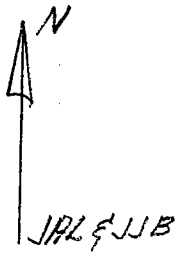
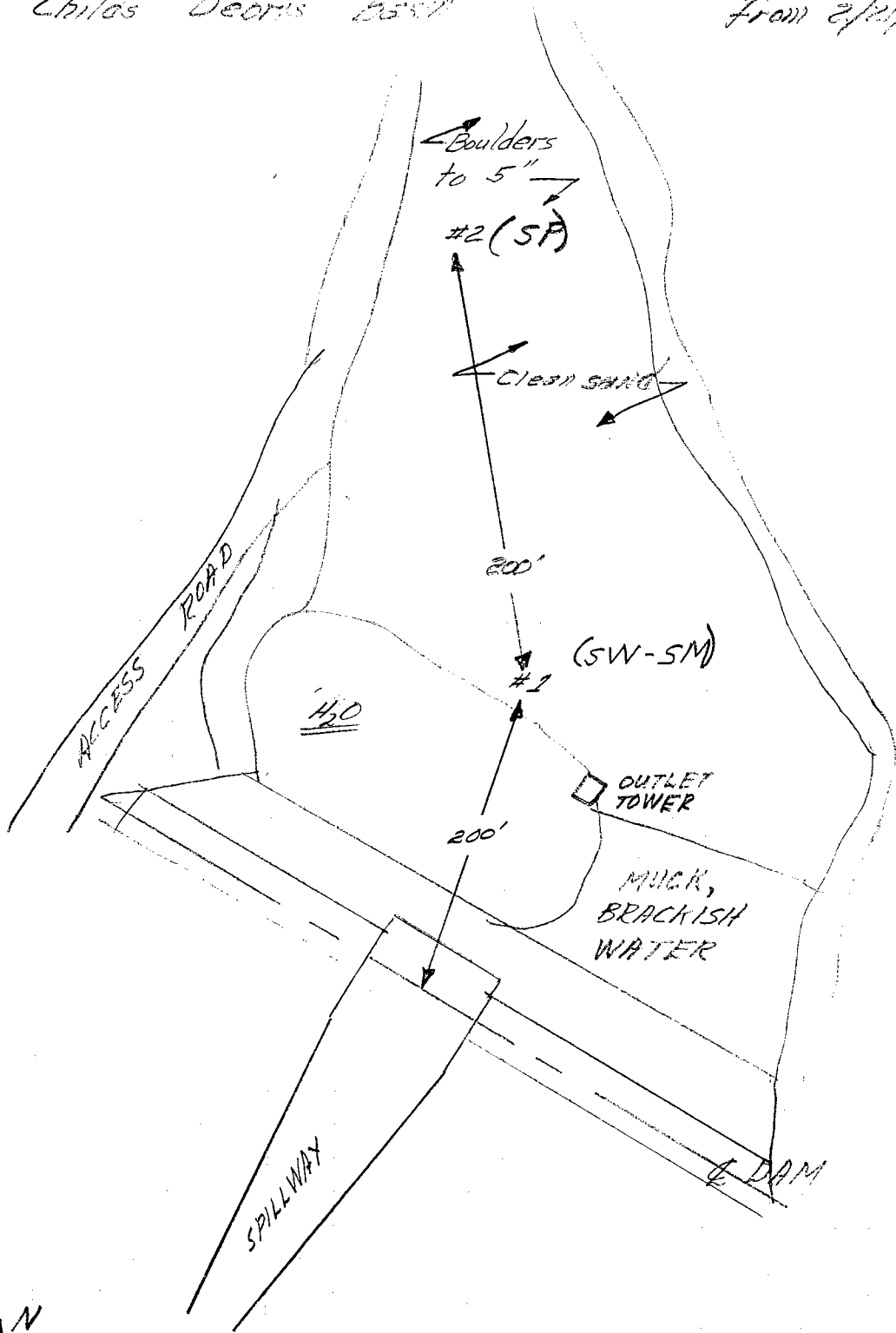


Childs Debris Basin

2/24/69  
from 2/21/69

(11)



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

SM-SW ⑪ ✓

**SIEVE ANALYSIS WORK SHEET**

LAB SERIAL NO. 22911  
Project CHILDS DB  
Station \_\_\_\_\_  
Location \_\_\_\_\_  
Boring No. 1 Sample No. \_\_\_\_\_  
Sampled By \_\_\_\_\_ Lab Tested By NR

Total Weight of Sample 1.36 lbs.  
\_\_\_\_\_ grams.  
Moisture Content of Fines \_\_\_\_\_ %.  
Date Tested 2/24 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	0.02		1.6	1.6	98.4	
Pan	0	1.34		xxxxx			
Total Fractions		1.36		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.23		98.4			
Total Oven-Dry		1.25		100.00			

Moisture Determination of Fines:  
Cup No. 12  
Dry Weight 165.9 grams  
Moisture 8.8 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 91.9 grams.  
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 93.4 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	8.7	9.3	10.9		
16	1.19	22.5	24.1	35.0		
30	0.59	22.1	23.7	58.7		
50	.297	14.9	16.0	74.7		
100	.149	10.2	10.9	85.6		
200	.074	4.6	4.9	90.6	9.4	
Pan	0	0.1				
Total Fractions		83.1				
Total Dry Weight After Wet Sieving		203.3	83.1	89.0		
Sieve Loss-Gain		120.2				

Calculated by NR Date 2/25/69  
Checked by SHF Date 2/27/69

Note: Cross out sieve numbers not used.

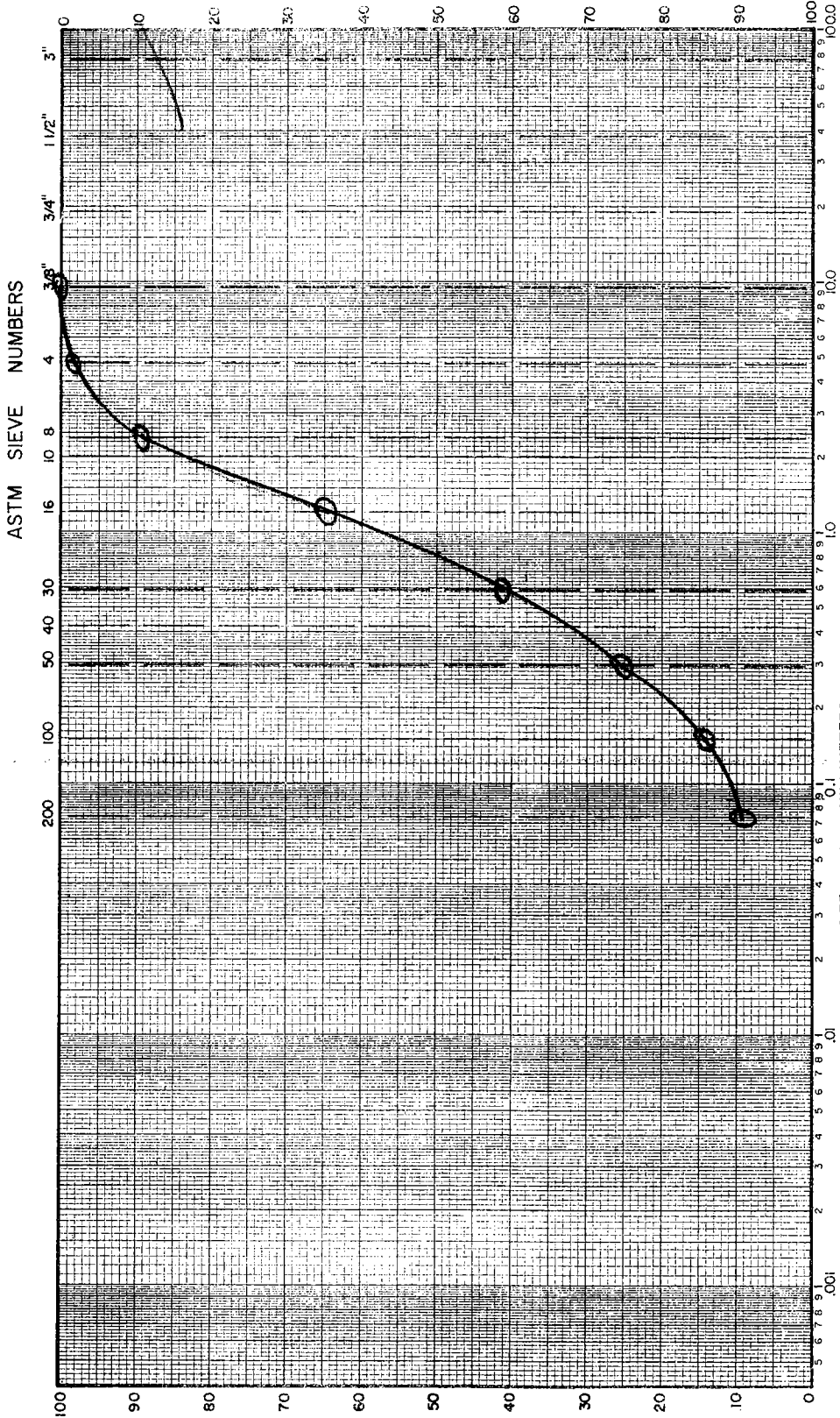
**LOS ANGELES COUNTY FLOOD CONTROL DISTRICT**  
Soils and Materials Engineering Division  
**MECHANICAL ANALYSIS**

LAB. SERIAL NO. 22911  
 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. 40 \_\_\_\_\_  
 % (+) NO. 4 / % (+) NO. 200 \_\_\_\_\_ D<sub>10</sub> 0.088 mm  
 D<sub>30</sub> 0.38 mm D<sub>60</sub> 1.1 mm  
 C<sub>u</sub> = D<sub>60</sub>/D<sub>10</sub> 12.5 PLOTTED BY AK  
 C<sub>c</sub> = (D<sub>30</sub>)<sup>2</sup> 1.5 CHECKED BY RJT  
1144 GROUP SYMBOL \_\_\_\_\_ DATE 2/27/68  
10968

NOTE: D<sub>x</sub> = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	FINE	SAND MEDIUM	COARSE	FINE	GRAVEL COARSE
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**LOS ANGELES COUNTY FLOOD CONTROL DISTRICT**  
Soils and Materials Engineering Division

SP ①

**SIEVE ANALYSIS WORK SHEET**

LAB SERIAL NO. 22912 Total Weight of Sample 0.99 lbs.  
 Project GHILDS DB \_\_\_\_\_ grams.  
 Station \_\_\_\_\_ Moisture Content of Fines \_\_\_\_\_ %.  
 Location \_\_\_\_\_ Date Tested 2/24 Plotted By \_\_\_\_\_  
 Boring No. 2 Sample No. \_\_\_\_\_ Remarks NP  
 Sampled By \_\_\_\_\_ Lab Tested By RP 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						
1 1/2"	38.1						
(1")	(25.4)						
3/4"	19.1						
3/8"	9.52	0.04		4.2	4.2		
No. 4	4.76	0.02	0.06	2.1	6.3	93.7	
Pan	0	0.93		xxxxx			
Total Fractions		0.99		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		0.89		93.7			
Total Oven-Dry		0.95		100.00			

Moisture Determination of Fines:  
 Cup No. 69  
 Dry Weight 170.2 grams  
 Moisture 4.0 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 96.2 grams.  
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 102.7 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	10.2	9.9	16.2		
16	1.19	22.3	21.7	32.9		
30	0.59	29.6	28.8	66.7		
50	.297	20.3	19.8	86.5		
100	.149	9.9	9.6	96.1		
200	.074	2.2	2.1	98.3	1.7	
Pan	0	0.0	-			
Total Fractions		94.5				
Total Dry Weight After Wet Sieving		214.7	94.5	92.0		
Sieve Loss-Gain		120.2				

Calculated by R Date 2/25/69  
 Checked by SHE 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. 2-2912

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<sub>10</sub> 0.25 mm

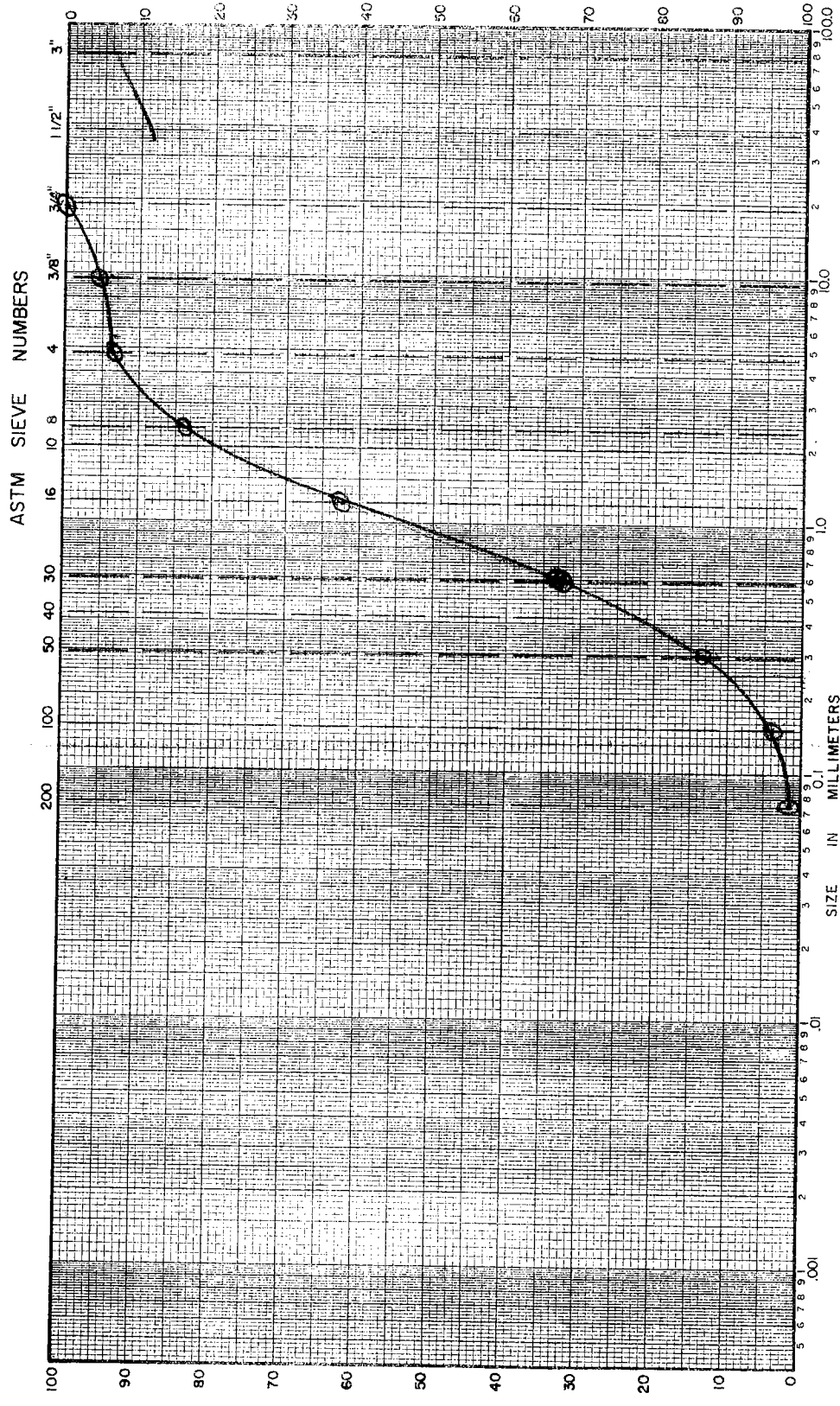
D<sub>30</sub> \_\_\_\_\_ mm D<sub>60</sub> 0.7 mm

Cu = D<sub>60</sub>/D<sub>10</sub> \_\_\_\_\_ PLOTTED BY NR

Cc = (D<sub>30</sub>)<sup>2</sup> / (D<sub>10</sub> x D<sub>60</sub>) \_\_\_\_\_ CHECKED BY RT

GROUP SYMBOL \_\_\_\_\_ DATE 2/27/69

NOTE: D<sub>x</sub> = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	SAND MEDIUM	GRAVEL COARSE
FINE	COARSE	FINE

(1)