



Watershed Protection Ordinance (WPO)

Stakerolder Meeting:

Chapter 25-7 Dainage; Erosion Hazard
Prevention

Chapter 25-2 Zoning: Planned Unit Development Environmental And Other Items

April 19, 2013

Meeting Objective

- Review and solicit feedback on staff drafts of four code sections, including:
 - drainage,
 - erosion hazard protections, and
 - Planned Unit Development (PUD) environmental provisions.

Meeting Agenda

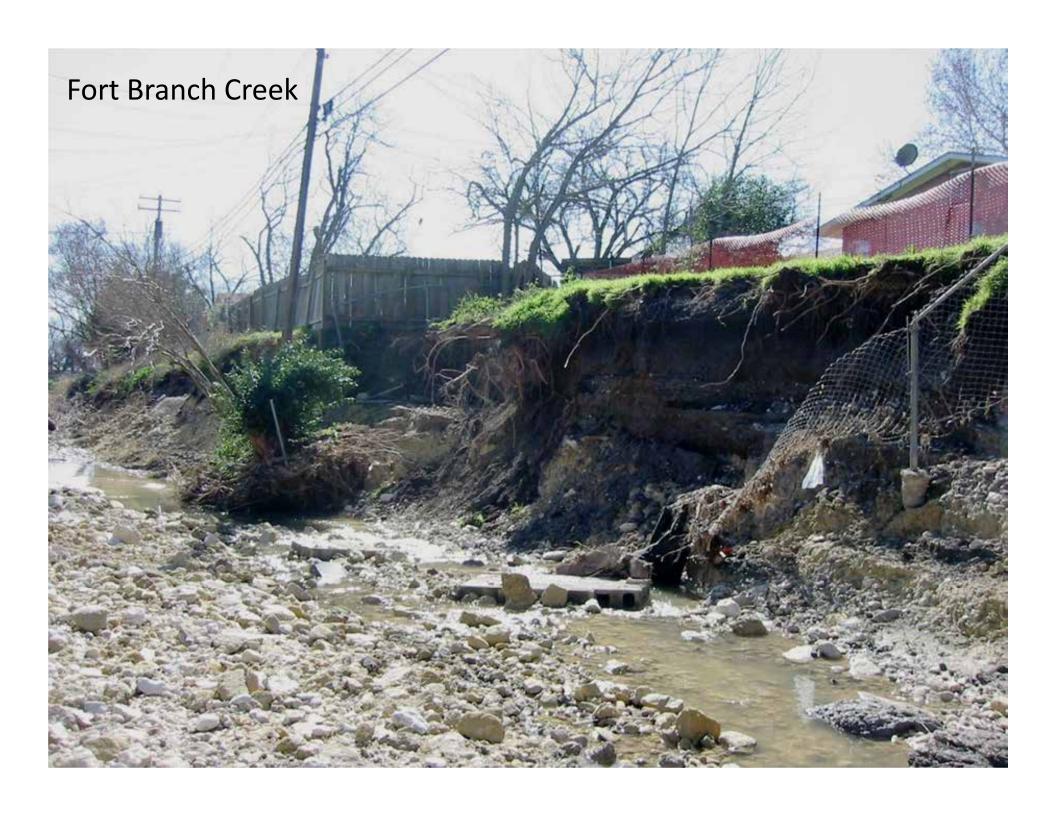
•	Arrival	s &	Introd	luctions		[10	min.	
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Review Staff Draft of 25-7 Drainage Code [50 min.]

• Break [10 min.]

Review Staff Draft of 25-2, 4, & 8B Code [40 min.]

• Wrap-Up [10 min.]







- Erosion Hazard Zone Analysis (§25-7-32)
 - Only applies where development is within 100 feet of the centerline of a waterway with a drainage area of 64 acres or greater or where significant erosion is present.

- Pool-Riffle Sequences v. Nuisance Pools (§25-7-61 (A)(3))
 - Allow pool-riffle sequences that may be part of natural channel design projects.
- No Downstream Erosion Impacts (§25-7-61 (A)(5)(d))
 - Prevent damage to structures, infrastructure and creeks and avoids associated public & private costs.
 - Handle with existing sed-sand filter designs & energy dissipation provisions.

- Erosion Hazard Zone Considerations (§25-7-61)
 - Locate outside EHZ or provide "protective works"
 - Analysis only required for development within 100-feet of stream centerline
 - New Suburban buffers cover all Erosion Hazard Zones (horizontally)
 - Criteria available now; soon in Environmental Criteria Manual

- Dedication of Easements and Rights-of-Way: Easement Width on Waterways (§25-7-152)
 - Current code requires a 25-foot easement: can be inadequate for erosion hazard prevention and/or maintenance access.
 - Solution: Require easement follow Drainage Criteria Manual (DCM) and provide maintenance access.
 - Avoids unsustainable environmental & economic costs to correct erosion hazards; ensures ability to maintain waterway (large enough for equipment, etc.).

- Tier 2 PUD Zoning Watershed Protection Elements
 - 1. Comply with current code (decline to use grandfathering)
 - 2. Use superior water quality controls [no change]
 - Provide innovative water quality controls for more than half of water quality volume
 - 4. Treat off-site, untreated, developed land
 - 5. Reduce impervious cover by five percent (but not single-family density)
 - 6. Provide 50-foot buffer for 32-acre creeks (not 5-acre)
 - 7. Provide volumetric flood detention

- Tier 2 PUD Elements (continued)
 - 8. Provide drainage upgrades to substandard, off-site drainage infrastructure
 - 9. Propose no modifications to existing 100-year floodplain
 - 10. Use natural channel design techniques
 - 11. Restore vegetation in Critical Water Quality Zones
 - 12. Remove impervious cover in Critical Water Quality Zones
 - 13. High level of tree preservations: all heritage trees; 75% of native protected trees; 75% of all native caliper inches
 - 14. Plant trees with native Central Texas seed stock & adequate soil volume

- Tier 2 PUD Elements (continued)
 - 15. Provide 50+ percent increase in waterway and critical environmental feature setbacks
 - 16. Cluster impervious cover & disturbed areas to preserve the most environmentally sensitive areas (not otherwise protected)
 - 17. Provide porous pavement for 50+ percent of all paved areas for pedestrian use
 - 18. Provide porous pavement for 20+ percent of nonpedestrian paved areas
 - 19. Provide publicly accessible multi-use trail and greenway along creek or waterway

- Tier 2 PUD Elements (continued)
 - 20. Direct stormwater runoff from impervious surfaces to landscapes on twice the area normally required
 - 21. Employ other creative or innovative measures to provide environmental protection
- Originally 10 elements outlined; now 21

- Other proposed changes
 - Landscaping conflicts don't trump drainage and environmental provisions
 - Trail compatibility clarifications (to enable trails)
 - Rain gardens compatible with residential zoning (do not require compatibility setbacks)
 - Delete redundant porous pavement section in Commercial Design Standards (handled now in 25-8)

25-4 Subdivision Code

- Easements for public utilities and drainageways (§ 25-4-132)
 - All easements shall be dedicated to public use for the named purpose and shall be aligned to minimize construction and future maintenance costs.

25-8 Environment, Subchapter B

- Shoreline Relocation/Lake Fill Section (§ 25-8-652)
 - Move (without change) code sections from § 25-7-63
 - Consolidates, makes consistent

- Endangered Species Sections (§25-8-691 to 695)
 - Update Endangered Species sections to comply with state requirements and reflect present practice
 - No habitat survey to City
 - Pared down notification by City

Next Stakeholder Meeting Topics

May 17*

Friday

Hydrology and Urban Design, Part 1

Volume Based Hydrology; Green Infrastructure;

Payment-in-lieu of Water Quality; On- and Off-Site Mitigation

May 31*

Friday

Hydrology and Urban Design, Part 2

Volume Based Hydrology; Green Infrastructure;

Payment-in-lieu of Water Quality; On- and Off-Site Mitigation

^{*} Pushed back two weeks from previous schedule

Adoption Schedule

Council Resolution	January 2011		
Stakeholder Meetings: Input	Sep. 2011 – April 2012		
Staff develops Draft Ordinance	April – November		
Brief the Environmental Board	December 5		
Stakeholder Meetings: Draft Ordinance*	Dec. '12 – May 2013		
Finalize Ordinance/City Department Review*	June		
Boards & Commissions*	July		
City Council	August		
Travis County Commissioner's Court	Fall		

^{*} City staff also happy to meet with interested groups upon request.

Contact Information

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http://www.austintexas.gov/page/watershed-protection-ordinance-0