



MINUS 80 000 µm SIEVE ANALYSIS

Project	From	To
Pit Name	Pit Location	
Project Manager	Contractor	
Crusher Type	Hours Worked _____ h Output _____ t	

MAT 6-27/95

Sample Appearance

SOFT ROCK	9	COAL	9
CLAY LUMPS	9	IRON NODULES	9
PEA GRAVEL	9	ENCRUSTED	9
ESTIMATED DRY STRENGTH OF FINES			
NON- PLASTIC:	TRACE		9
	LOW		9
	MEDIUM		9
	HIGH		9
ESTIMATED PERCENT OF + 80 000 µm			
PIT RUN AGGREGATE _____ %			

Moisture Content of -16 000 µm Aggregate

A	WT. OF WET SAMPLE + PAN	g	
B	WT. OF DRY SAMPLE + PAN		
C	WT. OF WATER	A - B	
D	WT. OF PAN (NO. _____)		
E	WT. OF DRY SAMPLE	B - D	g
F	MOISTURE CONTENT	100 I / E	%

Washed Sieve Analysis of Split Sample

G	WT. OF WET SAMPLE + PAN	g	
H	WT. OF PAN (NO. _____)	g	
I	WT. OF WET SAMPLE	G - H	g
J	WT. OF DRY SAMPLE	100 I / (100+F)	g

SIEVE SIZE (µm)	K	L	M
	WEIGHT RETAINED g	WEIGHT PASSING g	% PASSING 100 L / J
10 000			
5 000			
1 250			
630			
315			
160			
80			
MATERIAL IN PAN			
TOTAL WT.			
DRY WASH WT.			
DIFFERENCE			
% DIFFERENCE			

- 80 000 µm Aggregate Sample

N	WT. RETAINED ON 16 000 µm + TARE	g	
O	TARE (NO. _____)	g	
P	WT. RETAINED ON 16 000 µm	N - O	g
Q	WET WT. PASSING 16 000 µm + TARE		g
R	WET WT. PASSING 16 000 µm	Q - O	g

S	DRY WT. PASSING 16 000 µm	100R / (100 + F)	g	
T	TOTAL WT. OF SAMPLE	P + S	g	
U	PERCENT PASSING 16 000 µm	100 S / T	g	

Sieve Analysis of - 80 000 to +16 000 µm Aggregate

SIEVE SIZE µm	V	W	X	Y
	WEIGHT RETAINED g	WEIGHT PASSING g	PERCENT PASSING 100 W / T	CONTRACT SPECS.
80 000		(T)	100	
50 000				
40 000				
25 000				
20 000				
16 000				
TOTAL = P				

Calculated Gradation of -16 000 µm Aggregate

SIEVE SIZE µm	Z	Y
	PERCENT PASSING M U / 100	CONTRACT SPECIFICATIONS
10 000		
5 000		
1 250		
630		
315		
160		
80		

Calculations

Date _____

Technologist _____