

LID TECHNIQUES

Habitat friendly development practices include implementation of low impact development techniques to mitigate for impacts of development in relation to stormwater absorption of the site. LID techniques include:

- eco-roofs,
- roof gardens,
- rainwater collection systems,
- bioretention areas,
- construction site soil amendments,
- alternate pavement surfaces,
- trees, contained planters,
- flow-through planters, and
- infiltration planters.

Each technique may be applied on its own or in groups called trains. When multiple techniques are trained together, water quality and quantity may be more adequately addressed on-site, reducing the need for vaulted systems and reducing the amount of overflow into the storm sewer system.



New Seasons, Cedar Hills Crossing Courtesy: City of Beaverton

Purpose of this Brochure

This brochure serves as an introduction to low impact development techniques.

HABITAT FRIENDLY DEVELOPMENT PRACTICES

BROCHURE SERIES:

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Habitat Friendly Development Practices

...LOW IMPACT DEVELOPMENT (LID) TECHNIQUES

City of Beaverton

Low Impact Development Techniques

Further descriptions of the following LID techniques are available in the City's *Habitat Friendly Development Practices Guidance Manual*.

Eco-roof



Multnomah County Building, Courtesy: City of Portland

Roof Gardens



Market at 2nd Avenue, Courtesy: City of Portland

Roof Rainwater Collection Systems



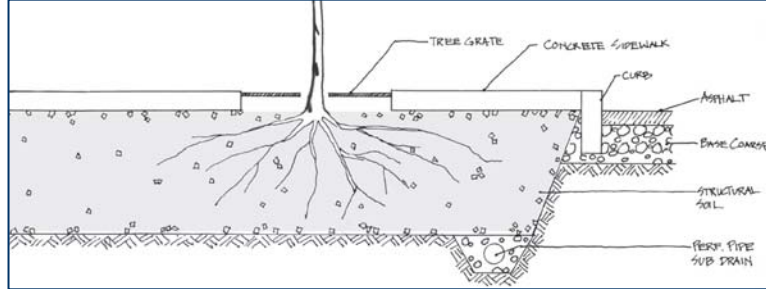
Courtesy: Stormwater Solutions Handbook, BES, City of Portland

Bioretention Areas



Buckman Heights, Courtesy: City of Portland

Amending Construction Site Soils



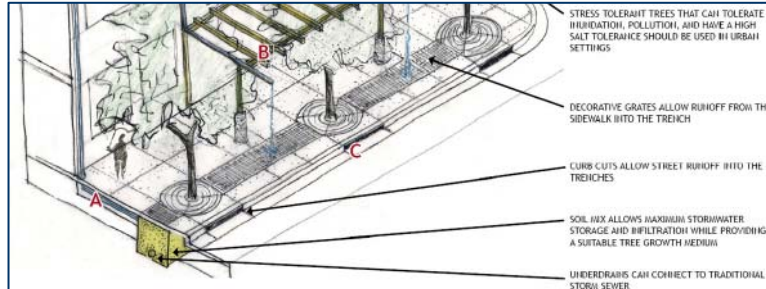
Structural Soils, Courtesy: City of Emeryville, California

Alternate Pavement Surfaces



155th Avenue, Courtesy: City of Beaverton

Trees



Tree Box Filters, Courtesy: Minnehaha Creek Watershed District, Minnesota

Contained Planters



Federal Building, Portland, Courtesy: City of Gresham

Flow-through Planters



Portland State University
Courtesy: Stormwater Management Manual, BES, City of Portland

Infiltration Planters



ShoreBank Pacific, Ilwaco, WA, Courtesy: LCREP