



MANAGEMENT

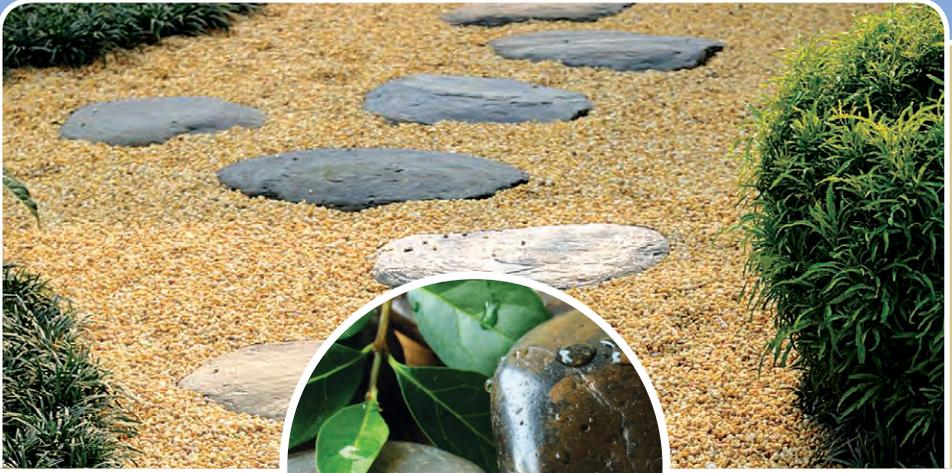
PRACTICES

BEST

Low Impact Development
a great program that helps
make the best use of something
we're all familiar with - **RAINWATER.**



LONG BEACH
DEVELOPMENT SERVICES
BUILDING A BETTER LONG BEACH



Making the best of our most

What is Low Impact Development (LID)?

LID is smart, stormwater management that promotes the use of small-scale, natural drainage features to slow, clean, infiltrate and capture rainfall. It's an economical and efficient way to replenish local aquifers, reduce pollution, increase the reuse of water and improve the quality of our beaches and waterways. Overall, it will help protect the Los Angeles and San Gabriel Rivers watersheds and help improve the health of the Alamitos and San Pedro Bays for both wildlife and people.

LID incorporates six prescriptive Best Management Practices (BMP) measures for small scale residential projects. Brief descriptions of these can be found on the right-side flap of this brochure. For full descriptions, please visit the Long Beach Development Services website at www.lbds.info.

LID is accomplished as a two-step process:

Step One: Proactive site planning that minimizes the amount of new impervious surface on a project.

Step Two: Incorporating LID BMP measures that offset the water runoff from the impervious surfaces of a project.

Any development or redevelopment, which are defined as follows:

Development – any construction to build any new public or private residential projects (whether single-family, multi unit or planned unit development); new industrial, commercial, retail and other non-residential projects, including public agency projects; new impervious surface area; or mass grading for future construction.

Redevelopment – land-disturbing activities that result in the replacement of more than fifty percent (50%) of an existing building, structure or impervious surface area on an already developed site.

Must comply with LID standards



precious resource - water.

The LID Ordinance contains separate requirements for small-scale and large-scale development and redevelopment projects.

- Small-scale projects are defined as residential developments that are less than one acre or are comprised of four units or less or redevelopment that alters more than 50% of existing buildings, structures, or impervious surfaces of an existing developed site.
- Large-scale projects are defined as residential developments that are one acre or greater or has five units or more or commercial, industrial, or automotive developments or where redevelopment results in an alteration of more than 50% of existing buildings, structures, or impervious surfaces of an existing developed site.
- Port of Long Beach Harbor District, as designated in Title 21-Zoning Regulations, development or redevelopment projects shall comply with LID BMP alternatives set forth in the Port of Long Beach Post-Construction Design Guidance Manual.

Exempt projects:

The LID Ordinance does provide exemptions, including:

- Any development or redevelopment that creates, adds, or replaces less than 500 sq. ft. of impervious surface area.
- A development or redevelopment involving only emergency construction activity required to immediately protect public health and safety.
- A development or redevelopment involving the grinding/overlying and replacement of existing parking lots;
- A development or redevelopment involving only re-striping of permitted parking lots;
- A redevelopment resulting in land disturbing activities or replacement of 50% or less of an existing building, structure, or impervious surface area;
- A development or redevelopment where LID requirements are technically infeasible.



How do I make sure my small-scale project meets LID standards?

A small-scale project must utilize at least two LID BMP measures on the project site. To ensure that your project meets LID standards, simply follow the checklist below.

1. Determine the total area of impervious surface created, added, or replaced by your project.
2. Select for implementation at least two LID BMP measures that are adequately sized and compatible with your project.
3. Submit the signed LID BMP fact sheets at the Development Permit Center on the 4th floor of City Hall with your development or redevelopment plans.
4. Obtain approval from City staff.

How do I make sure my large-scale project meets LID standards?

The scope and size of a large-scale project is much greater than a small-scale project. Therefore, the City has developed the LID BMP Design Manual to guide you through the process. Applicants are encouraged to work with an appropriate design professional to ensure that the project adheres to the requirements of the LID BMP Design Manual. The following steps will ensure that your large-scale project meets these requirements.

1. Review the LID BMP Design Manual. Copies are available online at www.lbds.info
2. Work with an appropriate design professional to develop a LID plan that meets the requirements as outlined in the LID BMP Design Manual.
3. Submit the LID plan at the Development Permit Center on the 4th floor of City Hall with your development or redevelopment plans.
4. Obtain approval from City staff.

Offsite mitigation fee

In lieu of the requirements above for small- and large-projects, applicants may elect to pay a one-time offsite runoff mitigation fee of \$3 for each sq.ft. of impervious surface created, added, or replaced. However, to maximize onsite compliance, implementation of applicable National Pollutant Discharge Elimination System (NPDES) and Standard Urban Stormwater Mitigation Plan (SUSMP) regulations shall be required.

Small Scale Residential LID BMP Measures



Dry Well

Dry-Well systems present an easy to install and sustainable solution for stormwater control. This Best Management Practices water run-off choice is known as the “invisible” solution - it’s underground!



Permeable Pavement

Did you know there are pavement choices that let the water seep right through? These convenient and functional paving products bring the ultimate in beauty and practicality to Best Management Practices rainwater control.



Planter Box

What could be better than a Best Management Practices component that adds so much to your environment? Planter box natural filtration systems not only provide exceptional water management, but bring beauty and life to your property.



Rain Barrel

Rain barrels have been a part of intelligent rainwater management for thousands of years. As a Best Management Practices component, rain barrels provide an extremely cost-effective rainwater storage and distribution solution.



Rain Garden

Imagine a garden that combines visual beauty and a thriving habitat with responsible water management. That’s the perfect description of a Best Management Practices rain garden - an economical, enjoyable environmental oasis.



Tree Planting

A popular favorite, canopy trees, are another logical Best Management Practices component that provides excellent water management. In addition to assisting in runoff control, they provide shade and beauty to every environment.

For more information, contact
Long Beach Development Services at

(562) 570.5237 or www.lbds.info

