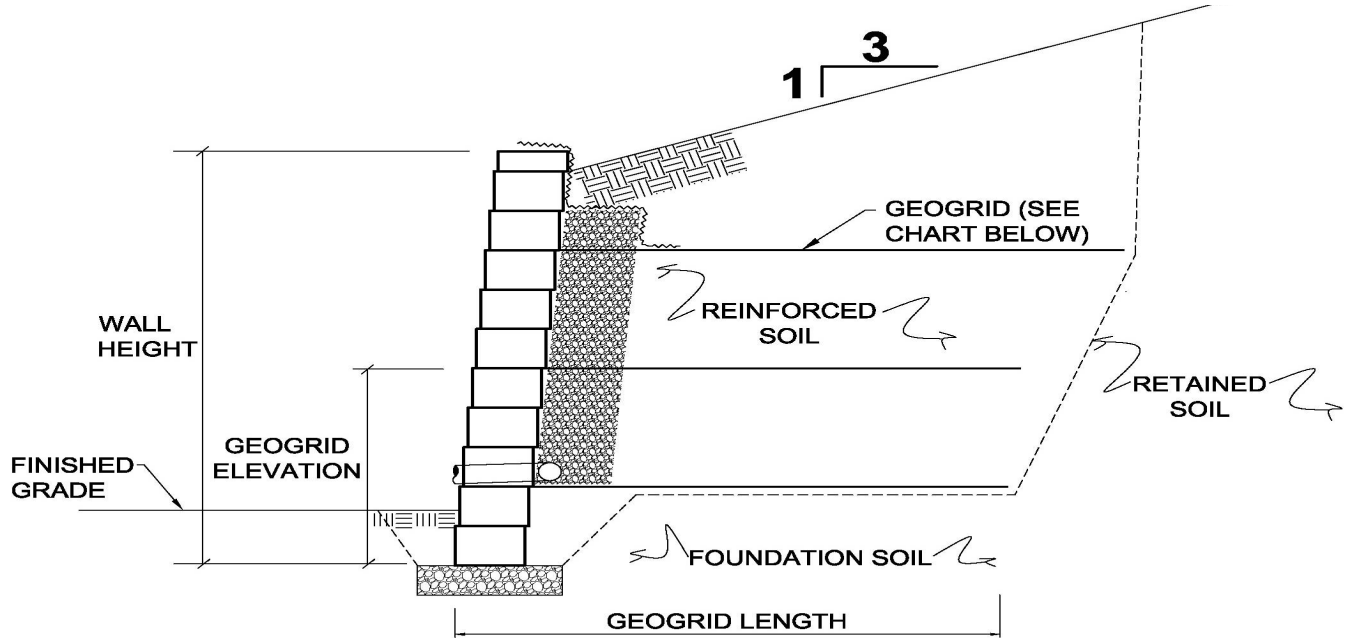


TRINITY WALL SYSTEM

Geogrid Reinforcement Estimating Charts



3:1 Surcharge, $\gamma = 120$ PCF

$\Phi = 28^\circ$ Silt/Clayey Soils			$\Phi = 30^\circ$ Sandy Soils			$\Phi = 34^\circ$ Gravel Soils		
Wall Height	Grid Elevation	Grid Length	Wall Height	Grid Elevation	Grid Length	Wall Height	Grid Elevation	Grid Length
3.0'	1.34	4.0'	3.0'	1.34	4.0'	3.0'	No Geogrid Required	
4.3'	1.34	4.0'	4.3'	1.34	4.0'	4.3	1.34	4.0'
	3.34	5.0'		3.34	5.0'		3.34	4.5'
5.7'	2.00	5.0'	5.7	2.00	4.5'	5.7'	2.00	4.0'
	4.00	5.5'		4.00	5.5'		4.00	5.0'
7.0'	1.34	5.5'	7.0'	1.34	4.0'	7.0'	1.34	4.0'
	3.34	5.5'		3.34	5.0'		3.34	4.5'
	5.34	7.0'		5.34	6.5'		5.34	6.0'
8.3'	0.67	8.0'	8.3'	0.67	7.0'	8.3'	0.67	5.0'
	2.67	8.0'		2.67	7.0'		2.67	5.0'
	4.67	8.0'		4.67	7.0'		4.67	5.5'
	6.67	8.0'		6.67	7.5'		6.67	7.0'
9.7'	0.67	9.0'	9.7'	0.67	7.5'	9.7'	0.67	6.0'
	2.67	9.0'		2.67	7.5'		2.67	6.0'
	4.67	9.0'		4.67	7.5'		4.67	6.0'
	6.67	9.0'		6.67	7.5'		6.67	7.0'
	8.67	10.0'		8.67	9.0'		8.67	8.0'

The soils effective friction angle and unit weight as outlined above is assumed to exist in the reinforced, retained, and foundation zones. Geogrid type is HTG 35, Mirafi 3XT, Strate 200 or approved equivalent.

FOR STAMPED FINAL DESIGNS BY A PROFESSIONAL ENGINEER CALL 678.594.3451.

TRINITY

Segmental Block Wall System

Earth Wall Products, LLC
 Marietta, Georgia USA
 Tel: 678.594.3451
www.earthwallproducts.com

The information contained herein has been compiled by Earth Wall Products, LLC and to the best of our knowledge, accurately represents the Creekside Block product use in the applications which are illustrated. Final determination of the suitability for the use contemplated and its manner of use are the sole responsibility of the user. Final structural design and analysis shall be performed by a qualified engineer.