

# Drainage Utility Implementation

The City of Sunset Valley, Texas  
September 1, 2010

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# What is a Drainage Utility?

- User-Fee Based Drainage Management Program, Like Water and Electric
- Fees Based on Run-Off Characteristics, not Property Value
  - Impervious Cover, i.e.-rooftops, driveways, parking
- Fee Collected on City Monthly Utility Bill
- Must Comply with TxLGC
- Over 60 Drainage Utilities in Texas

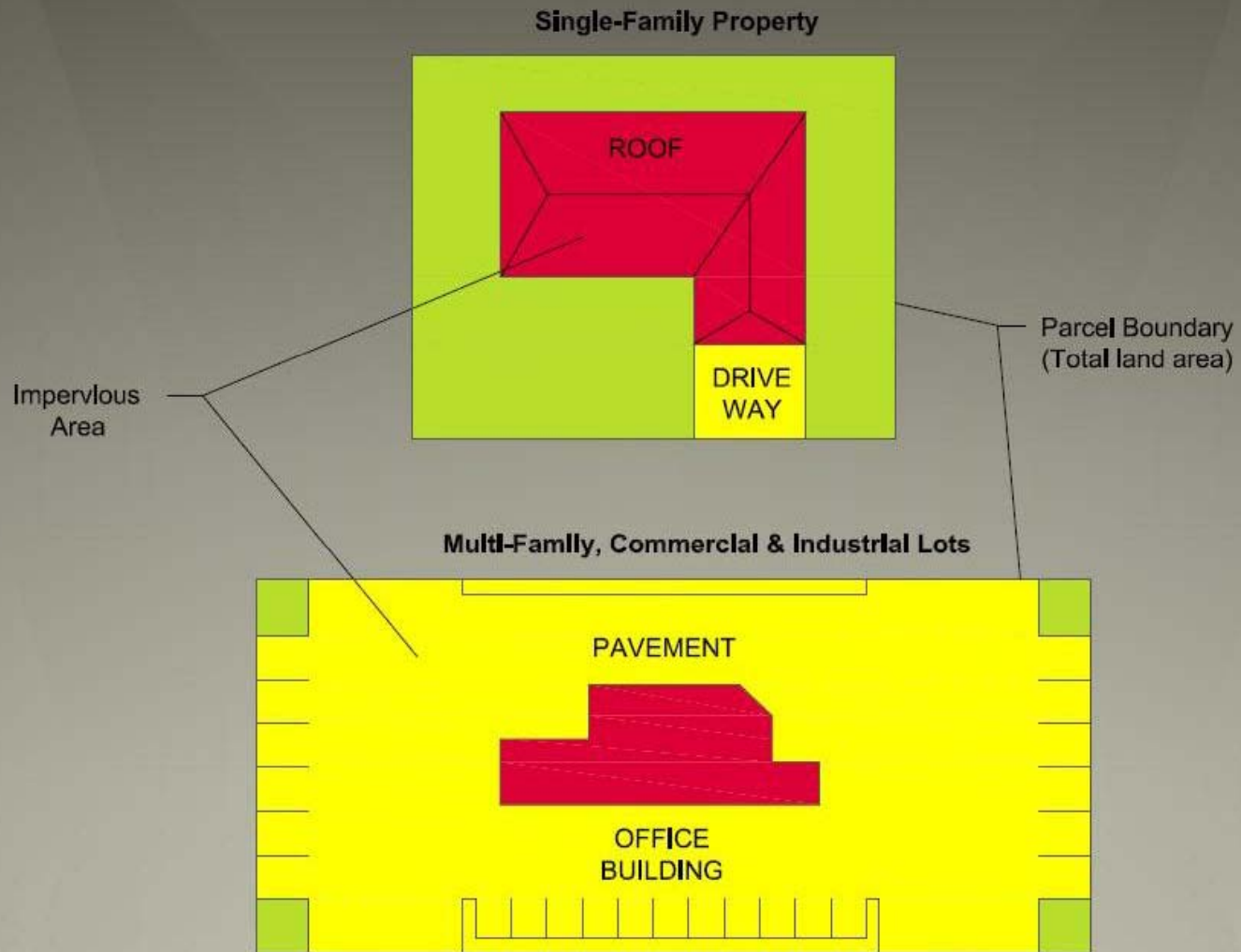


# Drainage Utility Advantages

- Provides Stable, Long-Term Program Funding
- Equitable-Fees Based on Runoff Characteristics
- All Revenue Used for Drainage Purposes



# UTILITY BILLING RATE BASIS



# Land Data Evaluation

## Primary Data Sources

- City Parcel Impervious Area Data
- City Parcel Area Data
- City Land Parcel Boundary GIS Map
- Ortho Imagery (2009)

## 291 Land Parcels Evaluated

- 265 Single-Family
- 26 Commercial



# Utility Rate Structure

## ■ Impervious Area Basis

## ■ ERU Value-3,350 square feet IA

## ■ Single-Family: Three Tiered

- Tier 1 “Small”            0.55 ERU, <3,253 sq ft IA
- Tier 2 “Average”        1.0 ERU, 3,253-6,980 sq ft IA
- Tier 3 “Large”            1.7 ERU, >6,980 sq ft IA

## ■ Commercial

- 13.0 ERU per Acre Impervious Area



## COMMERCIAL BILLING RATE CALCULATION

$$\# \text{ Billing Units} = \frac{\text{Parcel Impervious Area}}{3350 \text{ square feet}}$$

$$\text{Charge \$} = \frac{\# \text{ Billing Units}}{\text{Parcel}} \times \$ / \text{Unit}$$



# City of Sunset Valley Utility Revenue Estimate

Monthly Billing Unit Rate	Annual Revenue
\$4	\$100,200
\$5	\$125,300
\$6	\$150,400

Includes AISD Property



# Current Monthly Billing Rates

City	Residential ERU	Commercial 1 acre@ 90% IC
San Marcos	\$3.96	\$70
Georgetown	\$4.25	\$80
College Station	\$5.00	\$93
Austin	\$7.75	\$172



# Priority Projects

- Voluntary Acquisition of Flood Prone Properties
- Drainage Easement Acquisitions
- Structural Improvements to Low Water Crossings and West Gate Bridge
  - Improve flow capacity up to 5 year event
- Natural Waterways Program
  - Creek debris removal



# Schedule

- Public Meetings September 1, 2010
- Public Hearings
  - Utility Ordinance September 7, 2010
  - Fee Ordinance September 21, 2010
- Initial Billing October 2010



END

