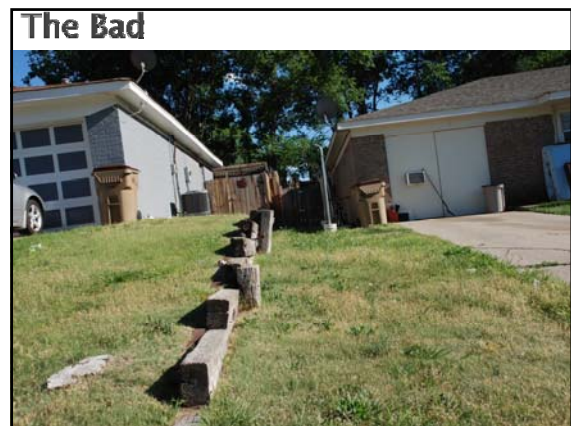


Retaining Walls

The Good, The Bad, and The Ugly
Clay Robinson, PhD, PG
WTAMU 2009



- ### Design components
- ▶ Vertical supports
 - Grouped in threes, probably buried 2:1 (buried twice depth above surface)
 - Regular intervals
 - ▶ Split levels, so not all weight on one level
 - ▶ Identify challenges in the next three slides.
 - What design components are different?
 - What is the result of the skimpy design?



Concrete retaining walls

- ▶ The next two slides show walls about the same age. The last slide shows a wall only about two years old.
- ▶ Compare the first two. The first likely uses friction strips to use the soil to help hold the retaining wall in place.
- ▶ What concerns do you have about the last example. (Consider down slope from the retaining wall.)

The Good



The Ugly



The ????

