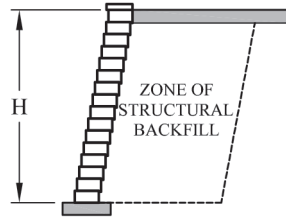


# Anchorplex™ Construction with Highland Stone®

## Retaining Wall System Estimating Chart for Structural Backfill

### No Slopes and No Surcharges

FOR ESTIMATING PURPOSES ONLY - NOT FOR CONSTRUCTION



	CLAY & SILT SOIL	SILTY / CLAYEY SAND SOIL	CLEAN SAND & GRAVEL SOIL
H	$\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	$\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	$\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
4'-0" (1200 mm) 6 Courses	<p>0.22 x Wall Length = CY of Structural Backfill</p> <p>1'-0" [300 mm]</p>	<p>0.22 x Wall Length = CY of Structural Backfill</p> <p>1'-0" [300 mm]</p>	<p>0.22 x Wall Length = CY of Structural Backfill</p>
6'-0" (1800 mm) 9 Courses	<p>0.44 x Wall Length = CY of Structural Backfill</p> <p>1'-6" [450 mm]</p>	<p>0.33 x Wall Length = CY of Structural Backfill</p> <p>1'-0" [300 mm]</p>	<p>0.33 x Wall Length = CY of Structural Backfill</p> <p>1'-0" [300 mm]</p>
8'-0" (2400 mm) 12 Courses	<p>0.89 x Wall Length = CY of Structural Backfill</p> <p>2'-6" [750 mm]</p>	<p>0.74 x Wall Length = CY of Structural Backfill</p> <p>2'-0" [600 mm]</p>	<p>0.74 x Wall Length = CY of Structural Backfill</p> <p>2'-0" [600 mm]</p>
10'-0" (3000 mm) 15 Courses	<p>1.30 x Wall Length = CY of Structural Backfill</p> <p>3'-0" [900 mm]</p>	<p>1.11 x Wall Length = CY of Structural Backfill</p> <p>2'-6" [750 mm]</p>	<p>1.11 x Wall Length = CY of Structural Backfill</p> <p>2'-6" [750 mm]</p>
12'-0" (3600 mm) 18 Courses	<p>2.00 x Wall Length = CY of Structural Backfill</p> <p>4'-0" [1200 mm]</p>	<p>1.56 x Wall Length = CY of Structural Backfill</p> <p>3'-0" [900 mm]</p>	<p>1.56 x Wall Length = CY of Structural Backfill</p> <p>3'-0" [900 mm]</p>

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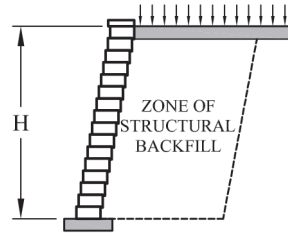
ANCHOR DIAMOND Group  
5909 Baker Rd, Suite 550  
Minnetonka, MN 55345

# Anchorplex™ Construction with Highland Stone®

## Retaining Wall System Estimating Chart for Structural Backfill

### 250 PSF Surcharge

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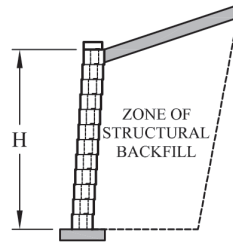
	CLAY & SILT SOIL	SILTY / CLAYEY SAND SOIL	CLEAN SAND & GRAVEL SOIL
H	$\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	$\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	$\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
4'-0" (1200 mm) 6 Courses	<p>0.44 x Wall Length = CY of Structural Backfill 2'-6" [750 mm]</p>	<p>0.30 x Wall Length = CY of Structural Backfill 1'-6" [450 mm]</p>	<p>0.22 x Wall Length = CY of Structural Backfill 1'-0" [300 mm]</p>
6'-0" (1800 mm) 9 Courses	<p>0.89 x Wall Length = CY of Structural Backfill 3'-6" [1050 mm]</p>	<p>0.56 x Wall Length = CY of Structural Backfill 2'-0" [600 mm]</p>	<p>0.33 x Wall Length = CY of Structural Backfill 1'-0" [300 mm]</p>
8'-0" (2400 mm) 12 Courses	<p>4'-0" [1200 mm] 1.33 x Wall Length = CY of Structural Backfill</p>	<p>2'-6" [750 mm] 0.89 x Wall Length = CY of Structural Backfill</p>	<p>2'-0" [600 mm] 0.74 x Wall Length = CY of Structural Backfill</p>
10'-0" (3000 mm) 15 Courses	<p>Wall design to be performed by a professional engineer</p>	<p>3'-0" [900 mm] 1.30 x Wall Length = CY of Structural Backfill</p>	<p>2'-6" [750 mm] 1.11 x Wall Length = CY of Structural Backfill</p>
12'-0" (3600 mm) 18 Courses	<p>Wall design to be performed by a professional engineer</p>	<p>3'-6" [1050 mm] 1.78 x Wall Length = CY of Structural Backfill</p>	<p>3'-0" [900 mm] 1.56 x Wall Length = CY of Structural Backfill</p>

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# Anchorplex™ Construction with Highland Stone® Retaining Wall System Estimating Chart for Structural Backfill 3:1 Crest Slope

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	CLAY & SILT SOILS	SILTY / CLAYEY SAND SOIL	CLEAN SAND & GRAVEL SOIL
H	$\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	$\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	$\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
4'-0" (1200 mm) 6 Courses	<p>2'-0" [600 mm] 0.37 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm] 0.22 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm] 0.22 x Wall Length = CY of Structural Backfill</p>
6'-0" (1800 mm) 9 Courses	<p>3'-6" [1050 mm] 0.89 x Wall Length = CY of Structural Backfill</p>	<p>1'-6" [450 mm] 0.44 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm] 0.33 x Wall Length = CY of Structural Backfill</p>
8'-0" (2400 mm) 12 Courses	<p>5'-0" [1500 mm] 1.63 x Wall Length = CY of Structural Backfill</p>	<p>2'-6" [750 mm] 0.89 x Wall Length = CY of Structural Backfill</p>	<p>2'-0" [600 mm] 0.74 x Wall Length = CY of Structural Backfill</p>
10'-0" (3000 mm) 15 Courses	<p>Wall design to be performed by a professional engineer</p>	<p>3'-0" [900 mm] 1.30 x Wall Length = CY of Structural Backfill</p>	<p>2'-6" [750 mm] 1.11 x Wall Length = CY of Structural Backfill</p>
12'-0" (3600 mm) 18 Courses	<p>Wall design to be performed by a professional engineer</p>	<p>4'-0" [1200 mm] 2.00 x Wall Length = CY of Structural Backfill</p>	<p>3'-0" [900 mm] 1.56 x Wall Length = CY of Structural Backfill</p>

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