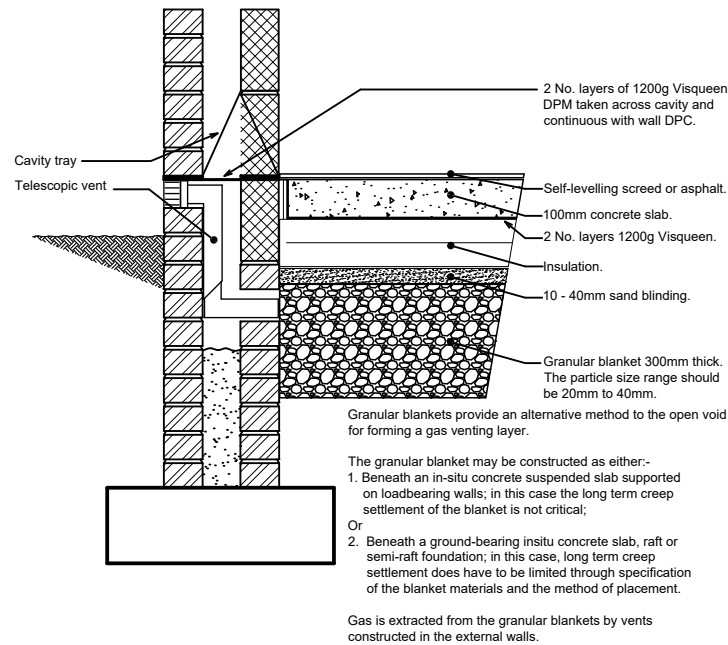


**LANDFILL GAS SITES**

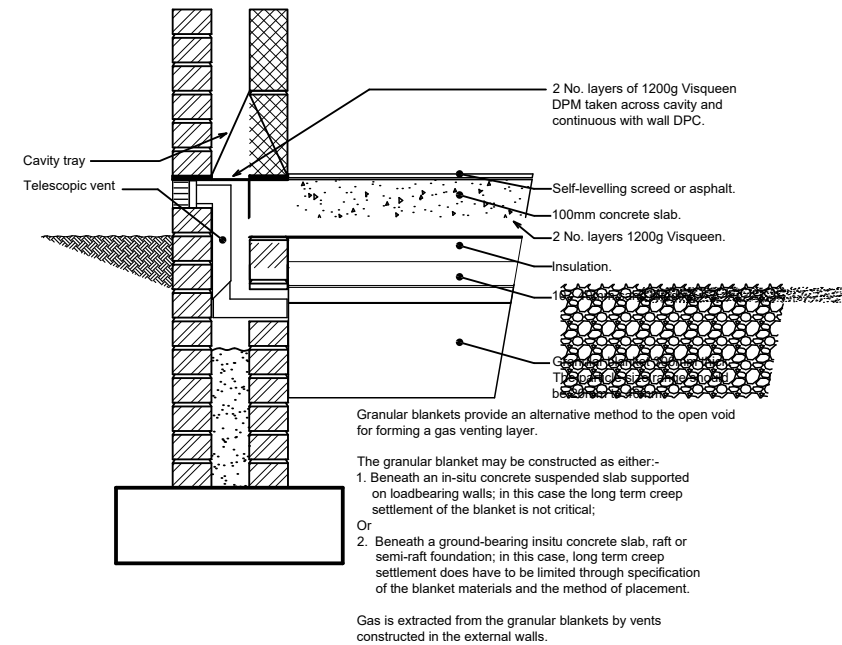


**BLANKET BENEATH A GROUND BEARING IN-SITU CONCRETE SLAB, RAFT OR SEMI RAFT FOUNDATION.**

The blanket should be constructed only from angular and sub-angular crushed rock or concrete. The particle size range should be 20mm to 40mm.  
 The blanket should be placed and compacted in layers no more than 150mm thick. The design thickness of the blanket should take into account the width of the building, the size and permeability of the aggregate used and whether gas drains are included. Blankets would not normally exceed 600mm in thickness, but should not be less than 300mm without gas drains or 150mm with gas drains at 2.0m centres. In all cases, the thickness of the granular blanket should be at least 100mm greater than the diameter of the gas drain.  
 The use of granular blankets should be restricted to sites with low groundwater level and where the underlying soils are free-draining.

**SECTION THROUGH GROUND BEARING SLAB  
(DOMESTIC EXTENSIONS ONLY)**

**LANDFILL GAS SITES**



**BLANKET BENEATH AN IN-SITU CONCRETE SUSPENDED SLAB SUPPORTED ON LOADBEARING WALLS**

The blanket should be constructed from crushed rock or concrete or natural gravels having a minimum size of 20mm. The particles can be angular or rounded and only minimal compaction should be applied to the layer.

**SECTION THROUGH SUSPENDED GROUND FLOOR SLAB  
(DOMESTIC EXTENSIONS ONLY)**

<b>CLIENT:</b> MR J. WELSBY	<b>CONTRACT</b> 100	<b>DWG.</b> 03	<b>REVISION</b>	<b>SCALE</b> 1:20	<b>@A3</b>	ASTHALL COTTAGE 20 MAIN STREET BILLINGE NR. WIGAN LANCASHIRE WN5 7HR  TEL: 07426817142 EMAIL: INFO@STRUCTUREUPLIMITED.CO.UK	
	<b>PROJECT:</b> 2 CANAL BANK APPLEY BRIDGE, WIGAN WN6 9AW				<b>DATE</b> Nov 2023		
<b>DRAWING TITLE:</b> PROPOSED GAS PROTECTION DETAILS							