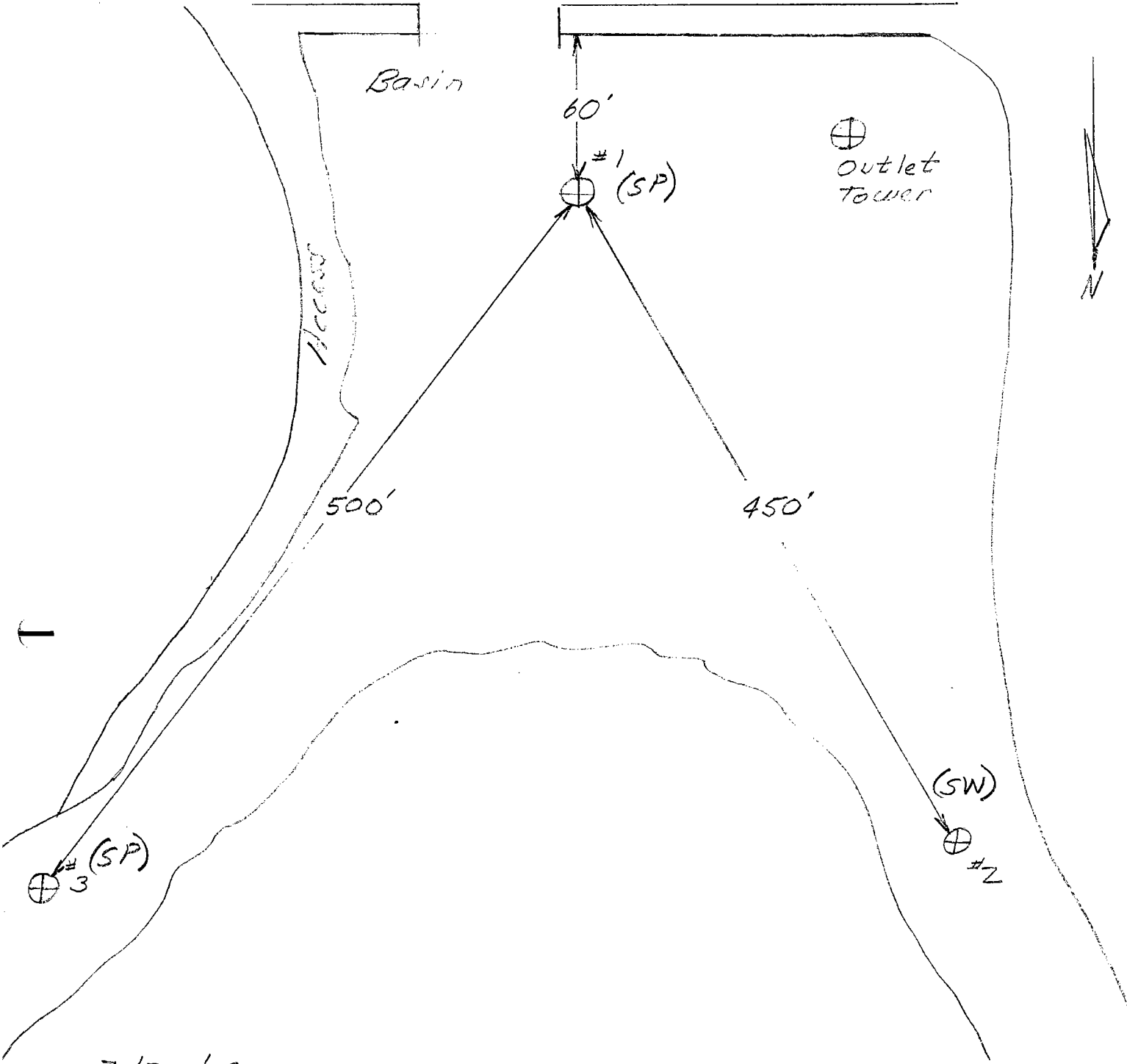


May D.B. (West)

37



2/27/69

NB-JAL

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SP [✓] (37)

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22955 Total Weight of Sample 1.56 lbs.
 Project MAY WEST _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 3/12 Plotted By _____
 Boring No. 1 Sample No. _____ Remarks _____
 Sampled By _____ Lab Tested By [Signature] 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>0.12</u>		<u>9.1</u>	<u>9.1</u>		
No. 4	4.76	<u>0.06</u>	<u>18</u>	<u>4.5</u>	<u>13.6</u>	<u>86.3</u>	
Pan	0	<u>1.38</u>		xxxxx			
Total Fractions		<u>1.56</u>		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		<u>1.14</u>		<u>86.3</u>			
Total Oven-Dry		<u>1.32</u>		<u>100.00</u>			

Moisture Determination of Fines:
Cup No. 14
Dry Weight 156.8 grams
Moisture 20.0 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 82.8 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 96.1 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	<u>9.6</u>	<u>10.0</u>	<u>23.6</u>		
16	1.19	<u>13.4</u>	<u>14.0</u>	<u>37.6</u>		
30	0.59	<u>16.9</u>	<u>17.4</u>	<u>55.2</u>		
50	.297	<u>15.0</u>	<u>15.6</u>	<u>70.8</u>		
100	.149	<u>16.9</u>	<u>17.4</u>	<u>88.4</u>		
200	.074	<u>7.5</u>	<u>7.8</u>	<u>96.6</u>	<u>3.4</u>	
Pan	0	<u>0.5</u>				
Total Fractions		<u>79.8</u>				
Total Dry Weight After Wet Sieving		<u>79.8</u>	<u>83.0</u>			
Sieve Loss-Gain		<u>120.2</u>				

Calculated by [Signature] Date 3/12/69
 Checked by RJT Date 3/20/69

Note: Cross out sieve numbers not used.

79.8

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

MECHANICAL ANALYSIS

LAB. SERIAL NO. 22955

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 13 mm

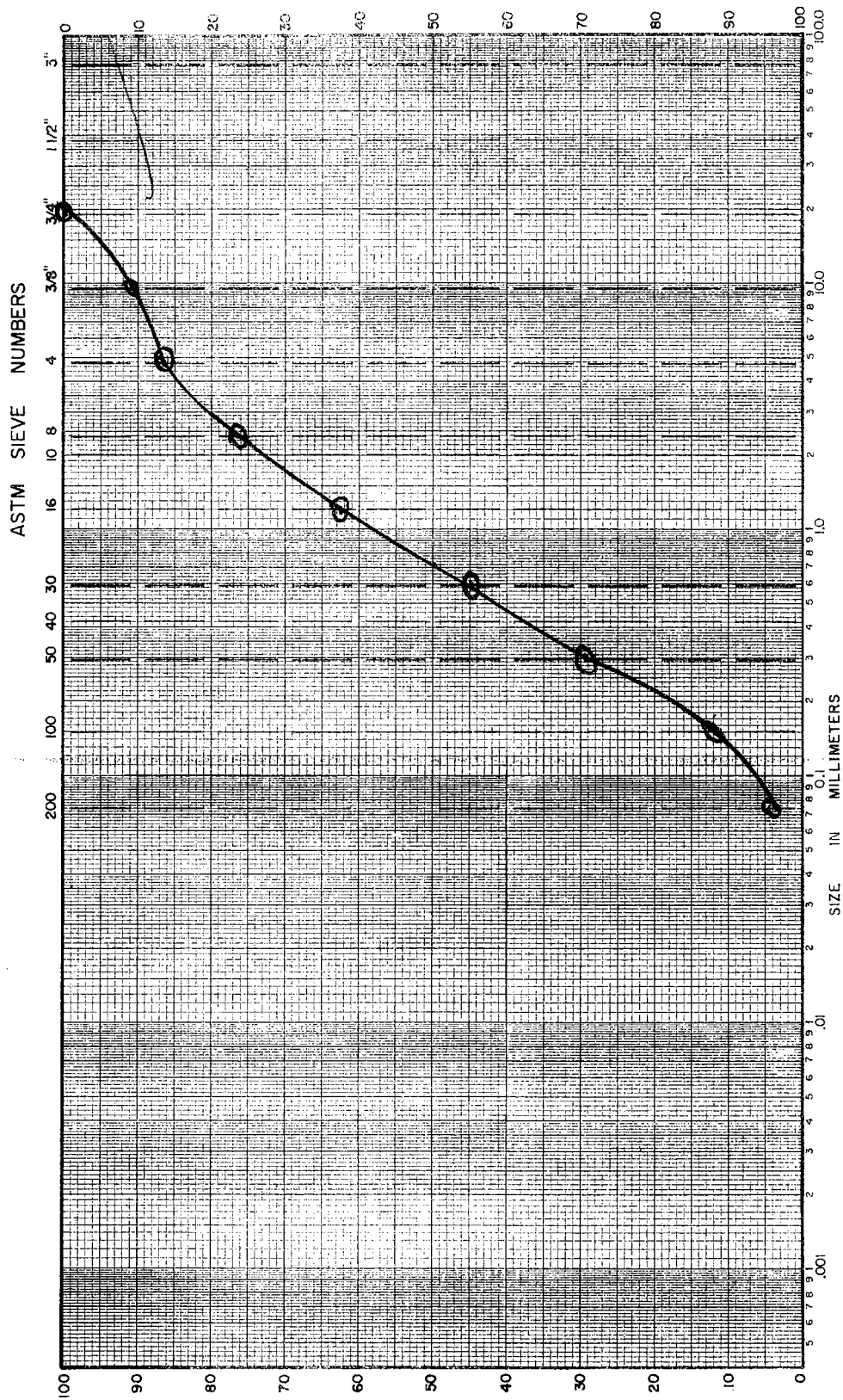
D₃₀ 37 mm D₆₀ 41 mm

Cu = D₆₀/D₁₀ 3.15 PLOTTED BY AR

Cc = (D₃₀)² / (D₁₀ x D₆₀) 1.0961 CHECKED BY RTT

1143 GROUP SYMBOL _____ DATE 3/29/69

NOTE: D_x = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	FINE	SAND MEDIUM	COARSE	FINE	GRAVEL COARSE
--------------	------	-------------	--------	------	---------------

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SW ✓
37

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22956 Total Weight of Sample 1.69 lbs.
 Project MAY WEST _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 3/12 Plotted By _____
 Boring No. 2 Sample No. _____ Remarks OP
 Sampled By _____ Lab Tested By 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						
1 1/2"	38.1						
(1")	(25.4)	.08		5.0	5.0		
3/4"	19.1	.14		8.7	13.7		
3/8"	9.52	.09		5.4	19.3		
No. 4	4.76	.11	.42	6.9	26.2	73.7	
Pan	0	1.27		xxxxx			
Total Fractions		1.69		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.18		73.7			
Total Oven-Dry		1.60		100.00			

Moisture Determination of Fines:
Cup No. 13
Dry Weight 167.1 grams
Moisture 7.4 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 93.1 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 126.3 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	7.8	6.2	32.4		
16	1.19	20.0	15.8	48.2		
30	0.59	29.5	23.3	71.5		
50	.297	19.2	15.2	86.7		
100	.149	11.4	9.0	95.7		
200	.074	3.5	2.8	98.5	1.4	
Pan	0	0.1				
Total Fractions		91.5				
Total Dry Weight After Wet Sieving		211.6	91.4	72.4		
Sieve Loss-Gain		120.2	+0.1			

2' 6"
120.2
91.4

Calculated by NR Date 3/19/69
 Checked by RTT Date 3/20/69

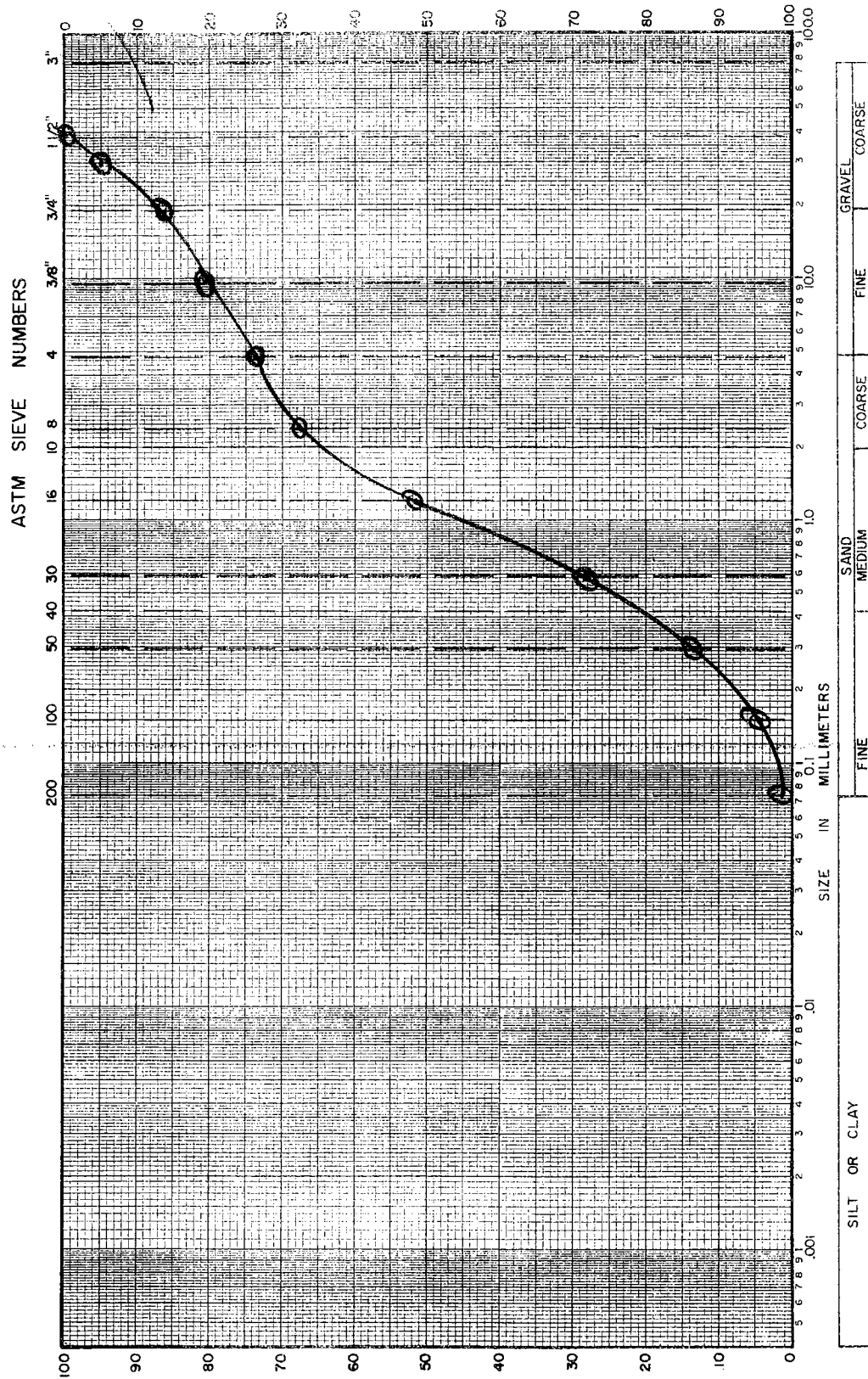
Note: Cross out sieve numbers not used.
91.4

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

LAB. SERIAL NO. 22956
 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 1.24 mm
 D₃₀ 1.63 mm D₉₀ 1.6 mm
 Cu = D₆₀/D₁₀ 1.3 PLOTTED BY AR
 Cc = (D₃₀)² / (D₁₀ x D₆₀) > 1 CHECKED BY RII
1384 GROUP SYMBOL _____ DATE 3/20/69
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



37

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SP/37

SIEVE ANALYSIS WORK SHEET

1.58

LAB SERIAL NO. 22957
Project MAY (WEST)
Station _____
Location _____
Boring No. _____ Sample No. _____
Sampled By _____ Lab Tested By NR-JHE

Total Weight of Sample _____ lbs.
grams.
Moisture Content of Fines _____ %
Date Tested 3/10 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						
1 1/2"	38.1						
(1")	(25.4)						
3/4"	19.1						
3/8"	9.52	.04		2.7	2.7		
No. 4	4.76	.03		2.0	4.7	95.3	
Pan	0	1.51		xxxxx			
Total Fractions		1.58		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.42		95.3			
Total Oven-Dry		1.49		100.00			

Moisture Determination of Fines:
Cup No. 15
Dry Weight 167.6 grams
Moisture 6.8 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 93.6 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 98.3 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	1.4	1.4	6.1		
16	1.19	9.2	9.4	15.5		
30	0.59	25.8	26.3	41.8		
50	.297	31.8	32.4	74.2		
100	.149	20.7	21.1	95.3		
200	.074	3.0	3.1	98.6	1.4	
Pan	0	0.3				
Total Fractions		92.2				
Total Dry Weight After Wet Sieving		212.5	92.3	93.9		
Sieve Loss-Gain		170.2	-0.1			

Calculated by NR Date 3/17/69
Checked by SPF Date 3/17/69

Note: Cross out sieve numbers not used.

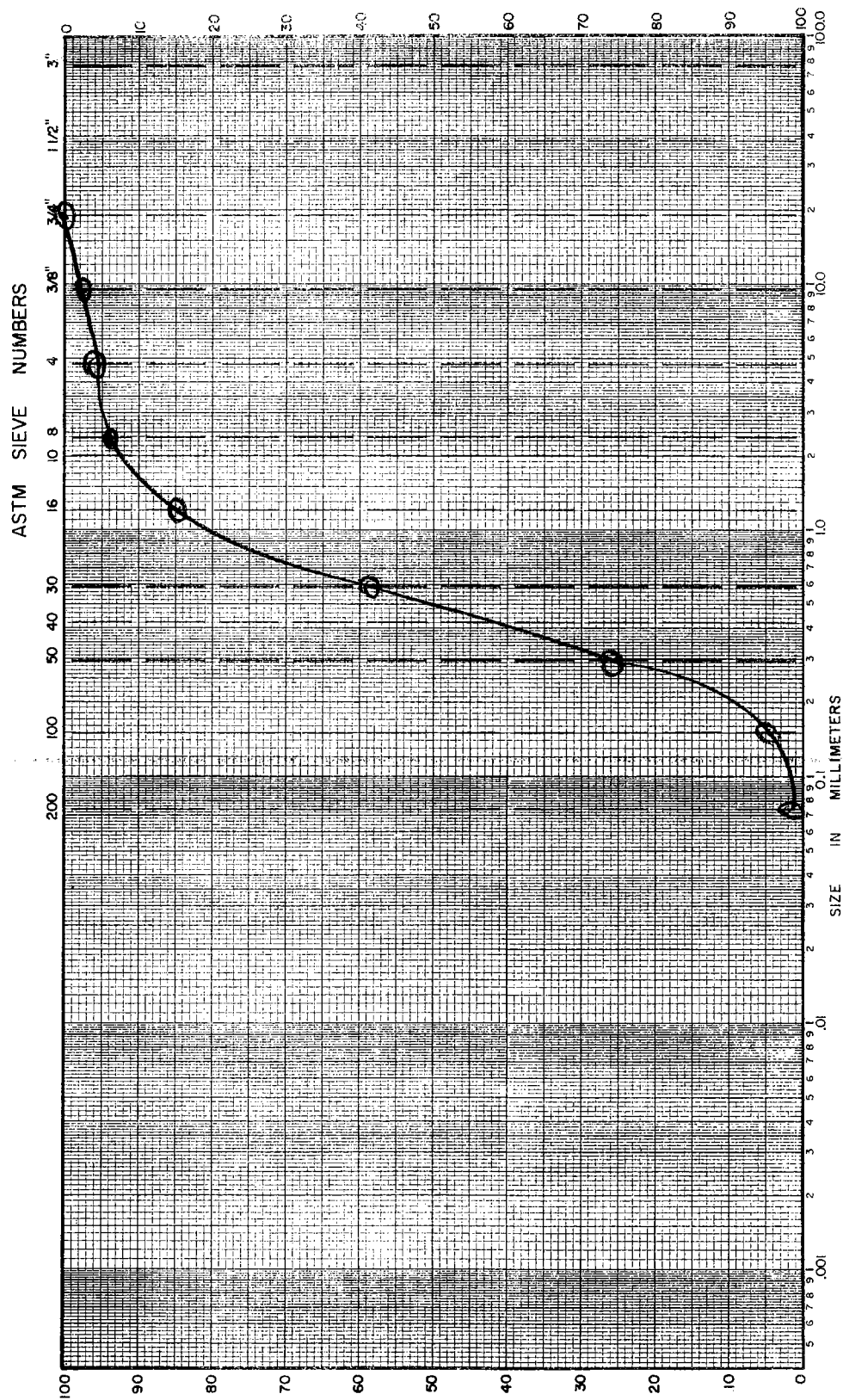
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division
MECHANICAL ANALYSIS

22957

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 0.21 mm
 D₃₀ _____ mm D₆₀ 1.60 mm
 C_u = D₆₀/D₁₀ 7.62 PLOTTED BY AR
 C_c = (D₃₀)² / (D₁₀ x D₆₀) _____ CHECKED BY SHF
 GROUP SYMBOL SP DATE 3/27/69
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	FINE	SAND MEDIUM	COARSE	FINE	GRAVEL COARSE
--------------	------	----------------	--------	------	------------------

37