

# LID Integrated Management Practices

| Product  | LID IMP                                  | Application   |
|--|--|---|
| Reg-U-Flo® Vortex Flow Control<br>    | Small Pipes & Culverts                   | Where local ordinances or standards (such as Department of Transportation standards) specify larger pipe sizes, the Reg-U-Flo® Vortex Flow Control is used to simulate the hydrology of small pipes and culverts to encourage dispersed ponding and storage |
|  | "Blue Roof" Rooftop Storage              | Situated atop downspouts or along a downspout to limit the rate of roof runoff  |
|  | Downspout Disconnections                 |   |
|  | Small Inlet Schemes                      | Situated at the drainage system entry point to limit the amount of flow entering the drainage system to facilitate ponding and detention on streets or in street-side culverts  |
|  | Street Storage                           |   |
|  | Staged Discharge                         | Regulating the discharge rate from a detention BMP to hold the Water Quality Volume for the appropriate amount of time  |
|  | Depression Storage                       | Limiting flow into the drainage system, facilitating longer ponding or more ponding within depressions.   |
|  | Slope side Storage                       | Used to limit the rate of flow into or out of a swale with steeply sloped walls   |
| Stormbloc™<br>                       | Open Drainage Swales                     | Used to store the Water Quality Volume downstream of a swale or rain garden; alternatively used upstream of a rain garden to detain and slowly release runoff to a swale or rain garden to increase its capacity or the amount of runoff it treats          |
|  | Rain Gardens & Bioretention              |   |
|  | Downspout Disconnections                 | Used at the base of downspouts to infiltrate or detain roof runoff  |
|  | Infiltration                             | Used for small pockets of infiltration dispersed across a site; alternatively used for larger infiltration bays   |
|  | Depression Storage & Steep Slope Storage | Designed into the sloped walls of depressions or steep swales to detain runoff and control the rate of release into a treatment BMP or the drainage system  |
|  | Street Storage                           | Used underneath roadside greenery to provide detention if street-ponding is not practical or does not offer enough detention capacity   |
|  | Rainwater Harvesting                     | Used to detain rainwater for non-potable re-use, such as irrigating landscapes  |
|  | Permeable Pavements                      | Used underneath or adjacent to permeable pavers to supplement permeable paver infiltration capacity   |
| Hydro SwaleGard®<br>                | Open Drainage Swales                     | Pretreatment and infiltration in small curbside locations scattered across a drainage system  |
|  | Infiltration                             | Pretreatment and infiltration soakaways for small pockets of infiltration scattered around a drainage system  |
| Hydro FloGard® Downspout Filter<br> | Downspout Disconnections                 | Pretreatment of roof drainage prior to infiltration   |
|  | Rooftop Storage                          | Removing leaf litter and coarse sediments from rainwater stored on the roof as it is released from the roof and flows down the downspout  |
| Downstream Defender®   | Infiltration                             | Pretreatment for removal of coarse sediment and associated pollutants via vortex separation for infiltration systems  |
| Up-Flo® Filter   | Infiltration                             | Pretreatment for removal of fine sediment and associated pollutants via media filtration for infiltration systems   |

This card intends to illustrate solutions that may be used in conjunction with Low Impact Development design philosophy. Given that stormwater management regulations vary by region, these schemes should be discussed with local stormwater permitting agencies during site design to ensure that they would be considered appropriate stormwater management practices for localized regulations.