

In Situ Material Volumes within Strada Proposed Quarry Footprint (Modified) ¹

Summary	In Situ Material Volume 1,000 m³	Fines (5%) ² 1,000 m³	Material Volume (less Fines) 1,000 m³
	(1)	(2)	(3)=(1)-(2)
A. Overburden			
A.1 Prince Pit - Mainly Sand and Gravel, and Limited Glacial Till	4,900	250	
A.2 Melancthon and Bonnefield Pits - Mainly Glacial Till	5,100	250	
Subtotal Overburden (A.1 + A.2)	10,000	500	9,500
B. Bedrock			
B.1 Upper Bedrock Guelph/Eramosa	10,600	530	
B.2 Middle Bedrock Goat Island (Ancaster/Niagara)	8,300	420	
B.3 Lower Bedrock Gasport / IRM	9,800	490	
Subtotal Bedrock (B.1 + B.2 + B.3)	28,700	1,440	27,260
Total Overburden + Bedrock - Fines	38,700	1,940	36,760

Notes:

- 1) Peer Reviewed Modified Proposed Quarry Footprint.
- 2) Fines estimated at 5% include Marketable Quarry Fines, Sediment on Quarry Floors, Turbidity in Quarry Effluent Water, Dust in Quarry Air and recovered Fines utilized for rehabilitation.

File: Strada (21-407)

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