

Diamond® Retaining Wall System

Estimating Chart for Geosynthetic Reinforcement

3:1 Crest Slope

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 $\phi = 34^\circ$ $\gamma = 120 \text{ pcf } (19 \text{ kN/m}^3)$
4 Courses 2' 0" (600 mm) 	4 Courses 2' 0" (600 mm) 	4 Courses 2' 0" (600 mm)
6 Courses 3' 0" (900 mm) 	6 Courses 3' 0" (900 mm) 	6 Courses 3' 0" (900 mm)
8 Courses 4' 0" (1200 mm) 	8 Courses 4' 0" (1200 mm) 	8 Courses 4' 0" (1200 mm)
10 Courses 5' 0" (1500 mm) 	10 Courses 5' 0" (1500 mm) 	10 Courses 5' 0" (1500 mm)
12 Courses 6' 0" (1800 mm) 	12 Courses 6' 0" (1800 mm) 	12 Courses 6' 0" (1800 mm)
14 Courses 7' 0" (2100 mm) 	14 Courses 7' 0" (2100 mm) 	14 Courses 7' 0" (2100 mm)
16 Courses 8' 0" (2400 mm) 	16 Courses 8' 0" (2400 mm) 	16 Courses 8' 0" (2400 mm)