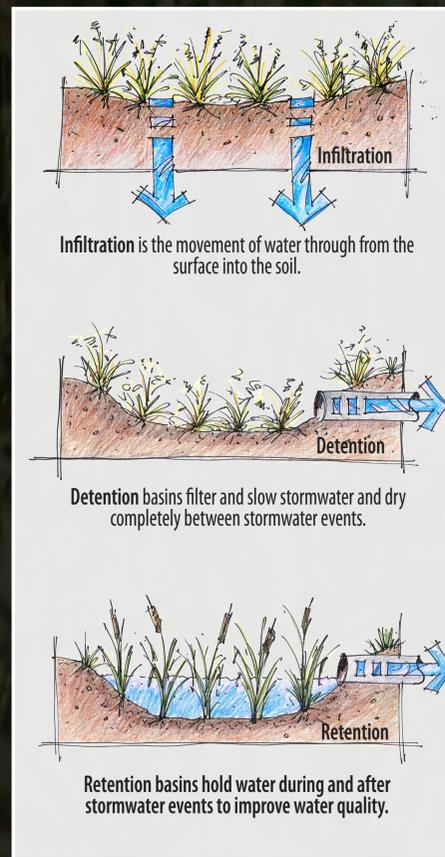


WATER INFILTRATION

Holding water during and after stormwater events

Do you know the difference between retention, detention, and infiltration? These are common stormwater management practices you can find in your environment. Retention, or wet ponds, hold water during and after stormwater events to improve water quality. Detention, or dry ponds, filter and slow stormwater and dry completely between stormwater events. Infiltration systems are designed to transport stormwater from a point source like a parking lot, while at the same time, allowing it to infiltrate into the soil along the way. What system do you see here?

Infiltration basins allow stormwater to infiltrate through the soil rather quickly. The basins can receive water from other areas through pipes and swales. Plant roots support infiltration by providing pathways for water flow and evapotranspiration (returning water to the atmosphere). Once water filters through the soil and rocks, it reaches groundwater (underground layer of water). By recharging our groundwater, our water table level is increased and water availability during droughts is improved.



Reference Key

1. Label
2. Label
3. Label
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