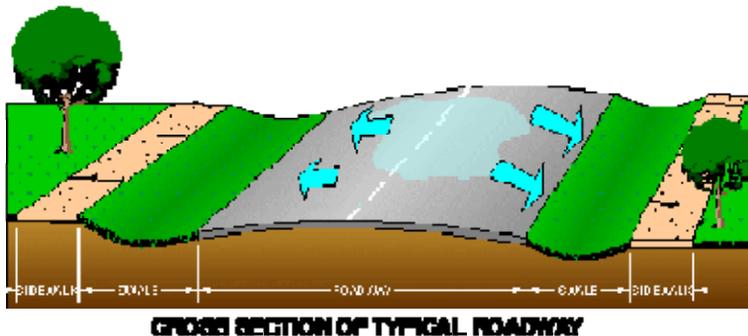




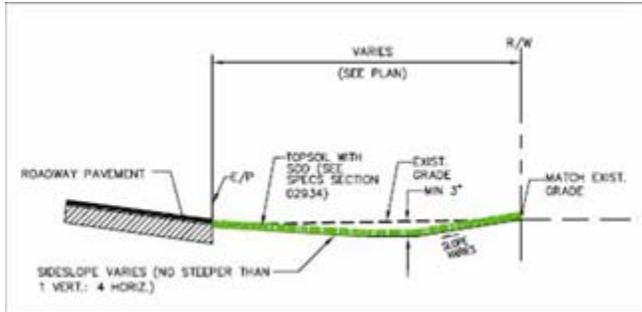
FLOODPLAIN FUNCTIONS

Natural and Beneficial Floodplain Functions

Floodplains in our Town serve a beneficial purpose to our quality of life. These low areas are where rainfall goes to drain, and when the rainfall drains into the ground, this helps reduce flooding, and recharges our drinking water supply. These floodplains also serve as filters of stormwater runoff as it seeps through the ground and into our aquifer. This aquifer is our only source of drinking water, and this filtering helps contain pollution before it reaches our aquifer! It is important that we appreciate our floodplains, and try to maintain, preserve and restore these areas whenever possible.



A swale (B) is a long narrow depression, which varies in depth and is typically wider than it is deep. It is a strip of land in front of your homes and adjacent to the street. Swales provide an area for stormwater runoff from roads and other impervious areas to accumulate or pond. Normal time for ponding in swales is typically 24 to 36 hours. Water in swales will eventually evaporate or infiltrate into the soil. Swales filter the stormwater and allow percolation of the water into the soil below.



Swales should have a grass cover that allows percolation into the soil below. Rock or pebbles are against Town code. The Town has started a swale restoration program and if you would like to participate please call the Municipal Services Department at 954 640 4232. Town staff will restore the swales in the Town Right of Way at no cost to the property owner.

Benefits of Swales:

- Reduce flooding, allow water to pond and protect properties.
- Provide filtering of runoff Reduce pollutants entering water bodies (canals, rivers, lakes, etc.)
- Improve the look of the neighborhood.

Maintenance of swales

- Clear the swales of any debris including leaves, branches and other vegetation. Allow water to pond.
- Mow swales, but allow good grass growth Minimize use of fertilizers, pesticides and herbicides.
- It is against Town code to pave , place rock or pebbles in the swale area
- Do not park in swale which causes compaction of the soil and reduces infiltration.