



ROANOKE COUNTY

DEVELOPMENT SERVICES
5204 Bernard Drive, Second Floor, P.O. Box 29800
Roanoke, Virginia 24018-0798
TEL: (540) 772-2080
FAX: (540) 776-7155

BUILDING PERMITS / INSPECTIONS
DEVELOPMENT REVIEW
ENGINEERING

Tarek Moneir
DIRECTOR

STORMWATER MANAGEMENT
STORM DRAINAGE
GIS/MAPPING

FLOODPLAIN MANAGEMENT PLAN

Annual Progress Report

September 2020

1. ROANOKE VALLEY REGIONAL STORMWATER MANAGEMENT PLAN
 - Completed October 1997
 - Adopted by the Board of Supervisors 1998
2. PETERS CREEK STORMWATER MANAGEMENT FACILITY
 - Construction completed July 1999
 - Map revision Panel No. 23, effective date 2/04/2005
 - Catawba Magisterial District (Roanoke City built two regional facilities in Roanoke County. Roanoke County property owners also benefitted.)
3. CARVINS CREEK HAZARD MITIGATION PROJECT PHASE I
 - Acquisition/relocation of eight repetitive loss homes, completed 9/00
 - Hollins Magisterial District
4. CARVINS CREEK HAZARD MITIGATION PROJECT PHASE II
 - Acquisition/relocation of five repetitive loss homes, completed 10/02
 - Hollins Magisterial District
5. WEST ROANOKE RIVER FLOOD MITIGATION PHASE I
 - Acquisition/relocation of three repetitive loss homes, completed 10/02
 - Catawba Magisterial District
6. OPEN SPACE PRESERVATION
 - County purchased eighteen acres of floodplain property for the expansion of Starkey Park, completed 6/00
 - Cave Spring Magisterial District
 - County purchased five acres of floodplain property adjacent to Carvins Creek Phase II
 - Hollins Magisterial District
7. PROJECT IMPACT COMMUNITY
 - Elevation certificates for flood-prone properties, completed 9/03
 - All Magisterial Districts
8. MUD LICK CREEK STORMWATER MANAGEMENT FACILITY
 - Designed to enhance water quality and reduce peak flows, completed 8/01
 - Windsor Hills Magisterial District

9. FLOODPLAIN DETERMINATION

- Elevation certificates available on-line (03)

10. COOPERATING TECHNICAL PARTNER

- Federal Emergency Management Agency Cooperating Technical Partner. (CTP Community 6/21/04)

11. HAZARD MITIGATION PLAN

- Adopted by the Board of Supervisors 05

12. FLOODHAZARD MAPPING MODERNIZATION

- Base flood studies completed on Bradshaw and Mason Creek 5/06
- Catawba Magisterial District
- Re-delineated flood maps based on terrain data, countywide. Will result in increased accuracy. Completed 5/06
- Adopted new flood maps September 07 (Current effective date Sept. 28 2007)

13. WEST ROANOKE RIVER FLOOD MITIGATION PHASE II

- Acquisition of two repetitive loss homes FEMA/State obligated funds July 5, 2007. Completed June 30, 2009. Catawba Magisterial District
- Repetitive Loss (RL) updates sent to FEMA Nov. 2010

14. BACK CREEK FLOOD MITIGATION PHASE I

- Acquisition of a flood prone-property adjacent to Starkey Park, 5755 Crystal Creek. The acquisition and demolition were financed entirely by Roanoke County. Cave Spring Magisterial District, Open Space Preservation (April 2011)

15. Virginia Department of Transportation McVitty Road Improvements between Old Cave Spring and Electric Road. (Panel No. 51161C0232G)

- Demolition of seven flood-prone residential properties, Windsor Hills Magisterial District

16. Regional Pre- Disaster Mitigation Plan

- Adopted Fall 2013

17. Back Creek Map Revision (Panel No. 5116C0254G)

- Map revision completed as a result of improvements and previous errors in study (ClearBrook Walmart 220), January 2014, Cave Spring Magisterial District
- Repetitive Loss (RL) updates sent to FEMA (2014)

18. Roanoke County's Emergency Management Plan

- National Weather Service - Storm Ready Community (2019)

19. Hazard Mitigation Plan

- Adopted by the Board of Supervisors (2019)

20. Regional **Prepareathon** (8/21/19)

- Roanoke County/City and Town of Vinton, National Weather Service, and State Farm held a public event in Market Square. **Prepareathon** events are recognized by FEMA. This regional event is designed to encourage people and communities to prepare for natural disasters.

21. Glade Creek Vinyard Park, Phase II Stream and Floodplain Restoration completed (2019).

- A total of 4,950 feet of stream bank restoration has been completed in this watershed for a total cost of \$2,291,240. This project stabilized the severely eroded banks, enhancing water quality, and restored natural function of the floodplain.

22. FEMA Region III Flood Insurance Symposium and Flood Ready Open House, Vinton (12/09/19)

- Town of Vinton hosted the event, Roanoke City/County participated in both events.

23. Local and regional partners hosted Roanoke **Prepareathon**'s Tuesday Talks, a four-part series during National Preparedness month in September, discussing the importance of flood preparedness and flood mitigation strategies. The series was shown on Tuesdays at noon on the City of Roanoke's Stormwater Facebook page. The sessions were live events with their recordings available on Facebook, YouTube, and Roanoke's **Prepareathon** website. The schedule is shown below:

Tuesday Talk Series

- **September 8, 2020** - Topic 1: Roanoke City History of Flooding - Marcus Aguilar, City of Roanoke Stormwater Utility
- **September 15, 2020** - Topic 2: Roanoke County and Town of Vinton: Flood Mitigation Projects - Butch Workman, Roanoke County and Nathan McClung, Town of Vinton
- **September 2, 2020** - Topic 3: Know Your Risk: Utilizing SHARKS & PUFFIN Apps - Leigh Anne Weitzenfeld and Conrad Brendel, City of Roanoke Stormwater Utility
- **September 29, 2020** - Topic 4: Roanoke City & Consulting Partnership to Address Downtown Flooding - Joseph Arthur, City of Roanoke Stormwater Utility and Don Rissmeyer, AMT