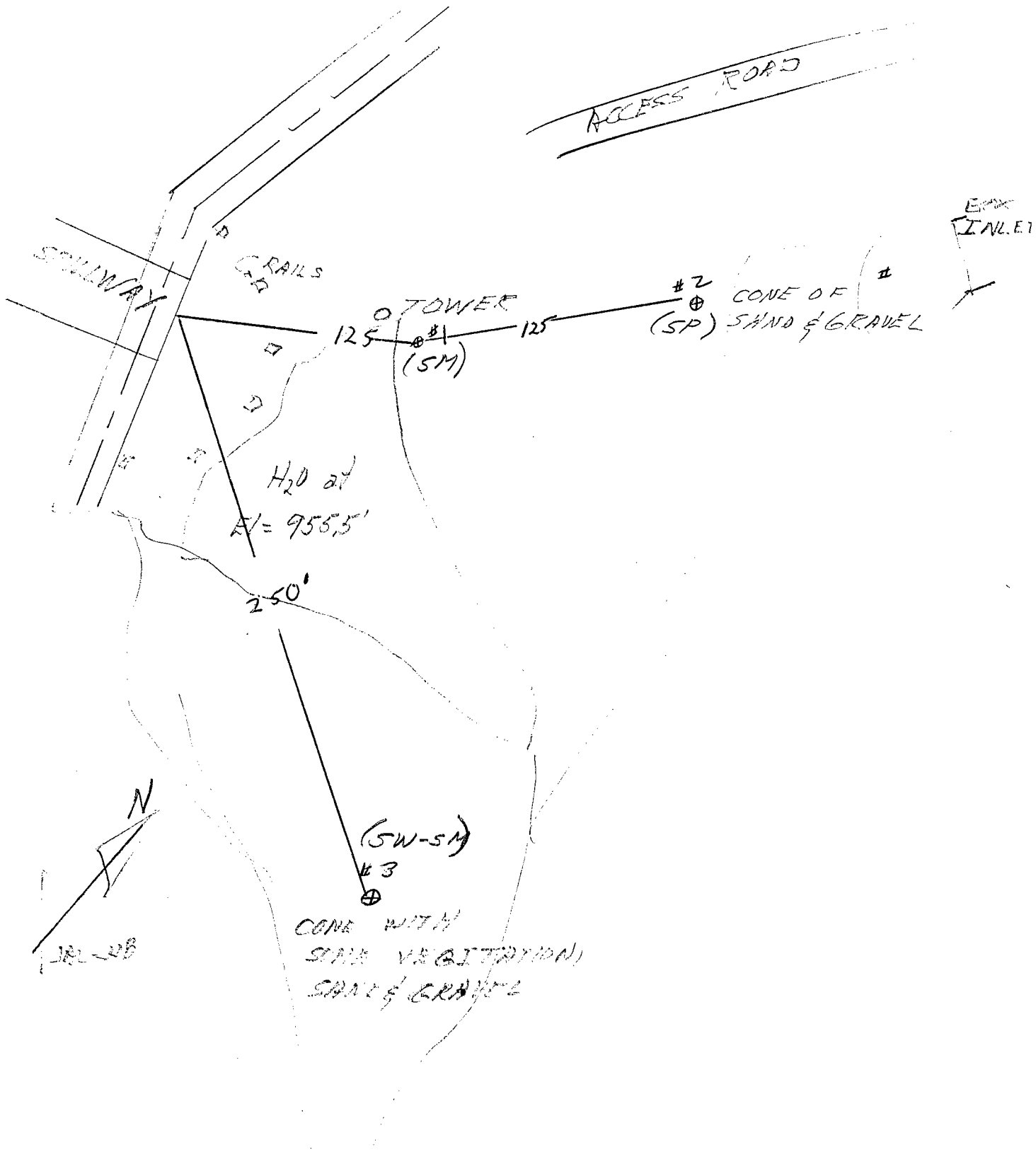


McClure Debris Field

39



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SM ⁽³⁹⁾

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22929 Total Weight of Sample 2.23 lbs.
 Project McCURE DB _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 3/12/69 Plotted By _____
 Boring No. 1 Sample No. _____ Remarks IR
 Sampled By _____ Lab Tested By IR 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	.09		4.8	4.8		
No. 4	4.76	.23	32	12.2	17.0	83.0	
Pan	0	1.91		xxxxx			
Total Fractions		2.23		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.57		83.0			
Total Oven-Dry		1.89		100.00			

Moisture Determination
of Fines:
Cup No. 42
Dry Weight 156.1 grams
Moisture 21.8 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 82.1 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 98.9 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	11.7	11.8	28.8		
16	1.19	12.3	12.4	41.3		
30	0.59	6.0	6.1	47.4		
50	.297	5.2	5.3	52.7		
100	.149	12.0	12.1	64.8		
200	.074	14.3	14.5	80.0	20.0	
Pan	0	0.5				
Total Fractions		62.0				
Total Dry Weight After Wet Sieving		182.5	63.0			
Sieve Loss-Gain		120.2	- .3			

Calculated by IR Date 3/19/69
 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

SP (39)

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22930 Total Weight of Sample 2.38 lbs.
 Project MCCURE DB _____ grams.
 Station _____ Moisture Content of Fines _____ %.
 Location _____ Date Tested 3/18 Plotted By _____
 Boring No. 2 Sample No. 1 Remarks AP
 Sampled By _____ Lab Tested By AR 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	<u>22</u>		<u>9.7</u>	<u>9.7</u>		
⅜"	9.52	<u>.31</u>	<u>2.38</u>	<u>13.7</u>	<u>23.4</u>		
No. 4	4.76	<u>29</u>	<u>.82</u>	<u>12.8</u>	<u>36.2</u>	<u>63.8</u>	
Pan	0	<u>1.56</u>		xxxxx			
Total Fractions		<u>2.38</u>		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		<u>1.44</u>		<u>63.8</u>			
Total Oven-Dry		<u>2.26</u>		<u>100.00</u>			

Moisture Determination of Fines:
 Cup No. 65
 Dry Weight 166.1 grams
 Moisture 8.6 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 92.2 grams.
 WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 144.7 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	<u>16.7</u>	<u>11.5</u>	<u>47.7</u>		
16	1.19	<u>22.9</u>	<u>15.8</u>	<u>63.5</u>		
30	0.59	<u>18.9</u>	<u>13.1</u>	<u>76.6</u>		
50	.297	<u>13.8</u>	<u>9.5</u>	<u>86.1</u>		
100	.149	<u>10.9</u>	<u>7.5</u>	<u>93.6</u>		
200	.074	<u>4.9</u>	<u>3.4</u>	<u>97.1</u>	<u>2.9</u>	
Pan	0	<u>—</u>				
Total Fractions		<u>88.1</u>				
Total Dry Weight After Wet Sieving		<u>208.3</u>	<u>88.1</u>	<u>60.9</u>		
Sieve Loss-Gain		<u>120.2</u>				

Calculated by AR Date 3/18/69
 Checked by RJT Date 3/20/69

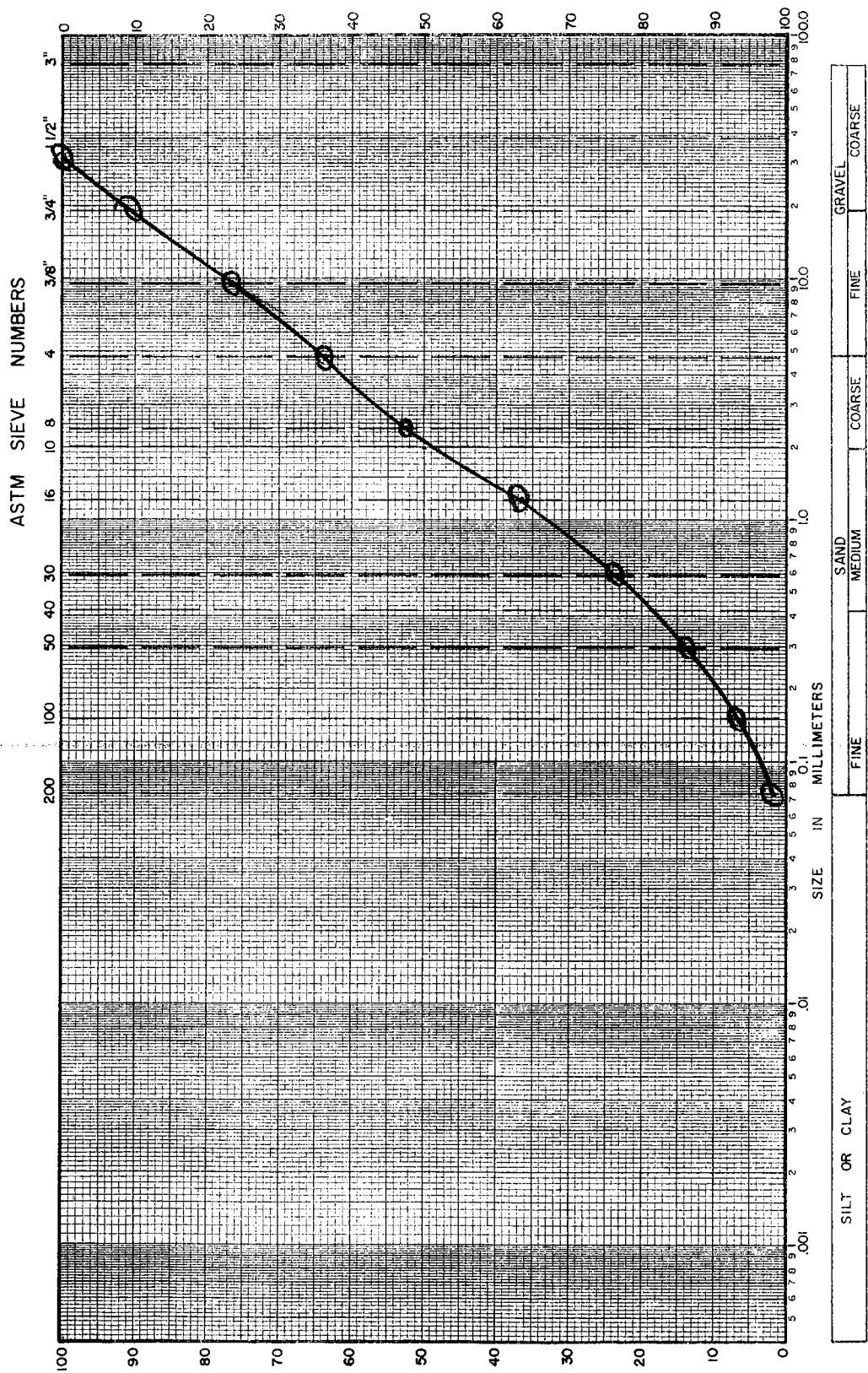
Note: Cross out sieve numbers not used.

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

LAB. SERIAL NO. 22930
 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} 0.21 mm
 D_{30} 0.85 mm D_{60} 3.5 mm
 $C_u = D_{60}/D_{10}$ 16.7 PLOTTED BY NR
 $C_c = (D_{30})^2 / (D_{10} \times D_{60})$ _____ CHECKED BY RT
1735 GROUP SYMBOL _____ DATE 3/20/69
 NOTE: D_x = PARTICLE DIA. AT X% PASSING



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SM-SW ✓
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SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22931
Project McClure DB
Station _____
Location _____
Boring No. 3 Sample No. 1
Sampled By _____ Lab Tested By NR

Total Weight of Sample 2.55 lbs.
_____ grams.
Moisture Content of Fines _____ %.
Date Tested 3/18/69 Plotted By _____
Remarks _____
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	0.05		2.1	2.1		
⅜"	9.52	0.23		9.7	11.8		
No. 4	4.76	0.24	52	10.1	21.9	78.2	
Pan	0	2.03		xxxxx			
Total Fractions		2.55		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.86		78.2			
Total Oven-Dry		2.38		100.00			

Moisture Determination of Fines:
Cup No. 23
Dry Weight 165.7 grams
Moisture 9.1 %

WEIGHT, GRAMS 100 FINES (Minus No. 4) (CALC.) OVEN-DRY WEIGHT 91.8 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 117.4 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING	
					ACTUAL	SPEC. REQ.
8	2.38	75.4	13.1	35.0		
16	1.19	29.8	25.4	60.4		
30	0.59	19.0	16.2	76.6		
50	.297	10.0	8.5	85.1		
100	.149	6.8	5.8	90.9		
200	.074	4.1	3.5	94.6	5.4	
Pan	0	0.0				
Total Fractions		85.1				
Total Dry Weight After Wet Sieving		205.6	85.4	72.7		
Sieve Loss-Gain		120.2	-0.3			

Calculated by NR Date 3/18/69
Checked by RJT Date 3/20/69

Note: Cross out sieve numbers not used.

