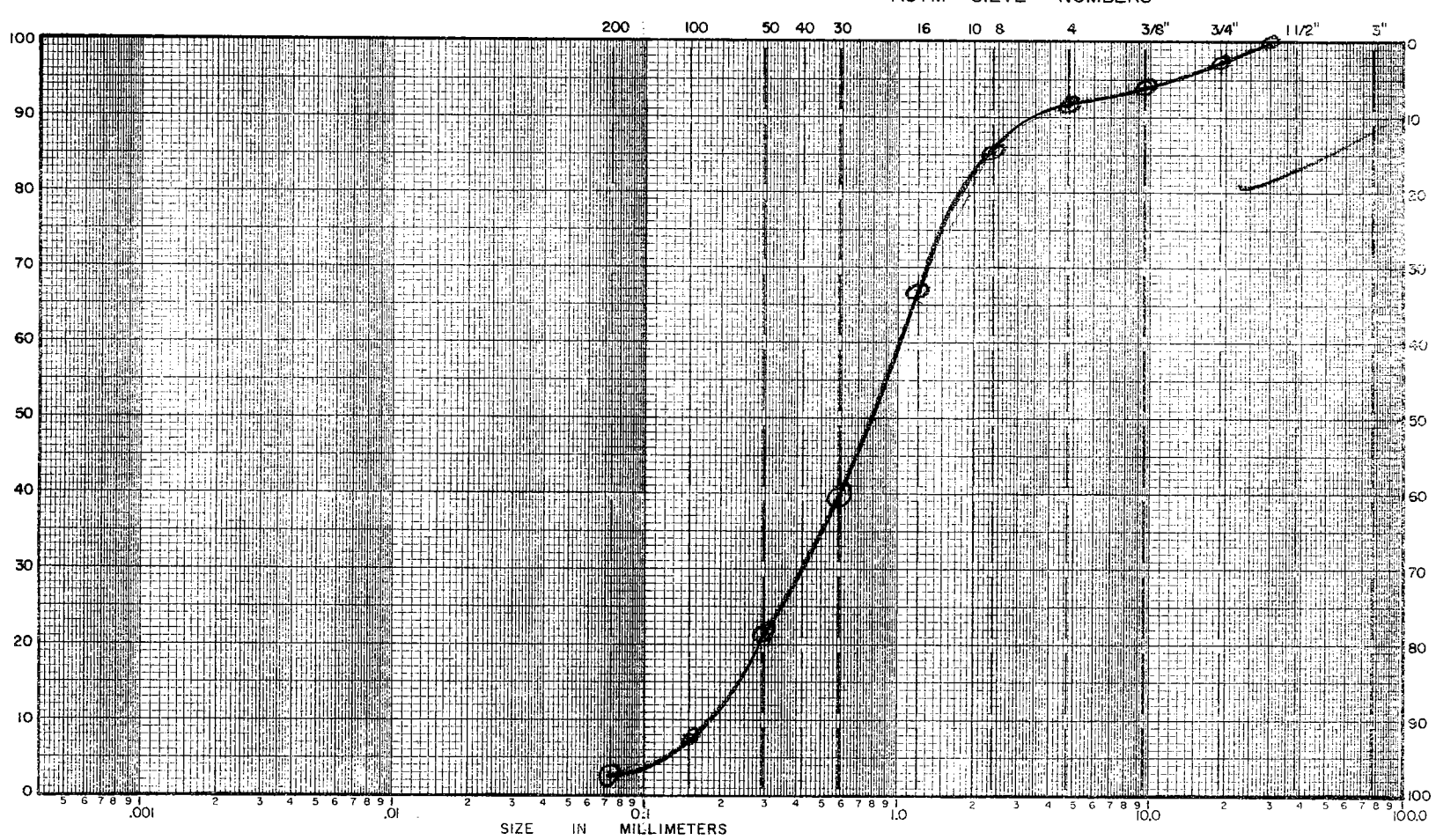
D_{30} _____ mm D_{60} 1.0 mm

$Cu = D_{60}/D_{10}$ 5.5 PLOTTED BY NB

$Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ _____ CHECKED BY _____

GROUP SYMBOL _____ DATE 1/27/64

NOTE: D_X = PARTICLE DIA. AT X% PASSING



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