1. Record Nr. UNINA9910460189103321 International low impact development conference 2015 : LID : it works **Titolo** in all climates and soils / / edited by Michael Barrett, Ph.D., P.E., D.WRE Pubbl/distr/stampa Reston, Virginia:,: American Society of Civil Engineers,, 2015 ©2015 Descrizione fisica 1 online resource (446 p.) Disciplina 363.7284 Soggetti Urban runoff - Management Sanitary engineering Sustainable development Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references at the end of each chapters. ""Cover""; ""Contents""; ""Computational Methods""; ""Active Nota di contenuto Hydromodification Control""; ""Application of SWMM in Evaluating the Reduction Performance of Urban Runoff Treatment Systems with Varying Land Use""; ""Application of the SUSTAIN Model to a Watershed-Scale Case for Water Quality Management"; ""Development of LID Design Systems for Waterfront Cities""; ""Modeling Sedimentation in Underground Stormwater Detention Chamber Systems""; ""Use of Multi-Objective Evolutionary Algorithm Optimization for Low Impact Development Placement""; ""Education, Training, and Outreach"" ""Not in My Front Yard: Overcoming Public Resistance to Urban GSI Retrofit Projects"""Successful Public Outreach Programs for Green Infrastructure Projects""; ""Using LID Projects to Engage K-12 Audiences: A Rainwater Harvesting Story""; ""Green Infrastructure Construction""; ""Implementation and Operation of Coconut Fibre/Husks Stormwater Filters As Sustainable Drainage Systems (SuDS) for Rural Communities across the Caribbean""; ""Santa Cruz County LID Groundwater Recharge Project, Santa Cruz, California, U.S.A.""; ""Green

Infrastructure Performance Studies""

""Amending Soils for Enhanced Infiltration of Stormwater"""An

Extremely Undersized Infiltration Trench 10 Years Later""; ""Field-Scale Evaluation of a Floating Media Bed Reactor for Nutrient Treatment in a Wet Detention Pond""; ""Bioretention and Permeable Pavement Performance in Clay Soil""; ""Evaluation of Rainwater Harvesting with Cloud-Based Infrastructure As a Stormwater Control Measure"; ""Comparative Evaluation of Floating Treatment Wetlands for Nutrient Removal and Algal Toxin Control in Wet Detention Ponds"" ""Measurement and Optimization of Permeability in Bioretention Soil Media"""Optimizing Green Roof Design for Evapotranspiration"": ""Pervious Concrete Performance in Eastern Washington: Surface Infiltration""; ""Retrofitting Rooftops to Support Multiple Green Infrastructure Systems"; ""Stormwater Treatment Performance of a Permeable Pavement-Biofiltration System and a Stand-Alone Biofiltration Unit in North Carolina""; ""Successful Green Infrastructure Implementation in Cold Weather Climates""; ""Performance of a LID Treatment Train in Shenzhen University during Extreme Storm Events" ""Performance of Hydromedia Pervious Concrete Pavement in Ontario Subjected to Urban Traffic Loads"""Landscapes, Planning, and Site Design""; ""A Stormwater Exfiltration System for a Road Retrofit""; ""Beyond Green LID Zero Runoff Strategies for Our Cities""; "Comparative Evaluation of Different Types of Permeable Pavement for Stormwater Reduction St. Louis Green Alley Pilot Study""; ""Continuous Distributed Modeling of LID/GI: Scaling from Site to Watershed""; ""Encouraging Human Health and Wellness: LID Planning and Design for Co-Benefits""

""Extended Performance of Media Filter Drains: Existing Media""