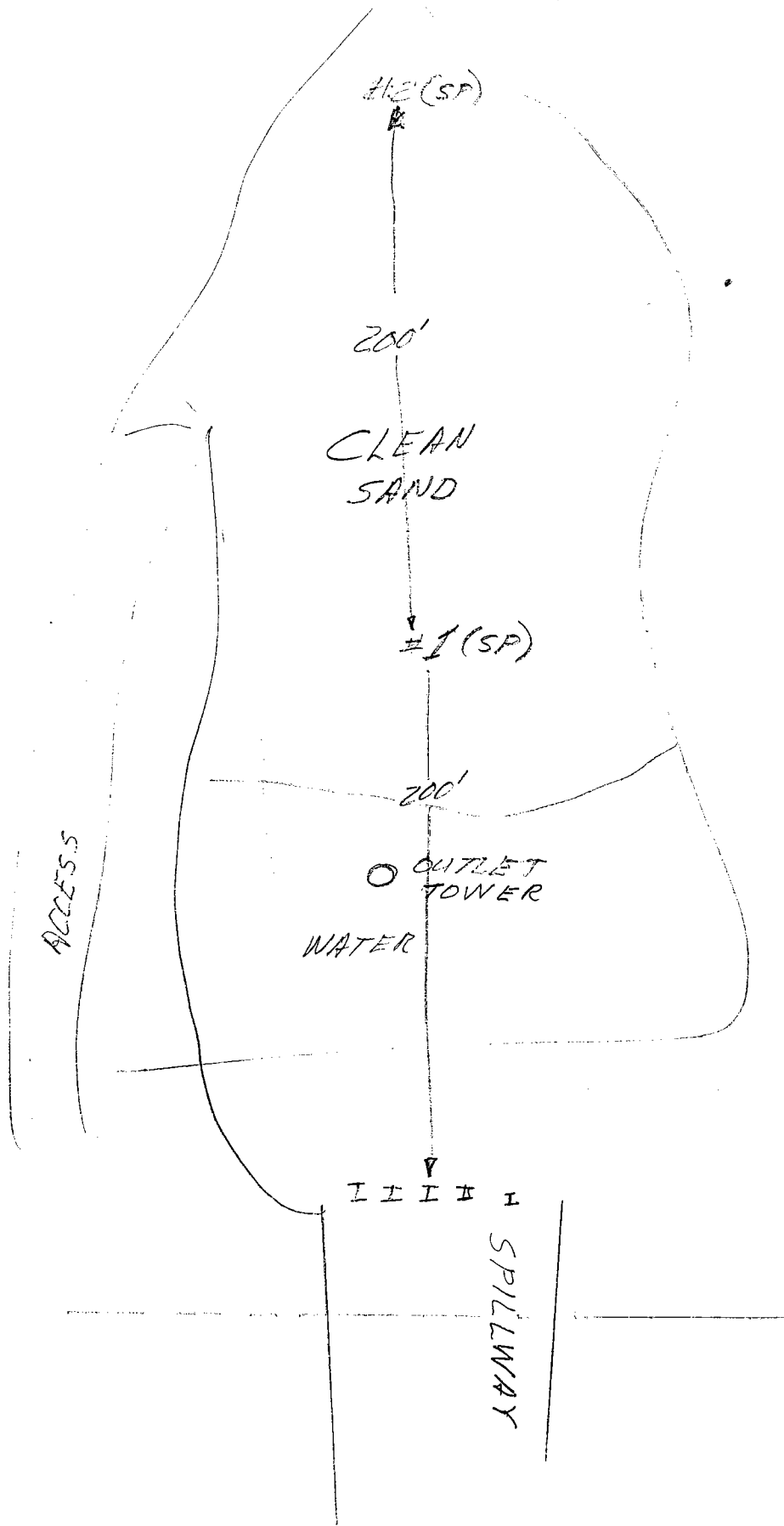


Blue Gum Canyon Channel

2/28/69  
JAL-JB

7



**LOS ANGELES COUNTY FLOOD CONTROL DISTRICT**  
Soils and Materials Engineering Division

SP ⑦

**SIEVE ANALYSIS WORK SHEET**

1.95

LAB SERIAL NO. 22982  
Project BLUE GUM  
Station \_\_\_\_\_  
Location \_\_\_\_\_  
Boring No. \_\_\_\_\_ Sample No. 1  
Sampled By \_\_\_\_\_ Lab Tested By NR-SHE

Total Weight of Sample \_\_\_\_\_ lbs.  
grams.  
Moisture Content of Fines \_\_\_\_\_ %.  
Date Tested 3/10/69 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						
1½"	38.1						
(1")	(25.4)						
¾"	19.1						
⅜"	9.52						
No. 4	4.76	<u>.06</u>		<u>3.51</u>	<u>3.5</u>	<u>96.5</u>	
Pan	0	<u>1.89</u>		xxxxx			
Total Fractions		<u>1.95</u>		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		<u>1.64</u>		<u>96.5</u>			
Total Oven-Dry		<u>1.70</u>		100.00			

Moisture Determination of Fines:  
Cup No. 61  
Dry Weight 160.8 grams  
Moisture 15.2 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 86.8 grams.  
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 89.8 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	<u>38.5</u>	<u>9.5</u>	<u>13.0</u>		
16	1.19	<u>17.9</u>	<u>19.9</u>	<u>32.9</u>		
30	0.59	<u>26.9</u>	<u>30.0</u>	<u>62.9</u>		
50	.297	<u>20.1</u>	<u>22.4</u>	<u>85.3</u>		
100	.149	<u>8.7</u>	<u>9.7</u>	<u>95.0</u>		
200	.074	<u>1.8</u>	<u>2.0</u>	<u>97.3</u>	<u>2.7</u>	
Pan	0	<u>0.3</u>				
Total Fractions		<u>84.2</u>				
Total Dry Weight After Wet Sieving		<u>204.4</u>	<u>84.2</u>	<u>93.8</u>		
Sieve Loss-Gain		<u>120.2</u>				

Calculated by NP Date 3/14/69  
Checked by SHE Date 3/8/69

Note: Cross out sieve numbers not used.

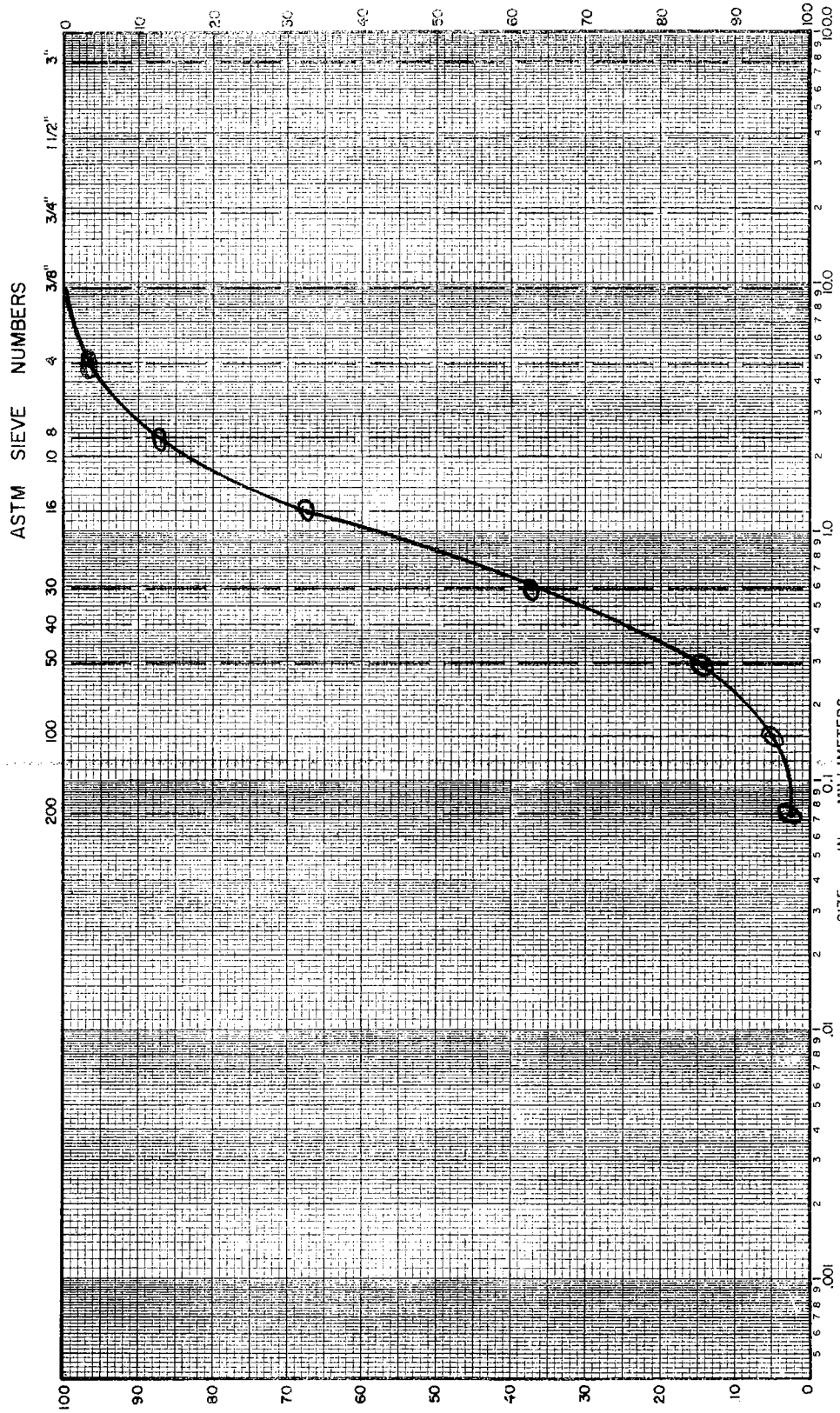
84.2

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

LAB. SERIAL NO. 22982  
 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 \_\_\_\_\_  $D_{10}$  0.22 mm  
 $D_{30}$  \_\_\_\_\_ mm  $D_{60}$  1.05 mm  
 $Cu = D_{60}/D_{10}$  4.77 PLOTTED BY AR  
 $Cc = (D_{30})^2 / (D_{10} \times D_{60})$  < 1 CHECKED BY SMP  
 GROUP SYMBOL SP DATE 3/8/69  
 NOTE:  $D_x$  = PARTICLE DIA. AT X% PASSING



SILT OR CLAY		SAND		GRAVEL	
FINE	MEDIUM	COARSE	FINE	COARSE	COARSE

①

SP / ⑦

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT  
Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22983  
Project BLUE GUM  
Station \_\_\_\_\_  
Location \_\_\_\_\_  
Boring No. \_\_\_\_\_ Sample No. 2  
Sampled By \_\_\_\_\_ Lab Tested By NR-SHE

Total Weight of Sample 2.08 lbs.  
grams.  
Moisture Content of Fines \_\_\_\_\_ %  
Date Tested 3/10/69 Plotted By \_\_\_\_\_  
Remarks AD  
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	.16		8.0	8.0		
⅜"	9.52	.17		8.5	16.5		
No. 4	4.76	.05	.38	2.5	19.0	80.9	
Pan	0	1.70		xxxxx			
Total Fractions		2.08		xxxxx	Moisture Determination of Fines:		
Sieve Loss-Gain					Cup No. <u>42</u>		
Calc. Oven-Dry Fines		1.61		80.9	Dry Weight <u>168.6</u> grams		
Total Oven-Dry		1.99		100.00	Moisture <u>5.7</u> %		

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 94.6 grams.  
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 117.1 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	4.9	4.2	23.2		
16	1.19	8.9	7.6	30.8		
30	0.59	20.3	24.2	55.0		
50	.297	20.7	24.5	79.5		
100	.149	17.7	15.1	94.6		
200	.074	4.8	4.1	98.6	1.4	
Pan	0	0.1				
Total Fractions		93.4				
Total Dry Weight After Wet Sieving		93.2		79.6		
Sieve Loss-Gain		+ .2				

2.34  
10.2  
93.2

Calculated by R Date 3/14/69  
Checked by SIF Date 3/18/69

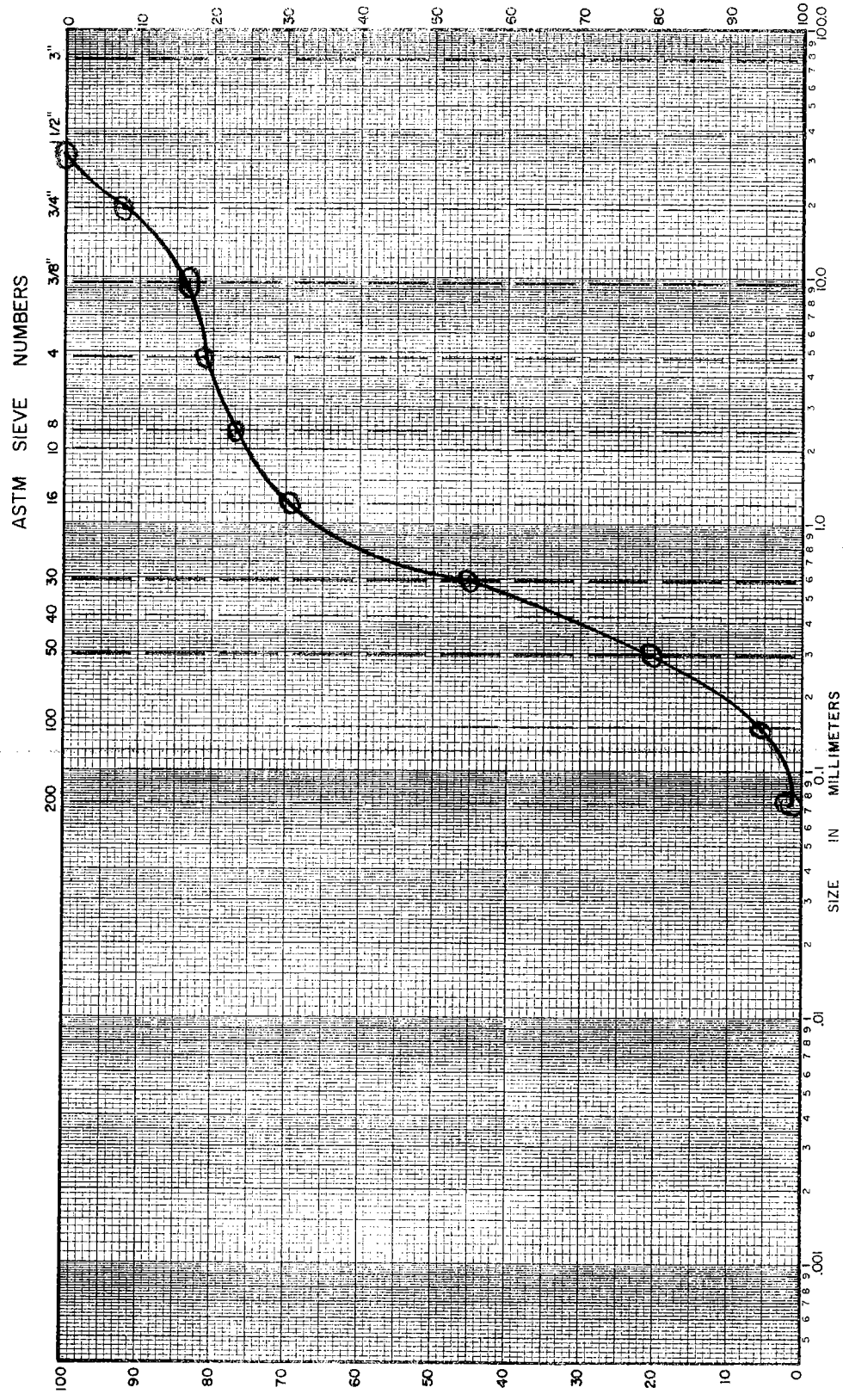
Note: Cross out sieve numbers not used.  
93.2

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

LAB. SERIAL NO. 22903  
 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 \_\_\_\_\_  $D_{10}$  0.19 mm  
 $D_{30}$  \_\_\_\_\_ mm  $D_{60}$  0.88 mm  
 $Cu = D_{60}/D_{10}$  4.2 PLOTTED BY AK  
 $Cc = (D_{30})^2 / (D_{10} \times D_{60})$  \_\_\_\_\_  
 GROUP SYMBOL SP CHECKED BY SPF  
 DATE 3/18/69  
 NOTE:  $D_x$  = PARTICLE DIA. AT X % PASSING



SILT OR CLAY	FINE	SAND MEDIUM	COARSE	FINE	GRAVEL COARSE
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