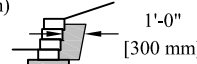
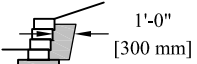

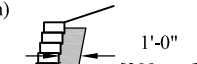


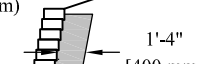
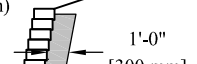
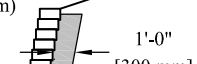
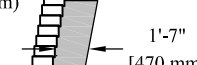
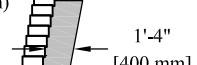
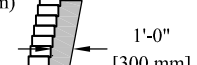
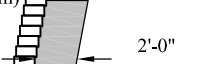

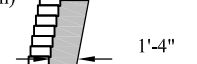
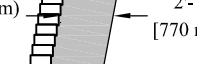
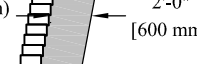
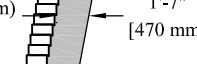
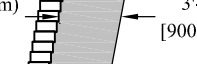
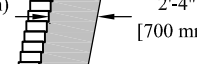
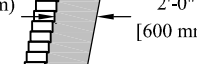


Anchorplex™ Construction with Diamond® Retaining Wall System

Estimating Chart for Structural Backfill

3:1 Crest Slope

| CLAY AND SILT SOIL $\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$ | SILTY/CLAYEY SAND SOIL $\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$ | CLEAN SAND AND GRAVEL SOIL $\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$ |
|---|---|---|
| 4 Courses 2' 0" (600 mm)  1'-0" [300 mm] $0.09 \times \text{Wall Length} = \text{CY of Structural Backfill}$ | 4 Courses 2' 0" (600 mm)  1'-0" [300 mm] $0.09 \times \text{Wall Length} = \text{CY of Structural Backfill}$ | 4 Courses 2' 0" (600 mm)  STRUCTURAL BACKFILL NOT REQUIRED |
| 6 Courses 3' 0" (900 mm)  1'-0" [300 mm] $0.13 \times \text{Wall Length} = \text{CY of Structural Backfill}$ | 6 Courses 3' 0" (900 mm)  1'-0" [300 mm] $0.13 \times \text{Wall Length} = \text{CY of Structural Backfill}$ | 6 Courses 3' 0" (900 mm)  1'-0" [300 mm] $0.13 \times \text{Wall Length} = \text{CY of Structural Backfill}$ |
| 8 Courses 4' 0" (1200 mm)  1'-4" [400 mm] $0.22 \times \text{Wall Length} = \text{CY of Structural Backfill}$ | 8 Courses 4' 0" (1200 mm)  1'-0" [300 mm] $0.17 \times \text{Wall Length} = \text{CY of Structural Backfill}$ | 8 Courses 4' 0" (1200 mm)  1'-0" [300 mm] $0.17 \times \text{Wall Length} = \text{CY of Structural Backfill}$ |
| 10 Courses 5' 0" (1500 mm)  1'-7" [470 mm] $0.33 \times \text{Wall Length} = \text{CY of Structural Backfill}$ | 10 Courses 5' 0" (1500 mm)  1'-4" [400 mm] $0.28 \times \text{Wall Length} = \text{CY of Structural Backfill}$ | 10 Courses 5' 0" (1500 mm)  1'-0" [300 mm] $0.22 \times \text{Wall Length} = \text{CY of Structural Backfill}$ |
| 12 Courses 6' 0" (1800 mm)  2'-0" [600 mm] $0.48 \times \text{Wall Length} = \text{CY of Structural Backfill}$ | 12 Courses 6' 0" (1800 mm)  1'-7" [470 mm] $0.39 \times \text{Wall Length} = \text{CY of Structural Backfill}$ | 12 Courses 6' 0" (1800 mm)  1'-4" [400 mm] $0.34 \times \text{Wall Length} = \text{CY of Structural Backfill}$ |
| 14 Courses 7' 0" (2100 mm)  2'-7" [770 mm] $0.72 \times \text{Wall Length} = \text{CY of Structural Backfill}$ | 14 Courses 7' 0" (2100 mm)  2'-0" [600 mm] $0.57 \times \text{Wall Length} = \text{CY of Structural Backfill}$ | 14 Courses 7' 0" (2100 mm)  1'-7" [470 mm] $0.46 \times \text{Wall Length} = \text{CY of Structural Backfill}$ |
| 16 Courses 8' 0" (2400 mm)  3'-0" [900 mm] $0.94 \times \text{Wall Length} = \text{CY of Structural Backfill}$ | 16 Courses 8' 0" (2400 mm)  2'-4" [700 mm] $0.74 \times \text{Wall Length} = \text{CY of Structural Backfill}$ | 16 Courses 8' 0" (2400 mm)  2'-0" [600 mm] $0.65 \times \text{Wall Length} = \text{CY of Structural Backfill}$ |