

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: #2 STONE**

MATERIAL DESCRIPTION: CRUSHED STONE sized as: GRAVEL, fine; trace Sand; trace Silt/Clay

MATERIAL PROJECT USE: COARSE AGGREGATES

EVALUATION SPECIFICATION: NYSDOT STANDARD SPECIFICATION SECTION 703-02: TABLE 703-4: #2 STONE

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"	99.6	0.4		#50	99.6	0.4	
3"				#4	99.6	0.4		#60	99.6	0.4	
2 1/2"				1/8"				#80			
2"				#8	99.6	0.4		#100	99.7	0.3	
1 1/2"		100.0	100 - 100	#10	99.6	0.4		#140			
1"	80.1	19.9	90 - 100	#16	99.6	0.4		#200	99.7	0.3	0 - 1
3/4"	98.0	2.0		#20	99.6	0.4		SILT			
1/2"	99.5	0.5	0 - 15	#30	99.6	0.4		CLAY			
3/8"	99.6	0.4		#40	99.6	0.4		COLLOID			

