

EXTENDED DETENTION BASIN

Extended Detention Basin in Lincoln



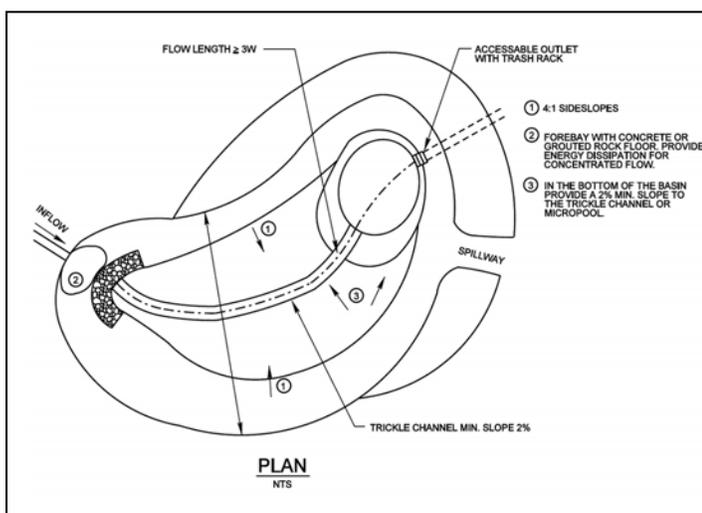
South of Apples Way & HYW #2

Description:

An extended detention basin is a large sediment basin designed to store stormwater for many hours after storm runoff ends. This application is similar to a detention basin used for flood control, but different in that the basin is much larger and typically uses a much smaller outlet structure to extend the emptying time of the basin which helps with pollutant removal. These basins are sometimes called "dry ponds" because they are designed not to have a significant permanent pool of water remaining between storm runoff events. This design works best for areas that have over five impervious acres (concrete, roof tops, etc...) and up to approximately one square mile of watershed.

Benefits:

- The relatively simple design can make extended detention basins less expensive to construct than other BMPs, especially for larger basins
- Maintenance requirements are straightforward
- The facility can be designed for multiple uses



Plan/Aerial View Apples Way Basin

More Information:

Links:

<http://lincoln.ne.gov/city/pworks/watrshed/educate/bmpguide/pdf/3.7.pdf>