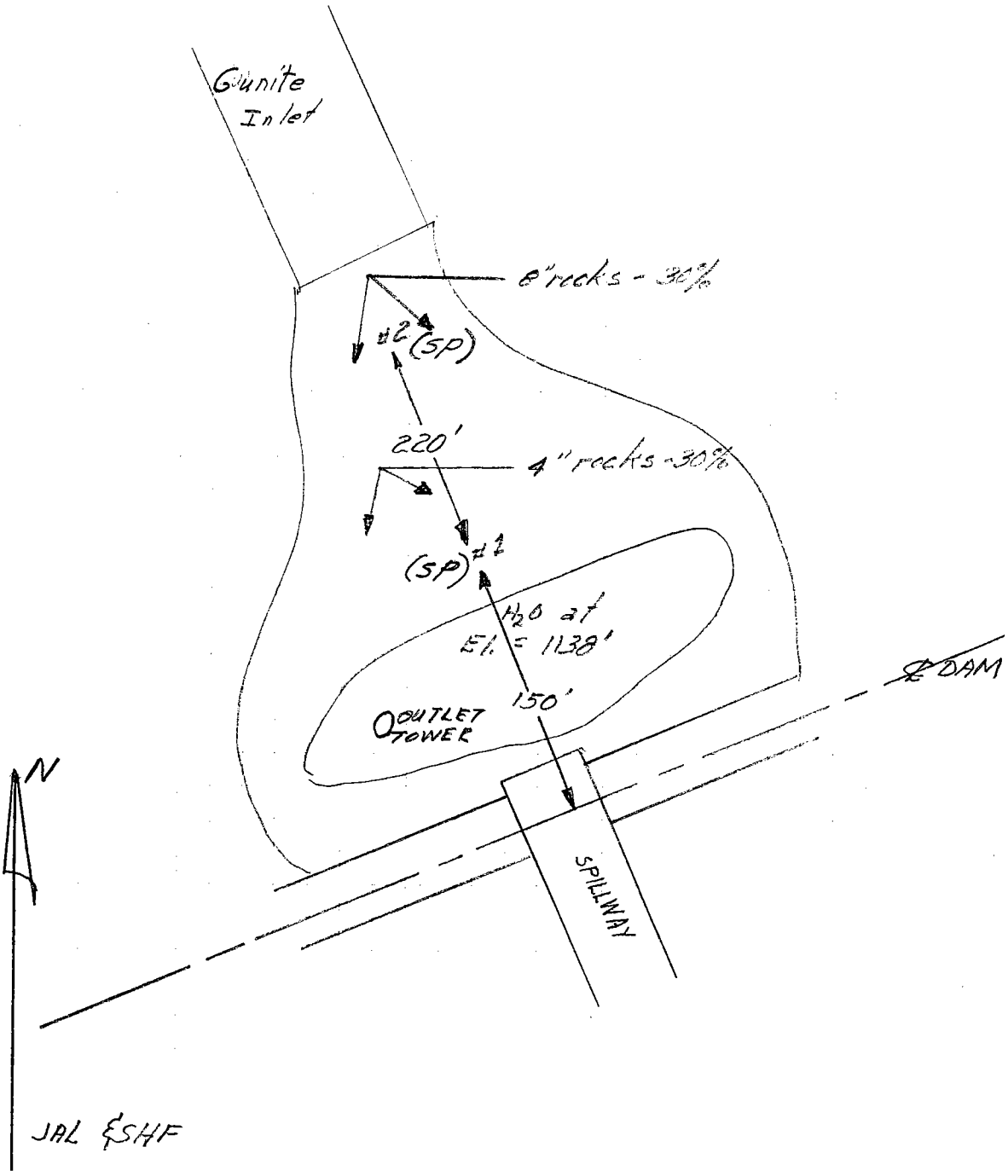
Bailey Debris Basin

Sketch from sketch 9



SP (3)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22883 — Total Weight of Sample 1,10 lbs.
Project BAILEY — grams.
Station — Moisture Content of Fines —%.
Location — Date Tested 2/20 Plotted By —
Boring No. — Sample No. — Remarks NP
Sampled By — Lab Tested By NE — 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	0.06		5.8	5.8		
No. 4	4.76	0.10	0.16	9.6	15.4	84.6	
Pan	0	0.94		xxxxx			
Total Fractions		1.10		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		0.88		84.6			
Total Oven-Dry		1.04		100.00			

Moisture Determination of Fines:
Cup No. 11
Dry Weight 168.2 grams
Moisture 6.4 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 94.0 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 111.1 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	13.9	12.5	27.9		
16	1.19	32.9	29.6	57.5		
30	0.59	27.1	24.4	81.9		
50	.297	10.7	9.6	91.5		
100	.149	5.6	5.0	96.5		
200	.074	1.7	1.5	98.1	1.9	
Pan	0	0.0	—			
Total Fractions		91.9				
Total Dry Weight After Wet Sieving 212.1		91.9	82.7			
Sieve Loss-Gain 120.2						

212.1

Calculated by JR Date 2/24/69
Checked by SHF 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. 22883

JOB BAILEY

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} 0.35 mm

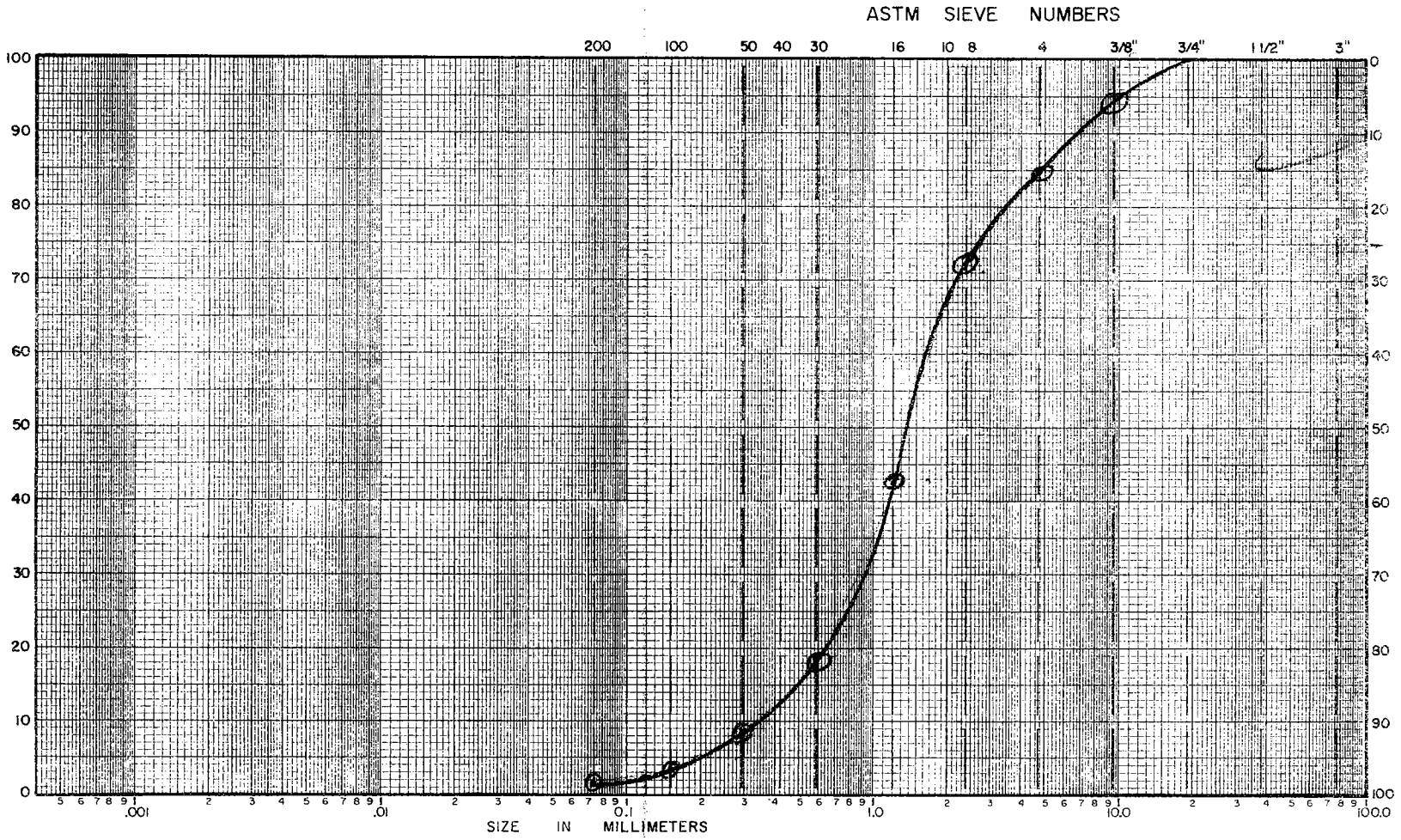
D_{30} 0.93 mm D_{60} 1.6 mm

$Cu = D_{60}/D_{10}$ 4.6 PLOTTED BY NR

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

GROUP SYMBOL _____ DATE 2/27/69

NOTE: D_X = PARTICLE DIA. AT X% PASSING



SP (3)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22984
Project BAILEY D.B.
Station
Location
Boring No. Sample No. 2
Sampled By JJB Lab Tested By FKNR

Total Weight of Sample lbs.
grams.
Moisture Content of Fines %.
Date Tested 3-3 Plotted By
Remarks
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		3.2	3.2		
3/8"	9.52	0.23		24.2	27.4		
No. 4	4.76	0.15	41	15.8	43.2	57.	
Pan	0	0.57		xxxxx			
Total Fractions		0.98		xxxxx			
Sieve Loss-Gain		—					
Calc. Oven-Dry Fines		0.54		57.			
Total Oven-Dry		0.55		100.00			

Moisture Determination of Fines:
Cup No. 59
Dry Weight 169.5 grams
Moisture 4.7 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 95.5 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 167.5 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	27.9	16.7	59.9		
16	1.19	28.3	16.9	76.8		
30	0.59	19.1	11.4	88.2		
50	.297	10.2	6.1	94.3		
100	.149	4.8	2.9	97.2		
200	.074	2.1	~~12~~ 1.3	~~98.4~~	~~16~~	
Pan	0	—	—	98.0	~~12~~ 2.0	
Total Fractions		92.4				
Total Dry Weight After Wet Sieving		91.8	54.8			
Sieve Loss-Gain		- 0.6				

Calculated by FK Date 3-5-69
Checked by SHF Date 3/6/69

Note: Cross out sieve numbers not used.

212.7
120.2

76S523—Cdb 10-68

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

MECHANICAL ANALYSIS

LAB. SERIAL NO. 32884

JOB BAILEY D.B

BORING NO. _____ SAMPLE NO. 2

STATION _____ DEPTH _____ FT.

LOCATION _____

SAMPLED BY JJB DATE _____

FIELD CLASSIFICATION _____ BY _____

PLAS. IND. _____ LIQ. LIM. _____

REMARKS NON-PLASTIC

30.6
7.75

CLASSIFICATION DATA

PERCENT (+) NO. 200 _____ PERCENT (+) NO. 4 _____

%(+)NO.4/%(+)NO. 200 _____ D_{10} 0.5 mm

D_{30} 1.6 mm D_{60} 5.5 mm

$Cu = D_{60}/D_{10}$ 11 PLOTTED BY MTV

$Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ 0.9 CHECKED BY SHF

GROUP SYMBOL SP DATE 3-5-69

NOTE: D_X = PARTICLE DIA. AT X% PASSING