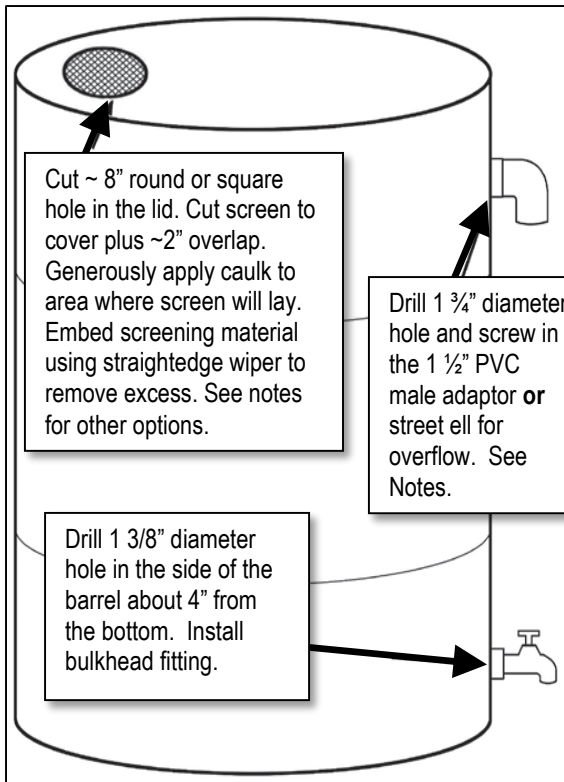




## Rainwater Collection System (simple/inexpensive)



### Supplies and Hardware (local or online):

- 50-55 Gallon food-grade plastic barrel w/removable lid (Fig 5)
- 3/4" Brass Hose Bib w/male pipe threads (Fig 1)
- 3/4" Bulkhead fitting (Fig2)
- Overflow/2<sup>nd</sup> barrel attachment:
  - 1 1/2" male-threaded street ell (Fig 3) **OR**
  - 1 1/2" male-threaded adaptor (Fig 4)
- 8" dia. insect screen to catch debris/prevent mosquitoes. (Fig 6)
- Small tube of silicone caulk. Generously use around hole to embed mosquito screen into. (not shown)



Fig. 1



Fig. 2



Fig. 3

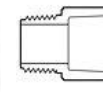


Fig. 4



Fig. 5



Fig. 6

### NOTES:

- Do not allow water to overflow and saturate the ground around the foundation. Send it away from the foundation.
  - Attach a flexible hose or tubing to the overflow fitting to divert water to garden beds or, better yet, make a rain garden
- Connect two barrels using the overflow connection (optional).
- The insect screening is to collect debris and prevent mosquitoes from getting in the water.
- Place barrel on cinder blocks or stand in order to get a bucket under the hose bib.
- Consider winter storage options to avoid freezing damage.
- **DO NOT USE THE WATER FOR DRINKING PURPOSES!**



## Parker County Master Gardener Association

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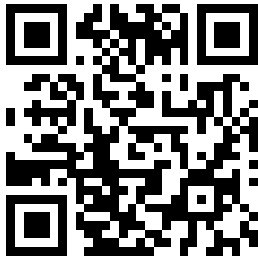
**Hose thread** fits on a **garden** hose; pipe threads fit the other connections.

### Terminology

<b>MHT</b> =	Male Hose Thread
<b>FHT</b> =	Female Hose Thread
<b>Mips</b> =	Male Pipe Threads (Npt)
<b>Fips</b> =	Female Pipe Threads (Npt)
<b>Npt</b> =	National Pipe Threads Tapered

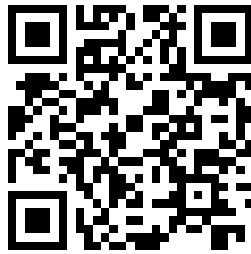
**Want more information and more details?** Check out these from Texas A&M AgriLife Extension, and others. Use the **QR** scanner on your phone or enter the URL in your browser. Get QR scanner for [Android](#) or [iPhone](#).

#### AgriLife<sup>1</sup> Rainwater Harvesting Website



<http://goo.gl/omLZFM>

#### Texas Manual on Rainwater Harvesting<sup>2</sup>



<http://goo.gl/CCYiNu>

#### Making a Rain Barrel<sup>3</sup>



<http://goo.gl/7LoVxJ>

#### Rainwater Harvesting | Landscape Methods<sup>4</sup>



<http://goo.gl/yhCEzA>

### Kits (\$\$):



Google "EarthMinded Rain Barrel Diverter"



Google "EarthMinded Linking Kit"



Google "Sump Pump Discharge Hose Kit"

<sup>1</sup> Texas A&M AgriLife Extension Service

<sup>2</sup> Texas Water Board

<sup>3</sup> Woodson, D. et al. Texas Water Resources Institute of Texas A&M AgriLife Extension Service, Pub L-5518, May 2012

<sup>4</sup> Leshikar, B. Texas Water Resources Institute of Texas A&M AgriLife Extension Service, Pub L-5498, May 2008