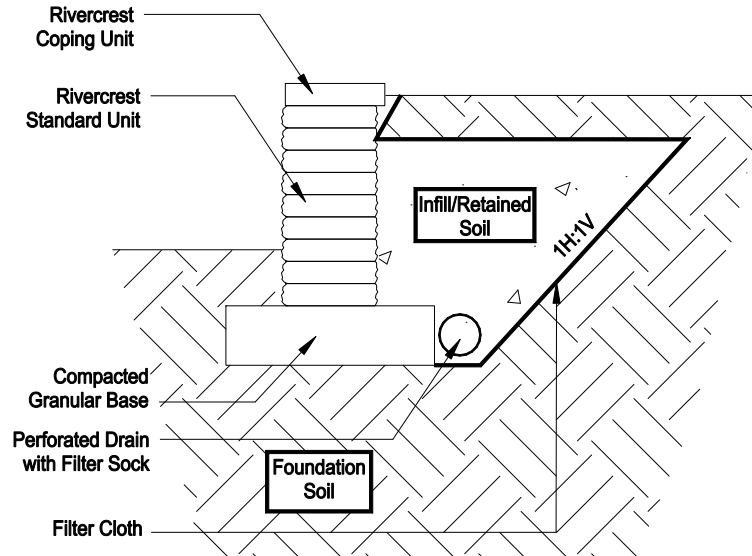


Design Specific Geometric Information

Retaining Wall System	Rivercrest	Geogrid Type and Manufacturer	N/A
Maximum Height mm (in)	570(22)	Minimum Geogrid LTDS kN/m (lb/ft)	N/A
Maximum Slope Above Wall	Horizontal	Maximum Slope Below Wall	None
Max. Surcharge Above Wall kPa (lb/sq.ft)	None	Depth of Embedment mm (in)	153 (6)
Batter of Wall	vertical	Compacted Base Dimension mm (in)	550 x 153 (22 x 6)



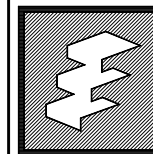
Design Specific Soil Information

Description (by USCS)	Soil Region				
	Infill / Retained	Foundation	Base	Drainage	
	GP	CL	GW	see infill	
	3/4" Angular Clearstone	Inorganic Clays Low Plasticity	Well graded, free draining Granular		
Effective Internal Friction Angle	36°	28°	39°	NR	
Moist Unit Weight kN/cu.m (lb/cu.ft)	18 (115)	20 (127)	22 (140)	NR	
Effective Cohesion kPa (lb/sq.ft)	NR	13 (270)	NR	NR	
Soil Notes	Placed in 150mm (6in) lifts and compacted to 95% SPD.	Granular Fill placed at 1H:1V wedge	The allowable bearing capacity must exceed 50kPa (1050lb/sq.ft).	Well graded, crushed non frost susceptible granular soil compacted to 98% SPD.	Granular infill must be well graded, free draining w/ max 5-8% fines

NR - Not Required

Notes:

1. This design meets or exceeds the minimum factors of safety required by Risi Stone Systems based on the design parameters listed above. The analysis was conducted in accordance with the National Concrete Masonry Association Design Manual for Segmental Retaining Walls, Second Edition.
2. This is a preliminary, non site-specific design. If used for construction, a qualified Engineer must be retained to review/approve the design, confirm site conditions, and inspect construction.
3. No analysis of global stability, total or differential settlement, or seismic effects has been performed.
4. This design is only provided to illustrate the general arrangement of the SRW structure. This drawing must be used in conjunction with the related Detail Drawings and Specifications for proper design and construction.
5. Structures such as handrails, guardrails, fences, terraces, and site conditions such as water applications, drainage and soil conditions, additional live and dead loads, etc., have significant effects on the wall design and must be reviewed/ approved by a qualified Engineer before being used in conjunction with this design.



RisiStone
retaining wall systems

8500 Leslie Street, Suite 390
Thornhill, Ontario
Canada, L3T 7M8
Tel 905.882.5898 Fax 905.882.4556
<http://www.risistone.com>

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RiverCrest[®]
Retaining Wall
Gravity Section
570mm (1.87ft)
Site: Horizontal - Clays
Infill: Granular

RCGBHA157