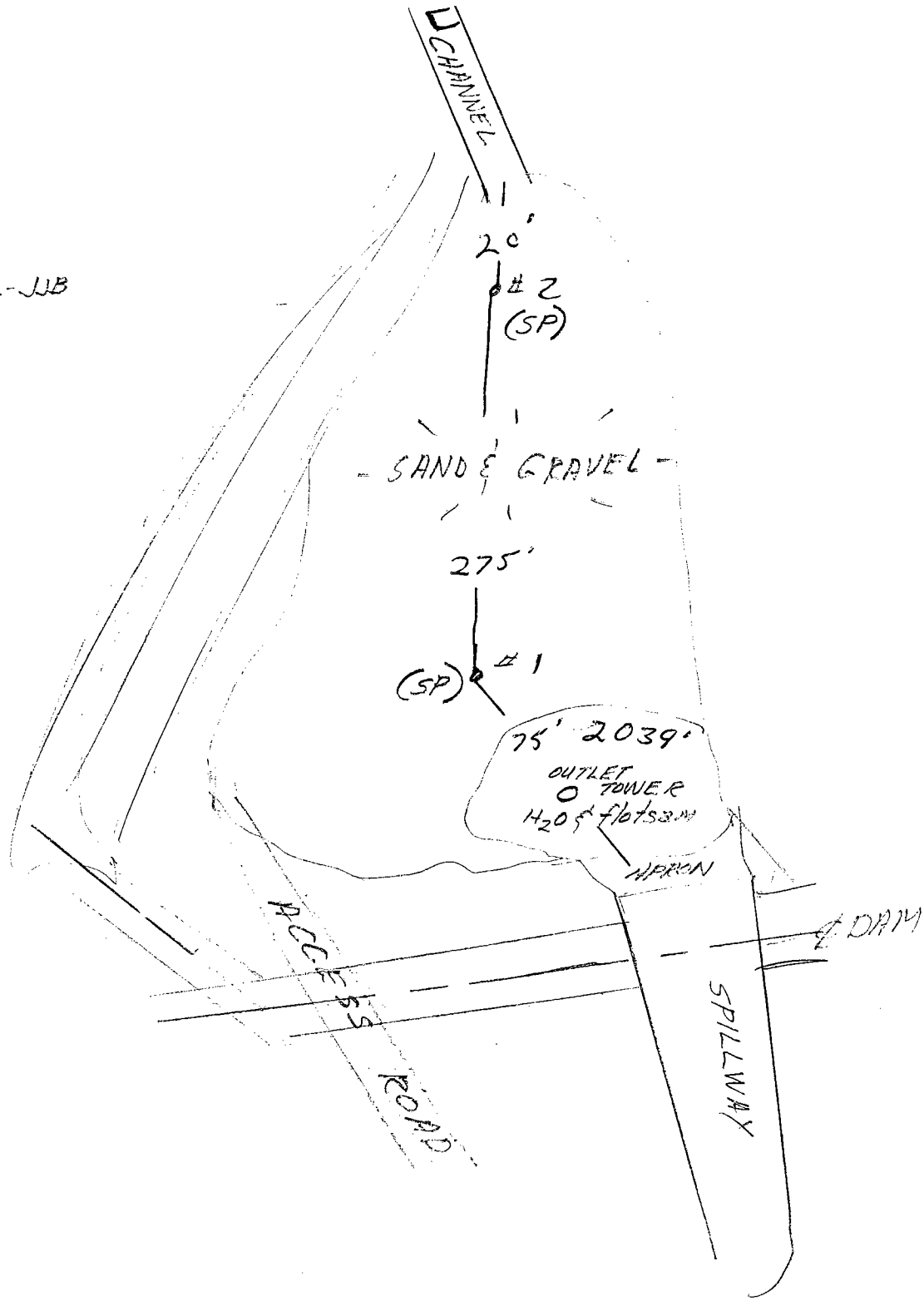


Blanchard Canyon Debris Basin 2/26/69



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LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SP ⑥

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22943 Total Weight of Sample 2.05 lbs.
 Project BLANCHARD CANYON _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 3/11 Plotted By _____
 Boring No. 1 Sample No. 1 Remarks NP
 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						
1½"	38.1						
(1")	(25.4)	.15		7.5	7.5		
¾"	19.1	.10		5.0	12.5		
⅜"	9.52	.20		10.1	22.6		
No. 4	4.76	.15	.60	7.5	30.1	69.9	
Pan	0	1.45		xxxxx			
Total Fractions		2.05		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.39		69.8			
Total Oven-Dry		1.99		100.00			

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

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 95.5 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 136.8 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	16.8	12.3	42.4		
16	1.19	34.7	25.4	67.8		
30	0.59	27.3	20.0	87.8		
50	.297	10.8	7.9	95.7		
100	.149	3.8	2.8	98.5		
200	.074	0.8	0.6	99.3	0.7	
Pan	0	0.1				
Total Fractions		94.3				
Total Dry Weight After Wet Sieving		214.8	94.6	69.2		
Sieve Loss-Gain		120.2	-.3			

Calculated by R Date 3/17/69
 Checked by RJT Date 3/20/69

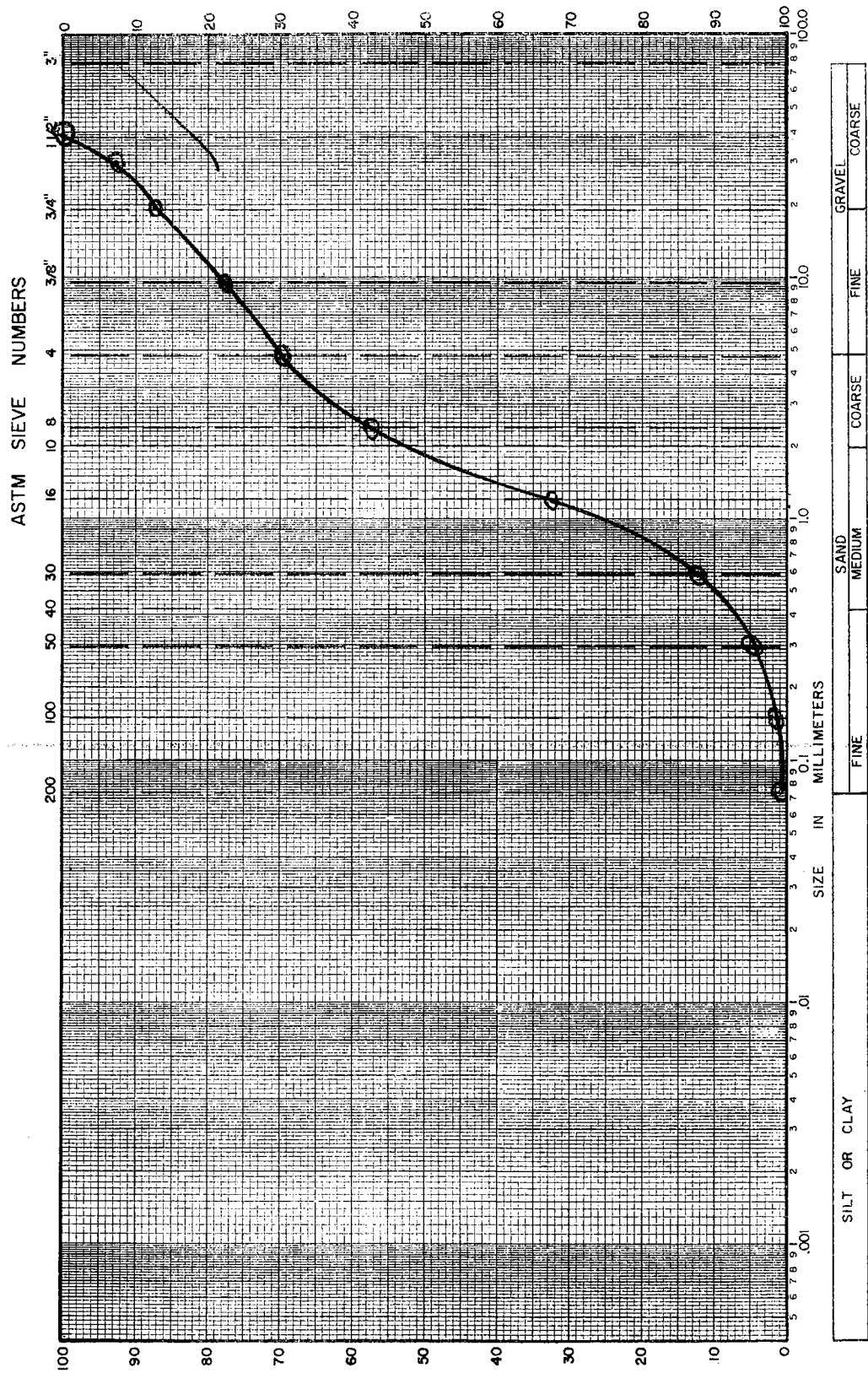
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22943
 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_{50} _____ mm
 D_{30} _____ mm D_{60} _____ mm
 $C_u = D_{60}/D_{10}$ _____ D_{10} _____ mm PLOTTED BY LR
 $C_c = (D_{30})^2 / (D_{10} \times D_{60})$ _____ CHECKED BY RT
 GROUP SYMBOL _____ DATE 3/20/20
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SP (16)

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22944 Total Weight of Sample 2.23 lbs.
 Project BLANCHARD CANYON _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 3/10/69 Plotted By _____
 Boring No. 2 Sample No. 1 Remarks NP
 Sampled By _____ Lab Tested By AR-JHC 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						
3/8"	9.52	0.01		0.5	0.5		
No. 4	4.76	0.03	0.4	1.5	2.0	97.9	
Pan	0	2.19		xxxxx			
Total Fractions		2.23		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.89		97.9			
Total Oven-Dry		1.93		100.00			

Moisture Determination of Fines:
Cup No. 3
Dry Weight 160.2 grams
Moisture 16.0 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 86.2 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 88.0 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	6.8	7.7	9.7		
16	1.19	26.8	30.5	40.2		
30	0.59	32.6	37.1	77.3		
50	.297	13.5	15.4	92.7		
100	.149	4.5	5.1	97.8		
200	.074	.9	1.2	98.8	1.2	
Pan	0	.1				
Total Fractions		85.2				
Total Dry Weight After Wet Sieving		205.4	85.2	96.8		
Sieve Loss-Gain		120.2				

Note: Cross out sieve numbers not used.

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

2.14
120.2
85.2

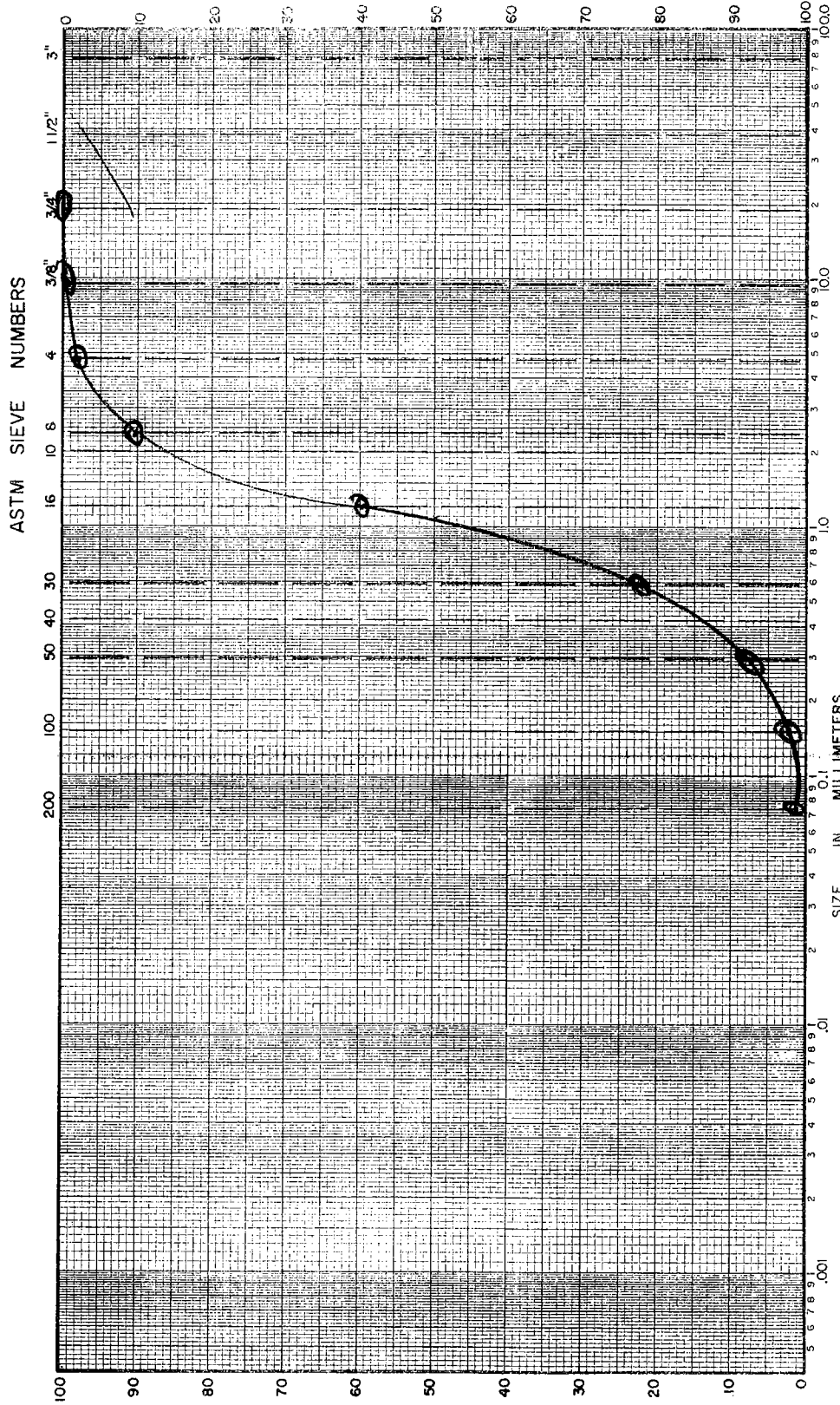
85.2

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

LAB. SERIAL NO. 22944
 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} 0.34 mm
 D_{30} _____ mm D_{60} 1.12 mm
 $C_u = D_{60}/D_{10}$ _____ PLOTTED BY RR
 $C_c = (D_{30})^2 / (D_{10} \times D_{60})$ _____ CHECKED BY RJT
 GROUP SYMBOL _____ DATE 3/20/69
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	FINE	SAND MEDIUM	COARSE	FINE	GRAVEL COARSE
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