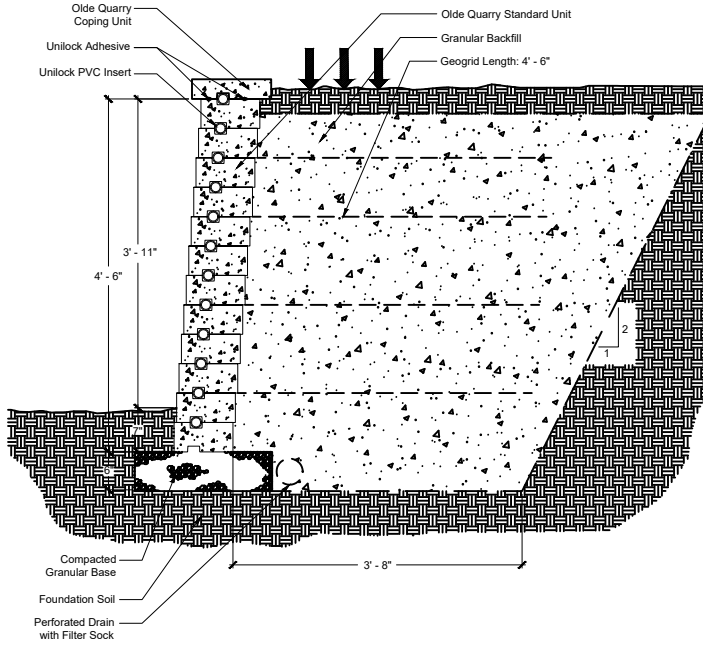


OLDE QUARRYTM

RETAINING WALL GEOGRID SECTION

REF: Olde Quarry_Grid Reinforced_Traffic Load_4.5ft_1.37m



Design Specific Geometric Information

Retaining Wall System	Olde Quarry	Geogrid Type and Manufacturer	Stratagrid
Maximum Height mm (in)	1372 (54)	Minimum Geogrid LTDS kN/m (lb/ft)	SG200
Maximum Slope Above Wall	N/A	Maximum Slope Below Wall	None
Max. Surcharge Above Wall kPa (lb/sq.ft)	4.8 (100)	Depth of Embedment mm (in)	153 (6)
Batter of Wall	4°	Compacted Base Dimension mm (in)	500 x 150 (21 x 6)

Design Specific Soil Information

	Soil Region				
	Infill	Retained	Foundation	Base	Drainage
Description (by USCS)	GW	N/A	CL	GW	CP
Effective Internal Friction Angle	37°	N/A	28°	37°	NR
Moist Unit Weight kN/cu.m (lb/cu.ft)	22 (140)	N/A	20 (127)	22 (140)	NR
Effective Cohesion kPa (lb/sq.ft)	NR	N/A	NR	NR	NR
Soil Notes	Placed in 150mm (6") lifts compacted to 95% SPD.	Undisturbed soil or well compacted engineered fill.	Bearing cap. must exceed 144kPa (3000lb/sq.ft)	Free draining gravel compacted to 98% SPD.	19mm (3/4") clear stone, 300mm (12") thick min.

NR - Not Required

Notes:

1. Poor site conditions can affect the stability of the structure. Consult a qualified professional engineer to determine site specific construction details.

This cross section is intended for preliminary design purposes only. Confirm site conditions and consult with a qualified design professional or installer prior to installation.