WATER CONSERVATION IN WEST TEXAS

CITY OF LUBBOCK'S WATER SOURCES

- Bailey County Well field
- Lake Alan Henry (about 25% of Lubbock's water supply max)
  - Currently 75% full
- Lake Meredith (currently 5% full)
- Future proposed: Roberts County Well field pipeline

WATER CONSERVATION GOALS

- Implement conservation efforts before they are required by municipality
- Educate customers
- Be an example of an attractive "Water Smart" conservation effort

WATER CONSERVATION GOALS

- Give builders and developers tools to succeed
  - Examples, options, competitive pricing to keep cost low
- Work alongside City of Lubbock with conservation efforts in order to avoid ordinances
- Have an inspection and certification for “Water Smart” implementation

WATER CONSERVATION PARTNERS

- Lubbock Chamber of Commerce
  - Developed the “Water Smart” tagline
  - Water Smart Business Awards
- High Plains Water District
  - Education outreach and information
- City of Lubbock

WATER CONSERVATION PARTNERS

- Lubbock Master Gardeners
  - Developed Water Smart plant list of native species (updated annually)
- Texas AgriLife (Vikram Baliga)
  - Education and overall resource to all things water
- Local irrigation and landscape businesses
- Local builders

TOP WATER CONSERVATION AREAS

- Landscape layout
  - Hard surface percentage vs irrigated percentage
- Irrigation
  - Customer education
  - Design and management
- Drip
- Water reclamation
- Inside the home

EDUCATION

- Working with Texas AgriLife
  - Local water conservation professionals
- Proposed Instructional Videos
- Informational outlets
  - Texas Tech Turf Center: Dr. Joey Young has been a guest speaker
  - HPWD and Texas AgriLife are both involved in hosting and participating in local water conservation programs
  - Using Homes for Heroes and Parade of Homes for platforms and examples

WORKING WITH THE CITY

- Helping develop commercial ordinance for landscape requirements
- Have developed a great working relationship with city staff and WTHBA water conservation subcommittee
- Improve resource list for City of Lubbock on Water Conservation

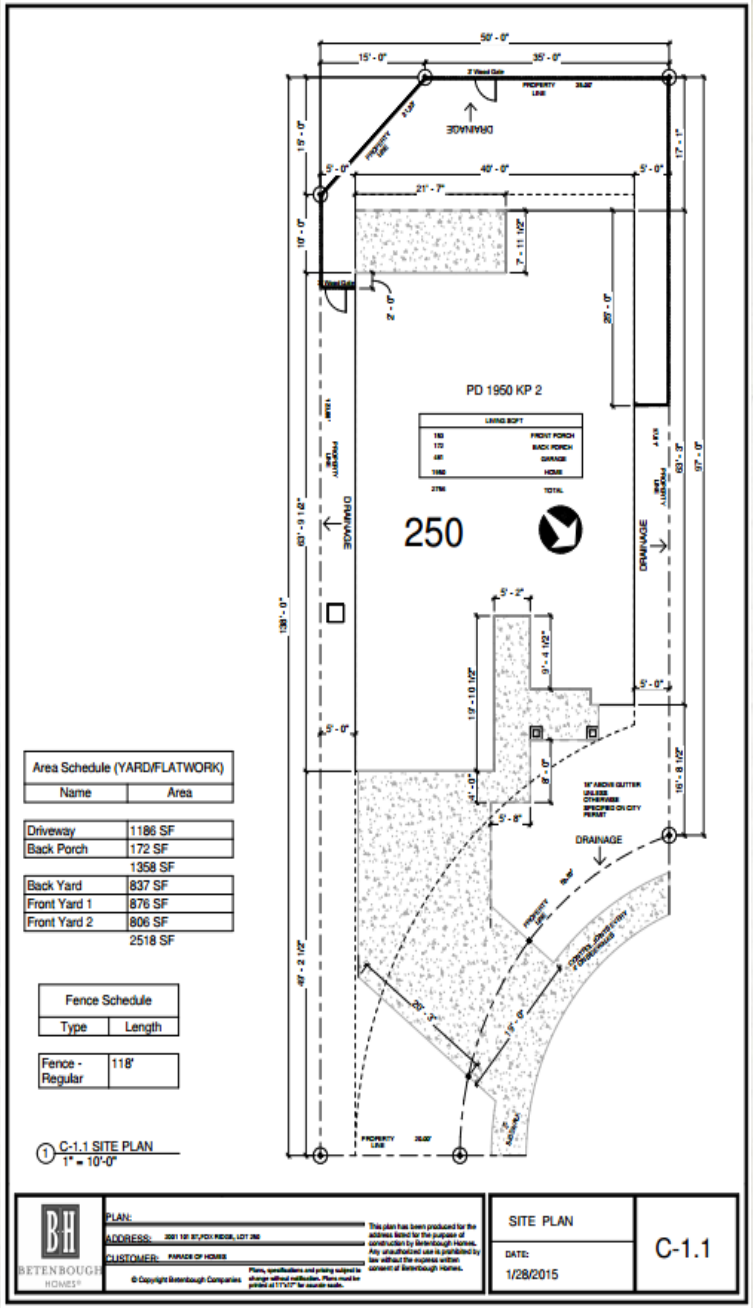
WATER SMART CERTIFICATION

- Indoor portion
  - Low water usage items
    - Aerators
    - Low flow/dual flush toilets
    - Low gallons/minute shower heads
- Outdoor portion
  - Irrigation
    - Sprinkler heads
    - Smart controllers
    - Moisture sensors
    - Rain/freeze sensors

WATER SMART CERTIFICATION

- Percentage of drip
- Subsurface Drip irrigation for turf
- Gray water system
- Run off (is there any)
- Rain Catcher

- Landscape layout
  - Percentage that is irrigated
  - Native plants/trees/shrubs used
  - Mulch

PARADE HOME

- 50% turf Irrigated with subsurface drip
- 1 planting bed (1 front and 1 in back)
- 1 3” native drought tolerant tree
- Xeriscape remaining and side yard