

Municipality/Organization: Town of Longmeadow

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EPA NPDES Permit Number: MA041013

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MaDEP Transmittal Number:

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Annual Report Number Year 15  
& Reporting Period: March 2017-March 2018

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## NPDES PII Small MS4 General Permit Annual Report

### Part I. General Information

Contact Person: Andrew J. Krar, P.E.

Title: Town Engineer

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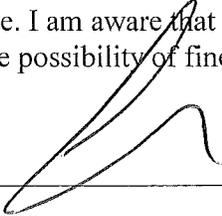
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#### Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature:



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Printed Name: Andrew J. Krar, P.E.

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Title: Town Engineer

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Date: April 28, 2018

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## **Part II. Self-Assessment**

**The Town of Longmeadow has performed a self-assessment of progress toward meeting the minimum control measures under the NPDES MS4 Phase II permit. The Town publicizes stormwater related issues and supports and encourages active participation by Town residents in addressing pollution and stormwater concerns. The Town previously completed mapping of stormwater outfalls and has continued to update maps of drainage culverts, manholes, and catch basins. The Town applied for and received grant funding to geocode and condition-rate DPW assets, which it is currently using to update the stormwater system map. Town staff inspected outfalls, catch basins, and culverts for potential illicit discharges. The Town has continued review of existing regulations, including the Massachusetts Wetlands Protection Act and the MADEP Stormwater Management Standards, and has previously enacted appropriate bylaws. The Town has moved forward with its catch basin cleaning program, having cleaned 33 catch basins and replaced roughly 120 under the 2017-2018 permit period. The Town's efforts to meet the identified measurable goals including ongoing compliance efforts are briefly summarized in Part III Summary of Minimum Control Measures.**

### **Acronyms Used in Following Pages**

Cons. Com. = Conservation Commission

DPW = Department of Public Works

PVPC = Pioneer Valley Planning Commission

### Part III. Summary of Minimum Control Measures

#### 1. Public Education and Outreach

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 13 (Reliance on non-municipal partners indicated, if any)	Additional Planned Activities
1A	Hazardous Waste Day	Board of Health/DPW	Give residents opportunity to drop off hazardous waste	Hazardous Waste day was held in September of 2017.	Hazardous Waste day is scheduled for September of 2018.
1B	Pet Waste Bylaw	Public Works Director	Completed	Bylaw in place. Public education included posting notice on web page. Distributed pet waste flyers prepared by PVPC.	Public education: to include posting notices through press releases.
1C	Longmeadow Website	Town Engineer	NPDES Information on DPW website	The Department of Public Works has incorporated NPDES information on the town web site.	The Department of Public Works will continue to incorporate NPDES information on town web site.
1D	Public Outreach	PVPC	Variety of public outreach activities	Contributed \$2,000 to participate in regional public outreach and education stormwater program. Actively participated in committee programs.	Continue to be part of PVPC's regional public outreach and education stormwater program.
1E	Newspaper Press Releases	Town Engineer	Publish stormwater/water quality info twice per year	Published water quality reports and notices to the town website.	Continue to publish stormwater/water quality info at least twice per year.
1F	Classroom Education	School District/Town Engineer	Incorporate water quality into curriculum	Work with school science coordinators to incorporate into curriculum.	Continue to work with school science coordinators to incorporate into curriculum.
1G	Public displays/handout	Public Works Director	Post stormwater related educational posters and handouts in Town Hall	Posted stormwater related educational posters and handouts in Town Hall. Distributed "Greenscapes" materials to public. Displayed materials at "Longmeadow Days" Town Fair. Included bill stuffers on lawn care practices.	Post stormwater related educational posters and handouts in Town Hall. "Greenscapes" materials distribution to public. Post materials at Longmeadow Days. Bill stuffers on conservation and "green" topics.
1H	Public Announcements	Town Engineer	Present Public Service Announcement (PSA) on local cable station	Distribution of stormwater educational pamphlets to residents at town hall.	Continue to distribute educational materials to residents and businesses.

## 2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 13 (Reliance on non-municipal partners indicated, if any)	Additional Planned Activities
2A	Stream Cleanup and Monitoring	DPW Director and Town Engineer	Organize concerned residents to walk and clean up stream. Support interested groups by providing tools and disposing of trash bagged by participants.	Continued discussions with Cons. Com. to develop ideas and cooperative efforts.  Supported Connecticut River Cleanup activities by providing availability for participants to arrange for the Town to pick up and dispose trash bags if requested.	Continue to support interested groups by providing tools and disposing of trash bagged by participants.  Providing flyers regarding disposal of dog waste.
2B	Adopt a Stream	Public Works Director	Organize concerned citizens to adopt streams. Support interested groups by providing tools and disposing of trash bagged by participants.	Supported Connecticut River Cleanup activities by providing material support and disposal of trash if requested.	Continue to support interested groups by providing tools and disposing of trash bagged by participants.
2C	Stormwater Committee	Board of Selectmen	Stormwater Committee formed	Previously formed stormwater committee with representation from Conservation Commission, Board of Health, Building, Planning, and DPW.	Raised issues at select board meeting to promote stormwater utility. Included in annual Engineering Report.
2D	Invasive Species Removal	Public Works Director	Provide appropriate disposal area for removed vegetation	Previously provided appropriate disposal area for water chestnut vegetation removed by volunteers coordinated by EPA.	Continue to provide appropriate disposal area for removed vegetation to support efforts to eradicate invasive species.
2E	Adopt-a-Triangle	Parks Dept.	Support interested groups by providing tools and disposing of trash bagged by participants.	Supported volunteer activities by picking up and disposing of trash bagged by participants.	Support interested groups by providing tools and disposing of trash bagged by participants.

### 3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 13 (Reliance on non-municipal partners indicated, if any)	Additional Planned Activities
3A	Sanitary Sewer Maintenance Program	Public Works Assistant Director	Develop plan of cleaning and inspecting sewer mains	Town continued to inspect sewer interceptors along brook valleys to identify areas of breakage, erosion, or other physical conditions that may impair the integrity of the pipeline. Continued to video inspect sewer system in 2017 as deficiencies became apparent.	Continue to inspect sewer interceptors for potential impact to resource areas. Perform video inspection of sewers in 2017. Repair as required.
3B	Storm Drain System Map	Engineering Dept/Town Engineer	Completed development of a storm sewer system and outfall map	Outfalls have previously been located by GPS. Data has been loaded into AutoCAD and GIS to produce accurate storm sewer map. During April 2016, engineering department began project to inspect all outfalls in Town under a new reporting system. Mapping was completed in August 2016.	Continue to maintain storm sewer GIS to organize system data and streamline maintenance efforts.  The Town has hired Tighe & Bond to improve the accuracy of our storm water map and condition-rate assets. The anticipated completion date is June 2019.
3C	Non-Stormwater Bylaw	Town Engineer	Bylaw established	Town had previously approved bylaw at Town meeting. Con. Com. reviewed project for compliance with the MA Stormwater Management Standards under the MA Wetlands Protection Act.	
3D	Entrance Permit	Public Works Director	Completed	Discussed options for permitting and including language in deeds making owner responsible for discharges.	Continue to work with Town Attorney and Select Board to determine best course of action.

3E	Develop Illicit Discharge Program	Town Engineer	Completed	DPW has previously approved a bylaw to address illicit discharges and connections. Although no formal outfall inspection efforts took place, several outfalls were inspected as part of ongoing maintenance and service calls from residents.  Consultant is currently performing I&I study.	Conform to approved bylaw as applicable.  Use I&I study to inform capital planning.
3F	Illegal Dumping	Public Works Director	Perform regular patrols/cleanup	DPW performed regular patrols and cleaned up illegal dumped trash.	Continue to perform regular patrols/cleanup.
3G	Assess Outfalls	Engineering	Assess 10% of municipal outfalls per year	Completed comprehensive outfall inspection program under new reporting protocol (August 2016).  Work to address known issues. Evaluate survey results and develop remediation plans.	Continue to address known issues. Evaluate survey results and develop remediation plans.

#### 4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 13 (Reliance on non-municipal partners indicated, if any)	Additional Planned Activities
4A	Stormwater Pollution Prevention Plan for Construction	Public Works Director/Town Engineer	Require pollution prevention plan for construction sites	Town previously approved bylaw at Town meeting. Con. Com. reviews project for compliance with the MA Stormwater Management Standards under the MA Wetlands Protection Act. Plan has been implemented and enforcement is in place.	Continue to work with Building department to control and contain stormwater.

4B	Construction Runoff Bylaw	PB/ Con Com/ DPW	By-law enactment	Town previously approved bylaw at Town meeting. Cons. Com. reviews project for compliance with the MA Stormwater Management Standards under the MA Wetlands Protection Act. Plan has been implemented and enforcement is in place.	Continue to work with Building department to control and contain stormwater.
4C	Plan Review	PB/ Con Com/ DPW/BOH	Enforcement under bylaw	Continued plan review per new by-law. By-law enforcement in place. Reviewed design for numerous site development projects and enforced by-law.	Continue plan reviews and enforcement per new by-laws.
4D	Inspection / Reporting	DPW/PB/ Con Com	Enforcement under bylaw	Continued inspection /reporting under existing regulations. Continue to enforce by-law.	Continue to inspect/report per existing regulations.

**5. Post-Construction Stormwater Management in New Development and Redevelopment**

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 13 (Reliance on non-municipal partners indicated, if any)	Additional Planned Activities
5A	Post Construction Runoff Bylaw	Director DPW	Bylaw Established	Town previously approved bylaw at Town Meeting. Con. Com. reviews project for compliance with the MA Stormwater Management Standards under the MA Wetlands Protection Act.	Continue to review and enforce bylaw.
5B	Construction Site Plan Review	PB/ Con. Com./ DPW	Enforcement under bylaw	Continued plan review per new regulations.	Continue plan review per new regulations. Continue bylaw enforcement.
5C	Stormwater System Maintenance Plan	PB/Con. Com./ DPW	Enforcement under bylaw	Continued inspection / reporting under new regulations.	Continued inspection / reporting under new regulations. Continue bylaw enforcement.

## 6. Pollution Prevention and Good Housekeeping in Municipal Operations

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 13 (Reliance on non-municipal partners indicated, if any)	Additional Planned Activities
6A	Catch Basin Maintenance	Public Works Deputy Director for Highways	Organize program for cleaning and inspecting catch basins. Clean 400 catch basins annually	Approximately 33 catch basins were cleaned and inspected and approximately 120 were replaced. All catch basins within paving & sewer projects were evaluated and repaired/replaced as necessary (as resources allowed). Video inspected suspect drain lines.	Anticipate cleaning approximately 50 more catch basins this summer. Will repair and replace as necessary.
6B	Street Sweeping	Public Works Deputy Director for Highways	Organize program for sweeping streets	Street sweeping is currently underway at the time of this report. Anticipated completion in May 2018.	Continue to street sweep per existing program.
6C	Municipal Maintenance Activity Program	DPW Director	Evaluate and draft additional policies	Reviewed existing policies as need arose.	Continue to review existing policies. Formalize in writing and draft new policies as necessary.
6D	Training of all municipal employees	DPW Director and Deputy Director for Highways	Initiate good housekeeping training	In-house training is performed for new hires or any personnel transferring within DPW. Training provided for lead staff: “Navigating the New Stormwater Permit” Conference, IDDE training by PVPC and Wright Pierce.	Conduct good housekeeping training June 2018 using PVPC training DVD.

## 7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) <<if applicable>>

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 13 (Reliance on non-municipal partners indicated, if any)	Additional Planned Activities
7A	TMDL	Various	Performance of previously identified BMPs.	The BMPs described in the above tasks will also address TMDL issues in the Connecticut River.	The BMPs described in the above tasks will also address TMDL issues in the Connecticut River.

**Connecticut River Stormwater Committee**  
**Annual Report**  
**April 1, 2017 to March 31, 2018**

**The Connecticut River Stormwater Committee**

The Connecticut River Stormwater Committee is an intergovernmental compact of 17 municipalities that is organized to collaborate in meeting NPDES MS4 permit requirements for stormwater education and outreach (Minimum Control Measure #1). Facilitated and staffed by the Pioneer Valley Planning Commission, the Committee also works together to meet other permit compliance activities where appropriate and needed. Member communities are shown in Table 1 below.

**Table 1: Connecticut River Stormwater Committee Member Communities**

<b>Member Community</b>	<b>Committee Representatives and Departments</b>
Agawam	Tracey DeMaio, Department of Public Works
Belchertown	Steve Williams, Department of Public Works
Chicopee	Quinn Lonczak, Department of Public Works
East Longmeadow	Bruce Fenney, Department of Public Works
Easthampton	Dan Murphy, Department of Public Works
Granby	Dave Derosiers, Highway Department
Hadley	Marlo Warner, Department of Public Works
Holyoke	Michael McManus, Department of Public Works
Longmeadow	Mario Mazza and Peter Vancini, Department of Public Works
Ludlow	Jim Goodreau, Department of Public Works
Northampton	Doug McDonald, Department of Public Works
Southwick	Randall Brown, Department of Public Works
South Hadley	Melissa LaBonte, Department of Public Works
Springfield	Kevin Chaffee, Planning/Conservation
West Springfield	Jim Czach and Connor Knightly, Department of Public Works
Westfield	Casey Berube and Joe Kietner, Department of Public Works
Wilbraham	Tonya Basch, Department of Public Works

\* Member that joined Committee this year.

**Education and Outreach over the Past Year**

The Connecticut River Stormwater Committee has moved forward several education and outreach activities under the 2003 permit. At the same time, the delayed start of the 2016 MS4 permit has provided time for the Stormwater Committee to lay further groundwork for its education and outreach program over the longer term. This includes developing a draft matrix of education and outreach activities for the next permit term, participating in the state-wide stormwater coalition education and outreach subcommittee to procure a consultant to develop a state-wide education and outreach campaign, and most recently, meeting with students from Worcester Polytechnic Institute

who are working with MassDEP to prepare a repository of stormwater education and outreach materials for use by MS4 permittees.

The narrative below summarizes the work of the Connecticut River Stormwater Committee during the 2017-2018 reporting year, which includes the following:

1. Produced 30-second radio spot as part of continued Soak up the Rain stormwater education campaign that will run on 3 stations throughout the Pioneer Valley in April 2018
2. Designed website for Connecticut River Stormwater Committee and began developing content
3. Worked with state-wide coalition on procuring services to help with design and materials for state-wide education program
4. Continued to lead urban tree planting project in Chicopee, Holyoke, and Springfield
5. Continued to lead project in Holyoke to reduce urban flows into Day Brook

In addition to these public education and outreach activities described in fuller detail below, members of the Stormwater Committee have joined PVPC in other MS4 permit related activities, including:

- Conducting a series of two training workshops for municipal staff that were videotaped and organized into specific modules that can now be used for subsequent annual training required by the new permit. Designed in consultation with consultant Wright Pierce, topics covered elements under the "good housekeeping" and the "illicit discharge detection and elimination" categories of the stormwater permit. Funding for these workshops was provided in part by the Massachusetts Department of Administration and Finance's Efficiency and Regionalization grant. The videos have already been shared with other MS4s in the state and are being loaded to YouTube for easy access by any other MS4 in Massachusetts who wishes to use them. Going forward, Connecticut River Stormwater Committee members have decided to use the video training modules as part of annual events where trainees from the region come together, watch the video modules, and then engage in discussion and problem solving. This will provide for more meaningful engagement than trainees watching videos on their own. Such an annual training event might also include field visits to learn about specific and/or sampling techniques. PVPC will plan to host these events as part of its Stormwater Committee work.
- Reviewing and updating municipal land use code in nine communities to meet new construction, and development and redevelopment standards within the 2016 federal stormwater permit. Funding for the code review was provided by the Massachusetts Department of Administration and Finance's Efficiency and Regionalization grant. A 10<sup>th</sup> stormwater committee member community elected to undertake code review through a fee for service arrangement with PVPC. This work included review and update of provisions for control of illicit discharges, erosion and sediment control, stormwater management permitting, subdivision regulations, and zoning. A detailed checklist with recommended code language was developed as part of this work to facilitate review in additional communities going forward.

As there are still many issues to be worked out relative to code, including updating of the Massachusetts Stormwater Standards so that they better relate to the new MS4 permit requirements, and development of model language and procedures to help with off-site mitigation for redevelopment projects, PVPC staff has recommended that communities not immediately adopt code changes developed under this project. PVPC has noted that these

updates are not required to be in place until Year 2 of the permit effective date. PVPC staff is currently working with other members of the state-wide coalition of stormwater coalitions to fold these changes into a state-wide resource package on code updates, including a model bylaw, and the guidance being developed on off-site mitigation.

- Procuring services regionally of Wright Pierce to provide integrated stormwater system mapping and data collection to meet requirements of the new 2016 permit. Seven stormwater committee members—Agawam, Belchertown, Granby, Ludlow, Northampton, South Hadley, and Southwick – are participating in this work. Research conducted in concert with communities prior to this procurement showed significant cost savings in collaborating on this work rather than going it alone.

To date, project work has entailed development of the mapping interface with stormwater infrastructure, and development of forms to ensure that all data required in the new permit (outfall screening and sampling, manhole inspections, catch basin cleaning, etc.) can be captured in the field during inspections and then uploaded to reference with geographically specific locations within Arc GIS mapping of the storm system for analysis in defining priority catchments and annual reporting to EPA.

## 1. Aired Soak up the Rain radio spot

The Stormwater Committee produced a 30-second radio spot to air, starting April 2. The Soak up the Rain spot is narrated by a local radio personality and calls on people to take notice and take action. It will air 183 times in a three-week period on three different radio stations in the region, covering all Stormwater Committee member communities. It will be aired at peak and non-peak listening hours to reach a variety of different audiences. The 30-second spot reads as follows:

When stormwater flows across yards, driveways or parking lots, it picks up leaked car oil, lawn chemicals, litter and animal waste.

This contaminated water ends up in the Connecticut River.

Help keep our river clean. Don't let rain run – soak it up.

Redirect downspouts to your lawn. Use a rain barrel. Create a rain garden or install porous pavement.

Brought to you by the Connecticut River Stormwater Committee, a coalition of 17 Pioneer Valley communities.

Learn more at [soakuptherain.pvpc.org](http://soakuptherain.pvpc.org)



*Radio stations in the region that will air the Soak up the Rain radio spot.*

It is hoped that interested listeners will follow the reference to the soak up the rain web page and the Committee will be able to make some determination of the spot's effectiveness by counting the increase in clicks on the web site. Results will provide some direction to the Committee as it continues to develop its 5-year education and outreach program under the new 2016 permit.

Production of the radio spot follows on an unsuccessful 4-month effort toward adapting a stormwater video from West Michigan Environmental Action Council. Members had researched stormwater messaging videos, selected the West Michigan video, engaged a local video producer for the adaptation, and worked out the terms of an agreement with the West Michigan group. The problem arose, when the local video producer learned that the Michigan group had no high resolution video file from which to work. Given that the Connecticut River Stormwater Committee members had talked about more than website use of the adapted video, a low resolution file was not adequate. It was surprising that without a high resolution file of the video, the West Michigan group would take the conversation so far. Nonetheless, this was an important lesson in learning what the right first question is to ask when talking about video adaptation.

## **2. Designed website for Connecticut River Stormwater Committee**

While each stormwater committee member continues to maintain and update stormwater information on each of their municipal websites, there is a need to promote stormwater information on a regional Connecticut River website. The regional stormwater website will provide one website reference for forthcoming publications and media outreach work. Links can be made from the local municipal websites to the regional website and vice versa.

Design of the Connecticut River stormwater website includes “portals” for exploring the site in two ways: as an audience enumerated in the MS4 permit (resident, business, developer, industry) and as someone interested in learning more about a specific stormwater best practice important to water quality issues in the region: lawn and yard care, pet waste management, car care, soak up the rain, turf management, and septic system care. Committee members have been talking too about the importance of finding ways to include materials for educators (stormwater curriculum lessons), and agriculture (perhaps connecting to resources through the Extension Program at the University of Massachusetts, Amherst, and any nonpoint source nitrogen reduction initiatives that may emerge).

Content for the website is currently under development by PVPC. It is expected that additional content will be available through the statewide coalition of stormwater coalitions, which has just hired Water Words that Work to outline a state-wide education and outreach Think Blue campaign with development of some associated materials.

One important facet of this regional Connecticut River stormwater website is building the connection between enjoying and appreciating the resource and connecting to action. As such, PVPC will be working with its current Connecticut River US website, maintained in partnership with the Connecticut River Conservancy, to draw stronger lines between getting out on the resource and taking action for stormwater. The Connecticut River US website has information on paddling, trails, and water quality.



**THINK A Clean Connecticut River BLUE: Starts with You!**

**DO THE RIGHT THING**

Lawn and Yard Care



Pet Waste Management



Car Care



Soak Up The Rain



Turf Management



Septic System Care



**GET OUT ON THE RIVER!** → [ConnecticutRiver.us](http://ConnecticutRiver.us)

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[What We Do](#)

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[Best Practices](#)

*Design of Connecticut River Stormwater website that is in development.*

### **3. Collaborated with state-wide stormwater coalition of coalitions**

On behalf of Connecticut River Stormwater Committee members, PVPC has been active on the larger coalition of state-wide stormwater coalitions committee and the group's education and outreach subcommittee. The group was successful in applying for and receiving a \$200,000 MS4 assistance grant to lay the groundwork for a state-wide stormwater outreach campaign. The campaign will help to define messaging, lay out a plan of work to meet education and outreach permit requirements, and develop a selection of materials for use by coalitions and municipalities. Water Words that Work was just selected as the project consultant at the end of March. PVPC staff is excited by the prospect of working with such a talented consultant that has developed state-wide stormwater campaigns in several states already. At the same time, staff is hopeful that the 5-year education and outreach framework it has been developing with Connecticut River Stormwater Committee members can be further refined with consultant input.

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The following two projects, while specific to certain municipalities, are expanding awareness regionally about stormwater. They also serve to build capacity and know-how in planning, design, and construction of better stormwater management practices. Each project has its own outreach and education component.

### **4. Continue to lead urban tree planting project in Chicopee, Holyoke, and Springfield**

PVPC continues to lead an effort to promote urban tree planting in the region's 3 major cities in partnership with the US Forest Service, Massachusetts Executive Office of Energy and Environmental Affairs, the Valley Opportunity Council, Nuestras Raices, ReGreen Springfield, Conway School of Design, Mass DCR, and the Cities of Chicopee, Holyoke, Springfield. Aimed at reducing stormwater flows to combined sewer areas and promoting greater climate resilience, the project involves an integrated community outreach process involving multiple neighborhood workshops and workshops for public works officials. Once completed, the project will provide the following major deliverables:

- installation of 2,200 trees on local streets and yards
- final engineering design for a green streets in each municipality
- model stormwater tree rebate ordinance

The project is made possible thanks to a \$239,000 grant award to PVPC from the US Forest Service under the State and Private Forestry FY15 Northeastern Area Landscape Scale Restoration Program.

### **5. Continue to lead project in Holyoke to reduce urban flows into Day Brook**

Through an EPA Urban Small Waters Grant, PVPC is developing a green infrastructure plan for Day Brook in Holyoke, which flows from west to east, remaining above-ground from Anniversary Hill Park and Community Field before being conveyed underground beneath the City and routed through the Waste Water Treatment Plant.

In this past year, the project completed work to increase awareness about this "secret stream" running unseen through the urban landscape. Conducted largely by project partner Enchanted

Circle Theater, awareness work this year followed a six-week lesson series that engaged third and fifth graders in learning about stormwater and producing artwork for use in a mural and “storywalk” about Day Brook.

The mural, which relates the unseen journey of Day Brook in Holyoke, was unveiled at a ribbon cutting event at Community Field in June. The event for the mural included stormwater learning stations, including rain gardens in a cup activities. The storywalk unveiling occurred at the Sullivan School in September as part of Arts in Education Week. Students participated in the unveiling and then spent time being stormwater detectives on the school grounds, working in teams to check off items on a treasure hunt list. The story walk, conceived as movable artwork that tells the story of Day Brook in a series of six panels, has been installed for periods of time at the Sullivan School, Community Field, City Hall, and the Public Library.



*Students enjoyed the thrill of unveiling the Day Brook story walk at the Sullivan School in Holyoke. The story walk incorporated student artwork and words telling the history of Day Brook.*



*Local media provided good coverage of the story walk unveiling.*



*As part of the story walk unveiling event, a student records finding a storm drain in the stormwater detectives treasure hunt on school property in photo above. In photo at right, Sullivan School Principal John Breish talks with students about a pipe draining storm flow from the school's roof.*

