

Design Information	
Groundwater Level	3.03 m
Base Level of Liner under stone	2.75 m
	0.6 m
Weight of Water	1000 kg/m ³
Weight of Granular Stone	1522 kg/m ³

Potential uplift buoyancy forces per metre: $F_{uplift} = V \times W_g$ **280 kg/m**

Weight of granular fill on top of liner: $W_s = V \times W$ **913 kg/m**

Therefore, resultant downforce per metre: FOC **3.26** << Must be minimum factor of safety of 1.1