

Storm Water in Construction & Development

RESOURCES

Massachusetts edition

Federal and State Regulations and Policy

EPA New England Storm Water Permit Program

www.epa.gov/ne/npdes/stormwater/index.html

MA DEP Storm Water Program

www.mass.gov/dep/water/wastewater/stormwat.htm

Massachusetts Water Policy

www.mass.gov/envir/wptf/default.htm

M.G.L. Chapter 83 (Sewers, Drains and Sidewalks), updates to Section 4 (Highway Drains) and Section 5 (Separate Systems for Drainage of Water and Sewage).

www.mass.gov/legis/laws/mgl/gl-83-toc.htm

Best Management Practices—Guides & Manuals

Massachusetts Erosion and Sedimentation Control Guidelines for Urban and Suburban Areas: A Guide for Planners, Designers and Municipal Officials

www.mass.gov/dep/water/laws/policies.htm#storm

Massachusetts Stormwater Policy and Handbook

www.mass.gov/dep/water/laws/policies.htm#storm

MassHighway Stormwater Handbook for Highways and Bridges

<http://166.90.180.162/mhd/downloads/projDev/swbook.pdf>

Town of Franklin Best Development Practices Guidebook

www.franklin.ma.us/auto/town/pacdev/currplan/bdpguide/default.htm

Using Smart Growth Techniques as Stormwater Best Management Practices (EPA)

www.epa.gov/smartgrowth/stormwater.htm

Operation, Maintenance & Management of Stormwater Management Systems (EPA)

www.epa.gov/owow/nps/wmi/

Kentucky Erosion Prevention and Sediment Control Field Guide

Very readable and full of great photos and illustrations. Compact and durable.
www.water.ky.gov/sw/nps/Publications.htm

Connecticut Guidelines for Soil Erosion and Sediment Control (2002). Richly illustrated guide to 46 measures and how to use them singly or in combination. Must be purchased.
<http://dep.state.ct.us/store/index.htm>

Maryland Stormwater Design Manual

www.mde.state.md.us/Programs/WaterPrograms/SedimentandStormwater/stormwater_design/index.asp

Storm Water Compliance Assistance Toolkit for Small Construction Operators (Minnesota Pollution Control Agency)

www.pca.state.mn.us/publications/wq-strm2-09.pdf

Keeping Soil in Its Place: A Presentation on Erosion and Sediment Control (The Center for Watershed Protection) Slide show.

www.stormwatercenter.net/Slideshows/ESC.htm

Best Management Practices for Contractors and Inspectors (Jerald S. Fifield)

Available at the International Erosion Control Association bookstore. Not a public document, but used by many in the profession. Must be purchased.
www.ieca.org/Bookstore/BookDetails.asp?BookID=7&Type=Add

National Management Measures to Control Nonpoint Source Pollution from Urban Areas A comprehensive look at how communities can deal with storm water. Use the

bookmark function to select topics in this lengthy document.
www.epa.gov/owow/nps/urbanmm/

Best Management Practices—Individual devices & methods

Storm Water Phase II Menu of Best Management Practices (EPA)

Erosion & Sediment Control

http://cfpub.epa.gov/npdes/stormwater/menuofbmps/con_site.cfm

Permanent SW Control:

<http://cfpub.epa.gov/npdes/stormwater/menuofbmps/post.cfm>

Stormwater Technologies Clearinghouse (U Mass Amherst and DEP)

Searchable database of technologies for which performance data has been verified. Under development.
www.mastep.net

Center for Stormwater Technology Evaluation and Verification (UNH)

Field tests BMPs installed at the UNH campus. Tours offered regularly.
www.unh.edu/erg/cstev/

International Storm Water Best Management Practices (BMP) Database (EPA, American Society of Civil Engineers, others)

www.bmpdatabase.org

Models

Massachusetts Attorney General Municipal Law Unit Sample Bylaws

Under Zoning, see

“Adoption of Local Stormwater Bylaws,”

“Stormwater Management and Land Disturbance Bylaw,” and

“Bylaw Governing Post-Construction Stormwater Management of New Developments and Redevelopments”

www.ago.state.ma.us/sp.cfm?pageid=1036

Model Stormwater Management Bylaw and Regulations (Horsley & Witten, funded by MA Coastal Zone Management) Post-construction SW management.

www.horsleywitten.com/

Open Space Residential Development & Design: model bylaw, ordinance, rules and regulations (MA CZM)

www.mass.gov/czm/publications.htm (under Miscellaneous)

Conservation subdivision bylaw development guide and case studies (Boston Metropolitan Area Planning Council)

www.mapc.org/regional_planning/land_use.html

Pioneer Valley Planning Commission

Model erosion & sediment control ordinance: www.pvpc.org/html/tier3/landuse/bylaws.html

How to create a stormwater utility: www.pvpc.org/docs/landuse/storm_util.pdf

Code and Ordinance Worksheet (Center for Watershed Protection)

www.cwp.org/COW_worksheet.htm

Low Impact Development & Smart Growth

Massachusetts Low Impact Development Program

www.mass.gov/envir/lid/default.htm

Massachusetts Smart Growth Program

www.mass.gov/ocd/smartgrowth.html

Massachusetts Commonwealth Capital Fund

www.mass.gov/ocd/docs/comcap_application.pdf

Urban Environmental Design Manual (RI DEM)
www.dem.ri.gov/programs/bpoladm/suswshed/pubs.htm

Builders' and Municipal Guides to Low Impact Development (National Association of Home Builders) Brochures.
www.nahbrc.org/tertiaryR.asp?TrackID=&DocumentID=3834&CategoryID=36

Creating Great Neighborhoods: Density in Your Community (National Association of Realtors)
[www.realtor.org/SG3.nsf/files/DensityManual.pdf/\\$FILE/DensityManual.pdf](http://www.realtor.org/SG3.nsf/files/DensityManual.pdf/$FILE/DensityManual.pdf)

Protecting Water Resources with Smart Growth and Getting to Smart Growth (EPA)
www.epa.gov/smartgrowth/

Catching the Rain: A Great Lakes Resource Guide for Natural Storm water Management (American Rivers)
<http://amr.convio.net/site/DocServer/CatchingTheRain.pdf?docID=163>

The Practice of Low Impact Development (US HUD / NAHB)
Part II, Section 2: Storm Water Management
www.huduser.org/Publications/PDF/practLowImpctDevel.pdf

Making the Connection: Smart Growth and Water Resource Protection (EPA)
Training module.
www.epa.gov/watertrain/smartgrowth/

Other

International Erosion Control Association
Offers a Certified Professional in Erosion and Sediment Control program and other training.
www.ieca.org
Northeast chapter offerings: www.ieca.org/Chapter/northeast/northeasthome.asp