

# CONSTRUCTION TECHNOLOGY

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ATTN: MR. PATRICK O'CONNOR

REVIEWED BY: TOM JOSLIN, SET, NICET

PROJECT: **LABORATORY MATERIALS EVALUATION**

## ASTM C136 / C117 / D422: SIZE DISTRIBUTION OF SOIL & AGGREGATES: SIEVE ANALYSIS

MATERIAL SOURCE: **O'CONNOR PIT: TAILINGS**  
 MATERIAL DESCRIPTION: SAND; some fine Gravel; trace Silt/Clay  
 MATERIAL PROJECT USE: PER CLIENT  
 EVALUATION SPECIFICATION: PROJECT SPECIFICATIONS

COARSE SIEVE SERIES: US STANDARD				MEDIUM SIEVE SERIES: US STANDARD				FINE SIEVE SERIES: US STANDARD			
SIEVE SIZE	PERCENT RETAINED	PERCENT PASSING	SPECIFICATION ALLOWANCE	SIEVE SIZE	PERCENT RETAINED	PERCENT PASSING	SPECIFICATION ALLOWANCE	SIEVE SIZE	PERCENT RETAINED	PERCENT PASSING	SPECIFICATION ALLOWANCE
4"				1/4"	24.3	75.7		#50	76.4	23.6	
3"				#4	32.7	67.3		#60	79.6	20.4	
2 1/2"				1/8"				#80			
2"				#8	48.5	51.5		#100	85.9	14.1	
1 1/2"				#10	51.3	48.7		#140			
1"				#16	57.7	42.3		#200	90.2	9.8	
3/4"				#20	63.4	36.6		SILT			
1/2"		100.0		#30	67.4	32.6		CLAY			
3/8"	7.6	92.4		#40	71.9	28.1		COLLOID			

