



Where impoundments exist on (or upstream off-site) development projects and are intended to remain; developers shall retain a consultant engineer to supply an engineering report on the impoundment. The report shall be signed and sealed by a professional engineer and include (at minimum) the following:

#### **NARRATIVE AND MAP**

- Location
- Current Land Use for entire drainage basin
- Proposed Land Use
  - o Above and below dam
  - o Consider future development above and below the dam.
  - o Refer to the most recent Land Use Plan for future zoning:  
<https://www.hollyspringsnc.us/1424/Plans-Rules-Regulations>

#### **DAM SAFETY CLASSIFICATION**

- Is the dam governed by [State Dam Safety](#) Law?
- Provide determination letter from [NC Dam Safety](#)
- [Hazard Classification Data Form for Dams](#)
  - o Include copy of completed form
  - o Include breach analysis that corresponds to form. Breach analysis shall be evaluated with post development hydrology of drainage basin and show proposed limits of flooding.
  - o Include soil survey and justification for soil type selection.

#### **EXISTING CONDITIONS**

- Observed site conditions
  - o Geometry
  - o Vegetation
- Subsurface Conditions
  - o Subsurface profile
  - o Bore logs
- Primary Drainage Structure
  - o Provide description of existing structure, including condition
- Spillway
  - o Provide description of the existing spillway including condition
- Structure Analysis of Dam
  - o Provide Geotechnical report on structure integrity of dam
- Conclusions and Recommendations
- Draft O&M Agreement
- Separate Flood Study