Bayfield® Retaining Wall System
Estimating Chart for Geosynthetic Reinforcement

3:1 Crest Slope

<table>
<thead>
<tr>
<th>Clay and Silty Soil</th>
<th>Silty/Clayey Sand Soil</th>
<th>Clean Sand and Gravel Soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>$H$</td>
<td>$F = 26°$</td>
<td>$F = 30°$</td>
</tr>
<tr>
<td>$g = 120$ pcf (19 kN/m$^3$)</td>
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<td>$g = 120$ pcf (19 kN/m$^3$)</td>
</tr>
</tbody>
</table>

Total Height: 2'-0" (600 mm)

- Reinforced soil zone

Total Height: 3'-0" (900 mm)

- Reinforced soil zone

Total Height: 4'-0" (1200 mm)

- Reinforced soil zone

Total Height: 5'-0" (1500 mm)

- Reinforced soil zone

Total Height: 6'-0" (1800 mm)

- Reinforced soil zone

Total Height: 7'-0" (2100 mm)

- Reinforced soil zone

Total Height: 8'-0" (2400 mm)

- Reinforced soil zone

No reinforcement required

Total Height: 9'-0" (2700 mm)

- Reinforced soil zone

Total Height: 10'-0" (3000 mm)

- Reinforced soil zone

FOR ESTIMATING PURPOSES ONLY - NOT FOR CONSTRUCTION