

**DELAWARE AND RARITAN CANAL COMMISSION
CHECKLIST FOR WATER QUALITY AND STORMWATER MANAGEMENT REVIEW**

- ___ U.S.G.S. Location Map.
- ___ Full set of site grading and utility plans.
- ___ Pre-Development and Post-Development Drainage Area Maps (1"=100' or 1"=200').
- ___ Photos of drainage and site conditions.
- ___ Discussion of existing site conditions.
- ___ Is the appropriate methodology being used, i.e. TR-55?
- ___ Separate sub-drainage area hydrograph discharges into the basin based on differing CN values, times of concentration, or areas of connected impervious.
Averaging of CN and TC values of very different sub-areas is not acceptable.
- ___ Copy of soils map used, soil types and classification.
- ___ Time of Concentration flow path on Drainage Area Maps.
Maximum sheet flow length allowable is 150 feet.
- ___ Flow chart for hydrologic model.
- ___ Stage/Volume/Outflow Chart, the calculations for this chart, and the constants used in the calculations (weir and pressure flow coefficients).
- ___ Ground water elevation and depth to ground water.
- ___ Details of the outlet structure on an engineering drawing.
- ___ Summary Tables showing comparison of pre and post developed conditions for the 1,2,10 and 100-year storm events. Does the project meet the required reductions?