

## **MEMORANDUM**

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**DATE:** January 22, 2018  
**TO:** Hamilton Township  
**FROM:** RCE Water Resources Program

**RE: 2017 Developed Area Assessment**

In an effort to focus education and outreach to residents, the Rutgers Cooperative Extension (RCE) Water Resources conducted a Geographic Information System (GIS) assessment to identify regions where residents live in homes and neighborhoods built prior to 1986. Using the earliest available land use/land cover data available from the New Jersey Department of Environmental Protection (1986), the RCE Water Resources Program is looking to identify residential areas within the Township built prior to requirements for stormwater management measures. Stormwater management basins and other flood protection strategies were not required as part of new development until the mid-1970s. Through this exercise, ten individual residential neighborhoods have been identified where stormwater runoff flows directly into the Township's municipal separate storm sewer system and subsequently into the nearest waterbody. In these areas, no stormwater management basins or other best management practices are reducing runoff volume, peak flows, nonpoint source pollution, or protecting groundwater recharge. Without management measures, stormwater runoff from these areas contributes to increased flash flooding and nuisance flooding, water quality impairments, and can overwhelm the Township's aging stormwater infrastructure.

Through the Rutgers-Hamilton Stormwater Partnership, RCE Water Resources Program recommends that efforts in 2018 be coordinated to educate and provide information to homeowners in these neighborhoods about the issues of flooding and stormwater management. This campaign can include targeted flyers and/or mailings as well as local workshops. Additionally, it is recommended that through the partnership we look to develop demonstration projects in these neighborhoods to show residents what they can do on their property to help alleviate flooding and protect water quality in Hamilton Township.

# Hamilton Township Developed Area Assessment

1986 Urban Land Use



0.5 0 0.5 1 1.5 Miles

- COMMERCIAL/SERVICES
- INDUSTRIAL
- MIXED URBAN OR BUILT-UP LAND
- OTHER URBAN OR BUILT-UP LAND
- RESIDENTIAL

