Types of LID Retrofits

- Bioretention
- Rain Garden
- Filterra® Tree Box Filter
- Pervious/Permeable Sidewalks
- Pavement Removal

Photo: MES Parking Lot

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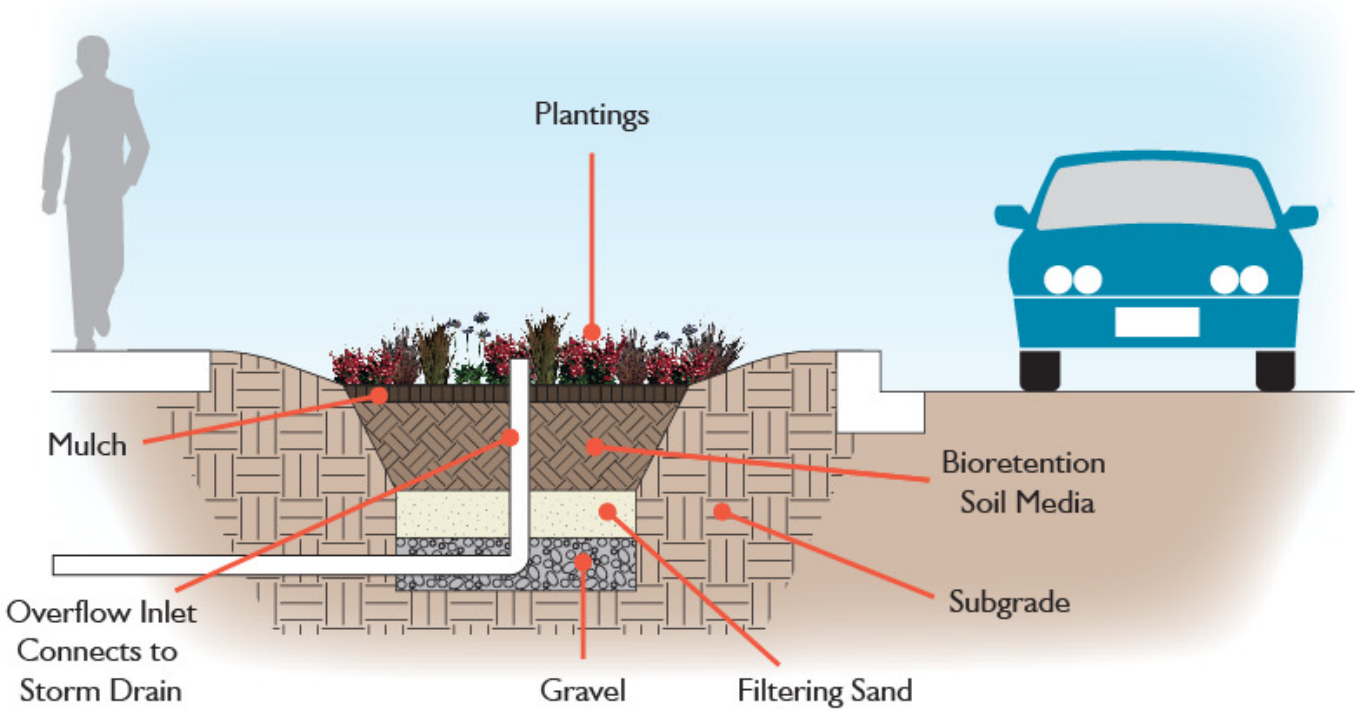
Bioretention



- Landscaping and Bioretention media filter remaining pollutants
- Plants provide nutrient uptake to improve water quality
- Underdrain collects "filtered" water and discharges to a stable outfall

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Bioretention Examples

Photo: Cedar Lane Design Build, Howard County, MD

Photo Credit:: LID Center, Oregon

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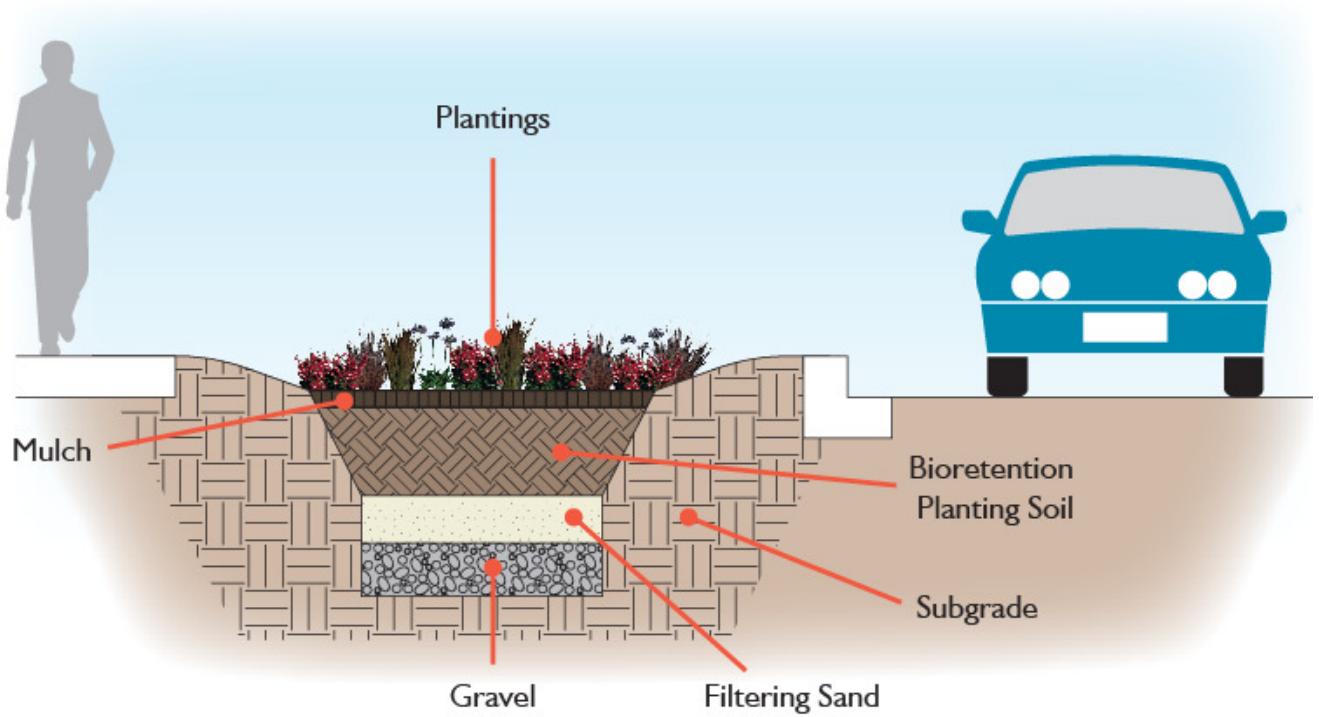
Rain Garden



- Similar to Bioretention EXCEPT there is no underdrain
- The existing soils have adequate infiltration rates to support groundwater recharge

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Rain Garden Examples

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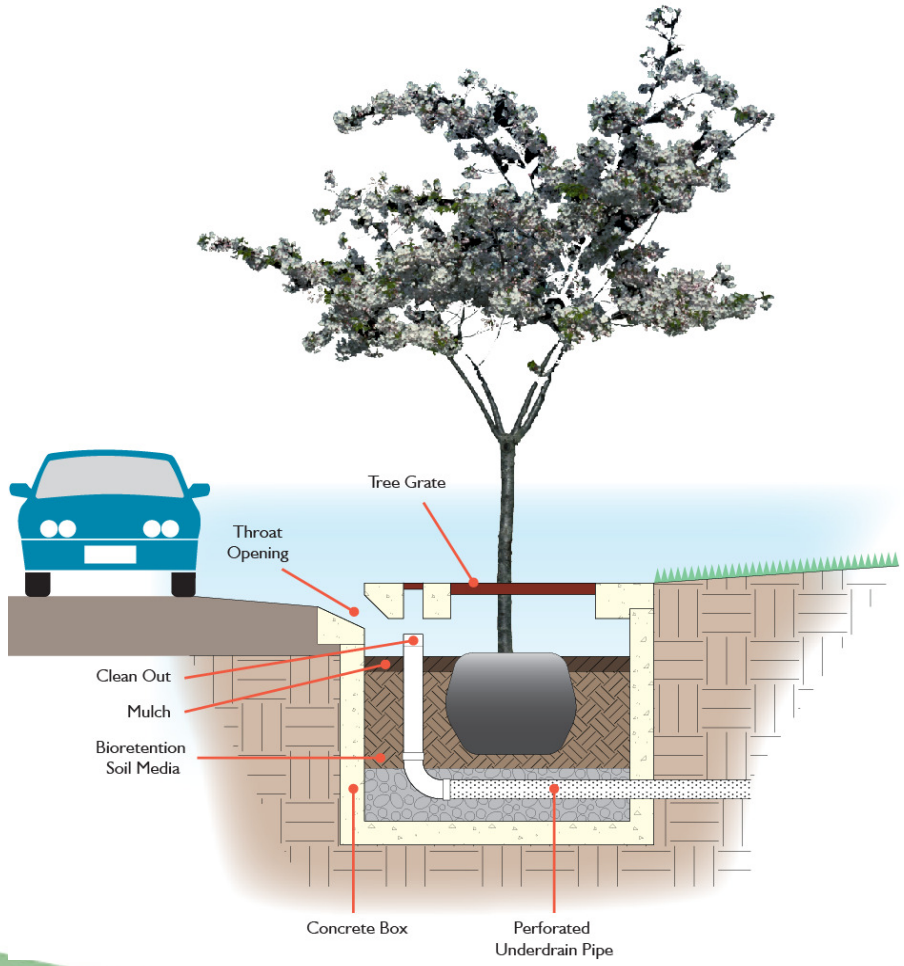
Filterra® Tree Box Filter



- Similar to Bioretention but contained within a concrete structure
- Filterra® provides high removal efficiencies of pollutants within a small footprint

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Filterra® Examples

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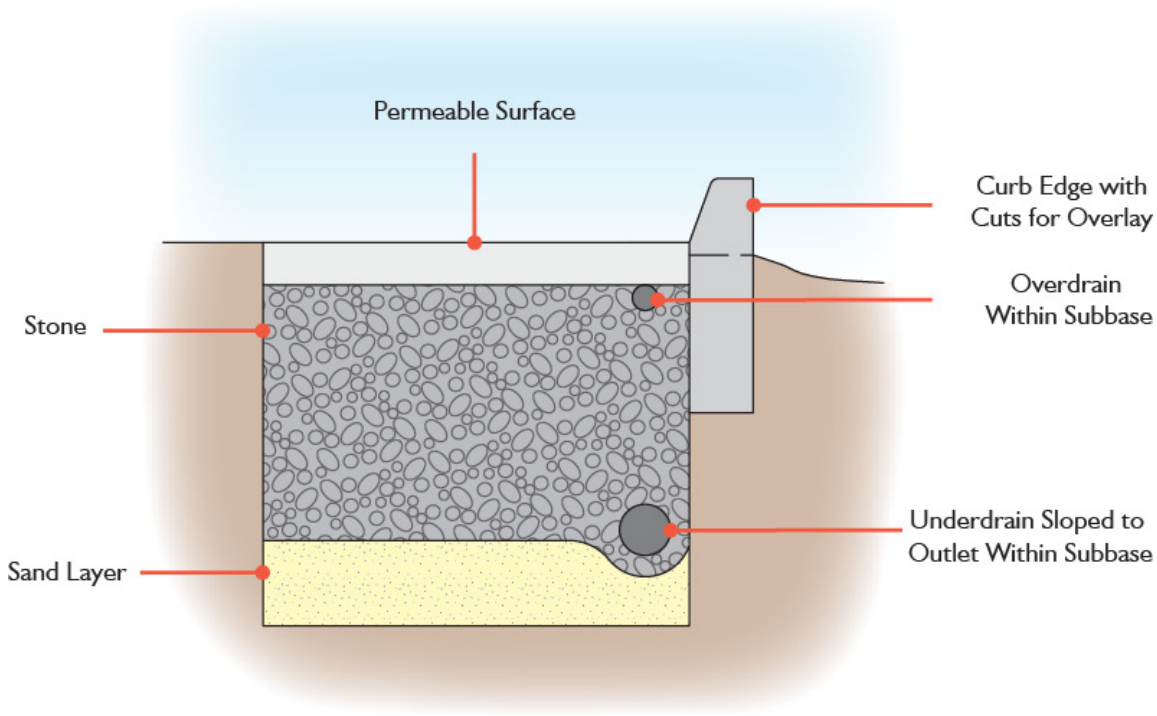
Pervious/Permeable Sidewalks



- Significantly reduces the amount of impervious cover
- Provides water quality and groundwater recharge benefits
- Helps mitigate temperature increases

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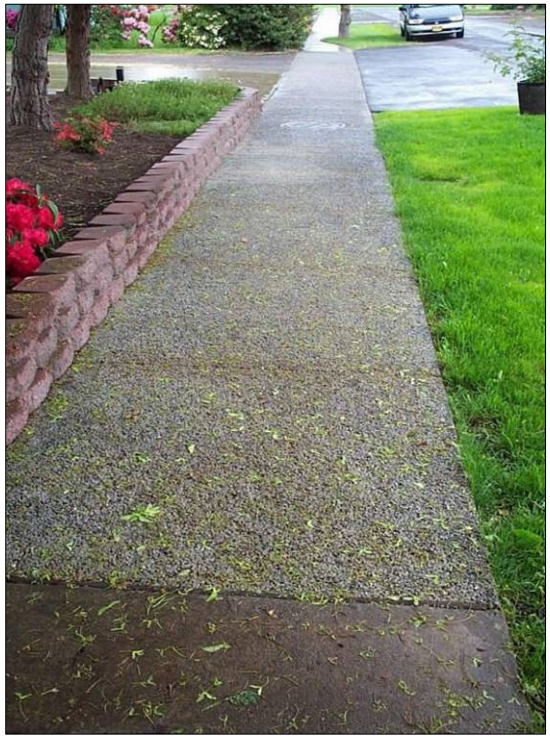
Pervious Sidewalk



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Forest Estates Neighborhood

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Inwood Avenue, Julep Avenue & Folk Street

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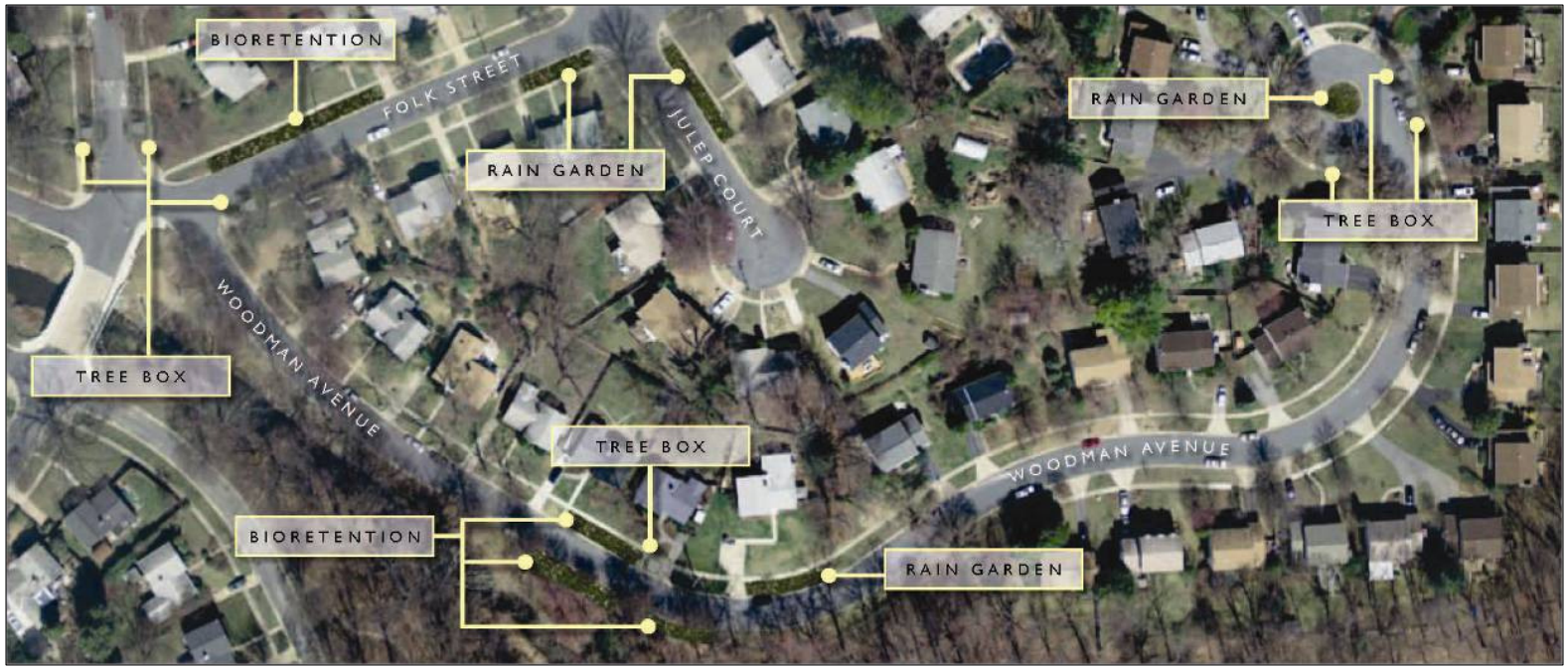
Woodman Avenue, Folk Street & Julep Court



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Woodman Avenue & Imperial Drive

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