

4/27/12

PS
Duplicate

Municipality/Organization: Southbridge, Massachusetts

EPA NPDES Permit Number: MAR041161

MaDEP Transmittal Number: X251313

**Annual Report Number
& Reporting Period:** No.9; March 11 to March 12

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Thomas E. Daley, P.E. **Title:** Director

Telephone #: 508-764-5403 **Email:** tdaley@southbridgemass.org

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: 

Printed Name: Thomas Daley

Title: Town Manager

Date: April 25, 2011

Part II. Self-Assessment

As stated in last year's report, the Town of Southbridge continues to have staff changes. This past year our Chief of Engineering Services retired leaving the position vacant for several months. Regardless improvements have continued to be made. With the tornado event that hit a portion of Town we found a whole new need regarding protecting our waterways resulting from deforestation. We took action, received grants and worked with many volunteers in order to remove many fallen trees from waterways and plant new trees in affected areas.

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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 9
1A Revised	Public Outreach <i>Stormwater Education for Students</i>	Public Works Dept.	Reach 5 th grade	No presentation held during this reporting term, however, the Town has annually, consistently met this requirement through the permit life.	Presentation made on water quality to selected grade 5 students.
1B Revised	Public Outreach	Water Dept.	Reach all water accounts (4,000 households)	Mailed annual Water Quality Report to residents which details drinking water quality for the Town.	Continue Annual Water Quality Report mailing
1a.	Seven Additional	items			
1C Revised	Stormwater Press Release	DPW / Board of Health	Annual stormwater newspaper article	Advertized the four Household Hazardous Waste (HHW) disposal events in local newspaper and at municipal bldgs. Events are held in June, Sept., Dec. and March. Posted street sweeping on web-site.	Advertize the four Household Hazardous Waste (HHW) disposal events in local newspaper and at municipal bldgs. Events are held in June, Sept., Dec. and March. Post street sweeping on web-site.
1D Revised	Distribute educational flyers and advertize Household Hazardous Waste Event	Board of Health	Distribution of Flyers	Household Hazardous Waste flyer advertisements were made available at municipal buildings. Mailing of flyers to residents in water bills is no longer viable due to change in billing process and inability to send out notices with bills.	Advertize the four Household Hazardous Waste (HHW) disposal events in local newspaper and at municipal bldgs.
1E Revised	Develop Stormwater Section of Town Website	DPW and Town Website Manager	Measure number of hits annually.	Posted and updated weekly the street sweeping schedule on web-site and local cable network.	Post and update weekly the street sweeping schedule on web-site and local cable network.

1F	Broadcast Town Council Meetings to update progress of the Phase II Program	DPW and Channel 12	Broadcast of Town Council meetings	Televised Town Council meetings on local cable channel in particular stormwater issues brought up by tornado deforestation.	Continue to broadcast any stormwater updates at the Council meeting on local cable.
Revised					

1G	Assist with "Replanting Our Roots" initiative in tornado damaged areas.	DPW, Mass. Dept. of Cons. and Rec. and volunteers	Planting of 77 trees in tornado deforested area.	Volunteers and govt. agencies worked together to plant trees in areas prone to flooding and erosion due to the deforestation by the 6/1/11 tornado. See attachments "A".	

1H	Obtained a \$5,000 grant and removed tornado damaged trees from flood prone areas.	DPW	Removal of many trees from flood prone areas.	Worked with private property owners to allow the DPW's contractor to remove damaged trees from Cady Brook and a drainage ditch.	

1I	Created and distributed Stormwater pamphlets. See attachments "B"	DPW	Posted in municipal offices and handed out at 6/23/11 Meet and Greet.	Created handouts, posted them and handed them out.	Created handouts, posted them and handed them out.

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 9
2A	Monitor Streams	Conservation Commission	Monitor 1 stream annually	A group of volunteers working with “The Last Green Valley” tests 8 locations in the Town including the following water bodies; Quinebaug River, Dean Brook, Cohassee Brook, Lebanon Brook, and McKinstry Brook. Waters are tested for dissolved oxygen, turbidity, conductivity, ph and temperature. Color, odor, plants, animals, and trash are recorded. Final results are organized onto a spreadsheet at the end of the year.	Continue stream monitoring program. http://www.tlgv.org/preserve/water-quality-monitoring.html
Revised					
2a.	4 Additional	Items	Weekly neighborhood walkthroughs during fair weather months	Performed weekly neighborhood walks during Spring through Fall. Dept. Heads targeted different neighborhoods on Friday mornings. DPW inspected for stormwater issues such as stormwater structures, evidence of flooding, trash, pet waste, etc. Walks are publicized in advance and neighborhood participation was encouraged.	Continue to perform neighborhood walks and target stormwater impacts.
2B	Neighborhood Cleanup	DPW, Building, Fire, Police, Recycling Coordinator, church groups, Neighborhood groups			
Revised					

2C Revised	Community Meet and Greet	DPW	DPW stormwater information	A community meet and greet was held on 6/23/11 where residents could meet Dept. heads and discuss Town topics. Water quality information was made available.	Continue to attend the annual meet and greet and offer water quality information to residents.
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2D	Assist with "Replanting Our Roots" initiative in tornado damaged areas.	DPW, Mass. Dept. of Cons. and Rec. and volunteers	Planting of 77 trees in tornado deforested area.	Volunteers and govt. agencies worked together to plant trees in areas prone to flooding and erosion due to the deforestation by the 6/1/11 tornado. See attachments "A".	
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2E	Assist with trash removal from annual Earth Day Cleanup.	DPW	Clean up debris and advertise in newspaper.	Assist volunteers by picking up the trash from the annual Earth Day Cleanup event. See attachment "C".	Assist volunteers by picking up the trash from the annual Earth Day Cleanup event.
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3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 9
3A Revised	Map Storm Sewer System	DPW	Map Outfalls	100% of all outfalls and stormwater system has been mapped. Map is available on the Town's web-site.	Maintain map.
3B	Amend Drainage ByLaw	Town Council	Modify Existing Bylaw	No activity.	Review and modify the existing "draft" bylaw and implement.

3a.	3 Additional	Items				
3D	Household Hazardous Waste Collection Events	Board of health, Recycling Coordinator, Casella Waste Systems	Annual Household Hazardous Waste Day	Southbridge hosts four Household Hazardous Waste (HHW) disposal events. They are held in June, Sept., Dec. and March. Flyers were made available at municipal buildings. Volunteers counted and tracked cars. Approximately 190 cars are present at each event.	Continue to advertise and host HHW collection events four times per year.	
Revised						
3E	Establish Illicit Discharge Hotline	BOH / DPW	Number of phone calls	Calls and complaints were handled by the BOH and DPW. Residents can fill out a complaint form to be recorded by Town personnel. Stormwater complaints are forwarded to the DPW. The DPW documents the complaints and follows up on corrective actions. BOH enforces action as necessary.	DPW will continue to handle illicit discharge related phone calls. The DPW phone number will continue to be advertised through existing media. Track calls and record actions taken annually.	
Revised						
3F	A sewer lateral off of Elm St. was cracked and overflowing into a catchbasin causing pollution in the downstream Cohasset Brook. See attachment "D".	BOH	The pipe repaired and the overflow stopped.	The DPW hired a contractor to repair the sewer break and charged the work back to the homeowners who failed to act.		
Revised						

4. Construction Site Storm water Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 9
4A Revised	Control Erosion & Sedimentation	Town Council	Enact New Bylaw	Continued NOI erosion control enforcement as needed.	Review draft bylaw, revise as necessary and move it forward to Town Council.
4a.	3 Additional	Items			
4B Revised	Establish a procedure for the receipt of information submitted by the public.	DPW	Number of phone calls	Calls and complaints were handled by the DPW. Residents can fill out a complaint form to be recorded by Town admin. personnel. Stormwater complaints are forwarded to the DPW. The DPW documents the complaints and follows up on corrective actions.	DPW will continue to handle stormwater related phone calls. The DPW phone number will continue to be advertised through existing media. Track calls and record actions taken annually.
4C Revised	Construction Site Runoff Site Plan	Conservation Commission	Erosion control site plan	Town regulations required erosion and sediment control plans for all projects requiring a Notice of Intent (NOI) to be submitted to the Conservation Commission for review prior to construction. The Conservation Commission also reviewed site calculations to check pre- and post-development stormwater runoff for compliance with the Massachusetts Stormwater Management Policy.	Continue to require Conservation Commission review of proposed developments.
4D Revised	Conduct Inspections for erosion Control	DPW	Inspections performed and documented	The DPW performed inspections of all construction sites to ensure erosion controls were working properly. Subdivision sites were inspected as a minimum once per month.	Continue the current inspection program. Continue to document major erosion and sediment control issues which require enforcement.
Revised					

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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 9
5A	Regulate Post Construction runoff	Town Council	Amend Drainage Control Bylaw	Continued construction site erosion control enforcement as needed.	Review draft bylaw, revise as necessary and move it forward to Town Council.
Revised					
5a.	2 Additional	Items			
5B	Post-Construction Site Inspection	DPW	Inspections performed	Before accepting maintenance responsibility for new construction sites, the DPW performs a full inspection of public drainage systems. Due to the economy, no new systems were inspected this year.	Continue current inspection program. Continue to document the acceptance of new public drainage systems and incorporate the system into the Town drainage system map.
Revised					
5C	As-Built Plans	DPW	Plans documenting construction	DPW required that as-built plans be submitted upon completion of construction.	Continue to require and receive as-built plans for any project.
Revised					
Revised					
Revised					
Revised					
Revised					

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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 9
6A Revised	Street Sweeping	DPW	Sweep Streets Annually	All streets swept annually between April and June. 1,083 tons were collected last year. Collected material was disposed of in the Southbridge landfill. Sweeping schedules were updated weekly and posted on the website and on the local access channel. Priority areas are identified and repeated as needed though out the year.	Continue to sweep all streets annually and post on website and local cable access.
6B Revised	Catch Basin Cleaning	DPW	Clean critical basins annually	The DPW cleaned all catchbasins in the Town. Collected material disposed of in landfill.	Continue annual catchbasin cleaning program. Critical basins cleaned first and more than once as needed.
6a.	6 Additional	Items			
6C Revised	Storm Drain System inspection and Maintenance	DPW	Inspect and maintain storm drain system at least annually	Known problem outfalls were inspected as outlined in BMP 3C. Catchbasins were inspected for structural deficiencies when cleaned by DPW staff. Approximately 60 structures were rebuilt last year.	Continue outfall and catchbasin inspections and maintenance. Track work required and completed.
6D Revised	Ensure Covered Storage for Winter Salt	DPW	All salt is covered.	All salt for winter storm operations was covered in new salt shed at the new DPW building.	Continue to cover salt materials and track winter salting quantities.
6E Revised	Conduct Town Employee Stormwater Training	DPW	Develop pollution prevention workshop for municipal employees	No real formal training performed specifically on the importance of stormwater maintenance.	Train DPW employees.

6F	Perform Neighborhood Roadway Trash Cleanups	DPW, Town Manager, Police, BOH	Amount of trash collected after weekly neighborhood walkthroughs	Southbridge roads were cleaned of trash and debris following the weekly neighborhood walkthroughs (see BMP 2B). Residents can contact the BOH to set up pickup times for bulk items at their homes. The items are disposed of at the landfill. Haz-Waste specialists are used as needed. Due to some dropped medical waste last year, training was provided to staff on safe ways of handling it.	Continue neighborhood roadway cleanup and Earth Day cleanup.
Revised					

6G	Evaluate municipal facilities	DPW, Police, Fire	All municipal facilities evaluated and BMP's implemented within 3 years.	DPW and Police properly manage vehicle wash water. DPW has and utilizes a new wash bay facility. The Police washes its vehicles at the Red Carpet carwash on East Main St. Wash water is properly collected and disposed of.	Continue vehicle washing program for the DPW and Police Dept.'s. evaluate all remaining municipal facilities fro stormwater pollution prevention.
Revised					

6H	Town purchased a new street sweeper.	DPW	Maintain annual sweeping.	The new sweeper reaffirms the Town's commitment to street and sidewalk sweeping. The new technology also does a more efficient job at cleaning the streets.	

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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 9
	<i>Not applicable</i>				
Revised					
Revised					
7a.	1 Additional	Items			
7A	Develop a Water Quality Strategy for 303d waters	DPW, Conservation Commission	Summary of pollution prevention efforts, future needs, and responsible parties.	The Town continued with implementation of the existing SWMP to address impaired waters.	Review impaired waterlist and TMDLs as they are developed, along with information collected as part of the Ph II program and upcoming PhII permit requirements.
Revised					
Revised					
Revised					
Revised					

7b. WLA Assessment

The proposed TMDL schedule for FY 2010-11 outlines several waterbodies in Southbridge that are classified as category , mwaning water bodies in need of a TMDL:

Cady Brook (4129125)	MAA41-06	Charlton City WWTP, Charlton to confluence with Quinebaug River, Southbridge.	5.3 miles	-Nutrient/Eutrophication Biological Indicators -(Love flow alterations*)
Cohasse Brook	MAA41-12	From the outlet of Cohasse Brook Reservoir, Southbridge, through Wells Pond (formerly pond segment MA41053) to the confluence with the Quinebaug River, Southbridge	2.7 miles	-Aquatic Macroinvertebrate Bioassessments -Sedimentation/Siltation -Escherichia coli
Hatchet Brook	MAA41-14	From the outlet of No. 3 Reservoir, Southbridge, to the confluence with the Quinebaug River, Southbridge	1.3 miles	-Escherichia coli
McKinstry Brook	MAA41-13	Headwaters, east of Brookfield Road, Charlton (excluding intermittent portion) to the confluence with the Quinebaug River, Southbridge	7.3 miles	-Escherichia coli -(Debris/Floatables/Trash*)
Morse Pond (41033)	MAA41033	Southbridge	41.4 acres	-Oxygen, Dissolved -Aquatic Plants (Macrophytes)
Quinebaug River (4128875)	MAA41-02	Sturbridge WWTP, Sturbridge to confluence with Cady Brook, Southbridge	6.6 miles	-Excess Algal Growth -Turbidity -(Debris/Floatables/Trash*)
Quinebaug River (4128875)	MAA41-03	Southbridge WWTP, Southbridge to West Dudley Impoundment, Dudley.	2.2 miles	-Other (unspecified nutrients) -Oxygen, Dissolved -(Physical substrate habitat alterations*) -Fecal Coliform -Taste and odor -(Debris/Floatables/Trash*)
Quinebaug River (4128875)	MAA41-09	Confluence with Cady Brook to Southbridge WWTP in Southbridge.	1.3 miles	-Aquatic Macroinvertebrate Bioassessments -Ambient Bioassays - Chronic Aquatic Toxicity -Turbidity -(Debris/Floatables/Trash*)

There are currently no TMDLs completed for waters in Southbridge. Water quality concerns associated with 303d waters are addressed through the implementation of BMPs under the six minimum measures for Phase II. The approach for addressing impaired waters will be updated based on the new permit.

Part IV. Summary of Information Collected and Analyzed

The Town needs to focus on the following items in the next permit year; public outreach to school kids, utilize the stormwater flyer, finalize and submit a stormwater bylaw to the Council for approval, provide stormwater training to DPW employees.

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Stormwater management position created/staffed	(y/n)	N
Annual program budget/expenditures	(\$)	0

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %)	Unknown
Stormwater management committee established	(y/n)	No
Stream teams established or supported	(# or y/n)	One
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	Y
Household Hazardous Waste Collection Days	(Oil, tires, Batteries and Paint)	
▪ days sponsored	(#)	4
▪ community participation	(%)	760 cars
▪ material collected	(tons or gal)	
School curricula implemented (Flyers mailed to all homes)	(y/n)	n

Legal/Regulatory

	In Place Prior to Phase II	Under Review	Drafted	Adopted
Regulatory Mechanism Status (indicate with "X")				
▪ Illicit Discharge Detection & Elimination		X		
▪ Erosion & Sediment Control	X			
▪ Post-Development Stormwater Management		X		
Accompanying Regulation Status (indicate with "X")				

▪ Illicit Discharge Detection & Elimination		X	
▪ Erosion & Sediment Control	X		
▪ Post-Development Stormwater Management		X	

Mapping and Illicit Discharges

Outfall mapping complete		(%)	100%
Estimated or actual number of outfalls		(#)	206
System-Wide mapping complete		(%)	100%
Mapping method(s)			
▪ Paper/Mylar		(%)	
▪ CADD		(%)	
▪ GIS		(%)	100%
Outfalls inspected/screened		(# or %)	0
Illicit discharges identified		(#)	1
Illicit connections removed		(#)	1
		(est. gpd)	
% of population on sewer		(%)	85%
% of population on septic systems		(%)	15%

Construction

Number of construction starts (>1-acre)	(#)	0
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	100%
Site inspections completed	(# or %)	100%
Tickets/Stop work orders issued	(# or %)	6
Fines collected	(# and \$)	0
Complaints/concerns received from public	(#)	1

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	100%
Site inspections completed	(# or %)	0
Estimated volume of stormwater recharged	(gpy)	Unknown

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	1
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	>1
Total number of structures cleaned	(#)	2379
Storm drain cleaned	(LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	700 Tons
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		Landfill
Cost of screenings disposal	(\$)	0

Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	1
Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	>1
Qty. of sand/debris collected by sweeping	(lbs. or tons)	1083 tons
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	Landfill
Cost of sweepings disposal	(\$)	0
Vacuum street sweepers purchased/leased	(#)	0
Vacuum street sweepers specified in contracts	(y/n)	0

Reduction in application on public land of: ("N/A" = never used; "100%" = elimination)

■ Fertilizers		(lbs. or %)	No reduction
■ Herbicides (Roundup Pro)		(lbs. or %)	No reduction
■ Pesticides		(lbs. or %)	No reduction

Anti-/De-Icing products and ratios		% NaCl	50%
		% CaCl ₂	0
		% MgCl ₂	0
		% CMA	0
		% Kac	0
		% KCl	0
		% Sand	50%
Pre-wetting techniques utilized		(y/n)	N
Manual control spreaders used		(y/n)	Y, not many
Automatic or Zero-velocity spreaders used		(y/n)	Y, mostly auto
Estimated net reduction in typical year salt application		(lbs. or %)	0%
Salt pile(s) covered in storage shed(s)		(y/n)	100%
Storage shed(s) in design or under construction		(y/n)	Complete

ks, healthy students



Amanda Collins photos

Supermarket personnel coordinator Shawn Generella
d out fruit to kids at Charlton Elementary School on

's not that people
t know this," said
lton Elementary
ol nurse Teddy
ards, who explained
most students and
parents have a pret-
od notion of what a
hy snack is and its

benefits. He said the issue
is more often that people
lean toward pre-made
processed snacks, simply
because they feel prepar-
ing healthier options is
too time consuming.

"The point is to show

Please Read CHALLENGE, page A14

'Tree Parties' slated for this weekend

BY AMANDA COLLINS
STONEBRIDGE PRESS STAFF WRITER

Each April, locals get
together to do a little out-
door spring-cleaning in the
name of Earth Month.

This year there's a little
more to do, said Last Green
Valley Inc. Deputy Executive
Director Lois Bruinooge.

"The Last Green Valley
towns of Southbridge,
Charlton, Sturbridge, and
Brimfield were made a lot
less green by the June 1 tor-
nado," she said.

It's especially dishearten-
ing because, as Bruinooge
said, these towns are part of
some of the last predomi-
nantly undeveloped green
space in the eastern stretch
between Washington D.C.
and Boston.

"People came out en
masse after the storm to
help. Many of the initial
needs were covered by insur-
ance and federal aid. When
survivors were asked what
they needed, they were ini-

tially so overwhelmed they
could not think of anything.
As things settled down, it
became clear what these
people would need in the
long term. They need trees.
Not covered by insurance
the loss of trees will be a
constant reminder of the
havoc that came to Central
Mass on June 1, 2011," reads
a note to public on
Operation Tree Party's web-
site. The organization was
born out of the need for
trees, and raised funds to
purchase trees to repopulate
the area. Their efforts com-
bined with \$10,000 grants the
affected towns received to
purchase new trees mean
that the plants are available,
now its just a matter of get-
ting them in the ground.

"We're having a tree party
and you're invited," said
Bruinooge.

Volunteers are needed to
help with the "Replanting

Please Read TLGV, page A12

"A-1"

Last Green Valley events slated for Earth

TLGV
continued from page A1

our "Roots" effort in these communities, an endeavor sponsored by Operation Tree Party, the Mass. Dept. of Conservation and Recreation, and the towns of Brimfield, Charlton, and Southbridge.

"Hundreds of six-to-eight foot bare-root trees will be planted amongst these towns," said Bruinooge.

"They will be planted in the front yards of our tornado victims, giving these areas a jump start at being green again."

Volunteers who would like to participate in the Sturbridge re-planting effort should meet Thursday, April 19 or Sunday, April 22 at 8:30 a.m. in the rear parking lot of the public safety complex. On Saturday, April 21 a reforestation and stream bank stabilization effort in

Sturbridge will include planting 600 tree saplings and spreading 100 cubic yards of wood chips in the 500 acres of land river side trees destroyed by the tornado.

Southbridge and Charlton's tree planting parties will take place Saturday, April 21. Volunteers will be working mostly along Route 169 in Southbridge and in the Denfield Road area of Charlton, and should meet

at 8:30 a.m. at the Kennedy Donovan Center on Worcester Road in Southbridge. Brimfield's tree planting party will happen Saturday, April 28. Volunteers should meet on the town common at 8:30 a.m.

Several trail cleanup projects are also planned in these towns on Saturday, April 21. This effort in Sturbridge will include installing trail locator signs at Heins Farm on

Leadmine Road. These posts, which were taken down by the storm, are marked with numbers that can be used as references in case of emergencies. Tractors and rakes are also needed for trail improvement at this property. Volunteers should meet at the Heins Farm parking lot or at the Old Sturbridge Village access trail parking lot at 10 Old Sturbridge Village Road. General cleanup at the

Hartmann & Macey take their show on the

HOT SPOT

continued from page A4

- Boston Turnpike, Shrewsbury, Mass.
- Rob Adams, 6:30 p.m., Rovezzi's Ristorante, Sturbridge, Mass.
 - High Octane, 9 p.m., TJ O'Brien's, Sturbridge, Mass.
 - Chik, 9 p.m., The Dark Horse, Southbridge, Mass.
 - Spare Parts, 9 p.m., The Pump House, Southbridge, Mass.
 - Open Mic Night hosted by B&E featuring Wayne Paige, 8 p.m., PACC, Harris Street, Webster, Mass.
 - Larry and Will Parquette duo, 8 p.m.,

- Bella's Martini Bar, Putnam, Conn.
- Buddy Mondlock, 8 p.m., The Vanilla Bean Café, Pomfret, Conn., \$12.
 - Dalliance (Papa Joe DeMaio and Russ Mineau), 12:30 to 4 p.m., Hank's Dairy Bar, 1006 Norwich Rd., Plainfield, Conn.

SUNDAY, APRIL 22

- Jam w/ Michael Bouchard, 4 p.m., Dunnys Tavern, East Brookfield, Mass.
- Open Mic w/Brett Brumby, 7 p.m., Point Breeze, Webster, Mass.

TUESDAY, APRIL 24

- Open Mic w/Bill McCarthy, The Hotel Belfont, 11 South Main St., Millbury, Mass.
- Open Mic w/Brett Brumby, 7 p.m., Route 56 Roadside Bar, Oxford, Mass.
- Open Mic w/Bill Reid and Julie Vicalvi, 7:30 p.m., Bella's Martini Bar, 83 Main Street, Putnam, Conn.

WEDNESDAY, APRIL 25

- Open Mic w/Bill McCarthy, The Hotel Belfont, 11 South Main St., Millbury, Mass.
- Open Mic w/Brett Brumby, 7 p.m., Route 56 Roadside Bar, Oxford, Mass.
- Open Mic w/Bill Reid and Julie Vicalvi, 7:30 p.m., Bella's Martini Bar, 83 Main Street, Putnam, Conn.

- Biagio's Grille, 257 Park Ave, Worcester, Mass.
- Bluegrass, 8 p.m., The Dark Horse, Southbridge, Mass.
 - Brett Brumby, 7 p.m., Point Breeze, Webster, Mass.
 - Steve Malec, 8 p.m. to 12 a.m., Bella's Bistro, Putnam, Conn.

FRIDAY, APRIL 27

- Ken Macy, 7:30 p.m., Tavern on the Common, Rutland, Mass.
- Mark Shelton, 7 p.m., Mill Church Café, Millbury, Mass.
- Back Tracks, 8 p.m., Wales Irish Pub, Wales, Mass.
- Rob Adams, 7 p.m., The Duck, Sturbridge, Mass.
- Bill McCarthy, 9 p.m., TJ O'Brien's, Sturbridge, Mass.
- Open Boxxy, 9 p.m., The Pump House, Southbridge, Mass.
- Lance Chandelier and special guest, 8 p.m., The Dark Horse, Southbridge, Mass.

- Clinton, Mass.
- Rigagoo, 8 p.m., Brookfield, Mass.
 - Rob Adams, Ristorante, Sturbridge, Mass.
 - Cosby Sweater, Sturbridge, Mass.
 - Bill McCarthy, 9 Southbridge, Mass.
 - Ned Lucas, 9 p Southbridge, Mass.
 - Chelsea Berry & The Vanilla Bean C

If you're a live act turned, know of some want to let us know email me at the address within 10 miles or be submitted to me by week to be printed papers. Keep the mail here in NorthEast mail

Getting In Tune



A-2

HELP KEEP OUR WATERS CLEAN!!!

Water pollution can occur when water runs over land or through the ground, picks up contaminants and deposits them in a stream, river, lake, or even in the groundwater.

This is one of the largest sources of water pollution!!!

It's called "nonpoint source water pollution" or "polluted runoff".

How can you help:

Never put oil or chemicals in a storm drain. 1 quart of oil pollutes 2 million gallons of drinking water!!!

NEVER pour chemicals onto the ground (soils can't purify them).

Dispose of Hazardous Waste properly. Septic systems are not made to tolerate chemicals, so don't flush them down the drain.

Maintain your septic system. Failed systems release bacteria and excessive nutrients into the groundwater and nearby surface waters.

Use natural alternatives to chemical fertilizers and pesticides. Do not apply fertilizers or pesticides prior to or during heavy rains due to the likelihood of runoff. Wastes money also!

Use low-phosphate or phosphate-free detergents and water-based products whenever possible.

Use a Pooper Scooper. The bacteria from animal waste, if left in the road, readily pollutes stormwater.

Place sprinklers so that water goes only on the lawn, instead of watering the street or sidewalk. Water during the cool parts of the day, such as early morning. Saves water too!

"B-1"



HELP KEEP OUR WATERS CLEAN!!!

Water pollution can occur when water runs over land or through the ground, picks up contaminants and deposits them in a stream, river, lake, or even in the groundwater.

This is one of the largest sources of water pollution!!!

It's called "nonpoint source water pollution" or "polluted runoff".

How can you help:

- 1) **Never put oil or chemicals in a storm drain. 1 quart of oil pollutes 2 million gallons of drinking water!!!**
- 2) NEVER pour chemicals onto the ground (soils can't purify them).
- 3) Dispose of Hazardous Waste properly. Septic systems are not made to tolerate chemicals, so don't flush them down the drain.
- 4) Maintain your septic system. Failed systems release bacteria and excessive nutrients into the groundwater and nearby surface waters.
- 5) Use natural alternatives to chemical fertilizers and pesticides. Do not apply fertilizers or pesticides prior to or during heavy rains due to the likelihood of runoff. Wastes money also!
- 6) Use low-phosphate or phosphate-free detergents and water-based products whenever possible.
- 7) Use a Pooper Scooper. The bacteria from animal waste, if left in the road, readily pollutes stormwater.
- 8) Place sprinklers so that water goes only on the lawn, instead of watering the street or sidewalk. Water during the cool parts of the day, such as early morning. Saves water too!
- 9) Slow down runoff by diverting it off of pavement and into grassy, planted areas.
- 10) Gutters and down spouts should drain onto vegetated or gravel seepage areas – not directly onto paved surfaces. Splash blocks can help prevent erosion.

the curriculum standards like that, noting they'd related to. By high school graduation, they should understand how "Organic evolution, a

District of Columbia. The rest of New England

Please Read **CREATIONISM**, page A7

ning fight t cancer

RESIDENT MAKING CE AT PCAN

In September of 2000, Earls' father, Joseph Pirelli, suffered stomach pains, but as a two-term decorated disabled Vietnam veteran, he was no stranger to an occasional pain or intestinal malady. No one thought he was suffering from a life-threatening disease, but in mid-October, Earls' family received devastating news when her father was diagnosed with late stage pancreatic cancer.

In January of 2001, Pirelli lost his brief battle with the disease only a few months from the date of his diagnosis. He spent his last holiday season surrounded by his wife of 30 years, his three children, and many family members and close friends.

"Pancreatic cancer is not as well-known as some of the other cancers, but its survival rate is very low - only 6 percent," Earls said. "It claims lives very quickly, and most times the fam-



On their way back to the Common, a group of Southbridge High teens representing ASPIRA stop to help with cleaning an area that will become part of the rail trail between Central and Foster streets.

CLEANING CREW

Gus Steeves photos

SOUTHBRIDGE
More than 50 people with bright yellow T-shirts and trash bags fanned out across town Saturday morning, April 14, trying to rein in the accumulation of roadside trash as participants in the annual Earth Day cleanup.

For more photos, turn to page A3!

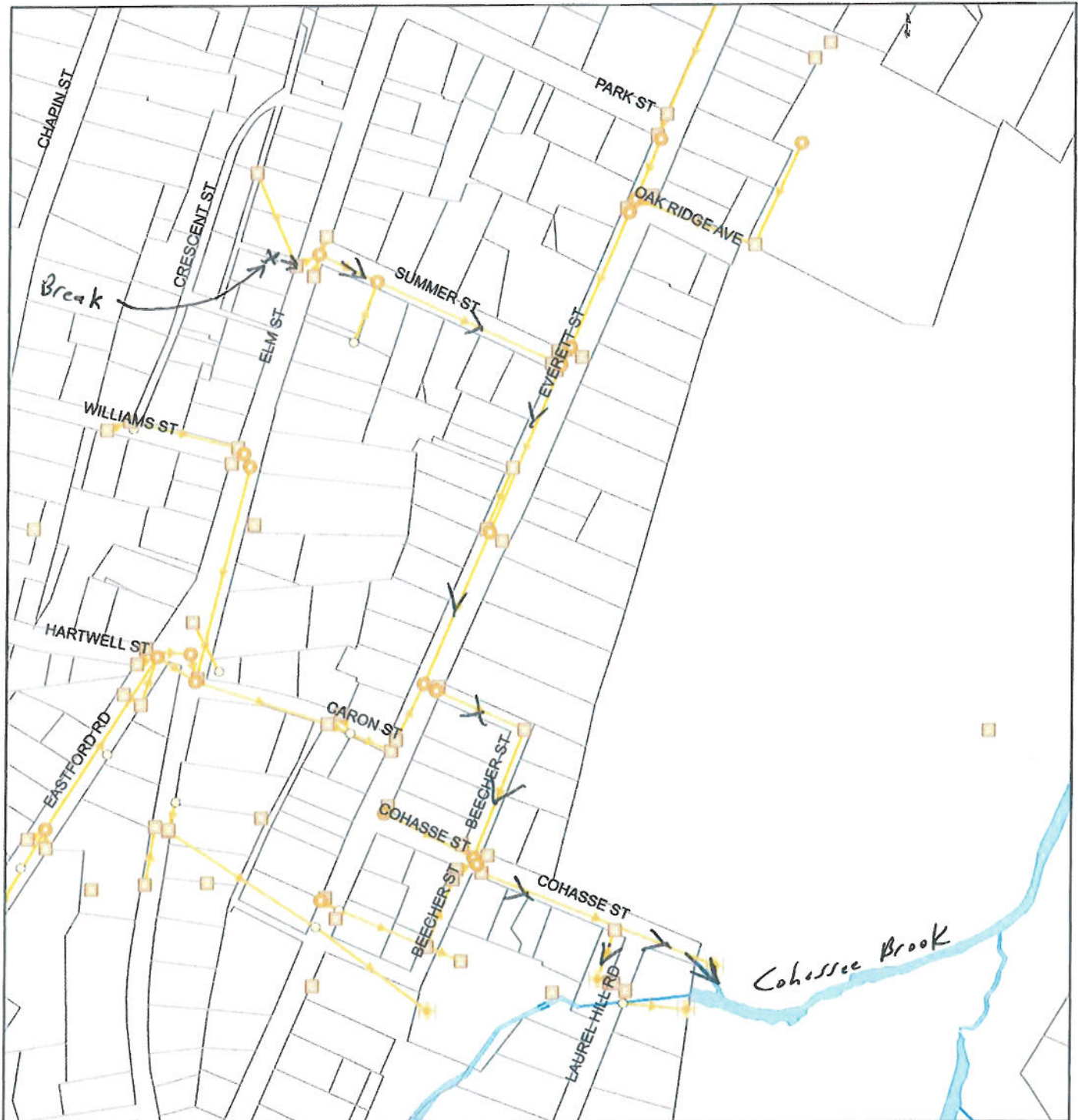


Kerry Highbarger and Vanessa Roney work their way down North Street.

Please Read **EARLS**, page A7

"E"

ELM ST. SEWER LATERAL BREAK



Map for Reference Only
NOT A LEGAL DOCUMENT
Because of different update schedules
current property assessments may not
reflect recent changes to property
boundaries. Check with the Board of
Assessors to confirm boundaries used at
time of assessment.

260 130 0 260 Feet



"B"