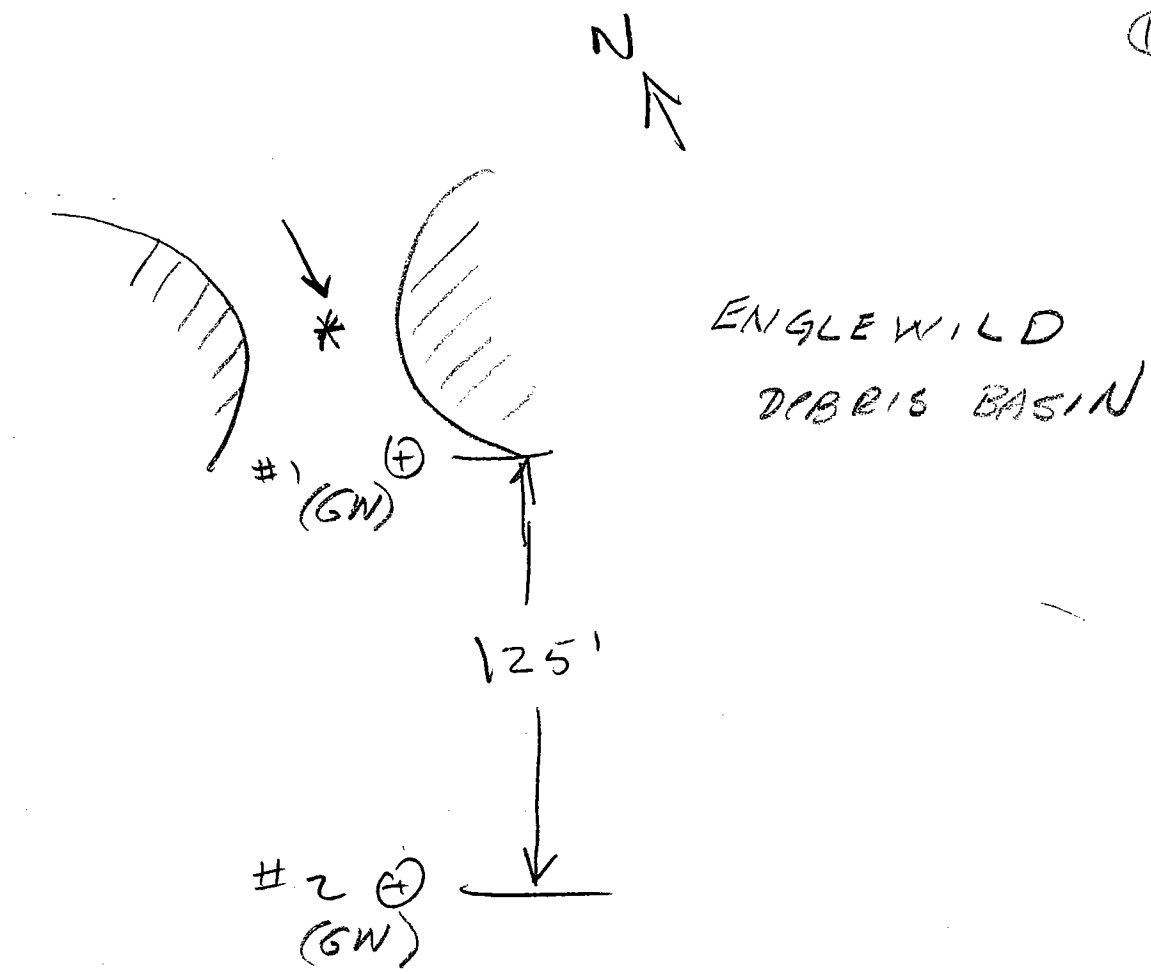


* where NATURAL STREAM ENTERS BASIN
APPROX 60% MAT'L > 4"

(16)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

GW

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22860 — Total Weight of Sample 1.32 lbs.
Project ENGLEWOOD — grams.
Station — Moisture Content of Fines —%.
Location — Date Tested 3/12 Plotted By —
Boring No. — Sample No. 1 — Remarks A
Sampled By — Lab Tested By AR — 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)	12		9.5	9.5		
3/4"	19.1	18		14.3	23.8		
3/8"	9.52	25	1	19.8	43.6		
No. 4	4.76	15	.70	11.9	55.5	44.4	
Pan	0	62		xxxxx			
Total Fractions		1.32		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		.56		44.4			
Total Oven-Dry		1.26		100.00			

Moisture Determination of Fines:
Cup No. 50
Dry Weight 1636 grams
Moisture 11.6 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 — (CALC.) OVEN-DRY WEIGHT 89.6 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 202.0 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	22.4	11.1	66.6		
16	1.19	26.1	12.9	79.5		
30	0.59	14.2	7.0	86.5		
50	.297	7.8	3.9	90.4		
100	.149	5.9	2.9	93.3		
200	.074	3.5	1.7	95.2	4.8	
Pan	0	0.0				
Total Fractions		79.9				
Total Dry Weight After Wet Sieving 200.4		80.2	39.7			
Sieve Loss-Gain 120.2		-0.3				

Note: Cross out sieve numbers not used.

80.2

Calculated by AR Date 3/17/69
Checked by SHF Date 3/18/69

76S523—Cdb 10-68

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

MECHANICAL ANALYSIS

LAB. SERIAL NO. 22860

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} .33 mm

D_{30} 2.0 mm D_{60} 11.0 mm

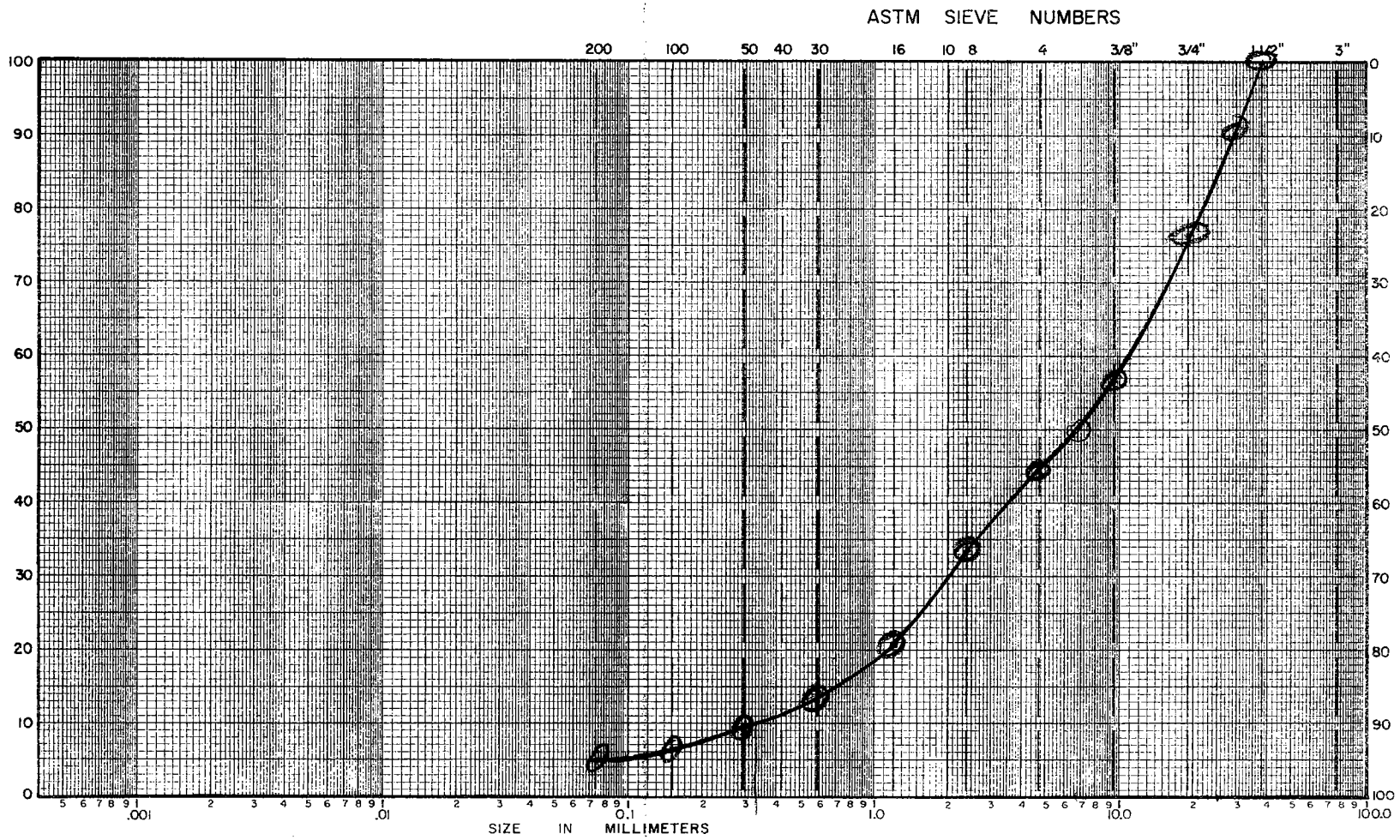
$Cu = D_{60}/D_{10}$ 33.4 PLOTTED BY NR

$Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ 1.1 CHECKED BY SHF

4.00 / 3.63

GROUP SYMBOL GW DATE 3/18/69

NOTE: D_X = PARTICLE DIA. AT X% PASSING



6

SW (16)

SW

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22861 — Total Weight of Sample 1.38 lbs.
Project ENGLEWILD D.B. — grams.
Station — Moisture Content of Fines %.
Location — Date Tested 2/28 Plotted By FK
Boring No. — Sample No. 2 — Remarks NP
Sampled By JJB — Lab Tested By FK-NR — 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	0.14		11.1	11.1		
No. 4	4.76	0.14		11.1	22.2	77.8	
Pan	0	1.10	.3%	xxxxx			
Total Fractions		1.38		xxxxx			
Sieve Loss-Gain		—		—			
Calc. Oven-Dry Fines		0.98		77.8			
Total Oven-Dry		1.26		100.00			

Moisture Determination of Fines:
Cup No. G3
Dry Weight 63.4 grams
Moisture 11.9 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 — (CALC.) OVEN-DRY WEIGHT 89.4 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 114.9 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	15.9	13.8	36.0		
16	1.19	35.8	31.2	67.2		
30	0.59	20.3	17.7	84.9		
50	.297	9.1	7.9	92.8		
100	.149	4.2	3.7 ~~3.6~~	~~96.4~~ 96.5		
200	.074	1.4	1.2	97.6	2.4	
Pan	0	—				
Total Fractions		86.7				
Total Dry Weight After Wet Sieving		86.6	75.4			
Sieve Loss-Gain		-0.1				

Calculated by FK Date 3-5-69
Checked by SHF Date 3/6/69

Note: Cross out sieve numbers not used.

208.3
120.2

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Soils and Materials Engineering Division

MECHANICAL ANALYSIS

LAB. SERIAL NO. 228c.1

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 .4

%(+)NO.4/%(+)NO. 200 _____ D_{10} 0.14 mm

D_{30} 0.60 mm D_{60} 2.2 mm

1.2

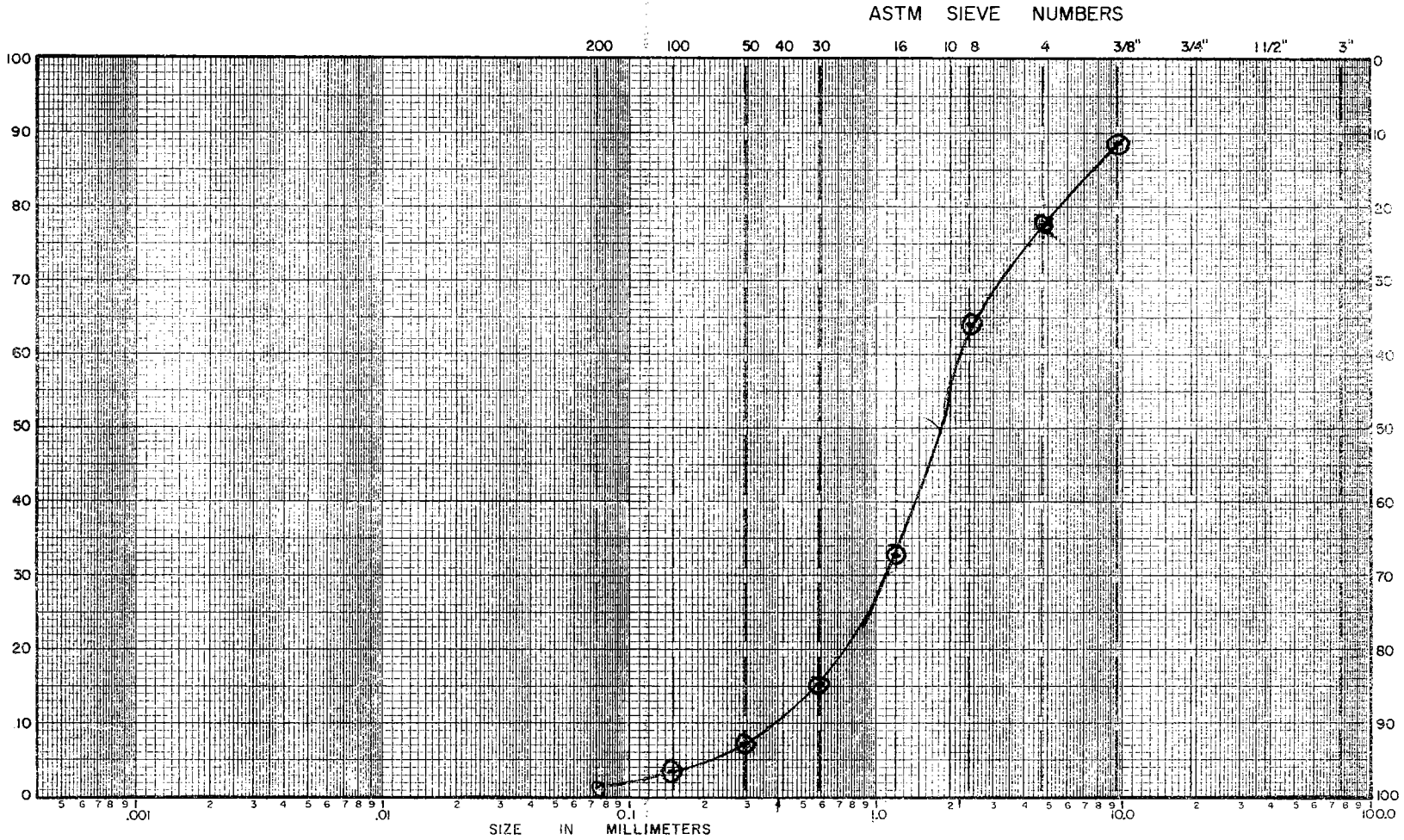
$Cu = D_{60}/D_{10}$ 15.5 PLOTTED BY EK

1.44 / .88

$Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ 1.63 CHECKED BY SHF

GROUP SYMBOL _____ DATE 2/16/62

NOTE: D_X = PARTICLE DIA. AT X% PASSING



SW (16)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Soils and Materials Engineering Division

SIEVE ANALYSIS WORK SHEET

LAB SERIAL NO. 22862 — Total Weight of Sample 1.27 lbs.
Project ENGLEWILD — grams.
Station — Moisture Content of Fines — %.
Location — Date Tested 3/3/69 Plotted By
Boring No. — Sample No. 3 — Remarks AP
Sampled By — Lab Tested By MR-FK — 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	.05		4.6	4.6		
No. 4	4.76	.12	.17	11.1	15.7	84.3	
Pan	0	1.10		xxxxx			
Total Fractions		1.27		xxxxx			
Sieve Loss-Gain							
Calc. Oven-Dry Fines		0.91		84.3			
Total Oven-Dry		1.08		100.00			

Moisture Determination of Fines:
Cup No. 14
Dry Weight 156.6 grams
Moisture 21.1 %

FINES (Minus No. 4)

WEIGHT, GRAMS 100 — (CALC.) OVEN-DRY WEIGHT 82.6 grams.
WEIGHT OF TOTAL SAMPLE REPRESENTED BY FINES, OVEN-DRY 98.0 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	8.8	9.0	24.7		
16	1.19	23.9	24.4	49.1		
30	0.59	21.8	22.2	71.3		
50	.297	16.9	17.2	~~88.6~~	88.5	
100	.149	8.0	8.2	~~96.8~~	96.7	
200	.074	2.1	2.1	98.8	1.2	
Pan	0	0.1				
Total Fractions		81.6				
Total Dry Weight After Wet Sieving 201.6		81.4	83.1			
Sieve Loss-Gain 120.2		+.2				

201.6
120.2

Calculated by MR Date 3/3/69
Checked by SHF 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. 22862

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} .165 mm D_{60} 1.4 mm

$Cu = D_{60}/D_{10}$ 7.0 PLOTTED BY NR

$Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ 1.5 CHECKED BY SH

GROUP SYMBOL DATE 3/3/69

NOTE: D_X = PARTICLE DIA. AT X% PASSING

,422
,280