

Section 65 – Storm Water Management Facilities Design Criteria

- I. The following criteria shall be followed when designing a Storm Water Management Facility.
 - A. Design storm – Storm water management facilities shall be designed to retain the difference in the pre-development and post-development, twenty-five year, 24-hour storm event. The effect of the 100-year storm must be considered and documented in the design of all storm water management facilities.
 - B. Design calculation – Design calculations submitted must include, but are not limited to, the following:
 1. Drainage area – Indicate if pre-development and post-development areas differ.
 2. List area drainage types and run-off coefficient numbers for predevelopment and post-development conditions.
 3. Stage – Storage curve for the proposed storm water management facility.
 4. Stage – Discharge curve for the outlet structure of the proposed storm water management facility.
 5. Inflow and outflow hydrographs for pre-development and post-development conditions.
 6. Emergency spillway design calculations.