|  |  |  |  |
| --- | --- | --- | --- |
| **Factors affecting**  **tradeoff between two**  **water budget variables** | **I - Q axis** | **Q - ET axis** | **ET - I axis** |
| **Physical, Structural &**  **Internal Design Factors** | * System capture volume or ponding depth * Contributing catchment area * Direct connection of impervious surfaces * Presence of drain * Presence of liner | * Presence of internal water storage zone or standing water * Particle size distribution * Particle surface chemistry * Media depth | * Planting density & species composition * Site management practices |
| **External, Site & Environmental Design Factors** | * Hydraulic conductivity of sub-base * Plant Establishment * Particle clogging * Event depth & intensity | * Season &  temperature * Groundwater table height | * Surface roughness or Initial abstraction |

**Figure 7.** **Design factors affecting hydrologic performance.** *Design factors that primarily drive a tradeoff between two water budget variables while remaining isometric in proportion to the third variable (holding all other design variables constant). Arrows represent visual direction of influence when data is plotted on a water budget triangle.*