

# Anchorplex™ Construction with Diamond® 10D Retaining Wall System

## Estimating Chart for Structural Backfill

### No Slopes / No Surcharges

CLAY AND SILT SOIL $\phi = 26^\circ$ $\gamma = 120 \text{ pcf } (19 \text{ kN/m}^3)$	SILTY/CLAYEY SAND SOIL $\phi = 30^\circ$ $\gamma = 120 \text{ pcf } (19 \text{ kN/m}^3)$	CLEAN SAND AND GRAVEL SOIL $\phi = 34^\circ$ $\gamma = 120 \text{ pcf } (19 \text{ kN/m}^3)$
<p>H</p> <p>NO SLOPES OR SURCHARGES</p> <p>ZONE OF STRUCTURAL BACKFILL</p>	<p>H</p> <p>NO SLOPES OR SURCHARGES</p> <p>ZONE OF STRUCTURAL BACKFILL</p>	<p>H</p> <p>NO SLOPES OR SURCHARGES</p> <p>ZONE OF STRUCTURAL BACKFILL</p>
<p>4 Courses 2' 0" (600 mm)</p> <p>1'-2" [350 mm]</p> <p>0.10 x Wall Length = CY of Structural Backfill</p>	<p>4 Courses 2' 0" (600 mm)</p> <p>STRUCTURAL BACKFILL NOT REQUIRED</p>	<p>4 Courses 2' 0" (600 mm)</p> <p>STRUCTURAL BACKFILL NOT REQUIRED</p>
<p>6 Courses 3' 0" (900 mm)</p> <p>1'-2" [350 mm]</p> <p>0.14 x Wall Length = CY of Structural Backfill</p>	<p>6 Courses 3' 0" (900 mm)</p> <p>1'-2" [350 mm]</p> <p>0.14 x Wall Length = CY of Structural Backfill</p>	<p>6 Courses 3' 0" (900 mm)</p> <p>STRUCTURAL BACKFILL NOT REQUIRED</p>
<p>8 Courses 4' 0" (1200 mm)</p> <p>1'-2" [350 mm]</p> <p>0.19 x Wall Length = CY of Structural Backfill</p>	<p>8 Courses 4' 0" (1200 mm)</p> <p>1'-2" [350 mm]</p> <p>0.19 x Wall Length = CY of Structural Backfill</p>	<p>8 Courses 4' 0" (1200 mm)</p> <p>STRUCTURAL BACKFILL NOT REQUIRED</p>
<p>10 Courses 5' 0" (1500 mm)</p> <p>1'-6" [450 mm]</p> <p>0.31 x Wall Length = CY of Structural Backfill</p>	<p>10 Courses 5' 0" (1500 mm)</p> <p>1'-2" [350 mm]</p> <p>0.24 x Wall Length = CY of Structural Backfill</p>	<p>10 Courses 5' 0" (1500 mm)</p> <p>1'-2" [350 mm]</p> <p>0.24 x Wall Length = CY of Structural Backfill</p>
<p>12 Courses 6' 0" (1800 mm)</p> <p>1'-9" [520 mm]</p> <p>0.43 x Wall Length = CY of Structural Backfill</p>	<p>12 Courses 6' 0" (1800 mm)</p> <p>1'-6" [450 mm]</p> <p>0.37 x Wall Length = CY of Structural Backfill</p>	<p>12 Courses 6' 0" (1800 mm)</p> <p>1'-2" [350 mm]</p> <p>0.29 x Wall Length = CY of Structural Backfill</p>
<p>14 Courses 7' 0" (2100 mm)</p> <p>2'-2" [650 mm]</p> <p>0.62 x Wall Length = CY of Structural Backfill</p>	<p>14 Courses 7' 0" (2100 mm)</p> <p>1'-9" [520 mm]</p> <p>0.50 x Wall Length = CY of Structural Backfill</p>	<p>14 Courses 7' 0" (2100 mm)</p> <p>1'-6" [450 mm]</p> <p>0.43 x Wall Length = CY of Structural Backfill</p>
<p>16 Courses 8' 0" (2400 mm)</p> <p>2'-6" [750 mm]</p> <p>0.81 x Wall Length = CY of Structural Backfill</p>	<p>16 Courses 8' 0" (2400 mm)</p> <p>2'-2" [650 mm]</p> <p>0.71 x Wall Length = CY of Structural Backfill</p>	<p>16 Courses 8' 0" (2400 mm)</p> <p>1'-9" [520 mm]</p> <p>0.57 x Wall Length = CY of Structural Backfill</p>