



CONSULTANT REPORT REQUIREMENTS

For Existing Impoundments On Or Off Site

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
 - Above and below dam
 - Consider future development above and below the dam.
 - 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](#)
 - Include copy of completed form
 - 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.
 - Include soil survey and justification for soil type selection.

EXISTING CONDITIONS

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