

CONSTRUCTION TECHNOLOGY

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REPORT DATE: 07/11/24

SAMPLE NUMBER: 24575

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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: ITEM-4**
MATERIAL DESCRIPTION: GRAVEL, fine; and Sand; trace Silt/Clay
MATERIAL PROJECT USE: FILLS / BACKFILLS
EVALUATION SPECIFICATION: NYSDOT STANDARD SPECIFICATION SECTION 304-2.02, TYPE 4

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"	52.6	47.4	30 - 65	#50	86.1	13.9	
3"				#4	55.9	44.1		#60			
2 1/2"				1/8"				#80			
2"		100.0	100 - 100	#8	63.2	36.8		#100	92.4	7.6	
1 1/2"		100.0		#10				#140			
1"	15.7	84.3		#16	69.6	30.4		#200	94.3	5.7	0 - 10
3/4"	30.1	69.9		#20				SILT			
1/2"	41.2	58.8		#30	77.1	22.9		CLAY			
3/8"	45.7	54.3		#40	81.7	18.3	5 - 40	COLLOID			

