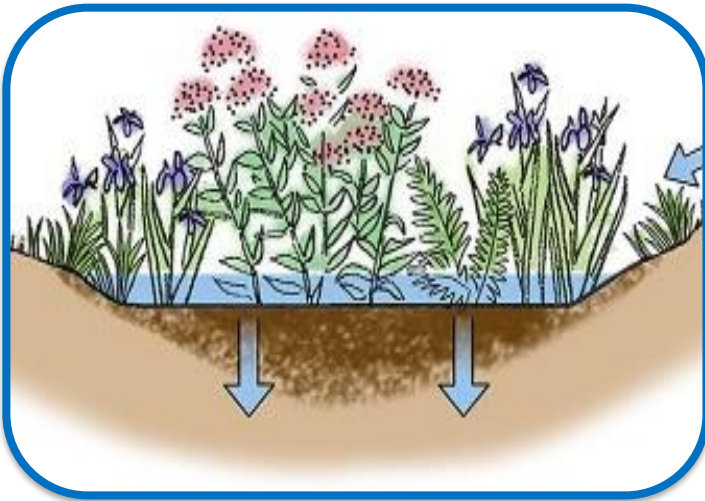


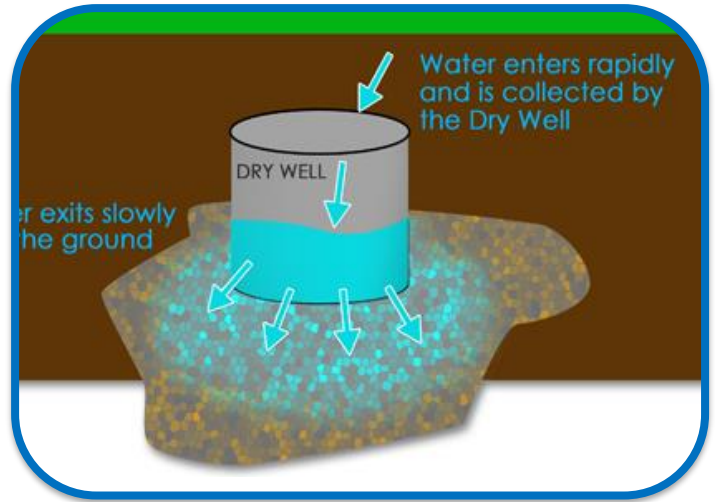
Manage Rain Runoff

Homeowners are responsible for managing their stormwater runoff (precipitation that doesn't soak into the ground). Stormwater runoff can be a problem when large volumes overwhelm storm drains which causes localized flooding. Listed below are cost friendly mitigation efforts.



Rain Garden

Rain Gardens consist of native shrubs, perennials, and flowers planted in a small depression, designed to collect, and slow down stormwater runoff from a roof, driveway or other impervious surfaces.



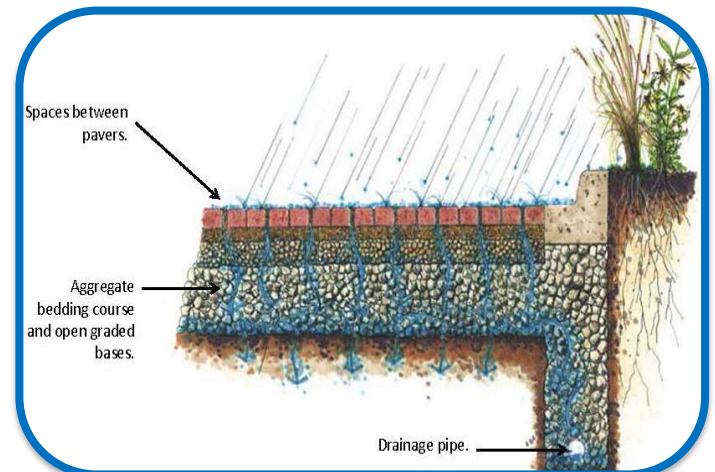
Drywells

Drywells are underground structures that collect stormwater and allows it to soak into the soil slowly, instead of pooling in your lawn.



Ditches

Drainage ditches are typically formed around low-lying areas, roadsides or fields proximate to a water body or created to channel water from a more distant water source.



Pavers

Pervious pavement is designed to allow infiltration of stormwater through the surface into the soil below where the water is naturally filtered and pollutants are removed. In contrast normal pavement is an impervious surface that sheds rainfall and associated surface pollutants forcing the water to run off paved surfaces directly into nearby storm drains and then into streams and lakes

Build your own:

- 1) **Rain Garden:** <https://www.familyhandyman.com/project/how-to-build-a-rain-garden-in-your-yard>
- 2) **Dry well :** <https://www.thisoldhouse.com/yards/21124791/how-to-build-a-simple-dry-well>
- 3) **Drainage Ditch:** <https://peppershomeandgarden.com/dig-trench-drainage/#:~:text=Dig%20a%20trench%20that%20is,rocks%2C%20soil%2C%20or%20stones.>
- 4) **Pavers:** <https://www.truegridpaver.com/complete-guide-permeable-paving-systems%EF%BB%BF/>

Difference Between Streams and Ditches

Streams

vs

Ditches

- Natural channel shape and path
- Soil and debris movement
- Shaded by trees and vegetation, and provides habitats for fish
- Sand/gravel/cobble bottom with defined bed and banks
- Follows a natural drainage topography (meandering)
- Has a name (e.g., Crooked Creek)

- A constructed channel for the collection of runoff water or shallow groundwater and its conveyance to an outlet.
- Lack of trees and vegetation
- Warm and shallow waters
- Carries it to a release point
- For drainage purposes, typically dug through inter-stream divide areas

