




## National Flood Insurance Program (NFIP) Projects

**Formal SEMSWA  
Flood Awareness  
Public Education  
Plan**

**Community Rating System  
(CRS) Credit**



## New Stay Safe Outreach Materials



**BANNER**



**LOGO**



**POSTER**



**...RESULTED IN STAY SAFE BOOTH FOR THE ECO  
PARK OPEN HOUSE AND WESTERN WELCOME WEEK**

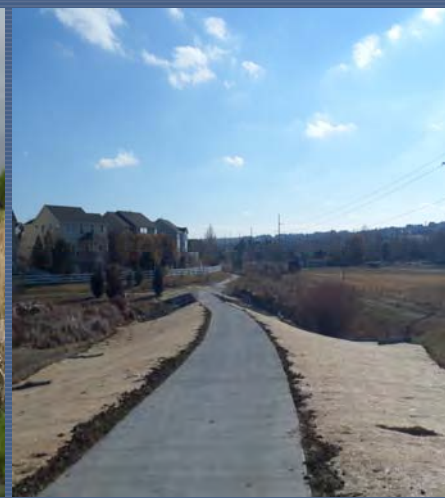
## Stay Safe Education Series Brochures



## Piney Creek Trail Crossing at Greenfield



Before



After

## National Flood Insurance Program Reform

Biggert-Waters Flood Insurance Reform Act of 2012 – signed into law July, 6 2012

1. **Removes previously subsidized rates**
2. **Allows new policy rates to increase 25% per year until actuarial rates are achieved**
3. **Existing policy rates can increase to 20% per year over 5 years**
4. **Premium payment plan instead of lump sum**
5. **Many more technical changes**

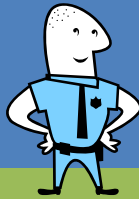


## Special Projects in Process for 2013

1. Violation SOP for City Floodplain Management Regulations Annual Floodplain Development Permits
  - ♦ UDFCD
  - ♦ SEMSWA Maintenance
  - ♦ Parks and Recreation Districts
  - ♦ Utility Companies
  - ♦ City's Annual Street Maintenance Program
2. Update LDC with new State Rules and Regulations
3. Checklists for Floodplain Modification Reports – V 2.0
4. Update to the SEMSWA Stormwater Management Manual

## ENFORCEMENT OF FLOODPLAIN MANAGEMENT REGULATIONS

- Shared responsibility with the City's Code Enforcement Department
- Current examples to follow



### Standard Operating Procedures (SOP) for Enforcement Related to Floodplain Violations

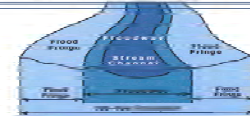
The purpose of this Standard Operating Procedure (SOP) for Enforcement Related to Floodplain Violations is to outline proper enforcement responses to floodplain violations within the City of Centennial.

#### Regulatory Mechanism/Code Reference

The City of Centennial's Flood Damage Prevention Code (FDPC) outlines enforcement of the floodplain and the process for obtaining a Flood Development Permit. The specific sections cited out below govern the use of the Special Flood Hazard Areas (SFHAs) as identified by the Federal Emergency Management Agency on the "Flood Insurance Rate Map (FIRM)" and in the "Flood Insurance Study (FIS)" dated December 31, 2010, which include the flood fringe and floodways (see Figure 1, Special Flood Hazard Area (SFHA)). Staff in the Centennial Floodplain Group have access to the most recent SFHA information and should be contacted with any questions regarding the designated SFHA, Floodplain Group, staff knowledge, the meaning of the sections should be referenced for authority to prohibit and enforce violations associated with the floodplain.

- FDPC, Division 2-2, Section 2-2-2-300 Use of Special Flood Hazard Areas (SFHA), Floodplain Fringe and Floodway. Sets the permitted uses and restrictions of land that is within the Special Flood Hazard Area (SFHA), Flood Fringe or Floodway, and performance standards for the construction and operation of the area. All uses of the SFHA shall comply with applicable floodplain management regulations contained in Division 2-3, Floodplain Management, and Flood Damage Prevention, as may be amended from time to time and the Centennial Municipal Management Manual.
- FDPC, Division 2-2, Section 2-2-2-301 General Provisions. States "No structure or land area be constructed, located, extended, converted, or altered without full compliance with the terms of Article 2, Open Space, Floodplain Management, and Environmental Quality, and other applicable regulations. Where Article 2, Open Space, Floodplain Management, and Environmental Quality, conflicts or overlaps with another section, easement, covenant, or deed restriction enforceable by the City, whichever imposes the more stringent restriction shall prevail."
- FDPC, Division 2-3, Floodplain Management and Flood Damage Prevention, sets out the technical standards and restrictions for development within the special flood hazard areas within the City and should be referenced in conjunction with Division 2-3 for violations associated with a Floodplain Development Permit.

- FDPC, Division 2-3, Section 2-3-2-301. Violations provide the City with the legal language for violations of the LDC and states, "Each violator may be a continuing violation that be enforced as a separate violation of the LDC."



FDPC, Division 2-3, Section 2-3-2-302, Enforcement Orders, Permit Denial and Judicial Remedies, provides the enforcement tools that can be used to enforce violations of the LDC.

**Authority:**  
LDC, Division 1-3, Section 1-3-3-300, Floodplain Management Manual designates the Floodplain Administrator as the Centennial Department Director. Authority ("SUPERVISOR") as a designee of the City Manager who ensures that the regulations of this LDC with regard to

## Floodplain Regulation Violations (City)



### Piney Creek Ranches

Homeowner rebuilt bridge after previous one collapsed and landed downstream during a minor storm event



Plan to resolve with next channel project



## Floodplain Regulation Violations (City)

### Cherry Creek

### Storage of materials in the floodplain



## Floodplain Regulation Violations (County)

### Goldsmith Gulch

Will likely become an issue when the LOMR for Goldsmith Gulch is reviewed by FEMA after the Phase 2 and Arapahoe Lakes Projects are completed



Encroachment into the floodway without a permit

## Floodplain Regulation Violations (County)

### Murphy Creek @ 6<sup>th</sup> Avenue



Many Properties have filled or are filling in the floodplain

- ◆ Must be approved by State and FEMA Region VIII
- ◆ Should simplify the no impact floodplain development permit process
- ◆ Only applicable to specific types of work
- ◆ Only applicable to certain "types" of agencies

**ANNUAL FLOODPLAIN DEVELOPMENT PERMIT**  
**FAIRFAX AND RICHMOND DISTRICT**  
 703-696-0066 www.fairfaxva.gov

A COPY OF THIS PERMIT AND THE SET OF SPECIAL CONDITIONS MUST BE ON SITE AT ALL TIMES.  
 This permit meets all floodplain permit requirements.  
 See Section 10.1.1.1, Section 10.1.1.2, and Section 10.1.1.3 of the Fairfax County Floodplain Management Ordinance for more information.

Project Owner: \_\_\_\_\_  
 Contact Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_  
 Zip: \_\_\_\_\_

Site of Construction(s) Must Be Indicated Prior To Permit Issuance.  
 Please attach sheet with complete contact information.  
 No work shall commence in less than the amount shown or they may experience delays in obtaining permits.

GENERAL Floodplain Manager Signature (Permit) is not valid until signed by SENIOR Floodplain Manager: \_\_\_\_\_ DATE: \_\_\_\_\_


**PERMIT SPECIAL CONDITIONS**

- The Floodplain Annual Permit will be applied for at the beginning of each calendar year and will expire on December 31<sup>st</sup> of the same year.
- Only Routine Maintenance Projects that are located outside the floodway and do not cause **FOURTH** to the floodplain are allowed under the Annual Floodplain Development Permit. These routine projects include the following:
  - Minor Repairs/Replacement
  - Pipe Repairs/Replacement
  - Channel, Washout, or Truck Channel (single or multiple)
  - Culvert Repair/Replacement (where necessary)
  - Check Structure Repair/Replacement (minor concrete system)
  - Deep Structure Repair/Replacement (minor concrete system)
  - Pump, Inlet, and Vault (minor)
  - Pump/Sediment Removal
  - Channel Sediment Removal (Note: Only if original design drawings are available and removal restores the original design report)
  - Culvert Sediment Removal (minor concrete system)
  - Vegetation plantings and removal (Note: only when the planting of up to 10 trees with additional trees, existing to be removed for trees)
  - Sign Installation (Note: Single poles only allowed, with 2 poles per sign; for in-water structures, this installation is allowed in the floodway.)
  - In-Channel Structures (Note: Only when the installation and removal of
  - Single Poles of Handrails that must be anchored in the floodway (Note: See acceptable anchoring methods)
  - The Placement of Handrails (Note: Removal of all handrails is prohibited, such as Bridges, Pedestrian, Crossings, Large Part Structures, etc.)
- All work must conform to the approved list of No Impact Floodplain Projects and meet the requirements of the City of Fairfax Land Development Code, the Fairfax County Subdivision Manual, as well as other applicable codes and regulations.
- It is the responsibility of the Permittee (Owner and Contractor) to receive and be familiar with the Floodplain Development Program and its requirements, available online at [www.fairfaxva.gov](http://www.fairfaxva.gov).
- This permit must remain active until such time as the permittee's activities with this permit have resulted in full clearance from the floodway. Failure to do so may result in non-compliance fees.
- This permit is revocable. Failure to comply with these terms and conditions may result in the revocation of this permit.
- Prior to construction of each project, a vicinity map or location map depicting the floodplain, and construction plans must be submitted (if applicable).

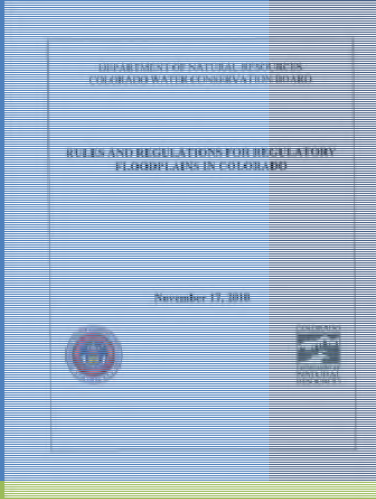
By signing below the Owner and Contractor certify the following: The information provided on this application is true to the best of my knowledge. I understand that this permit is granted under the special conditions listed above and differs from the annual floodplain development permit available for development. I agree that all permittee fees, terms, and general permit have been reviewed and will be followed properly as required by the permit.

Owner's Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Signature: \_\_\_\_\_


## Annual Floodplain Development Permits



## State of Colorado Updated Floodplain Management Rules and Regulations

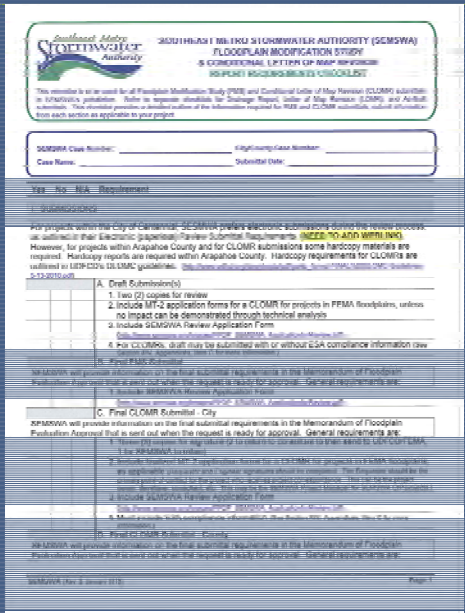


- ◆ **Must be adopted by City Council and BOCC by 1/1/14**
- ◆ **Draft of changes to the City Attorney – mid March**
- ◆ **Planning and Zoning – June**
- ◆ **City Council – 1<sup>st</sup> Reading - July**




## Floodplain Modification Study Checklists

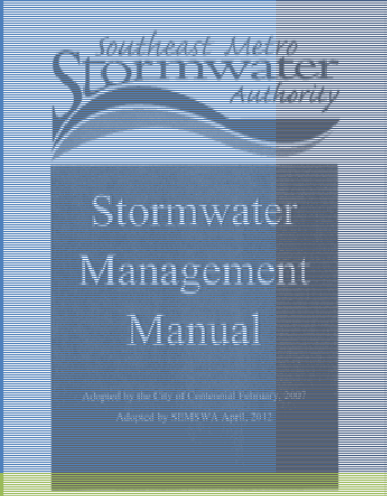
1. Updated and revised due to
  - ◆ Feedback
  - ◆ Implementation
  - ◆ Requirement Clarifications
2. Added applicability details
3. Added process details
4. Links








## SEMSWA Stormwater Management Manual Update



- ◆ **Revise per the 2011 LDC**
- ◆ **Revise per the new State Floodplain Rules and Regs changes**
- ◆ **Clarifications**
- ◆ **UDFCD criteria updates**



## FLOODPLAIN PROGRAM STATISTICS

### 2012

43- Floodplain Development Permits issued or currently under review

\$2925 -Floodplain Development Permit Fees Collected

\$3295 -Floodplain Study Review Fees Collected

11 - Floodplain Development Permits reviewed and Issued for Maintenance Program

- ✓ 7 - LOMRs reviewed
- ✓ 5 - Accepted FP delineation changes (LOMRs)
- ✓ 7- Floodplain Studies/CLOMRs
- ✓ 5 – Violations in review
- ✓ 65 - Floodplain Information Inquiries Addressed
- ✓ 4 – Public floodplain change meetings
- ✓ 65,396 – Floodplain change letters sent to the public
- ✓ 5 – Stay Safe Outreach Activities