

Design Specific Geometric Information

Retaining Wall System	Olde Quarry	Geogrid Type and Manufacturer	Stratagrid
Maximum Height mm (in)	686 (27)	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)	None	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	GP
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 (6in) lifts and compacted to 95% SPD.	Must be undisturbed dense soil or well compacted engineered fill.	The ultimate bearing capacity must exceed 144kPa (3000lb/sq.ft)	Well graded, crushed, non frost susceptible granular soil compacted to 98% SPD.	Free draining, crushed granular 19mm (3/4in) clear stone, 300mm (12 in) thick minimum.

NR – Not Required

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

