# Anchorplex™ Construction with Diamond® Retaining Wall System
## Estimating Chart for Structural Backfill
### 100 PSF Surcharge

<table>
<thead>
<tr>
<th>CLAY AND SILT SOIL</th>
<th>SILTY/CLAYEY SAND SOIL</th>
<th>CLEAN SAND AND GRAVEL SOIL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>H</strong></td>
<td><strong>H</strong></td>
<td><strong>H</strong></td>
</tr>
<tr>
<td>$\theta = 26^\circ$</td>
<td>$\theta = 25^\circ$</td>
<td>$\theta = 24^\circ$</td>
</tr>
<tr>
<td>$\gamma = 120$ psf (19 kN/m$^2$)</td>
<td>$\gamma = 120$ psf (19 kN/m$^2$)</td>
<td>$\gamma = 120$ psf (19 kN/m$^2$)</td>
</tr>
<tr>
<td><strong>100 PSF (12 kPa) SURCHARGE</strong></td>
<td><strong>100 PSF (12 kPa) SURCHARGE</strong></td>
<td><strong>100 PSF (12 kPa) SURCHARGE</strong></td>
</tr>
</tbody>
</table>

### Courses and Calculations

- **4 Courses**
  - 2' 0" (600 mm)
  - 1' 4" [400 mm]
  - 0.11 x Wall Length = CY of Structural Backfill

- **6 Courses**
  - 3' 0" (900 mm)
  - 1' 7" [470 mm]
  - 0.20 x Wall Length = CY of Structural Backfill

- **8 Courses**
  - 4' 0" (1200 mm)
  - 2' 0" [600 mm]
  - 0.32 x Wall Length = CY of Structural Backfill

- **10 Courses**
  - 5' 0" (1500 mm)
  - 2' 4" [700 mm]
  - 0.46 x Wall Length = CY of Structural Backfill

- **12 Courses**
  - 6' 0" (1800 mm)
  - 2' 7" [770 mm]
  - 0.61 x Wall Length = CY of Structural Backfill

- **14 Courses**
  - 7' 0" (2100 mm)
  - 3' 0" [900 mm]
  - 0.82 x Wall Length = CY of Structural Backfill

- **16 Courses**
  - 8' 0" (2400 mm)
  - 3' 4" [1000 mm]
  - 1.04 x Wall Length = CY of Structural Backfill

---

1-877-295-5415  www.anchorwall.com
FOR ESTIMATING PURPOSES ONLY - NOT FOR CONSTRUCTION  DMECSASU-C