



# GeoVault® Installation Instructions

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**Unloading:** Use extreme safety precautions when unloading, transporting and setting the GeoVault® in place. The GeoVault® comes with chain hooks attached to the top of the vault to be unloaded and set in place with a crane. The weight must be evenly distributed between all chain hooks provided. A GV12 or smaller GeoVault® can also be unloaded (but not set in place) using a large forklift provided it has enough capacity to carry the weight and the forks extend the complete width of the base. The vault can be picked up from the bottom with chains attached to the chain hooks provided at the top of the vault to secure it from tipping off the forks. Use extreme caution in regard to weight distribution. General guidelines for weight and size can be referenced from the GeoVault® Data Sheet.

**Vault Pit Preparation/Placement:** The GeoVault® is to be set on a level base consisting of 18" of compacted pea gravel. Final grade should be a minimum of 3" below the vault's manhole cover to avoid surface water from standing directly on the manhole entry into the vault. The finished surface can be sloped up to the top of the manhole cover for a flush transition.

**Concrete Pour:** Once the GeoVault® is correctly positioned in the vault pit, 4,000 psi concrete is then poured into the vault form and screeded off the top of the form. All concrete is to be vibrated into place to ensure complete placement within the form without any voids. The required concrete volume can be referenced from the GeoVault® Data Sheet.

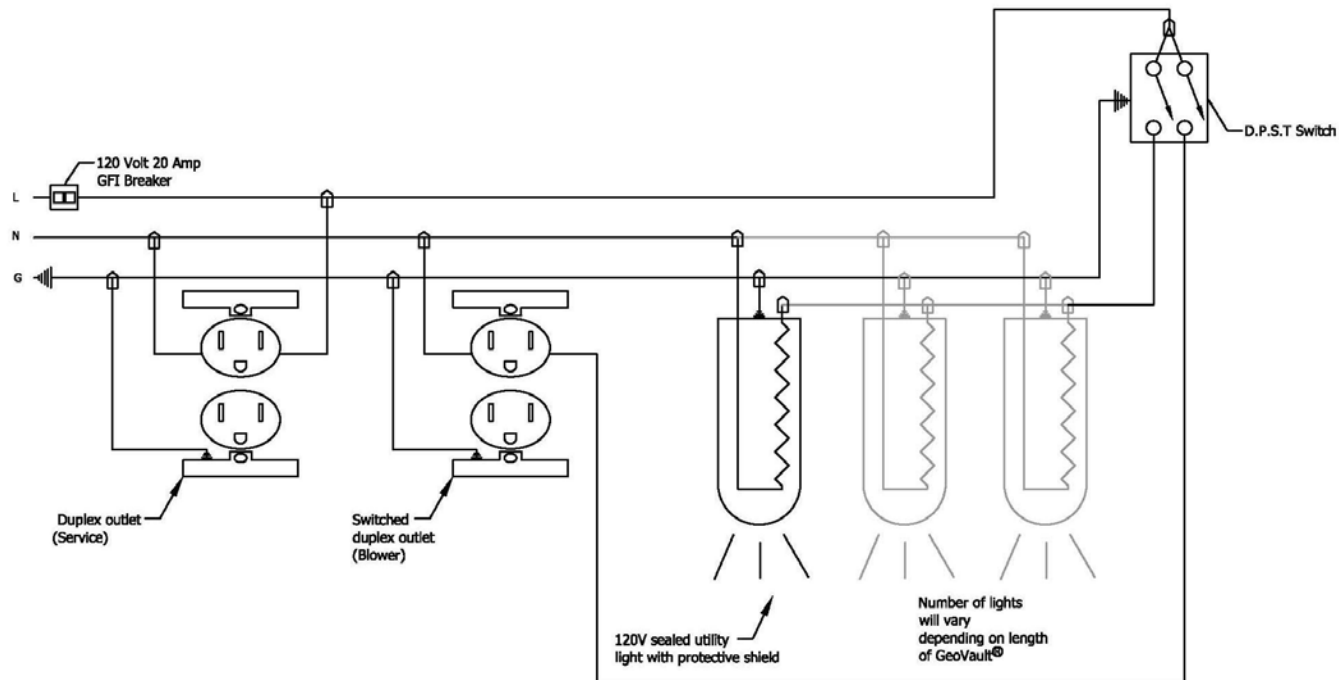
**Sump Pump and Pit:** The GeoVault® is supplied with a sump pump and stainless steel pit that is bolted into place with a gasket after the vault is set. The sump pump comes prewired with a mercury switch that is plugged into the service/utility outlet. The sump pump is plumbed out of the vault with 1 ¼" HDPE pipe that needs to be connected to a storm drain, drain tile or some discharge point with minimal backpressure. Discharge pipe size may need to be increased at the point of hookup for long discharge piping lengths or increased discharge elevation. See sump pump curve sheet for more design information.

**Electrical:** The GeoVault® comes with 1" electrical conduit stubbed out of the vault and includes all light fixtures, outlets and switches that are pre-mounted within the vault. The GeoVault® is not prewired and must be field wired by a licensed electrician within the state of installation. Electrical requirements are 60 Hz, 120 Volt - 20 Amp GFI circuit. A suggested wiring schematic is included with this installation guide, however the state electrical codes would supersede all recommendations presented.

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## GeoVault® Electrical Schematic



### NOTE:

Electrical schematic is a recommendation only.  
Wire according to state and local code. Must be  
wired by a licensed electrician according to state  
and local codes.

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