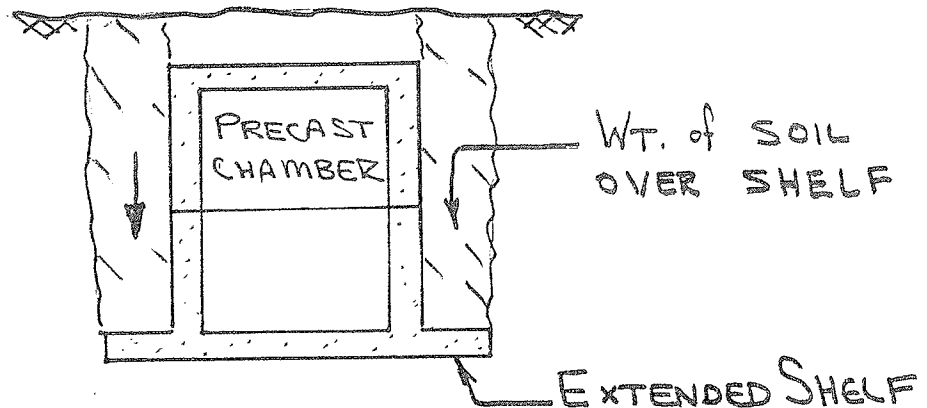


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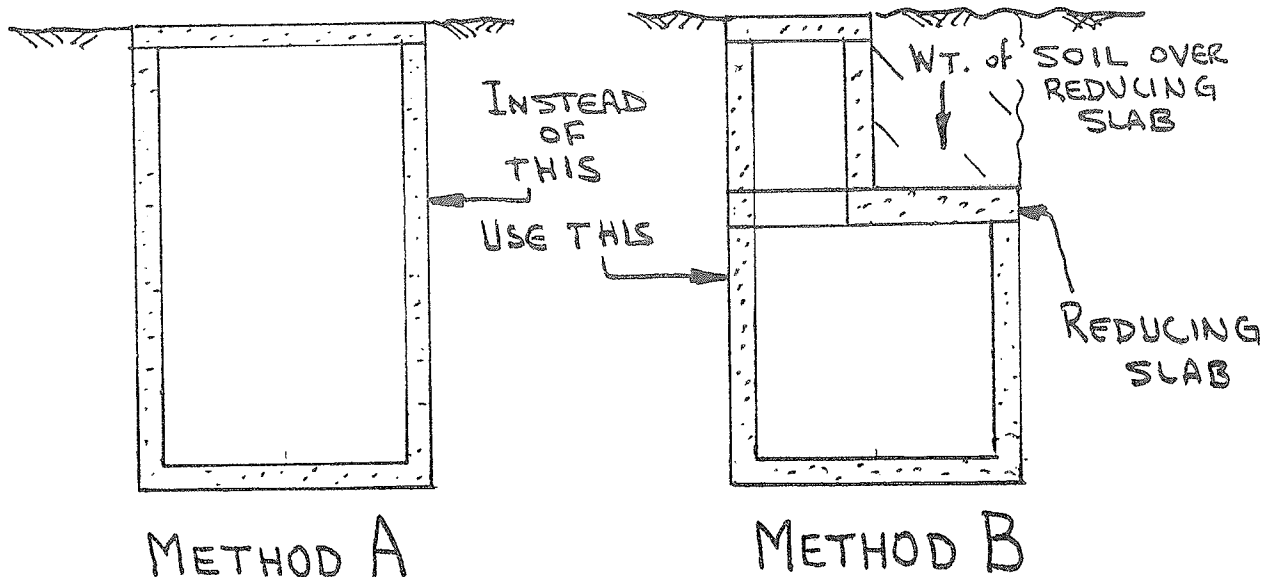
B. Use Weight of Soil

1. Extending the bottom slab to create a shelf outside the walls of the structure adds resistance to the buoyant force. Additional weight comes from the soil above the shelf.



Resistance to floating can be increased by enlarging the size of the shelf. This method in many cases is the most cost effective solution to controlling the flotation problem.

2. Soil on top of a structure will add resistance to buoyancy. Where possible use reducing slabs to take advantage of this weight.



Method B has an additional advantage over Method A in that the total buoyant force can be lower because less water is displaced.