

LID Strategies For Garden Creek Apartments



E3 DEVELOPMENT, LLC

Experience
Excellence
Environmental

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Garden Creek Apartments

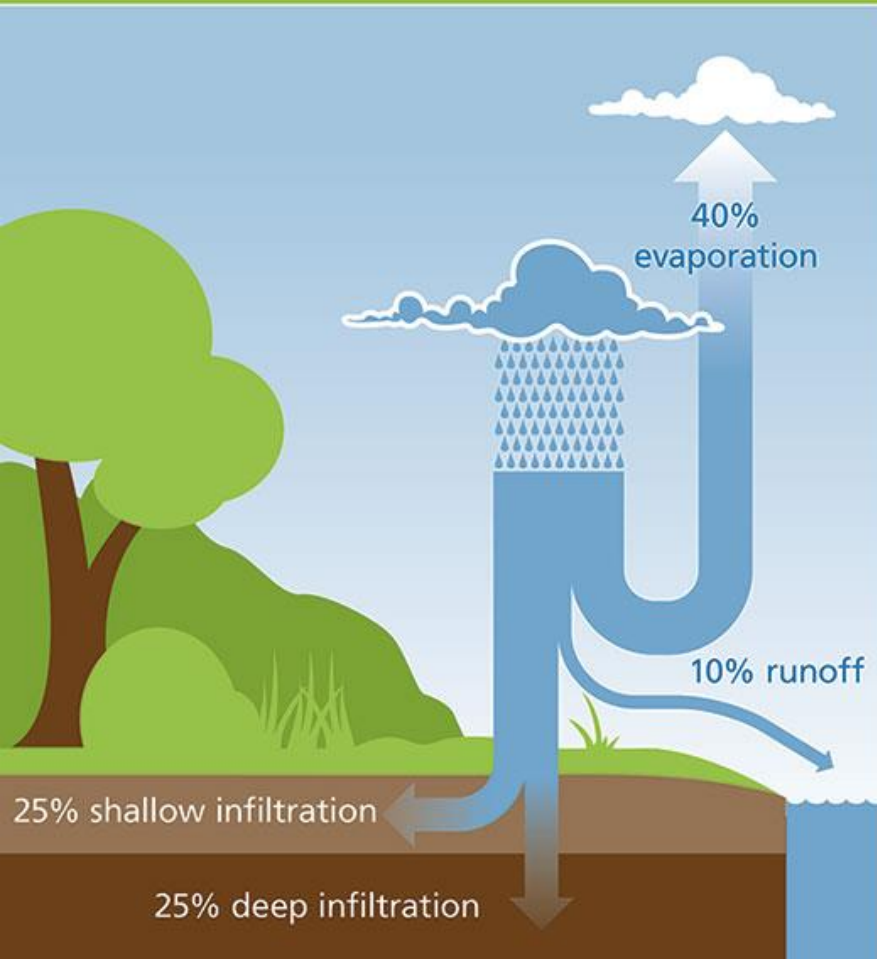
69 Units

3-Story

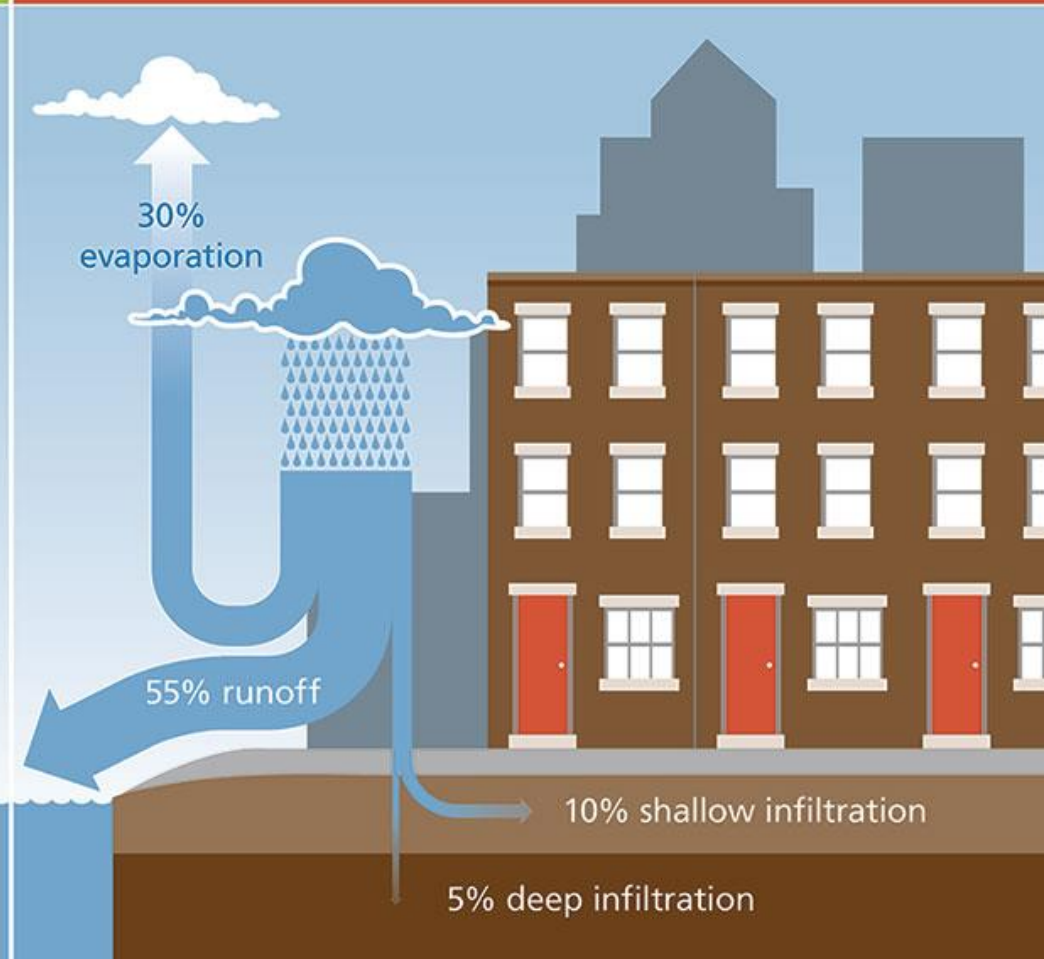
2.16 Acres



NATURAL ENVIRONMENT



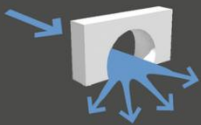
URBAN ENVIRONMENT



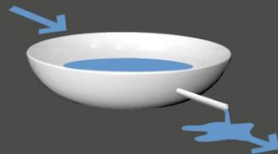


mechanical

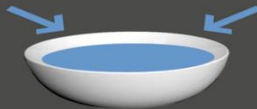
biological



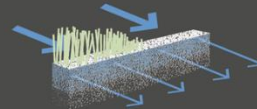
flow control



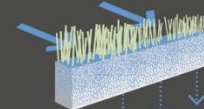
detention



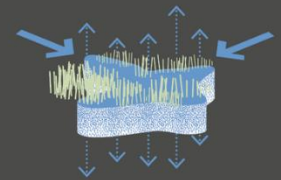
retention



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.

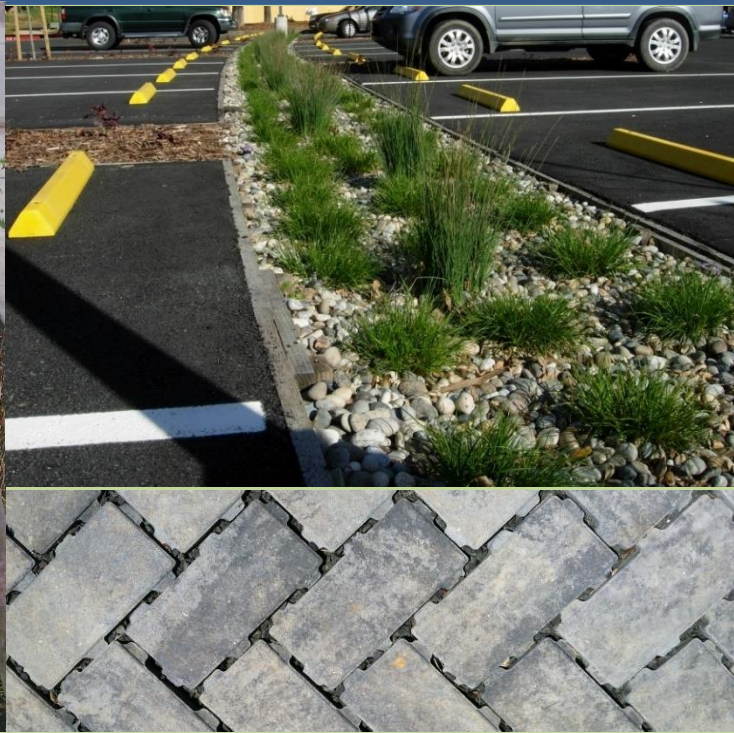
filtration: The sequestration of sediment from stormwater runoff through a porous media such as sand, a fibrous root system, or a man-made filter.

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



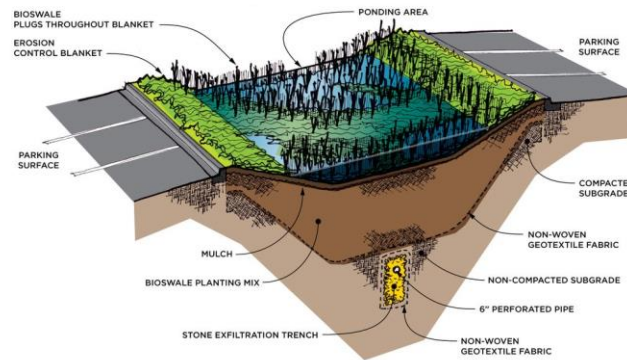
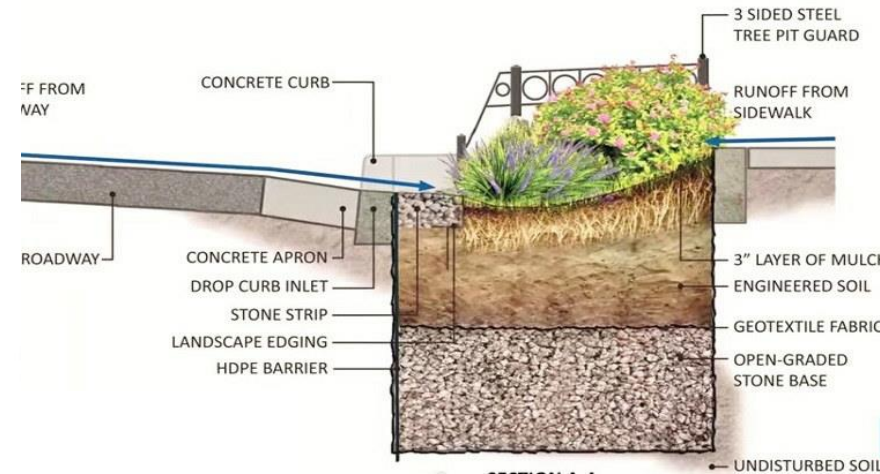
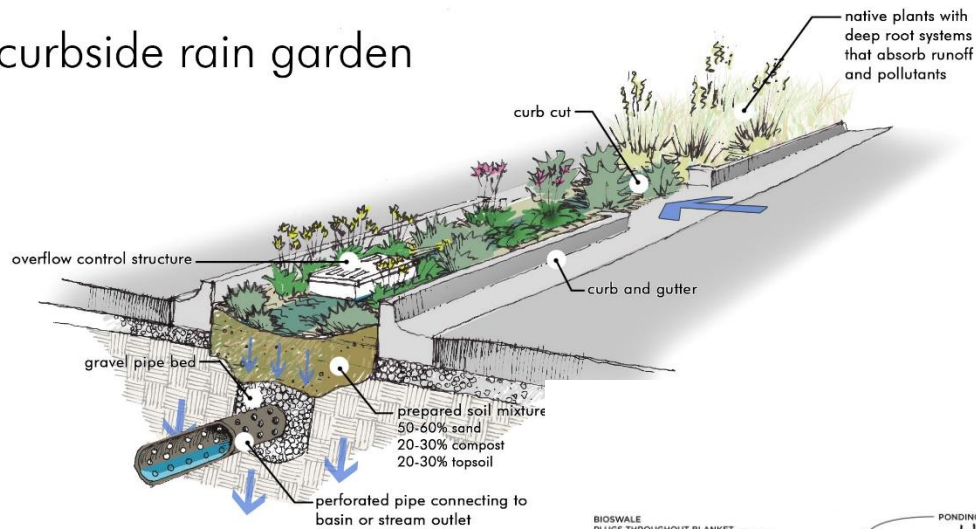
Parking Runoff



Landscape Control



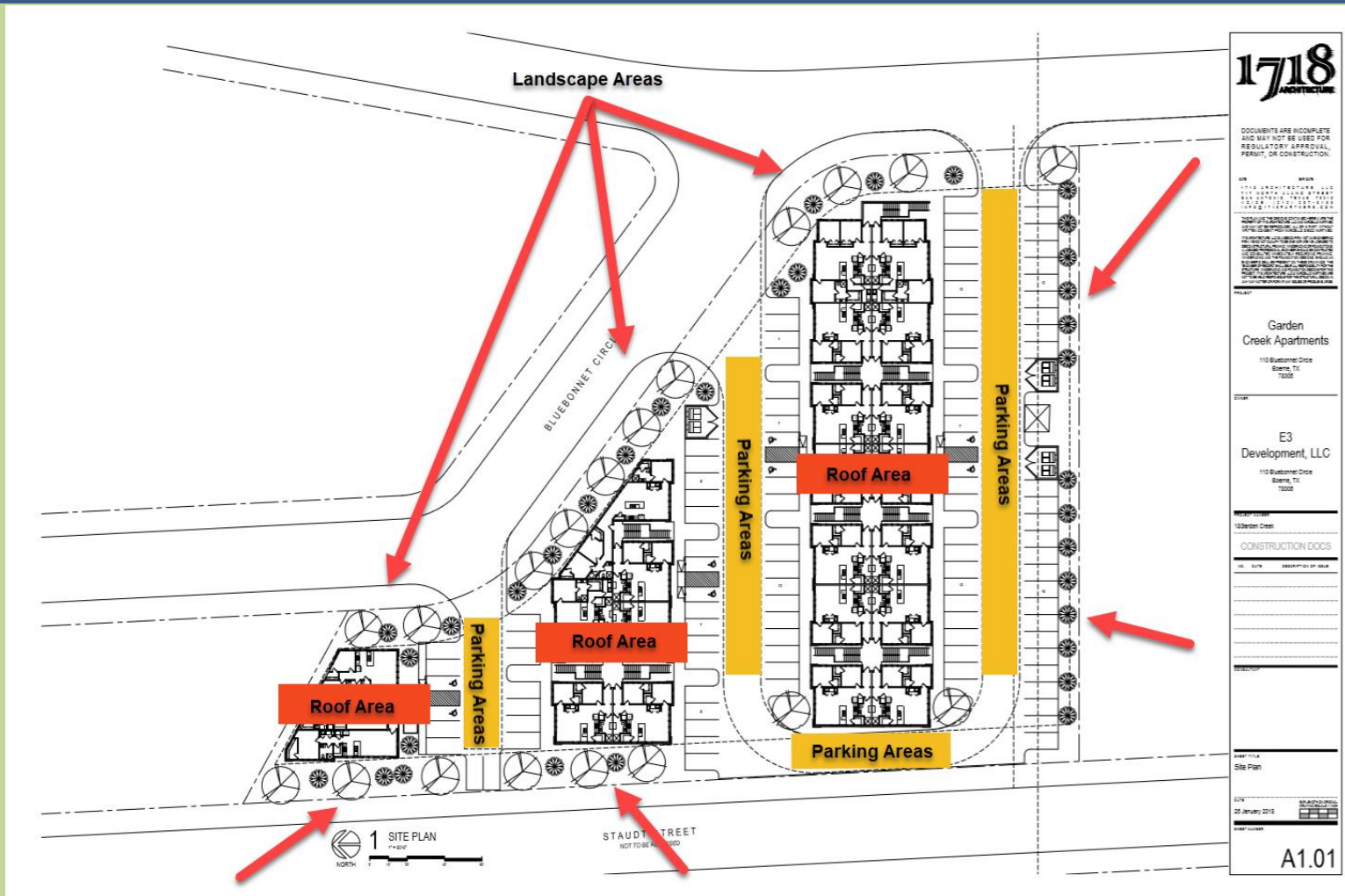
curbside rain garden



Roof Runoff

Parking Runoff

Landscape Control



Roof Runoff

Parking Runoff

Landscape Control