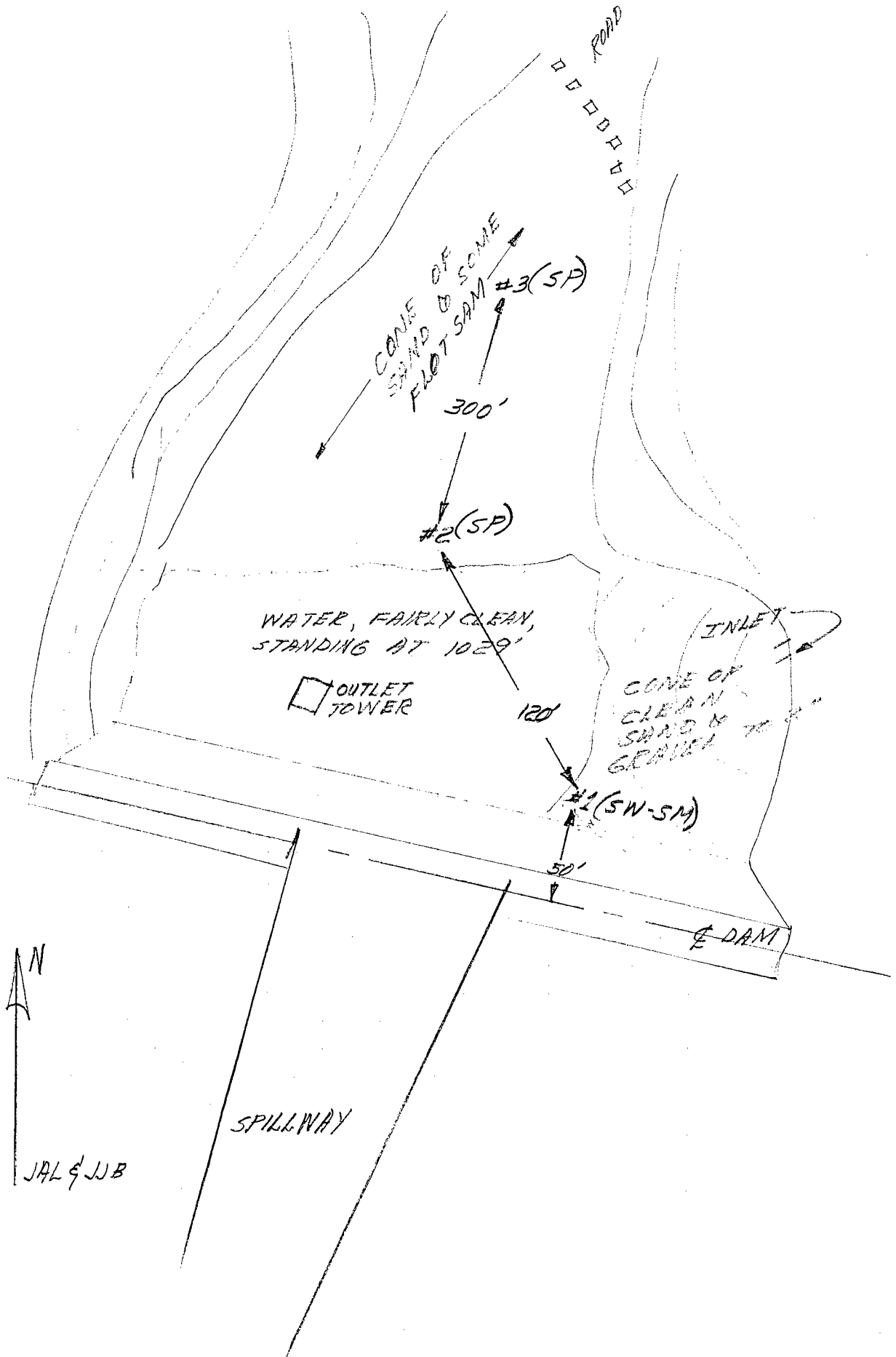


Sunset Debris Area
(lower)

2/24/69
From 2/2/69

(56)



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SM-SW

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22913 Total Weight of Sample 1.01 lbs.
Project LOWER SUNSET DB _____ grams.
Station _____ Moisture Content of Fines _____ %.
Location _____ Date Tested 3/5/69 Plotted By _____
Boring No. 1 Sample No. 1 Remarks AP
Sampled By VAL Lab Tested By AR-FK 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	0.14		14.9	14.9		
No. 4	4.76	0.23	37	24.5	39.4	60.6	
Pan	0	0.64		xxxxx			
Total Fractions		1.01		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		.57		60.6			
Total Oven-Dry		.94		100.00			

Moisture Determination
of Fines:

Cup No. 19
Dry Weight 163.3 grams
Moisture 12.0 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 89.3 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 147.4 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	22.7	15.4	54.8		
16	1.19	21.4	14.5	69.3		
30	0.59	14.1	9.6	78.9		
50	.297	7.6	5.2	84.1		
100	.149	5.6	3.8	87.9		
200	.074	5.7	3.9	93.0	7.0	
Pan	0	2.0				
Total Fractions		79.1				
Total Dry Weight After Wet Sieving		199.2	53.6			
Sieve Loss-Gain		120.2	1.1			

Calculated by MR Date 3/6/69
Checked by SHF Date 3/6/69

Note: Cross out sieve numbers not used.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

MECHANICAL ANALYSIS

LAB. SERIAL NO. 22913

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} 0.1 mm

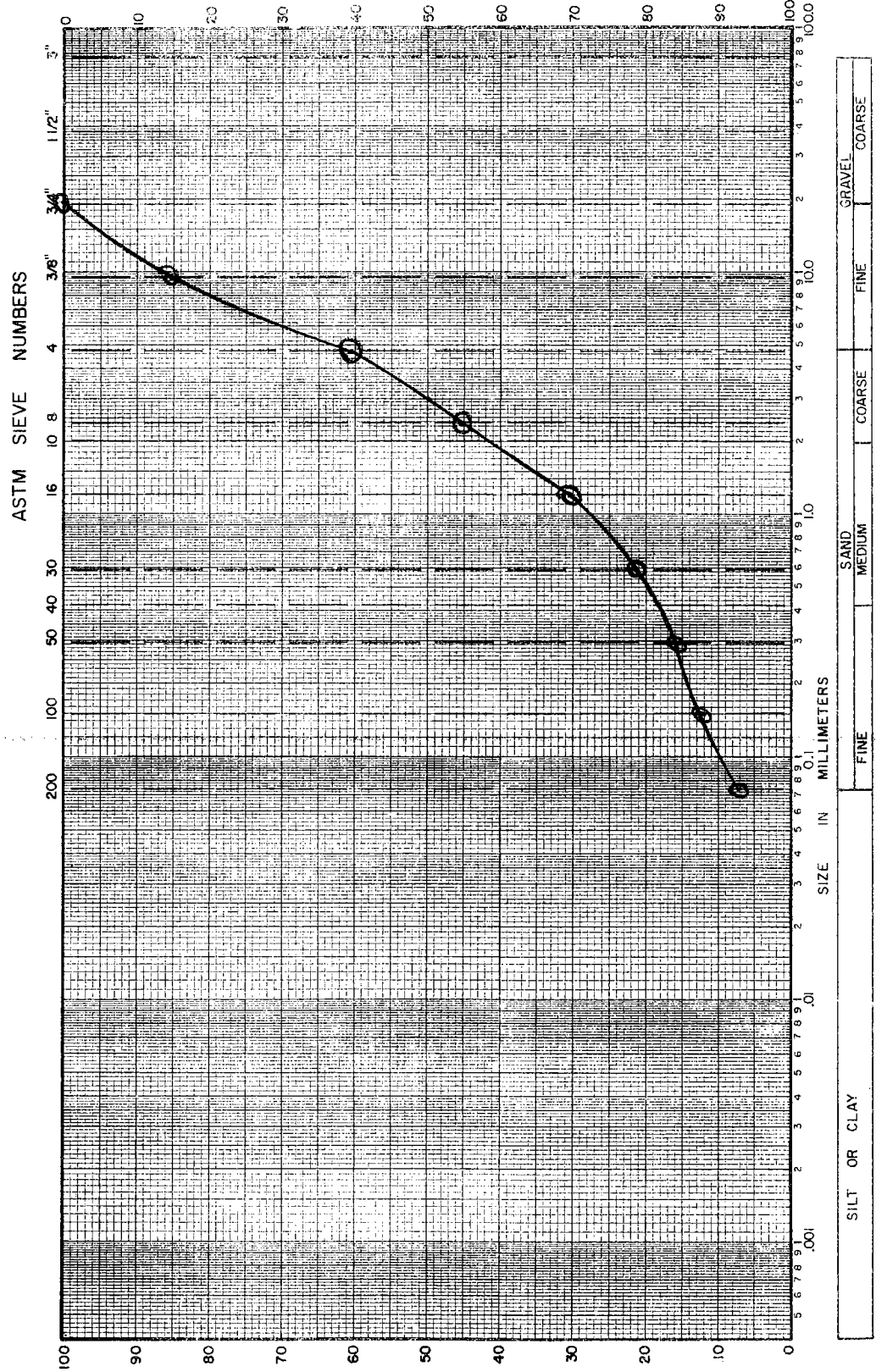
D_{30} 1.13 mm D_{60} 4.6 mm

$C_u = D_{60}/D_{10}$ _____ PLOTTED BY NR

$C_c = (D_{30})^2 / (D_{10} \times D_{60})$ 2.9 CHECKED BY SH

GROUP SYMBOL _____ DATE 3/6/60

NOTE: D_x = PARTICLE DIA. AT X% PASSING



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

SP 56

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22914

Total Weight of Sample 1.24 lbs.

Project LOWER SUNSET DB

grams.

Station _____

Moisture Content of Fines _____ %.

Location _____

Date Tested 3/3/69 Plotted By _____

Boring No. 2 Sample No. 1

Remarks AP

Sampled By _____

Lab Tested By MR FK

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	<u>0.03</u>		<u>2.5</u>	<u>2.5</u>		
No. 4	4.76	<u>0.06</u>	<u>.09</u>	<u>5.0</u>	<u>7.5</u>	<u>92.4</u>	
Pan	0	<u>1.15</u>		xxxxx			
Total Fractions		<u>1.24</u>		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		<u>1.10</u>		<u>92.4</u>			
Total Oven-Dry		<u>1.19</u>		<u>100.00</u>			

Moisture Determination
of Fines:

Cup No. 18

Dry Weight 169.3 grams

Moisture 4.9 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 95.3 grams.

WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 103.1 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	<u>7.9</u>	<u>7.7</u>	<u>15.2</u>		
16	1.19	<u>22.9</u>	<u>22.2</u>	<u>37.4</u>		
30	0.59	<u>28.0</u>	<u>27.2</u>	<u>64.6</u>		
50	.297	<u>19.2</u>	<u>18.6</u>	<u>83.2</u>		
100	.149	<u>11.9</u>	<u>11.5</u>	<u>94.7</u>		
200	.074	<u>4.2</u>	<u>4.1</u>	<u>98.5</u>	<u>1.5</u>	
Pan	0					
Total Fractions		<u>94.1</u>				
Total Dry Weight After Wet Sieving		<u>214.0</u>	<u>91.0</u>			
Sieve Loss-Gain		<u>120.2</u>	<u>5.3</u>			

Calculated by MR Date 3/3/69

Checked by SHE Date 3/3/69

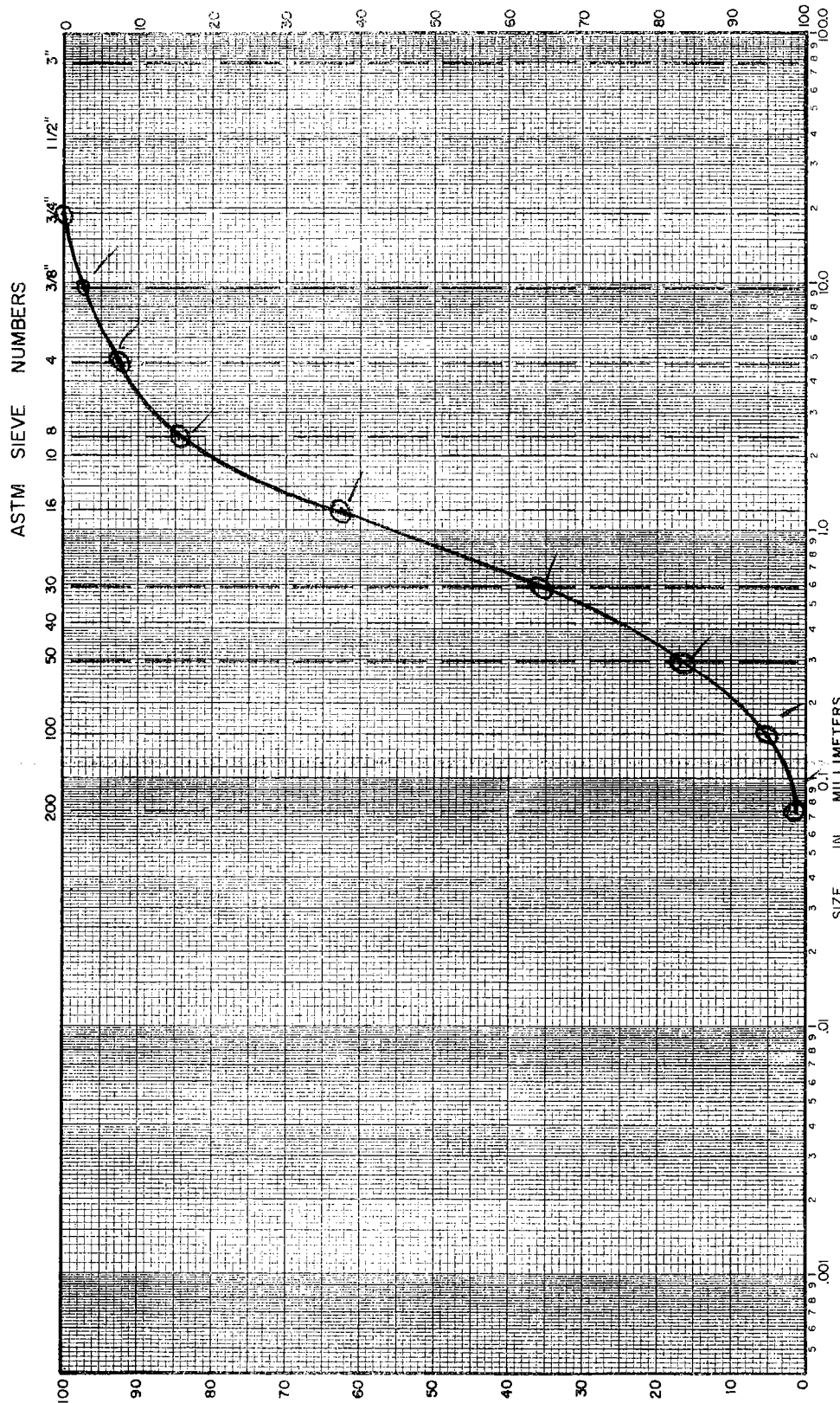
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22914
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 _____ D₁₀ _____ mm
D₃₀ _____ mm D₆₀ _____ mm PLOTTED BY ML
Cu = D₆₀/D₁₀ _____ CHECKED BY SHF
Cc = (D₃₀)² / (D₁₀ x D₆₀) _____ DATE 3/16/69
GROUP SYMBOL _____
NOTE: D_x = PARTICLE DIA. AT X% PASSING



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

56

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

SP (16)

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22915

Total Weight of Sample 1.24 lbs.

Project LOWER SUNSET DB

grams.

Station _____

Moisture Content of Fines _____ %.

Location _____

Date Tested 2/24 Plotted By _____

Boring No. 3 Sample No. _____

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)						
¾"	19.1						
⅜"	9.52						
No. 4	4.76	0.02		1.7	1.7	98.3	
Pan	0	1.22		xxxxx			
Total Fractions		1.24		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.15		98.3			
Total Oven-Dry		1.17		100.00			

Moisture Determination
of Fines:

Cup No. 58

Dry Weight 168.3 grams

Moisture 6.0 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 94.3 grams.

WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 95.9 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	2.1	2.2	3.9		
16	1.19	13.7	14.3	18.2		
30	0.59	26.2	27.3	45.5		
50	.297	25.8	26.9	72.4		
100	.149	19.0	19.8	92.2		
200	.074	4.8	5.0	97.2	2.8	
Pan	0	0.0				
Total Fractions		91.6				
Total Dry Weight After Wet Sieving		211.8	95.5			
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. 22915
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 _____ D₁₀ _____ mm
D₃₀ _____ mm D₆₀ _____ mm
C_u = D₆₀ / D₁₀ _____ PLOTTED BY RS
C_c = (D₃₀)² / (D₁₀ x D₆₀) _____ CHECKED BY RS
GROUP SYMBOL _____ DATE 2/27/
NOTE: D_x = PARTICLE DIA. AT X% PASSING

