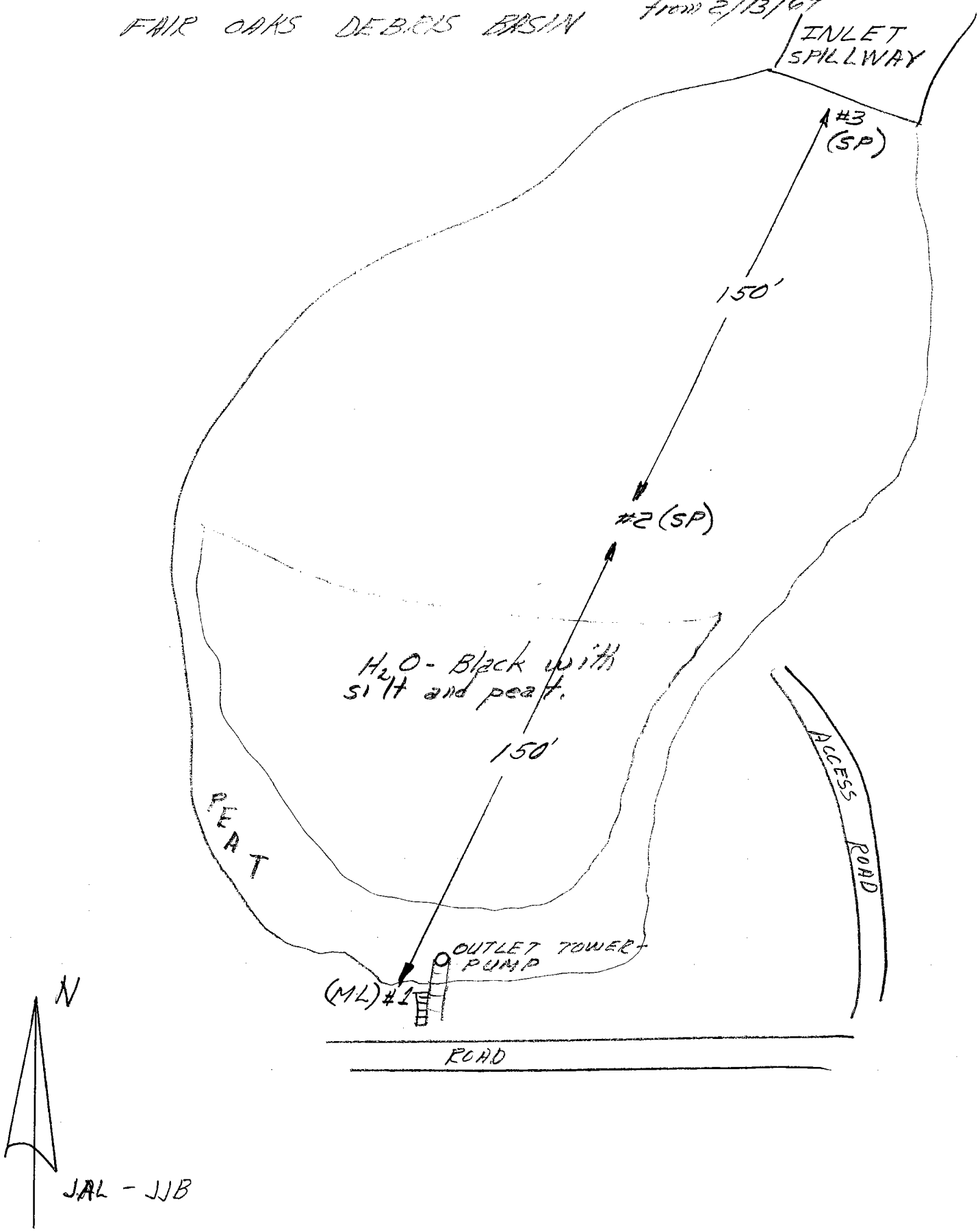
FAIR OAKS DEBRIS BASIN

2/25/69
Flow 2/13/69



JAL - JJB

SP 1/17

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22823
Project FAIR OAK DB
Station
Location AT INLET
Boring No. 3 Sample No.
Sampled By JB-JAL Lab Tested By R-FK

Total Weight of Sample _____ lbs.
_____ grams.
Moisture Content of Fines _____ %.
Date Tested 2/14/69 Plotted By _____
Remarks NON PLASTIC
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						
No. 4	4.76	0.01	.01	0.6	0.6	99.4	
Pan	0	1.86		xxxxx			
Total Fractions		1.87		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.76		99.4			
Total Oven-Dry		1.77		100.00			

Moisture Determination of Fines:
Cup No. 49
Dry Weight 168.4 grams
Moisture 5.9 %

FINES (Minus No. 4)

WEIGHT, GRAMS 300 (CALC.) OVEN-DRY WEIGHT 283.3 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 285.0 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	3.9	1.4	2.0		
16	1.19	23.8	8.4	10.4		
30	0.59	80.1	28.1	38.5		
50	.297	106.6	37.4	75.9		
100	.149	48.9	17.2	93.1		
200	.074	12.8	4.5	97.6	2.2	
Pan	0	0.8				
Total Fractions		276.9				
Total Dry Weight After Wet Sieving		277.1	97.2			
Sieve Loss-Gain		−0.2				

Calculated by AR Date 2/24/69
Checked by SHF Date 2/27/69

Note: Cross out sieve numbers not used.

399.3
121.5

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

MECHANICAL ANALYSIS

LAB. SERIAL NO. 22823

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} .19 mm

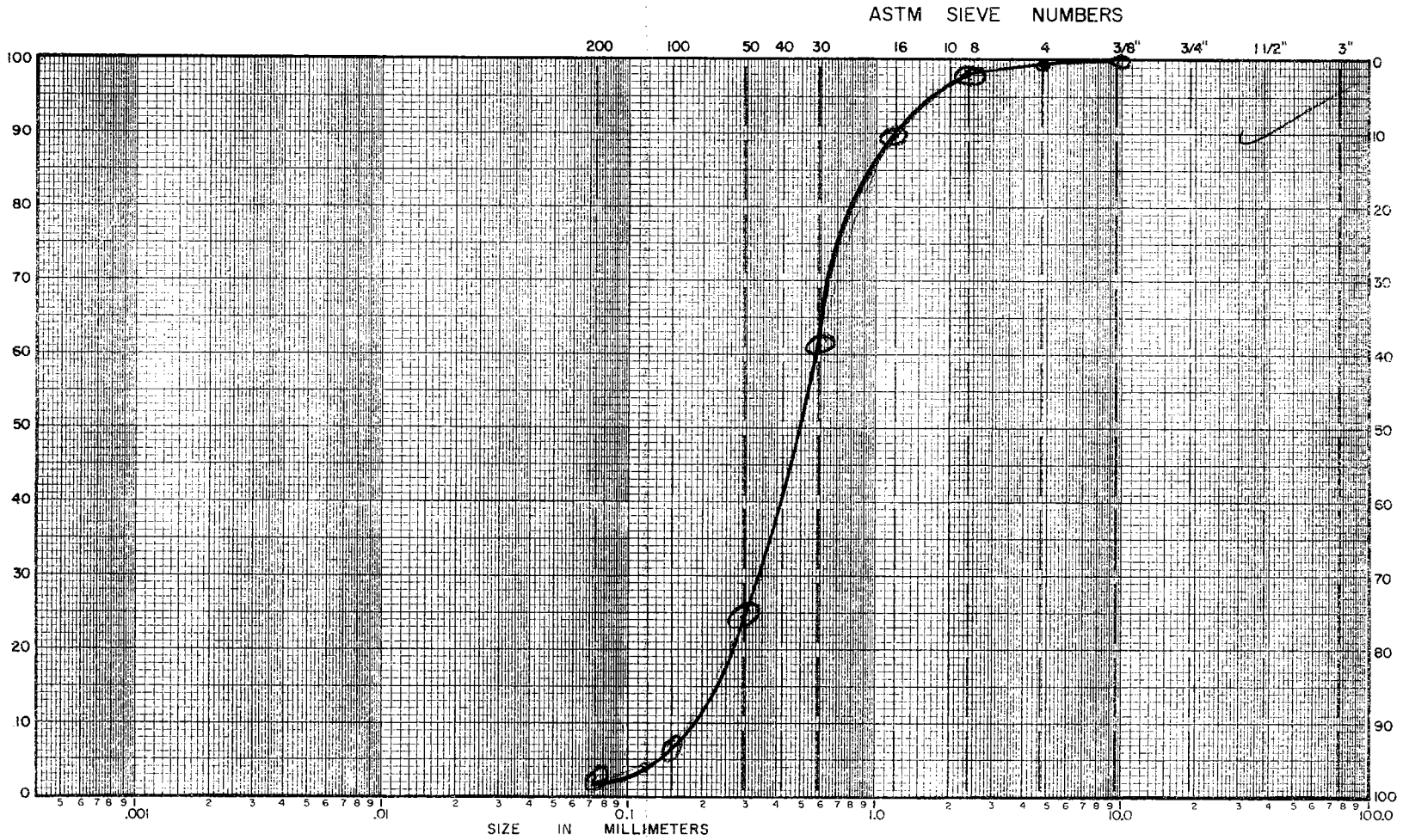
D_{30} _____ mm D_{60} .58 mm

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

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

GROUP SYMBOL _____ DATE 2/27/63

NOTE: D_X = PARTICLE DIA. AT X% PASSING



17

SP (17)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22824 — Total Weight of Sample 1.86 lbs.
Project FAIR OAKS DD — grams.
Station — Moisture Content of Fines %.
Location 150' D S INLET @ E — Date Tested 2/14/69 Plotted By
Boring No. — Sample No. — Remarks
Sampled By — Lab Tested By AR-FK — 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	0.05		2.8	2.8		
No. 4	4.76	0.14	19	7.8	10.6	89.4	
Pan	0	1.67		xxxxx			
Total Fractions		1.86		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.61		89.4			
Total Oven-Dry		1.80		100.00			

Moisture Determination of Fines:
Cup No. 39
Dry Weight 170.4 grams
Moisture 3.7 %

FINES (Minus No. 4)

WEIGHT, GRAMS 300 (CALC.) OVEN-DRY WEIGHT 289.3 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 323.60 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	29.30	9.1	19.7		
16	1.19	71.85	22.2	41.9		
30	0.59	85.70	26.5	68.4		
50	.297	67.70	20.9	89.3		
100	.149	22.25	6.9	96.2		
200	.074	4.55	1.4	98.5	1.5	
Pan	0	0.15				
Total Fractions		281.50				
Total Dry Weight After Wet Sieving 406.00		284.50	87.9			
Sieve Loss-Gain 121.50		-3.00				

406.00
121.50

Calculated by AR Date 2/20/69
Checked by RJT Date 2/20/69

Note: Cross out sieve numbers not used.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

MECHANICAL ANALYSIS

LAB. SERIAL NO. 22824

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} 0.29 mm

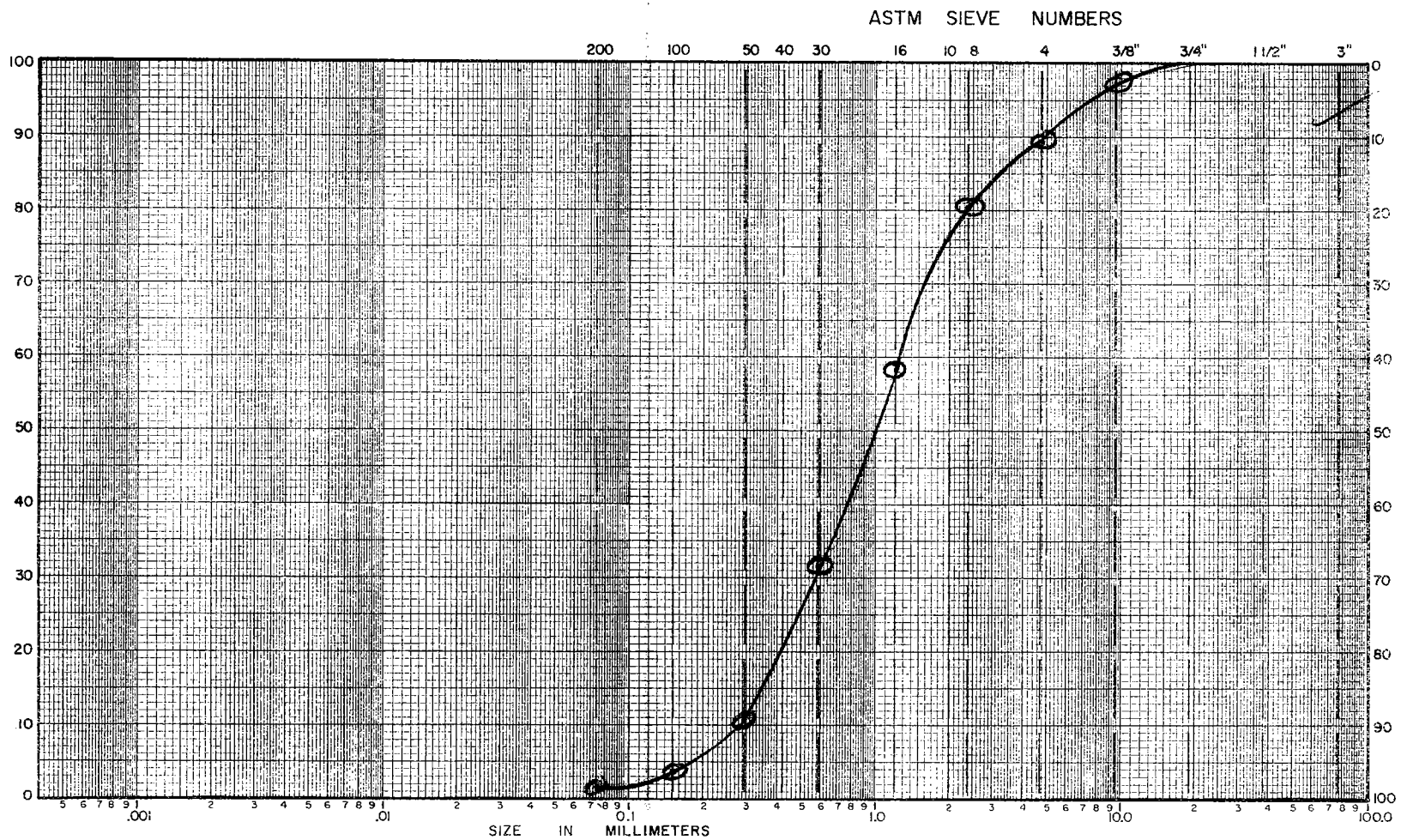
D_{30} 0.58 mm D_{60} 1.25 mm

$Cu = D_{60}/D_{10}$ 4.3 PLOTTED BY AR

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

GROUP SYMBOL DATE 2/21/69

NOTE: D_X = PARTICLE DIA. AT X% PASSING



(17)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

ML

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22825
Project FAIR OAKS DR
Station
Location
Boring No. 3 Sample No.
Sampled By Lab Tested By AR

Total Weight of Sample lbs.
grams.
Moisture Content of Fines %.
Date Tested 2/14 Plotted By
Remarks NON PLASTIC
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						
No. 4	4.76	.01		0.8	0.8	99.2	
Pan	0	1.61		xxxxx			
Total Fractions		1.62		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.19		99.2			
Total Oven-Dry		1.20		100.00			

Moisture Determination of Fines:
Cup No. 13
Dry Weight 147.9 grams
Moisture 35.3 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 73.9 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 74.5 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	0.5	0.7	1.5		
16	1.19	1.6	2.1	3.6		
30	0.59	2.1	2.8	6.4		
50	.297	2.3	3.1	9.5		
100	.149	1.3	1.7	11.2		
200	.074	0.6	0.8	12.7	87.3	
Pan	0	—	—			
Total Fractions		8.4				
Total Dry Weight After Wet Sieving 130.3		8.9	11.9			
Sieve Loss-Gain 121.4		+.5				

12.3
121.4

Calculated by AR Date 2/17/69
Checked by RTT Date 2/24/69

Note: Cross out sieve numbers not used.