



City of Keyser Curb and Ditch Project

Full Mitigation Best Practice Story

Mineral County, West Virginia

Keyser, WV - Continued heavy rains in left the residents of the City of Keyser with frequent damages from excess ground water. The undersized and aged drain system was unable to process the runoff from heavy rains and flooded homes, property, and streets in the area. This resulted in repeated flooding and drain backups, which contributed to the premature deterioration of the system.



This project consists of two components that jointly solved the problem of the undersized storm drain system. The drop inlet and storm drain that empty directly into New Creek were replaced. This action increased the capacity at this location from the normal storm flow, one-year, to a minimum of 25-year flow eliminating most backups and flooding in the immediate area.

The other component of the project called for the replacement of 1,650 feet of storm drain plus the addition of five drop inlets in the area. Completion of this phase will eliminate the frequent system backups and the flooding to houses in the adjacent area.

Activity/Project Location

Geographical Area: **Single County in a State**

FEMA Region: **Region III**

State: **West Virginia**

County: **Mineral County**

City/Community: **Keyser**

Key Activity/Project Information

Sector: **Public**

Hazard Type: **Flooding**

Activity/Project Type: **Flood Control**

Activity/Project Start Date: **11/1996**

Activity/Project End Date: **01/1999**

Funding Source: **Hazard Mitigation Grant Program (HMGP); State sources**

Funding Recipient: **Local Government**

Funding Recipient Name: **City of Keyser**

Activity/Project Economic Analysis

Cost: **\$57,003.00 (Actual)**

Activity/Project Disaster Information

Mitigation Resulted From Federal
Disaster? **Unknown**

Value Tested By Disaster? **No**

Repetitive Loss Property? **Unknown**

Reference URLs

Reference URL 1: <http://www.floodsmart.gov/floodsmart/pages/index.jsp>

Reference URL 2: <http://www.wvdhsem.gov/>

Main Points

- The undersized and aged drain system was unable to process the runoff from heavy rains and flooded homes, property, and streets in the area.
- This project consists of replacing the drop inlet and storm drain that empty directly into New Creek.
- Completion of this phase will eliminate the frequent system backups and the flooding to houses in the adjacent area.