

# CONSTRUCTION TECHNOLOGY

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REPORT DATE: 07/11/24  
 SAMPLE NUMBER: 24577  
 OUR FILE NO: 866.001

ATTN: MR. PATRICK O'CONNOR  
 PROJECT: **LABORATORY MATERIALS EVALUATION**

REVIEWED BY: TOM JOSLIN, SET, NICET

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

MATERIAL SOURCE: **O'CONNOR PIT: CONCRETE / PROCESSED SAND**  
 MATERIAL DESCRIPTION: SAND, medium/coarse; trace fine Gravel; trace Silt/Clay  
 MATERIAL PROJECT USE: CONCRETE FINE AGGREGATE  
 EVALUATION SPECIFICATION: ASTM STANDARD SPECIFICATION C-33

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"	3.3	96.7		#50	91.9	8.1	5 - 30
3"				#4	8.9	91.1	95 - 100	#60	93.0	7.0	
2 1/2"				1/8"				#80			
2"				#8	36.6	63.4	80 - 100	#100	95.2	4.8	0 - 10
1 1/2"				#10	43.1	56.9		#140			
1"				#16	58.0	42.0	50 - 85	#200	96.3	3.7	0 - 5
3/4"				#20	72.2	27.8		SILT			
1/2"				#30	82.1	17.9	25 - 60	CLAY			
3/8"	0.0	100.0	100 - 100	#40	88.1	11.9		COLLOID			

ASTM C-33

FINENESS MODULUS

**3.73**

SPECIFICATION 2.3 - 3.1

