

Low Impact Developments Your Guide to in Greater Grand Rapids

This is your guide to low impact developments (LID) in Greater Grand Rapids, Michigan. The map inside this brochure will direct you to 11 sites with LID techniques. Communities are using these new techniques to better manage storm water and protect Michigan's streams, rivers, and Great Lakes.

What is Storm Water Pollution?
When it rains, storm water flows over lawns, streets, and parking lots carrying with it debris and pollutants. Eventually, this water will travel over land or through a storm drain. Unlike sanitary sewers that carry wastewater to a treatment plant directly from your home, storm drains lead to nearby streams and lakes without any type of treatment. This source of pollution is a significant problem.

What is Low Impact Development?
LID is a better way to manage storm water. LID techniques store, filter, and absorb storm water where it falls to mimic natural site conditions. LID keeps large volumes of storm water, and associated pollutants, from reaching our waterbodies.



Unfold brochure for a map of local LID sites!



Green Roof



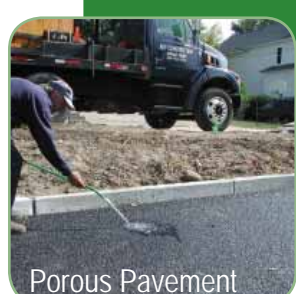
Native Landscaping



Rain Garden



Grass Swale



Porous Pavement



Storm Water Reuse



Storm Water Wetland

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in
Greater Grand Rapids,
Michigan

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Green Roof
Green roofs have a vegetative layer of grass, ground cover, or even trees. They absorb rainfall, extend a roof's life, and reduce energy costs.
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Native Landscaping
Landscaping with plants that are native to your area means less fertilizer, watering, and care. Native plants have longer roots that absorb more storm water and pollutants than turf grass.
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Rain Garden
Rain gardens have a dip at the center to collect, filter, and soak up rainwater. They are planted with native shrubs, wildflowers, and grasses, which need less fertilizer and water than non-native plants.
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Grass Swale
Grass swales have a broad, gently sloped channel and thick vegetation. These swales collect and absorb storm water and pollutants.
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Porous Pavement
Porous pavement has spaces that let rainwater pass through. Because water can soak into the soil, this type of pavement does not create large volumes of storm water runoff.
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Storm Water Reuse
Storm water reuse is the recycling of rainwater. Storm water is stored for irrigation or other uses. Through its collection and reuse, storm water does not have to be dumped into the storm sewer.
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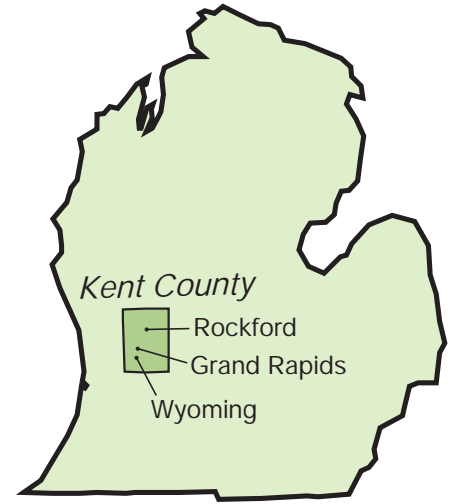
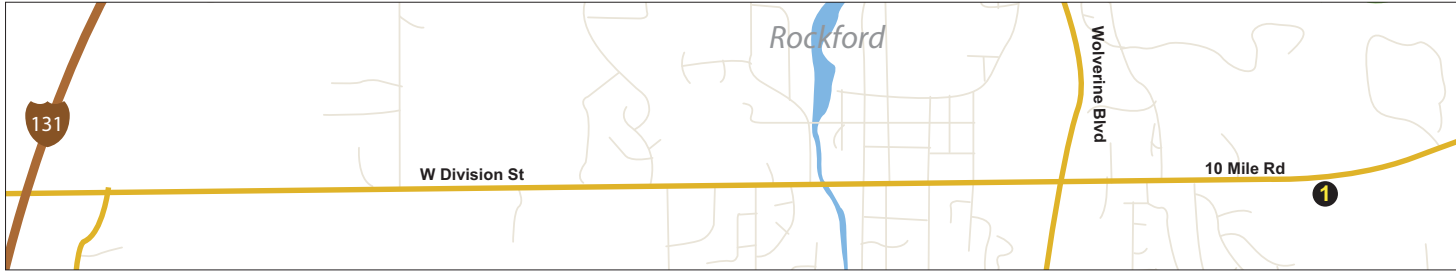
Storm Water Wetland
Storm water wetlands are shallow pools with wetland plants. Wetlands collect and store storm water. Plants absorb pollutants that fall to the bottom of the pool.



www.greenbuiltmichigan.org/LID

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 in Greater Grand Rapids



1 Villas of Rosewood (2006)
 10 Mile and Rose Ridge Drive, NE
 Rockford

2 Grand Rapids
 Community College (2004)
 143 Bostwick Avenue, NE
 Grand Rapids

3 East Hills Center
 (of the Universe) (2005)
 1001-1009 Lake Drive, SE
 Grand Rapids

4 Fairmont Square (2007)
 920 Cherry Street, SE
 Grand Rapids

5 Hispanic Center
 of Western Michigan (2006)
 1204 Grandville Avenue, SW
 Grand Rapids

6 Metro Health Village (Scheduled 2007)
 5900 Byron Center Avenue, SW
 Wyoming

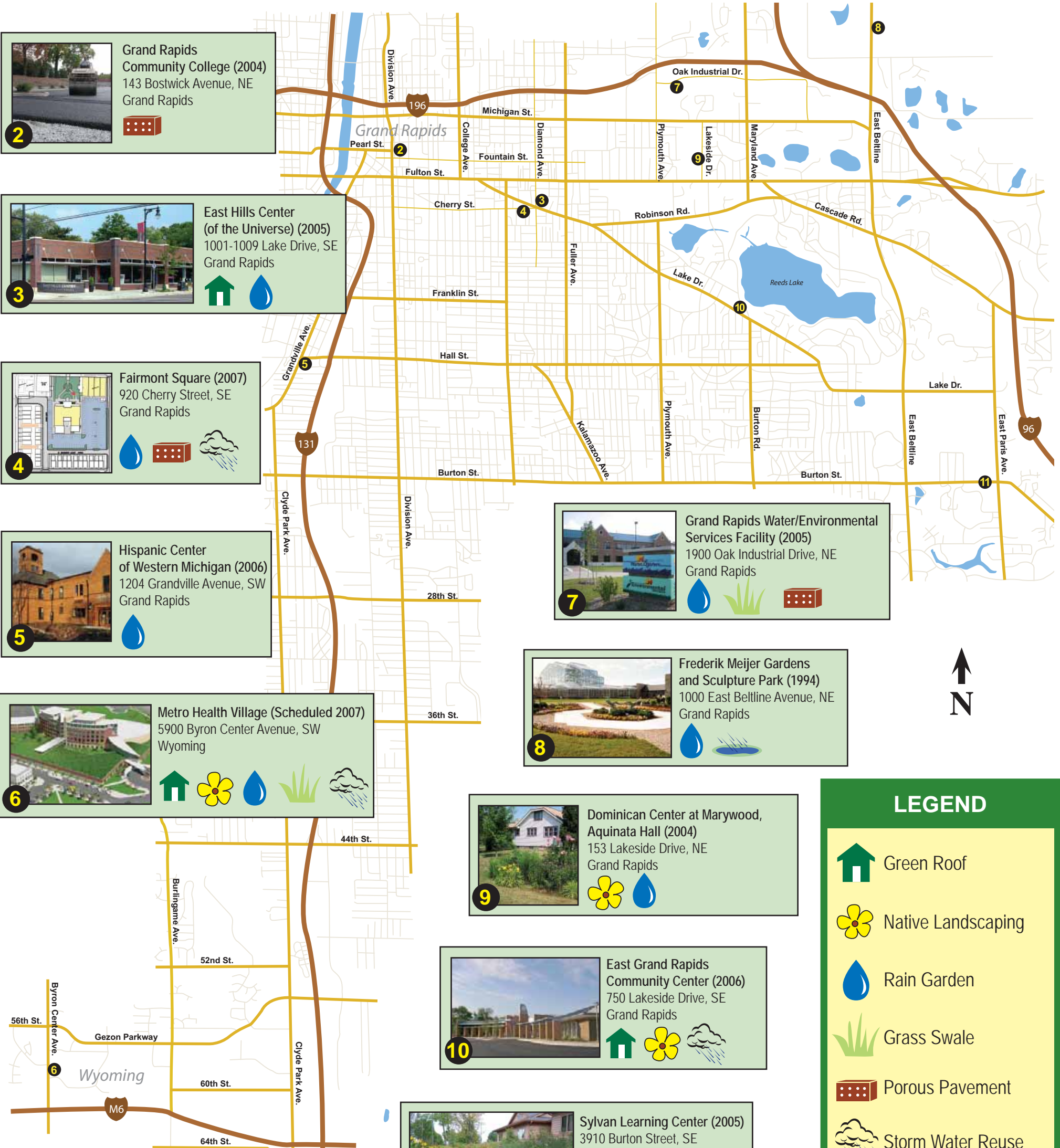
7 Grand Rapids Water/Environmental
 Services Facility (2005)
 1900 Oak Industrial Drive, NE
 Grand Rapids

8 Frederik Meijer Gardens
 and Sculpture Park (1994)
 1000 East Beltline Avenue, NE
 Grand Rapids

9 Dominican Center at Marywood,
 Aquinata Hall (2004)
 153 Lakeside Drive, NE
 Grand Rapids

10 East Grand Rapids
 Community Center (2006)
 750 Lakeside Drive, SE
 Grand Rapids

11 Sylvan Learning Center (2005)
 3910 Burton Street, SE
 Grand Rapids



LEGEND

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For more information on these LID sites
 visit www.greenbuiltmichigan.org/LID