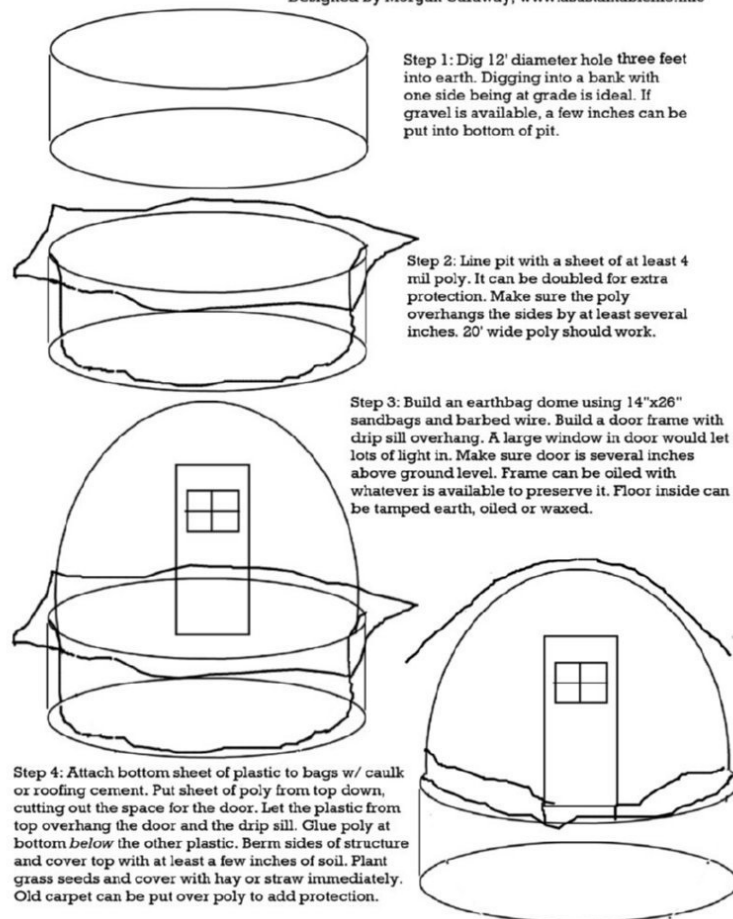


## 1/2 Hill House - Underground/Bermed Earthbag Dome

This is a simple idea that I've been working on lately. I plan to build a guest house/storm shelter based on this idea in the near future.

### Underground/Bermed Earthbag Dome

Designed by Morgan Caraway, [www.asustainablelife.info](http://www.asustainablelife.info)



### Solution

In the US, 500 sandbags run around \$150. You would need part of a roll of barbed wire (\$35?), a couple of pieces of 20' poly (\$30?) a used or home made door and wood for a frame (could be harvested on site). Total cost would definitely be well under \$300. The finished structure would be fire proof, earthquake resistant and hurricane/flood proof as long as it isn't built in a flood plain. Making the door face south in the N. hemisphere and north in the S. hemisphere would give one a little solar gain and more light in the winter. House is definitely suggested for places with a comfortable ground temperature and would require no heating or cooling. In places with a high water table, dome could be built at grade level or above, on a mound, and then bermed, one could dig a pond for the earth. Sorry my drawing is so primitive. For details on how to build an earthbag dome, one can refer to the book "Earthbag Building" or look it up online.

2/2 **Hill House - Underground/Bermed Earthbag Dome**

This is a simple idea that I've been working on lately. I plan to build a guest house/storm shelter based on this idea in the near future.

Creative's profile



**Morganic**