

# NEWSUPDATE

PROVIDING THE RIGHT SOLUTIONS.



## Stone Strong Retaining Wall, St. Margaret's Bay Road



**PROJECT NAME:**

NEW SIDEWALK, TRAFFIC IMPROVEMENT AND SANITARY SEWER

**LOCATION:**

ST. MARGARET'S BAY ROAD WEST REGION

**OWNER:**

HALIFAX REGIONAL MUNICIPALITY

**CONTRACTOR:**

DEXTER CONSTRUCTION

**DESIGN ENGINEER:**

TERRAIN GROUP

The St. Margaret's Bay Road lane widening project is near completion, and Shaw Pipe is proud to have been the supplier of the retaining wall required for the project. This was the first large scale application of our recently introduced Stone Strong retaining wall product line, and what better location to launch it than at this high profile lane widening.



This was a relatively complex retaining wall design due to a combination of factors, including adjacent footings of two existing apartment buildings. Also, the permanent easement behind the wall complicated the design and construction as this area could not be intersected with any soil reinforcements. This gave the Stone Strong System an advantage over other retaining wall products, because it offers a way to construct a wall exceeding 3.5 meters in height without the use of geo-grid reinforcing. The use of Stone Strong "Mass Extenders" was utilized, and can be either cast in place on site or supplied as a precast element. A combination of both was utilized on this project. *continued page 2...*

SHAW PIPE PROVIDES ST. MARGARET S BAY ROAD WITH SUCCESSFUL STONE STRONG SOLUTION



Other characteristics of the wall that required special consideration was the use of Stone Strong Stair Block elements to construct a run of stairs for the entrance to the existing multi-level residential complex. The wall also had to tie in on the opposite end to an existing dry stack stone wall at the same elevation. This was achieved with the use of our 6 square foot radius blocks, which match the existing site contours and elevations.

Please check out our website at [www.shawpipe.com](http://www.shawpipe.com) or [www.stonestrong.com](http://www.stonestrong.com) for more information pertaining to this product. Here you will find standard details, engineering and design information, installation instructions, as well as attractive photo galleries that will convince you that Stone Strong is the best choice for your retaining wall requirements.

Shaw Pipe currently has more than one thousand Stone Strong wall units in stock (975m<sup>2</sup>), and is interested in discussing your wall requirements and design details with you.



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