

COMBINED MECHANICAL ANALYSIS <i>(Sedimentation Test)</i>						DATE	
PROJECT			EXCAVATION			SAMPLE NUMBER	
DESCRIPTION OF SAMPLE							
WEIGHT TOTAL SAMPLE			WEIGHT PASSING NO. 10 SIEVE			PERCENT PASSING NO. 10 SIEVE	
WEIGHT RETAINED ON NO. 10 SIEVE <i>(g)</i>		WEIGHT RETAINED ON NO. 200 SIEVE <i>(g)</i>		TOTAL WEIGHT FINER THAN NO. 200 SIEVE <i>(g)</i>		WASHING LOSS <i>(g)</i>	
SIEVE ANALYSIS							
SIEVE OR SCREEN	SIZE OF OPENING <i>(mm)</i>	WEIGHT OF SIEVE <i>(g)</i>	WEIGHT OF SIEVE AND SAMPLE <i>(g)</i>	WEIGHT RETAINED ON SIEVE <i>(g)</i>	CUMULATIVE WEIGHT RETAINED <i>(g)</i>	PERCENT RETAINED	PERCENT FINER
2 in.	50.8						
1-1/2 in.	38.1						
1 in.	25.4						
3/4 in.	19.0						
1/4 in. <i>(No. 3)</i>	6.35						
No. 4	4.76						
No. 10	2.00						
No. 40	0.420						
No. 60	0.250						
No. 100	0.149						
No. 200	0.074						
Pan							
Wash loss							
SEDIMENTATION ANALYSIS							
SELECTED DIAMETER <i>(mm)</i>	DRY WEIGHT <i>W_o</i> <i>(g)</i>	WEIGHT OF RESIDUE PLUS DISH <i>(g)</i>	WEIGHT OF DISH <i>(g)</i>	DRY WEIGHT OF RESIDUE <i>W₁</i> <i>(g)</i>	TOTAL WEIGHT FINER <i>W_t</i> <i>(g)</i>	PARTIAL % FINER THAN SELECTED DIAMETER	PERCENT FINER TOTAL SAMPLE
0.05							
0.02							
0.005							
TECHNICIAN			COMPUTED BY			CHECKED BY	