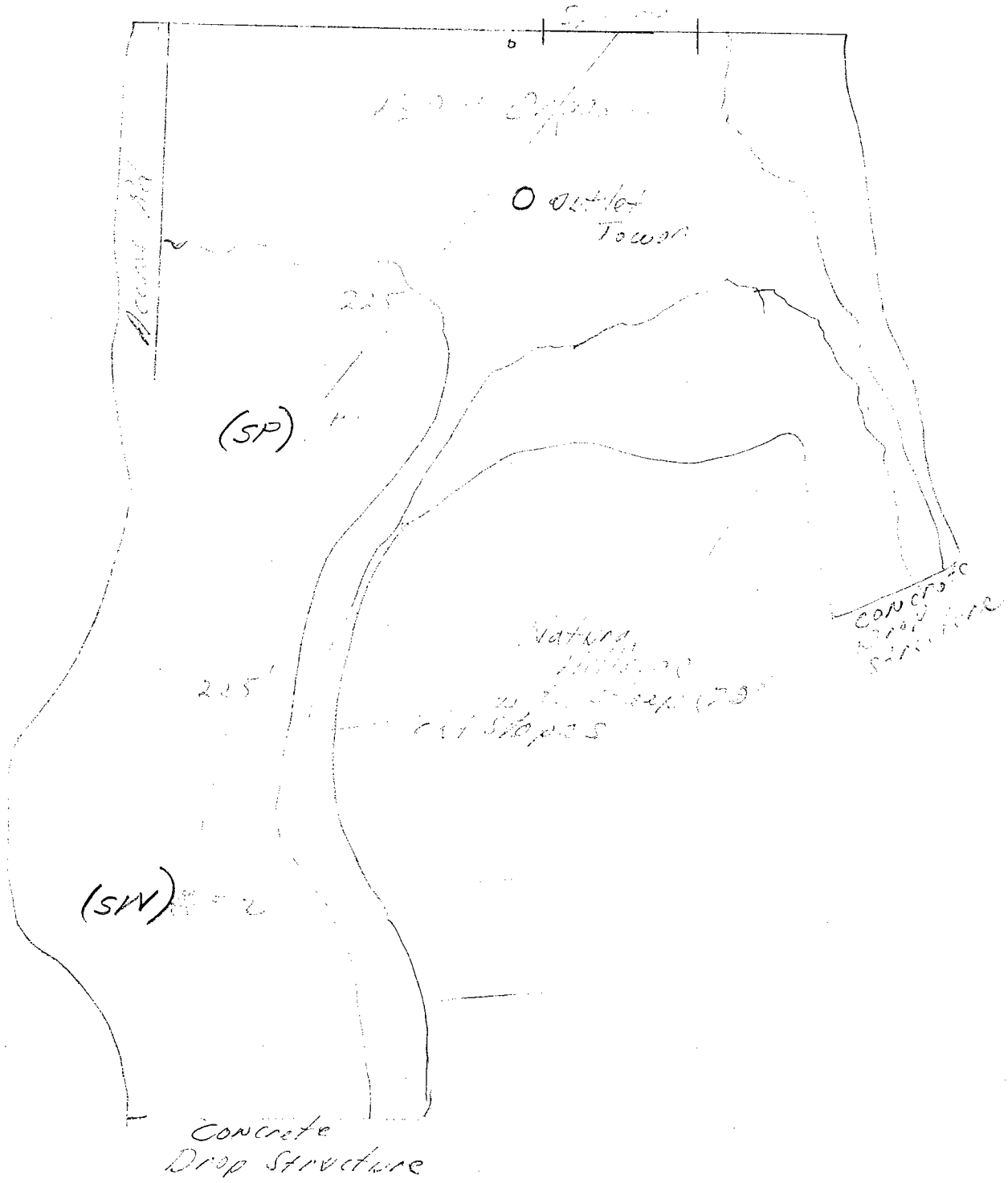
Sambro N.B.

2/27/80

51



SP ✓

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22962 — Total Weight of Sample 2.09 lbs. ____ grams.
Project SOMBRERO D.B. — Moisture Content of Fines ____ %.
Station ____ — Date Tested 3/10/69 Plotted By ____
Location ____ — Remarks NP
Boring No. ____ Sample No. ____ — Intended Use ____
Sampled By ____ Lab Tested By NR-JHE

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	.18		9.4	9.4		
3/8"	9.52	.17		8.9	18.3		
No. 4	4.76	.24	5.9	12.6	30.9	69.1	
Pan	0	1.50		xxxxx			
Total Fractions		2.09		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.32		69.1			
Total Oven-Dry		1.91		100.00			

Moisture Determination of Fines:
Cup No. 55
Dry Weight 162.1 grams
Moisture 13.5 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 — (CALC.) OVEN-DRY WEIGHT 88.1 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 127.3 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	19.0	14.9	45.7		
16	1.19	21.1	16.6	62.3		
30	0.59	20.3	15.9	78.2		
50	.297	13.3	10.4	88.6		
100	.149	9.0	7.1	95.7		
200	.074	3.4	2.7	98.5	1.4	
Pan	0	0.2				
Total Fractions		86.3				
Total Dry Weight After Wet Sieving 206.3 − 120.2		86.1	67.6			
Sieve Loss-Gain 86.1		+.2				

2 · 3
1 + 0.2
86.1

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

Note: Cross out sieve numbers not used.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

MECHANICAL ANALYSIS

LAB. SERIAL NO. 22962

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} .127 mm

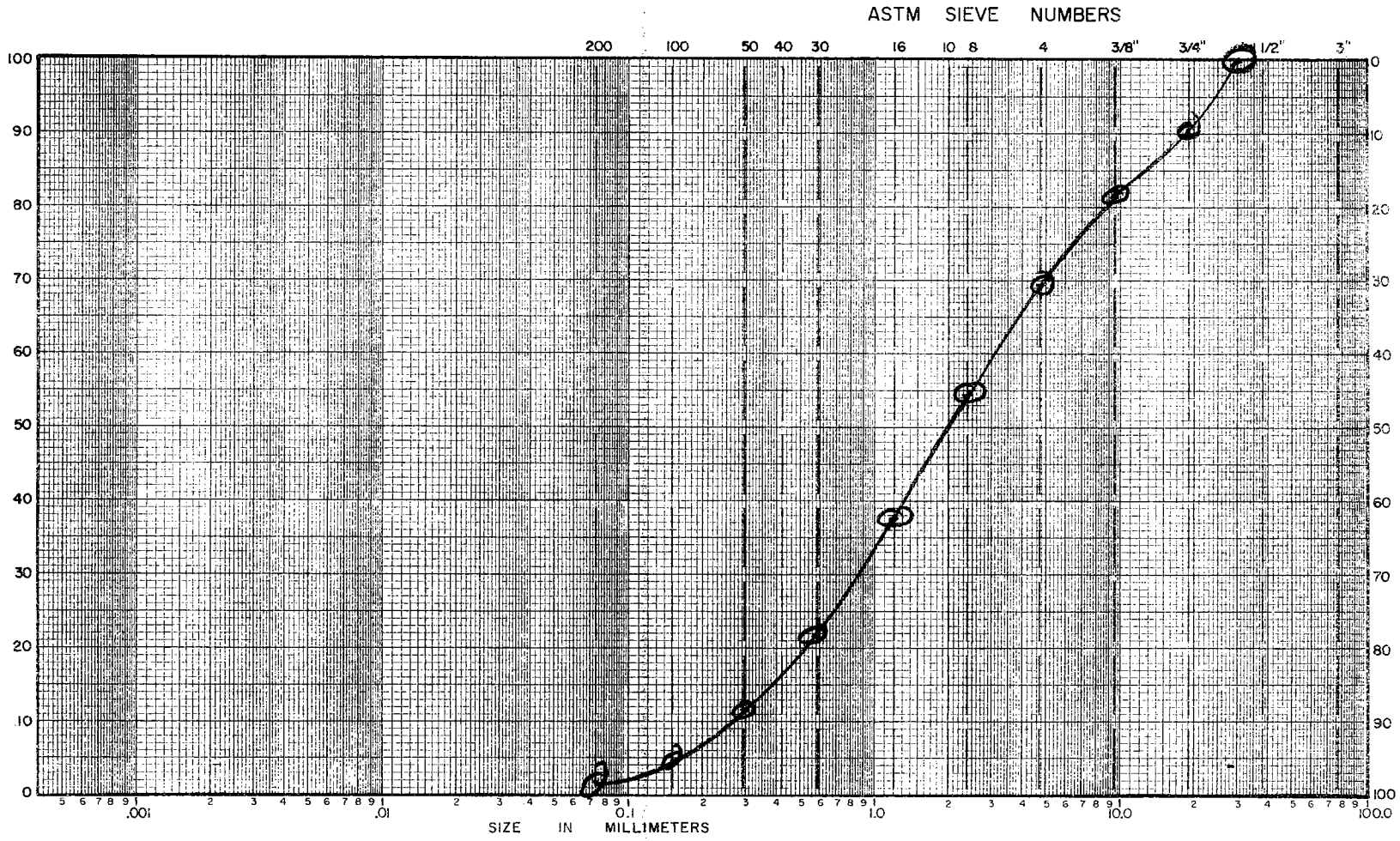
D_{30} .86 mm D_{60} 3.1 mm

$Cu = D_{60}/D_{10}$ 11.5 PLOTTED BY AR

$Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ .740/1.837 CHECKED BY RJT

GROUP SYMBOL _____ DATE 2/20/69

NOTE: D_X = PARTICLE DIA. AT X% PASSING



SW

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22963 — Total Weight of Sample 2,27 lbs.
Project SOMBRERO — grams.
Station — Moisture Content of Fines %.
Location — Date Tested 3/12 Plotted By
Boring No. 2 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)	0,22		11.0	11.0		
3/4"	19.1	—		—	11.0		
3/8"	9.52	0,16		8.0	19.0		
No. 4	4.76	0,15	53	7.5	26.5	73.6	
Pan	0	1,74		xxxxx			
Total Fractions		2.27		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.48		73.6			
Total Oven-Dry		2,01		100.00			

Moisture Determination of Fines:
Cup No. 6
Dry Weight 159.0 grams
Moisture 17.6 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 — (CALC.) OVEN-DRY WEIGHT 85.0 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 115.5 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	13.7	12.3	38.8		
16	1.19	26.8	23.2	62.0		
30	0.59	22.8	19.8	81.8		
50	.297	11.6	10.4	92.2		
100	.149	6.1	5.3	97.5		
200	.074	2.0	1.7	98.7	1.3	
Pan	0	0.0				
Total Fractions		83.0				
Total Dry Weight After Wet Sieving 203.5 − 120.2 = 83.3		83.3	72.2			
Sieve Loss-Gain		-.3				

203.5 − 120.2 = 83.3

Calculated by NR Date 3/18/69
Checked by RJT Date 3/20/69

Note: Cross out sieve numbers not used.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

MECHANICAL ANALYSIS

LAB. SERIAL NO. 22963

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} .33 mm

D_{30} .93 mm D_{60} 2.3 mm

$Cu = D_{60}/D_{10}$ 6.6 PLOTTED BY MR

$Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ .845/.805 CHECKED BY RJT

GROUP SYMBOL DATE 3/20/69

NOTE: D_X = PARTICLE DIA. AT X % PASSING