

STORMWATER MANAGEMENT

STORM DRAINAGE IMPROVEMENTS

STORMWATER
MANAGEMENT
2015 – 2024 CIP

Program Description

These projects provide additional capacity at locations with limited overland relief. Storm sewer overflows at locations with limited overland relief can result in significant damage to homes. While the County can increase system capacity, some locations will always have some level of vulnerability. The majority of the projects identified in this program address areas that were flooded in the June 2006 storm; the update of the Stormwater Master Plan will be used to refine the designs of these projects.

02 Sycamore Street & 24th Street N Arlington-East Falls Church

Construct approximately 1100 linear feet of large diameter storm sewer from the vicinity of N. Rockingham St. and 24th Street North to N. Sycamore St. and Lee Highway. This project is identified in the Stormwater Master Plan as a portion of Project CR2. The additional capacity will help to reduce the frequency of flooding on private property (flooded houses) and will help to reduce the frequency of sanitary sewer backups downstream.

03 West Little Pimmit Run Phases I & II Rock Spring, Williamsburg

This project includes approximately 100 linear feet of 48 inch storm sewer; 165 linear feet of 54 inch storm sewer; and 1300 linear feet of 60 inch storm sewer. The project starts in the 3200 block of North Nottingham St and proceeds to the 3200 block of North Kensington Street; then along 33rd Street North to end in the cul-de-sac north of its intersection with 34th Street North. The additional capacity will help to reduce the frequency of flooding on private property (flooded houses) and will help to reduce the frequency of sanitary sewer backups downstream. This project is identified in the Stormwater Master Plan as Project LPW3.

04 Capacity/ Flood Risk Reduction Projects

These projects are outlined and prioritized in the 2014 Stormwater Master Plan, and reduce the risk of flooding from systemic capacity limitations of the storm sewer system and from stream channels.

05 9th Street N between Liberty Street & N Livingston Street Dominion Hills

This project includes approximately 292 linear feet of 36 inch diameter pipe, 1038 linear feet of 30 inch diameter pipe and associated structures and small diameter storm sewers to reduce the chance of flooding on 9th Road North between North Liberty Street and North Livingston Street. The center of this block is located at a low point, and the existing drainage network cannot convey flows without street flooding, with occasional house flooding.