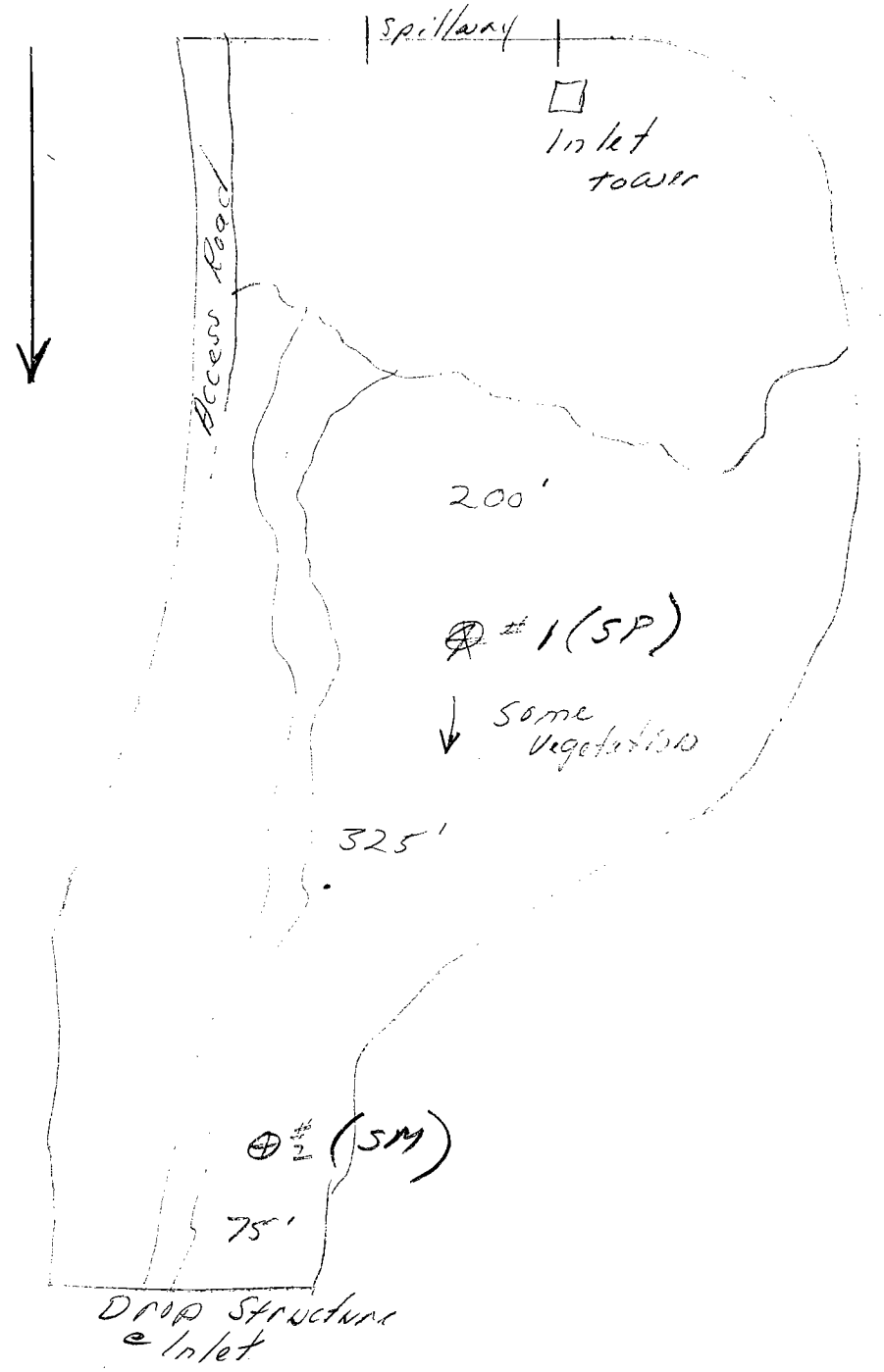
Schoolhouse DS



SP (48)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22960 — Total Weight of Sample 2.04 lbs.
Project School Houses — grams.
Station — Moisture Content of Fines %.
Location — Date Tested 3/10/69 Plotted By
Boring No. — Sample No. — Remarks NP
Sampled By — Lab Tested By NR-JHE — Intended Use

GRAVEL (Plus No. 4)

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED LBS.	RETAINED GRAMS	% OF TOTAL OVEN-DRY RETAINED	ACCUM. % RETAINED	ACCUM. % PASSING ACTUAL	ACCUM. % PASSING SPEC. REQ.
3"	76.2						
1½"	38.1						
(1")	(25.4)						
3/4"	19.1						
3/8"	9.52	.28		15.4	15.4		
No. 4	4.76	.23	.51	12.6	28.0	72.0	
Pan	0	1.53		xxxxx			
Total Fractions		2.04		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.31		72.0			
Total Oven-Dry		1.82		100.00			

Moisture Determination of Fines:
Cup No. 35
Dry Weight 159.7 grams
Moisture 16.7 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 — (CALC.) OVEN-DRY WEIGHT 85.6 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 118.9 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING ACTUAL	ACCUM. % PASSING SPEC. REQ.
8	2.38	11.1	9.3	37.3		
16	1.19	13.6	11.4	48.7		
30	0.59	19.0	16.0	64.7		
50	.297	21.2	17.8	82.5		
100	.149	13.8	11.6	94.1		
200	.074	3.8	3.2	97.9	2.1	
Pan	0	0.3				
Total Fractions		82.8				
Total Dry Weight After Wet Sieving 203.3		83.1	69.9			
Sieve Loss-Gain 120.2		−.3				

203.3 − 120.2 = 83.1

Calculated by NR Date 3/14/69
Checked by SHF Date 3/18/69

Note: Cross out sieve numbers not used.

83.1

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

MECHANICAL ANALYSIS

LAB. SERIAL NO. 22960

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} 0.20 mm

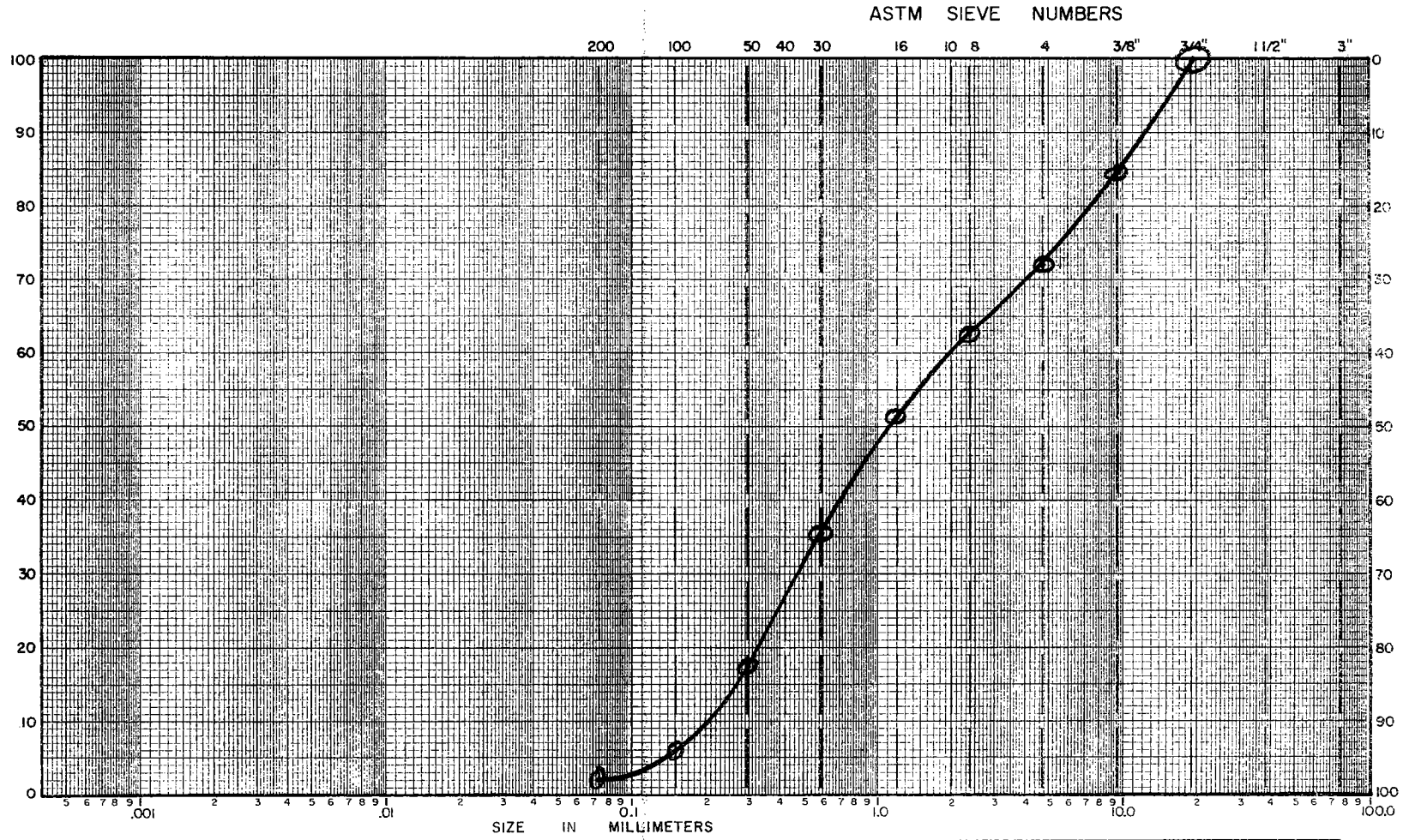
D_{30} .47 mm D_{60} 2.0 mm

$Cu = D_{60}/D_{10}$ 10 PLOTTED BY NR

$Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ < 1 CHECKED BY SAF

GROUP SYMBOL SP DATE 3/18/60

NOTE: D_X = PARTICLE DIA. AT X% PASSING



SM (48)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22961 — Total Weight of Sample 1,40 lbs.
Project SCHOOLHOUSE — grams.
Station — Moisture Content of Fines %.
Location — Date Tested 3/18 Plotted By
Boring No. — Sample No. 2 — Remarks
Sampled By — Lab Tested By — Intended Use

GRAVEL (Plus No. 4)

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED LBS.	RETAINED GRAMS	% OF TOTAL OVEN-DRY RETAINED	ACCUM. % RETAINED	ACCUM. % PASSING ACTUAL	ACCUM. % PASSING SPEC. REQ.
3"	76.2						
1½"	38.1						
(1")	(25.4)						
3/4"	19.1	08		6.3	6.3		
3/8"	9.52	10		7.8	14.1		
No. 4	4.76	10	28	7.8	21.9	78.1	
Pan	0	1.12		xxxxx			
Total Fractions				xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		1.00		78.1			
Total Oven-Dry		1.28		100.00			

Moisture Determination of Fines:
Cup No. 56
Dry Weight 1628 grams
Moisture 12.6 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 (CALC.) OVEN-DRY WEIGHT 88.8 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 113.6 grams.

ASTM SIEVE NUMBER	SIZE (mm)	RETAINED GRAMS	% OF TOTAL SAMPLE RETAINED	ACCUM. % OF TOTAL RETAINED	ACCUM. % PASSING ACTUAL	ACCUM. % PASSING SPEC. REQ.
8	2.38	7.4	6.5	28.4		
16	1.19	10.0	8.8	37.2		
30	0.59	12.5	11.0	48.2		
50	.297	13.1	11.6	59.8		
100	.149	12.0	10.6	70.4		
200	.074	8.8	7.8	78.7	21.3	
Pan	0	0.2				
Total Fractions		64.0				
Total Dry Weight After Wet Sieving 184.7		64.5	56.8			
Sieve Loss-Gain 120.2		-.5				

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

Note: Cross out sieve numbers not used.