Most **businesses in RI** have large, impervious surfaces (parking areas, rooftops and sidewalks) that cause **stormwater** to **run off** into local waterways. As a local business owner, **you** have an **important role** in helping to manage this problem in the Ocean State. **Here's how.**

There is a cost-effective way for RI businesses to control flooding, improve site aesthetics, and manage stormwater. It's called LID (Low Impact Development).



www.ristormwatersolutions.org

Additional Resources:

RI Stormwater Design and Installation Standards Manual and supporting guidance: http://www.dem.ri.gov/programs/benviron/water/permits/ripdes/ stwater/t4guide/desman.htm RI LID Site Planning and Guidance Manual http://www.dem.ri.gov/programs/bpoladm/suswshed/ pdfs/lidplan.pdf



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TOWN LOGOS HERE

NEW STORMWATER MANAGEMENT STRATEGIES FOR RI BUSINESS OWNERS

ww.ristormwatersolutions.org

S tormwater runoff is the main cause of pollution to RI waters. Runoff contributes to flooding, closed beaches and is the leading threat to our water resources. Low Impact Development

AVOID. REDUCE. MANAGE.

(LID) solutions can help address these issues by capturing, slowing and infiltrating runoff on site. Because most LID techniques are easy to implement, LID can help reduce infrastructure costs

and protect the environment. The premise is simple: **avoid** disturbing natural site conditions; **reduce** impervious surfaces and **manage** stormwater runoff with these LID alternatives at your site. CLEAN WATER: IT'S YOUR BUSINESS

LOW IMPACT ALTERNATIVES FOR RI BUSINESSES

Disconnect Downspouts

and easily re-direct roof runoff from storm drains by diverting water toward a vegetated area that will "slow the flow," remove potential pollutants and promote groundwater recharge.

Water Harvesting

is an economical way to capture and re-use stormwater that can also reduce water utility costs. Roof runoff can be collected in cisterns or rain barrels and used later for landscape irrigation or other non-potable applications, both indoors and out.

Stormwater Planters

are vegetated containers that collect and filter runoff, slowly releasing clean water into the ground. They are affordable, do not require a large amount of elbow-room and can add aesthetic appeal to areas where space is a premium.

Green-scape

your site with low cost, low-maintenance, native plant material that encourages retention of water onsite and minimizes the use of lawns, fertilizers and pesticides. Direct any water that does run off to vegetated buffers, rather than to storm drains.

DO NOW













Bio Retention Areas

are landscaped depressions that collect and filter stormwater through layers of mulch, soil and plants. Pollutants are retained, degraded and absorbed, while clean water is then infiltrated or discharged into a stormwater system.

Parking Lot Design and Permeable Pavements

Plan to maximize efficiency and decrease impervious surface by incorporating a variety of LID features to help infiltrate stormwater and snow melt. Smaller lot size, porous pavement and elements such as tree filter pits, vegetated bioretention islands or permeable overflow parking can help mitigate polluted runoff. Permeable pavers are paving blocks dry laid on a surface with spaces left in between to allow water to percolate into the ground. Sand, gravel or plants are used to fill void spaces. Permeable materials are well suited for use in parking lots, low traffic roads, driveways, walkways or decorative edging.

Retrofit Existing Basins

by converting old style drainage basins into wet vegetated treatment systems, which are more functional treatment practices for infiltrating runoff. New wet basin designs can be quite effective in removing pollutants and add an aesthetic element to the landscape.

soak it.

catch it. clean it. slow it.

PLAN AHEAD



