

## PUAR Engineering Consultants Inc

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**Puar Engineering**  
CONSULTANTS

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**RE: PRELIMINARY COST ESTIMATE  
PROPOSED CANTILEVER SHOTCRETE WALL AT CUL DE SAC  
PROPOSED SUBDIVISION  
3707 – 3739 DOLLARTON HWY - NORTH VANCOUVER, BC**

Further to our design recommendations dated February 10, 2012 and our recent correspondence with the Structural Engineer-of-Record (Jerry Lum, P.Eng), the following provides our compiled construction cost estimate for the above retention system. As shown on Figure SH-2 of our design drawings, the subject retention system would retain the upslope edge of the cul de sac, where a GVRD right-of-way abuts the cul de sac edge.

**Table – Cantilevered Shotcrete Wall**

Scope/ Item	Qty	Unit	Cost
Installation of Cantilevered Pipe Pile Shotcrete Retention System	~ 80	lineal ft	\$130,000
GST (5%)			\$6,500
Sub-Total			\$136,500
25% Contingency			\$34,125
Estimated Total Cost			\$170,625

Please feel free to contact us, if you have any questions.

**PUAR ENGINEERING CONSULTANTS INC**

**Per:**

**Surinder Puar, M.A.Sc., P.Eng.**

**Principal**

F:\PEC\PROJECTS\07-2-256 - 3707 Dollarton Hwy NVan - Ebrahim\1 - Reporting & Correspondence\07-2-256 - Costing of Shotcrete Wall - 13Jul22.doc

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