Environmental Constraints Analysis
for legislative cases

Hydrologic • Location of streams and other water bodies (lakes, ponds, impoundments, etc.) • Which watershed (e.g. Powhatan, Yarmouth, Gordon, Skiff, Ware) • Approximate location of perennial and intermittent streams • Description of the receiving stream • Approximate location of tidal and non-tidal wetlands (sinkholes, wetland, springs, seeps, etc.) • Floodplain delineation for 100 and 500 year storm events including tidal flooding if applicable **Context** • Nature of existing and granted, but not yet built, surrounding properties and neighborhoods – Reference JCC plan number	**Prohibited or Restricted Development Areas** • Required buffers • Sites with known populations of rare, threatened or endangered species of plants or animals • Preservation of trees according to Chesapeake Bay Ordinance • Preliminary locations of Resource Protection Areas • Preliminary locations of jurisdictional wetlands • Locations of existing conservation easements **Land Features or Characteristics** • Approximate locations of steep slopes greater than 25 % based on County GIS or better (list source). The scale for which this shall be provided is at the discretion of the County Environmental Division Director • Soils, especially prime agricultural lands and HSG A&B soils based on the County soil survey • Soils erodability based on the County soil survey • Pre-development topography based on County GIS or better (list source) • Areas of forest, woodland cover and wildlife corridors	**Proposed Site Changes** • Proposed limit of disturbance • Estimate of impervious cover area and percent impervious area (preliminary or conceptual), including all parking, roads, sidewalks, buildings, etc. • Description of Better site design or low impact development techniques (pervious pavement, walks, infiltration areas, etc.) if they are used • Proposed conceptual stormwater management plan, including preliminary pre and post-development discharge analysis • Description of how disturbance is being minimized, indigenous vegetation is preserved, and impervious cover is minimized