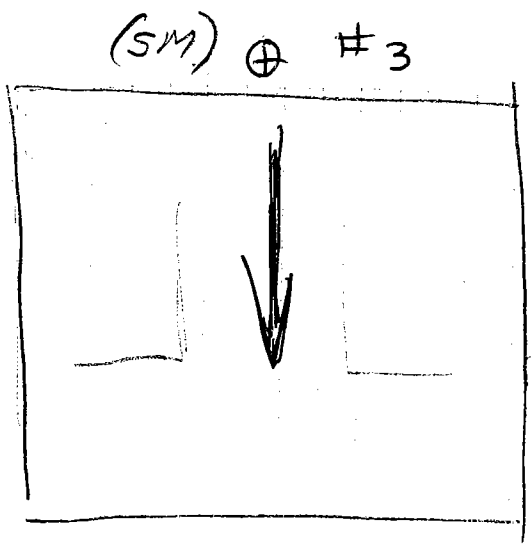


KINNELOA CN  
DEBBI'S BASIN

①



28

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

SM-SW

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22867

Total Weight of Sample 1.48 lbs.

Project KINNELOA D.B.

grams.

Station

Moisture Content of Fines %.

Location

Date Tested 3-6-69 Plotted By

Boring No. Sample No. 2

Remarks

Sampled By JJB Lab Tested By FK-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						
1 1/2"	38.1						
(1")	(25.4)						
3/4"	19.1	0.04		2.9	2.9		
3/8"	9.52	0.17		12.5	15.4		
No. 4	4.76	0.17	38	12.5	27.9	72.1	
Pan	0	1.10		xxxxx			
Total Fractions		1.48		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		0.98		72.1			
Total Oven-Dry		1.36		100.00			

Moisture Determination of Fines:

Cup No. 60  
Dry Weight 162.9 grams  
Moisture 12.5 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 88.9 grams.

WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 123.3 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	10.1	8.2	36.1		
16	1.19	19.1	15.5	51.6		
30	0.59	20.2	16.4	68.0		
50	.297	13.1	10.6	78.6		
100	.149	9.8	7.9	86.5		
200	.074	5.0	4.1	90.8	9.2	
Pan	0	0.1				
Total Fractions		77.4				
Total Dry Weight After Wet Sieving		197.7	62.9			
Sieve Loss-Gain		120.2				

Calculated by NR Date 3/14/69  
Checked by E.F. Date 3/14/69

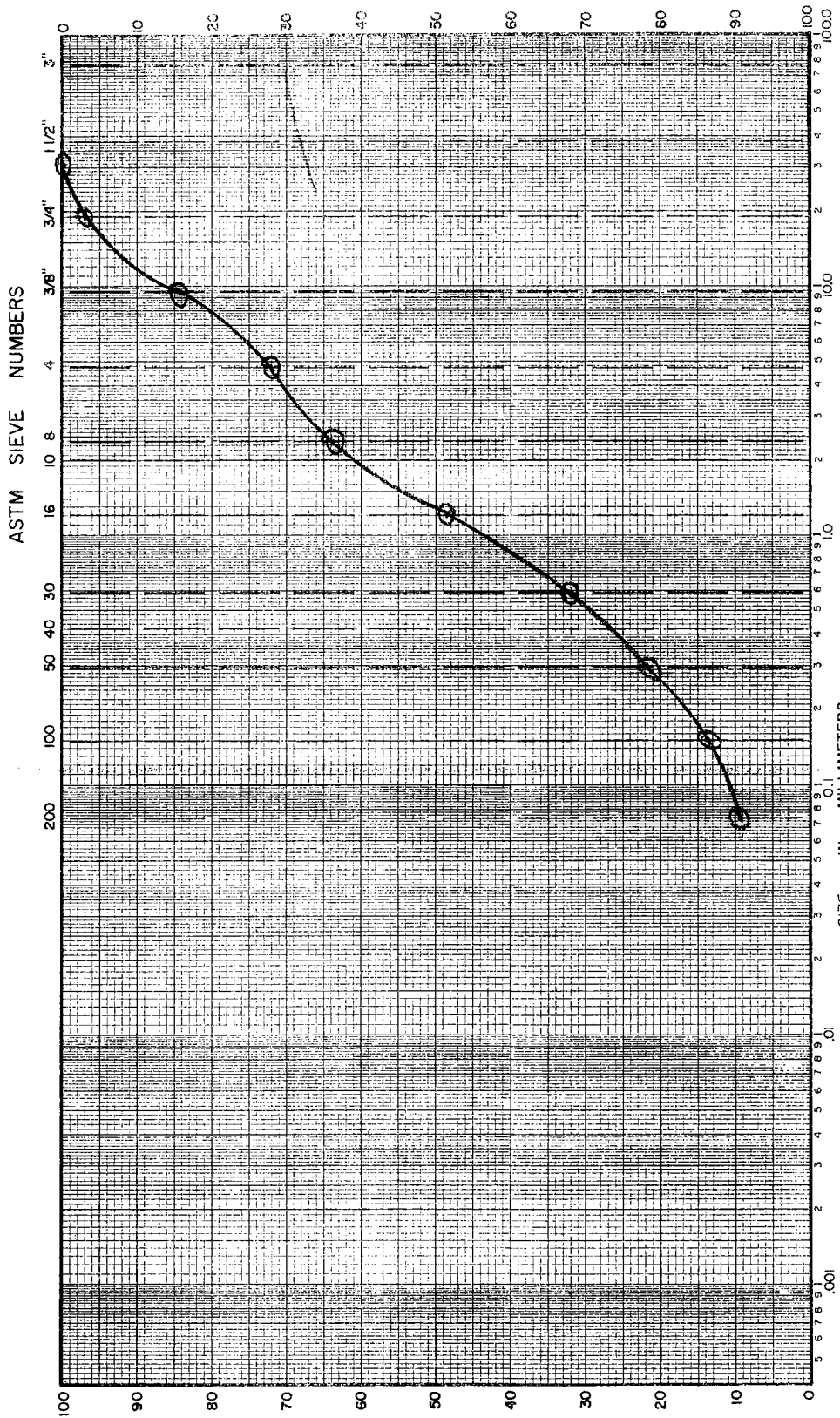
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22867  
 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> 0.86 mm  
 D<sub>30</sub> 0.52 mm D<sub>60</sub> 1.9 mm  
 C<sub>u</sub> = D<sub>60</sub>/D<sub>10</sub> 2.21 PLOTTED BY AS  
 C<sub>c</sub> = (D<sub>30</sub>)<sup>2</sup> / (D<sub>10</sub> x D<sub>60</sub>) 1.7 CHECKED BY RJT  
 GROUP SYMBOL \_\_\_\_\_ DATE 2/1/68  
 NOTE: D<sub>x</sub> = PARTICLE DIA. AT X% PASSING



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

SM-5W

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22870

Total Weight of Sample \_\_\_\_\_ lbs.

Project KINNELSA D.B.

\_\_\_\_\_ grams.

Station \_\_\_\_\_

Moisture Content of Fines \_\_\_\_\_ %.

Location \_\_\_\_\_

Date Tested 3-6-69 Plotted By \_\_\_\_\_

Boring No. \_\_\_\_\_ Sample No. \_\_\_\_\_

Remarks NP

Sampled By JJB Lab Tested By FK-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						
1 1/2"	38.1						
(1")	(25.4)						
3/4"	19.1						
3/8"	9.52	0.04		2.1	2.1		
No. 4	4.76	0.11	15	5.8	7.9	92.1	
Pan	0	1.98		xxxxx			
Total Fractions		2.13		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.76		92.1			
Total Oven-Dry		1.91		100.00			

Moisture Determination of Fines:

Cup No. 38  
Dry Weight 162.9 grams  
Moisture 12.5 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 88.9 grams.

WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 96.5 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	4.7	4.9	12.8		
16	1.19	19.2	19.9	32.7		
30	0.59	24.2	25.1	57.8		
50	.297	18.9	19.6	77.4		
100	.149	9.5	29.8	87.2		
200	.074	2.1	2.2	89.7	10.3	
Pan	0	0.4	-			
Total Fractions		79.0				
Total Dry Weight After Wet Sieving		199.1	78.9	81.8		
Sieve Loss-Gain		120.2	+ .1			

Calculated by NR Date 3/7/69  
Checked by SHF Date 3/10/69

Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22870  
 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> 2.07 mm  
 D<sub>30</sub> 0.40 mm D<sub>60</sub> 0.95 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 SHF  
1.60 1.067  
 GROUP SYMBOL \_\_\_\_\_ DATE 3/10/62  
 NOTE: D<sub>x</sub> = PARTICLE DIA. AT X% PASSING

