

# CONSTRUCTION TECHNOLOGY

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REPORT DATE: 07/12/24  
 SAMPLE NUMBER: 24570  
 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: **TOPSOIL SAMPLE**  
 MATERIAL DESCRIPTION: SAND, fine; little Sil/Clay; trace fine Gravel  
 MATERIAL PROJECT USE: TOPSOIL  
 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"	1.9	98.1		#50	35.1	64.9	
3"				#4	3.0	97.0		#60	45.6	54.4	
2 1/2"				1/8"				#80			
2"				#8	6.9	93.1		#100	66.9	33.1	
1 1/2"				#10	8.3	91.7		#140			
1"				#16	11.3	88.7		#200	80.1	19.9	
3/4"				#20	15.5	84.5		SILT			
1/2"		100.0		#30	18.3	81.7		CLAY			
3/8"	0.2	99.8		#40	24.2	75.8		COLLOID			

ASTM D-2974  
 ORGANIC CONTENT  
 8.9%

ASTM D-4972  
 SOIL pH VALUE  
 6.3

