

PRIMARY USE: To function as a long, narrow, and shallow wetland treatment structure where high water tables occur .

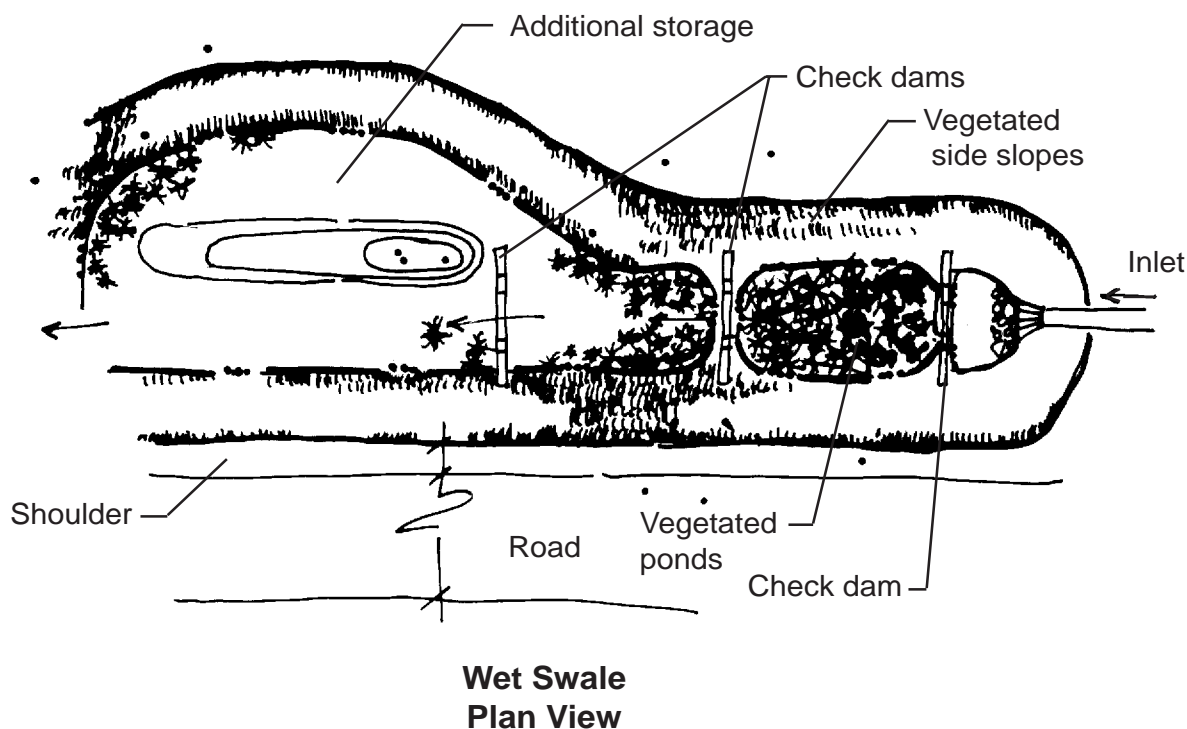
ADDITIONAL USES: Provide habitat.

WET SWALE

What is it? As a long, narrow, and shallow drainage channel using check dams, wet swales are utilized in areas with high water tables. The high water table condition along with placement of check dams retain the entire water quality treatment volume, and therefore treat water within what is a simple wetland environment.

Purpose

Wet swales provide for stormwater treatment in wet soils where treatment may otherwise be nonexistent or negligible. Versatility with this structure allows for off-line placement of wetland cells, as well as the introduction of emergent wetland plant species to encourage creation of habitat.



Limitations

No significant limitations.

Materials

Materials suitable for check dams as required by site and local conditions; emergent wetland plant species.

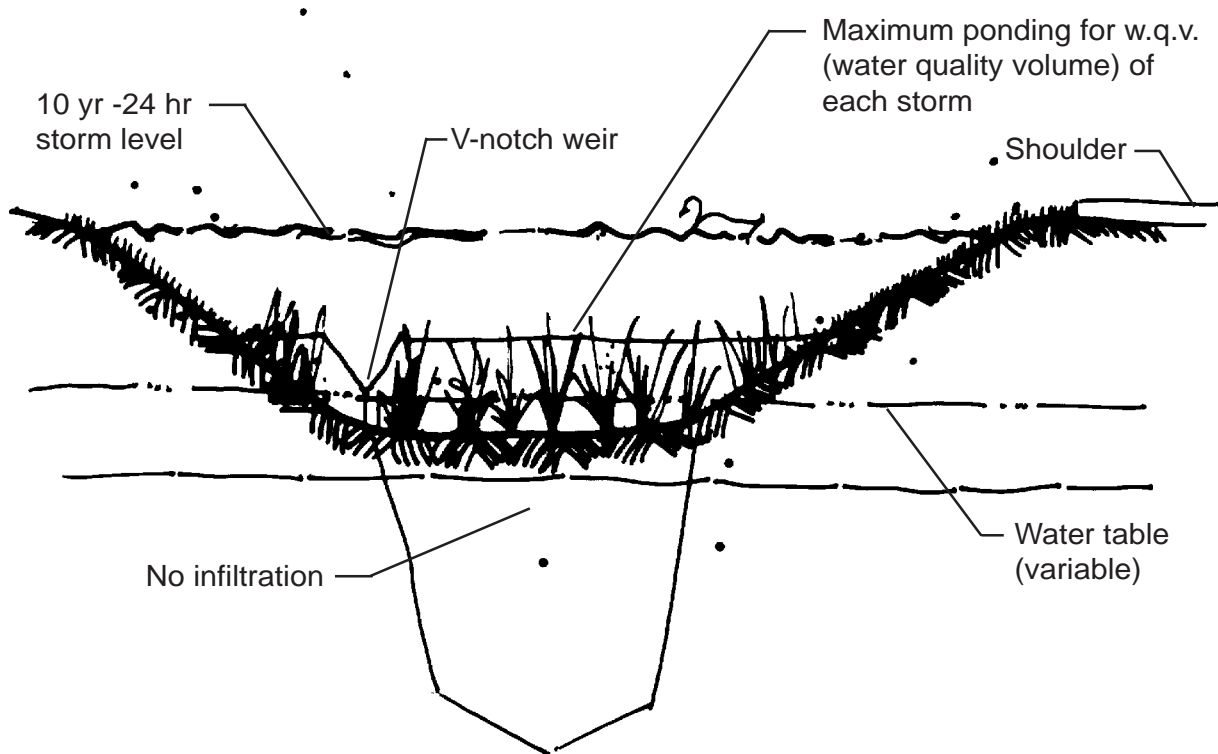
Installation

Notches in check dams must be set so that inverts create a pool level when the water table is high. Notch dimensions must be set to allow for desired detention time within each storm cell.

Source: Design for Stormwater Filtering Systems, Center for Watershed Protection.

WET SWALE

Additioanl Drawings:



**Wet Swale
Section View**