Long-Term Policy Recommendations

Proposed policy solutions to avoid increases in future flood risks associated with land development and climate change

ROOT CAUSES OF FLOODING

DEVELOPMENT IN FLOODPLAIN

Disturbing or decreasing the floodplain's natural ability to store and convey stormwater pushes that water somewhere else, increasing flood risk in other areas

CLIMATE CHANGE

The increasing frequency and intensity of rainfall storm events

URBANIZATION

Over time, development has altered the way that water flows over the land, and the increase in impervious surface means increased runoff hitting the drainage system at a faster rate

POLICY RECOMMENDATIONS	Establish Floodplain Conveyance Zones	Floodplain Fill Mitigation Updates	Minimum first floor elevation 1 feet above FEMA BFE or Max. Water Surface Elevation in 100-yr Event	Update Rainfall Depths	Require Through-Site Drainage Overland Flow Check	Require Internal Drainage Overland Flow Check	Require Multi-Stage Detention	Capture First Flush with Green Infrastructure	Establish Stream Setback
BENEFITS									
Reduce Flood Risk	●	●	●	●	●	●	●	●	●
Avoided Costs from Reduction in Stormwater Runoff		●	●	●	●	●	●	●	●
Improved Water Quality	●			●			●	●	●
Preserved natural areas for habitat and recreation	●							●	●
Improved Air Quality								●	●
Carbon sequestration								●	●
Reduced heat island effect								●	●
Improved community livability	●	●	●	●	●	●	●	●	●