Town of Greensboro
113 S. Main Street
P.O. Box 340
Greensboro, MD 21639

Phone: 410-482-6222
www.greensboromd.org

Application for Floodplain Study/Permit

Floodplain Study/Permit # _____

Project Name/Subdivision: _____

Property Address/Location: _____
Address City/State Zip

Total property area _____ Acres

Owner/Applicant Information: Email Address _____

Name: _____
Firm Name and/or Contact Person Contact ID #

Mailing Address _____

City _____ State _____Zip_____-_____ Phone_____

Engineer Information: Email Address _____

Name: _____
Firm Name and/or Contact Person Contact ID #

Mailing Address _____

City _____ State _____Zip _____-_____ Phone _____

Type of Application *(Please check box that applies):*

☐ **Floodplain Study**
☐ **Dam Breach Analysis**
☐ TR-60 Method
☐ **Floodplain Permit (Engineered)**
☐ **Floodplain Permit (Single Family Residence)**

Map Grid: _____
Sediment Control #: _____
Lot(s): _____ Block(s): _____
Parcel(s): _____ Subdivision: _____
Watershed: _____ Tributary: _____ Class: _____
Municipality: _____ Liber: _____ Folio: _____ Election District: _____
(If applicable)

Amount of area disturbed within the 100-year floodplain and/or 25' BRL _____Sq. Ft.
Total proposed impervious surface area within the 100-year floodplain and/or 25' BRL_____Sq. Ft.
Provide the drainage area of the watershed above the floodplain disturbance (in acres) _____

Type and Purpose of Work:

_____

_____

I declare and affirm, under penalty of perjury, that to the best of my knowledge, information and belief all matters and facts in this application are correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner.

Signature: _____
Signature of Applicant (Property Owner or Authorized Agent) Printed Name Date

All submissions must include:

1. Completed application accompanied by non-refundable filing fee.

2. One (1) copy of the 100-year floodplain delineations and all associated supporting documents for review. Please include a narrative describing the proposed land disturbance or construction activities.

3. A copy of the grading or site plan that includes:

   A. A vicinity map

   B. The proposed development or activity showing streets; parking lots; topography; 100-year floodplain and flow paths; existing or proposed easements for storm drains, sewers, and other utilities; major building locations; and any proposed construction activities within the 100-year floodplain.

All floodplain study submissions must include the following additional information:

1. **Methodology of Delineation**

   A. The hydrology will be determined for ultimate development within the watershed using TR-55, TR-20, HEC-1, or the Rational method (the use of the Rational method will be subject to prior approval by DPS). Documentation shall be required in the computation of the Water Surface Elevations (WSEL). For backwater profiles, acceptable programs are HEC-2, HEC RAS, and WSP-2.

   B. Field run cross sections shall be taken at each structural crossing and at each significant change in slope, width or roughness coefficient, in the stream channel with maximum spacing of 500 feet.

   C. In rural areas of the County, where there is no existing floodplain delineation, a more simplistic method of computing floodplain, such as, the Normal Depth Method may be acceptable if DPS gives prior approval.

2. **Submittal Requirements**

   A. In the absence of M-NCPPC floodplain delineation maps, other sources of floodplain information, such as FIRM maps, HUD Flood Hazard Boundary Maps and floodplain studies previously approved by DPS may be used. Computations necessary to support the 100-year ultimate floodplain elevations must be submitted for review.

   B. A transmittal detailing the methodology and background data must accompany the submittal package.

Dam Breach Studies must include the following information:

1. **Methodology of Delineation**

   A. The hydrology will be determined using TR-55, TR-20, TR-60 or HEC-1. Documentation shall be required on the computation of the Danger Reach Elevations. Acceptable programs are TR-66, HEC-2, WSP-2 or Dam Break Program.

   B. Field run cross sections shall be taken at downstream road crossings, proximity of any existing or proposed dwellings and other restricted locations.

   C. The limit of the study shall terminate to a point where the Breach limits coincide with existing 100-year floodplain limits.