Remarks

1. Building type, materials and final dimensions of the entire building or parts of it, depend on the specific application (i.e. dimensions of concrete manhole rings) and its static requirements.
2. Structural analysis has to be carried out in each specific case.
3. Safety against flotation of concrete structures has to be checked and ensured.
4. Backfill and layer of top soil must be compacted in layers of 30 - 50 cm depending on local soil conditions.
5. Pipe installations inside the building can be carried out in stainless steel or polyethylene.
6. For all pipes, watertight pipe penetrations must be provided.
7. Drain pipe must be directed into a stream or discharge channel. The pipe must be protected from small animals with grating.
8. The overflow and the drain must be dimensioned to allow for draining off the maximum spring capacity without restricting the spring flow.

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Reference Designs for Rural Water Supply Systems
Project Plan
Spring Chamber
Plan View, Sections