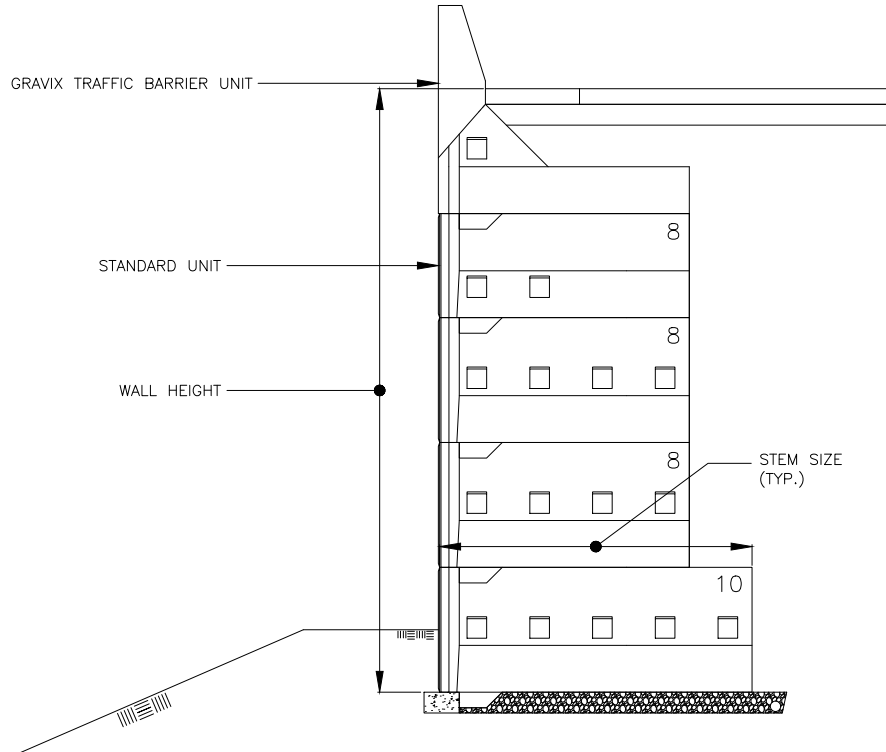


# GRAVIX RETAINING WALL SYSTEM - Estimating Charts



Roadway Surcharge, 250 PSF Backfill Unit Weight $\gamma = 120$ PCF								
$\Phi = 30^\circ$ Soil Backfill					$\Phi = 36^\circ$ Gravel Backfill			
Wall Height	Unit Stem Size Needed							
	TB	8'	10'	12'	14'	16'	18'	20'
4.0'	1							
8.0'	1	1						
12.0'	1	2						
16.0'	1	3						
20.0'	1	3	2					
24.0'	1	2	1	2				
28.0'	1	1	2	1	2			
32.0'	1	1	1	2	1	2		
36.0'	1	1	1	2	1	1	2	
40.0'	1	1	1	1	2	1	1	2

The soils effective friction angle and unit weight as outlined above is assumed to be used within, behind and beneath the retaining wall.

**GRAVIX**  
DOT/Rail Precast Wall System

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The information contained herein has been compiled by Earth Wall Products, LLC and to the best of our knowledge, accurately represents the Gravix 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.