

LID Strategies For Garden Creek Apartments



E3 DEVELOPMENT, LLC

Experience
Excellence
Environmental

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Garden Creek Apartments

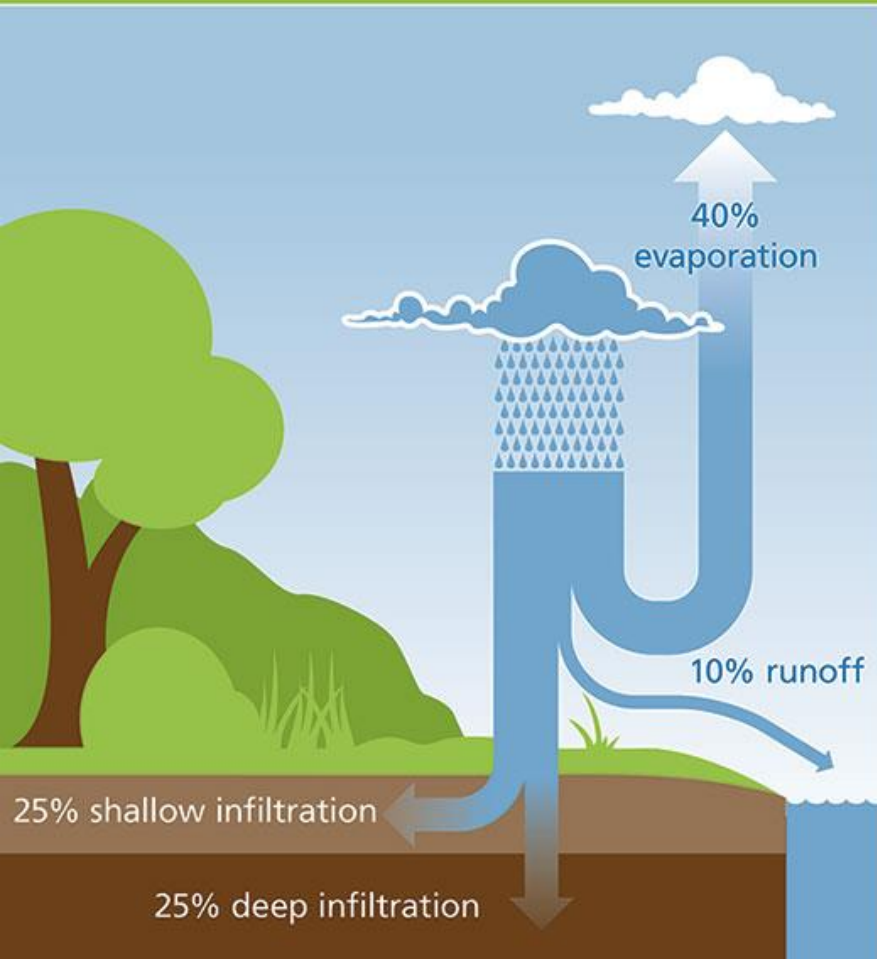
69 Units

3-Story

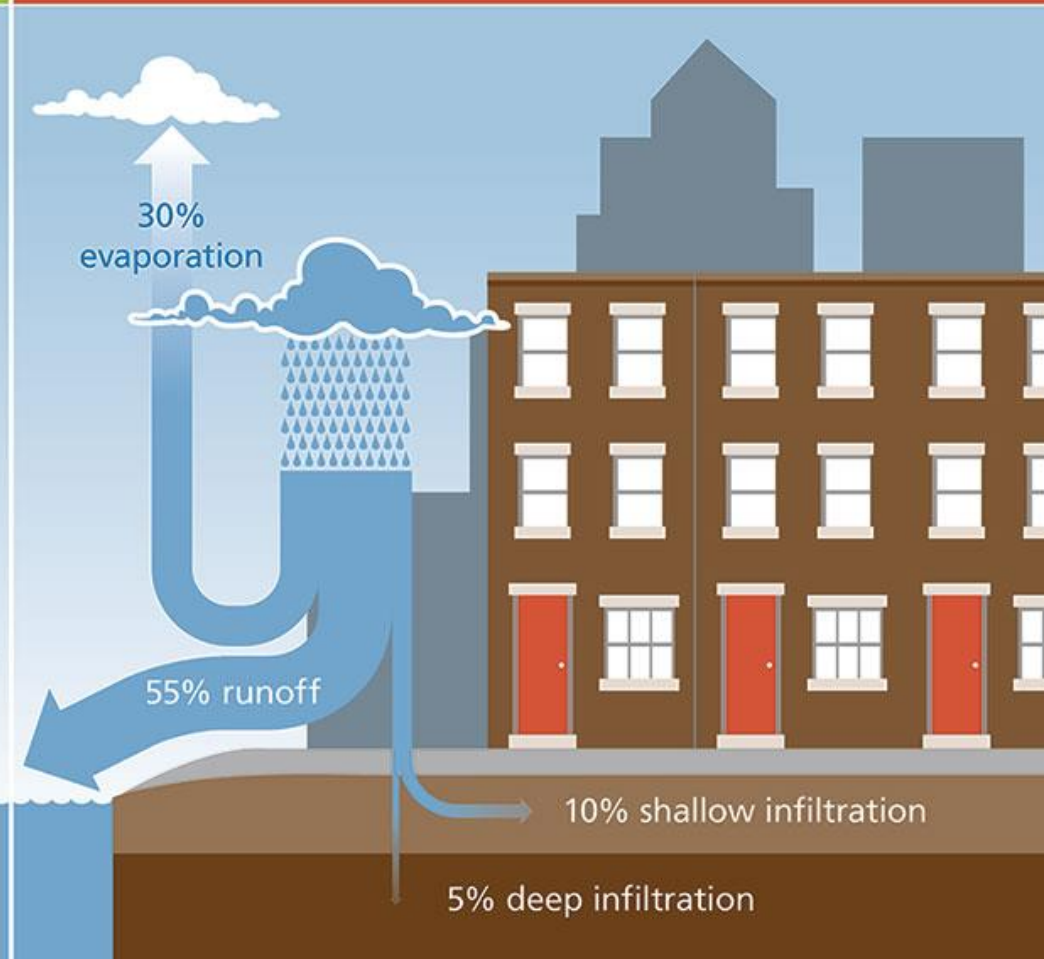
2.16 Acres



NATURAL ENVIRONMENT



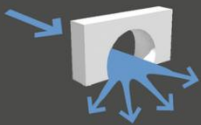
URBAN ENVIRONMENT



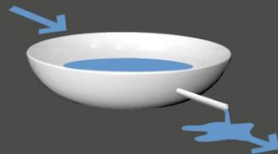


mechanical

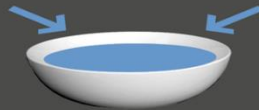
biological



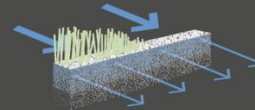
flow control



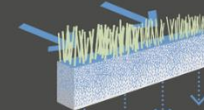
detention



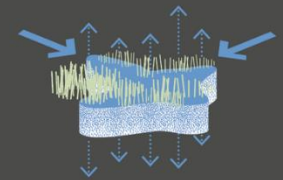
retention



filtration



infiltration



treatment

slow —————> spread —————>

flow control: The regulation of stormwater runoff flow rates.

detention: The temporary storage of stormwater runoff in underground vaults, ponds, or depressed areas to allow for metered discharge that reduce peak flow rates.

retention: The storage of stormwater runoff on site to allow for sedimentation of suspended solids.

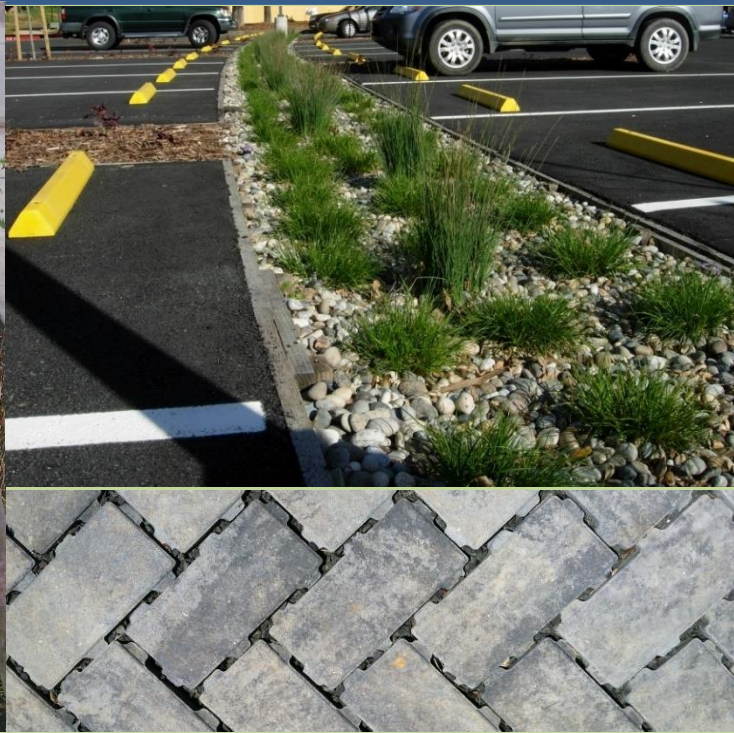
filtration: The sequestration of sediment from stormwater runoff through a porous media such as sand, a fibrous root system, or a man-made filter.

infiltration: The vertical movement of stormwater runoff through soil, recharging groundwater.

treatment: Processes that utilize phytoremediation or bacterial colonies to metabolize contaminants in stormwater runoff.



Roof Runoff



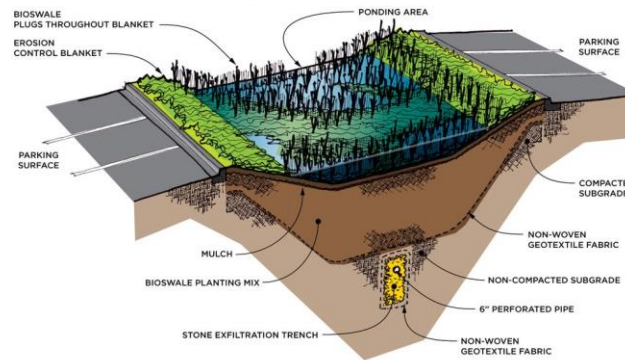
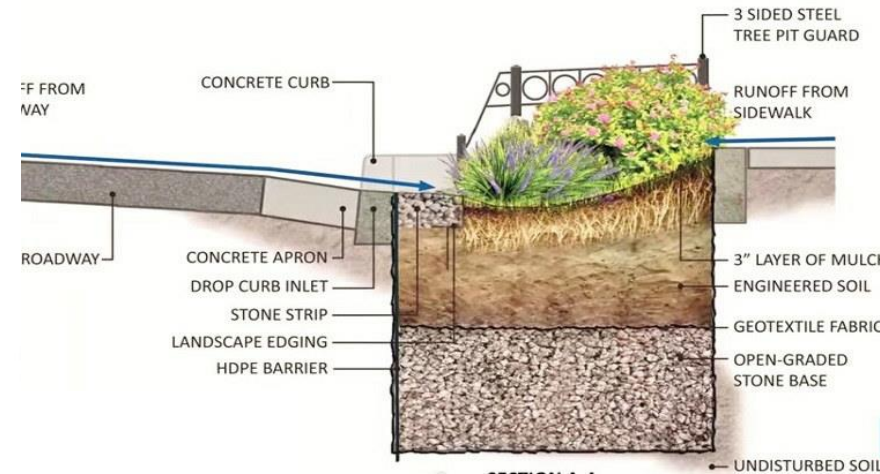
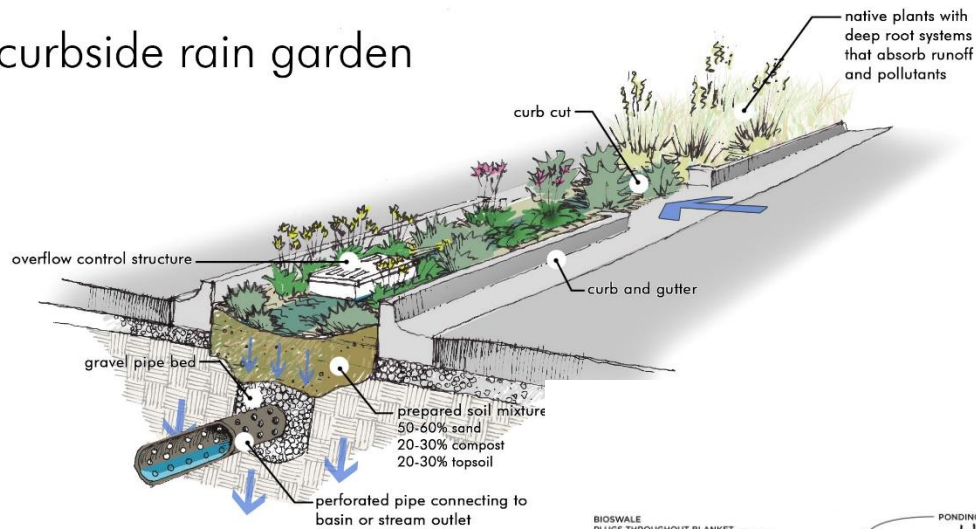
Parking Runoff



Landscape Control



curbside rain garden



Roof Runoff

Parking Runoff

Landscape Control



Landscape Control