

**Town of Agawam
Massachusetts**

**NPDES
Municipal Separated Storm Sewer System
Phase II Stormwater Permit**

2018 Annual Report

**Due:
May 1, 2018**

**By:
Mayor William Sapelli**



Town of Agawam

36 Main Street
Agawam, Massachusetts 01001-1837
413-786-0400

April 23, 2018

Mr. Fred Civian
Massachusetts Department of Environmental Protection
Bureau of Water Resources
One Winter Street - 5th Floor
Boston, MA 02108

RE: Agawam, Massachusetts
NPDES Phase II MS4 Permit
Annual Report 2018

Dear Mr. Civian:

The Town of Agawam is pleased to submit the enclosed Municipal Stormwater Management Program Annual Report for permit year fifteen in order to comply with the NPDES Stormwater MS4 Permit requirements.

The enclosed information includes documentation of activities, a self-assessment of compliance with permit conditions, assessment of BMPs, assessment of measurable goals, assessment of progress towards achieving the measurable goals, summary of results of any information that has been collected and analyzed, discussion of activities for the next reporting cycle, discussion of changes in identified BMPs, and reference to any reliance on other entities for achieving measurable goals.

Please feel free to contact me with any questions or comments regarding this submittal.

Sincerely, -

William Sapelli
Mayor

CC: U.S. Environmental Protection Agency
Chris Golba, Department of Public Works
Michelle Chase, Town Engineer
Tracy DeMaio, Environmental Project Coordinator



Town of Agawam

36 Main Street
Agawam, Massachusetts 01001-1837
413-786-0400

April 23, 2018

Ms. Glenda Velez
U.S. Environmental Protection Agency
OEP06-1
5 Post Office Square, Suite 100
Boston, MA 02109

RE: Agawam, Massachusetts
NPDES Phase II MS4 Permit
Annual Report 2018

Dear Ms. Velez:

The Town of Agawam is pleased to submit the enclosed Municipal Stormwater Management Program Annual Report for permit year fifteen in order to comply with the NPDES Stormwater MS4 Permit requirements.

The enclosed information includes documentation of activities, a self-assessment of compliance with permit conditions, assessment of BMPs, assessment of measurable goals, assessment of progress towards achieving the measurable goals, summary of results of any information that has been collected and analyzed, discussion of activities for the next reporting cycle, discussion of changes in identified BMPs, and reference to any reliance on other entities for achieving measurable goals.

Please feel free to contact me with any questions or comments regarding this submittal.

Sincerely,

William Sapelli
Mayor

CC: Mass DEP, Bureau of Water Resources
Chris Golba, Department of Public Works
Michelle Chase, Town Engineer
Tracy DeMaio, Environmental Project Coordinator



Enter your transmittal number

X280135

Transmittal Number

Your unique Transmittal Number can be accessed online:

<http://www.mass.gov/eea/agencies/massdep/service/approvals/transmittal-form-for-payment.html>

Massachusetts Department of Environmental Protection

Transmittal Form for Permit Application and Payment

1. Please type or print. A separate Transmittal Form must be completed for each permit application.

2. Make your check payable to the Commonwealth of Massachusetts and mail it with a copy of this form to: MassDEP, P.O. Box 4062, Boston, MA 02211.

3. Three copies of this form will be needed.

Copy 1 - the original must accompany your permit application. Copy 2 must accompany your fee payment. Copy 3 should be retained for your records

4. Both fee-paying and exempt applicants must mail a copy of this transmittal form to:

MassDEP
P.O. Box 4062
Boston, MA
02211

* Note:
For BWSC Permits,
enter the LSP.

A. Permit Information

MAR04001

1. Permit Code: 4 to 7 character code from permit instructions

Annual Report

3. Type of Project or Activity

General Permit MS4

2. Name of Permit Category

B. Applicant Information - Firm or Individual

Town of Agawam

1. Name of Firm - Or, if party needing this approval is an individual enter name below:

2. Last Name of Individual

1000 Suffield Street

3. First Name of Individual

4. MI

5. Street Address

Agawam

MA

01001

413-821-0632

6. City/Town

7. State

8. Zip Code

9. Telephone #

10. Ext. #

Christopher Golba

dpw@agawam.ma.us

11. Contact Person

12. e-mail address

C. Facility, Site or Individual Requiring Approval

1. Name of Facility, Site Or Individual

2. Street Address

3. City/Town

4. State

5. Zip Code

6. Telephone #

7. Ext. #

8. DEP Facility Number (if Known)

9. Federal I.D. Number (if Known)

10. BWSC Tracking # (if Known)

D. Application Prepared by (if different from Section B)*

1. Name of Firm Or Individual

2. Address

3. City/Town

4. State

5. Zip Code

6. Telephone #

7. Ext. #

8. Contact Person

9. LSP Number (BWSC Permits only)

E. Permit - Project Coordination

1. Is this project subject to MEPA review? ☐ yes ☒ no
If yes, enter the project's EOE file number - assigned when an Environmental Notification Form is submitted to the MEPA unit:

EOEA File Number

F. Amount Due

DEP Use Only

Permit No:

Rec'd Date:

Reviewer:

Special Provisions:

1. ☒ Fee Exempt (city, town or municipal housing authority)(state agency if fee is \$100 or less).
There are no fee exemptions for BWSC permits, regardless of applicant status.
2. ☐ Hardship Request - payment extensions according to 310 CMR 4.04(3)(c).
3. ☐ Alternative Schedule Project (according to 310 CMR 4.05 and 4.10).
4. ☐ Homeowner (according to 310 CMR 4.02).

Check Number

Dollar Amount

Date

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-

Organization: **Town of Agawam, Massachusetts**

PERMIT YEAR 15: 2018 ANNUAL REPORT

NPDES PERMIT # MAR 041 001

Reporting Period: May 2017– April 2018

MA DEP Transmittal X280135

NPDES Phase II Small MS4 General Permit Annual Report

Part 1. General Information

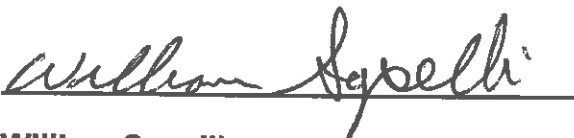
Contact Person: Christopher Golba

Title: Superintendent
Department of Public Works

Telephone Number: 413-821-0623

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: 

Name: William Sapelli

Title: Mayor

Date: April 23, 2018

Part 2. Introduction

The following is the Town of Agawam Massachusetts Annual Report as required by the EPA NPDES Phase II Small MS4 General Permit Regulations. This report is for Year 15 of the existing five year permit cycle. This report includes a self-assessment review of compliance with the permit conditions, an assessment of the appropriateness of the selected BMPs, an assessment of the progress towards achieving the measurable goals, a summary of results of any information that has been collected and analyzed, a discussion of activities for the next reporting cycle, a discussion of any changes in identified BMPs or measurable goals, and reference to any reliance on another entity for achieving any measurable goal.

RELIANCE ON OTHER ENTITIES

INTER-CONNECTED MS4s - The Town of Agawam has interconnected MS4s within its boundaries as follows: Massachusetts Highway Department controls certain State numbered routes, Massachusetts Department of Environmental Management controls Robinson State Park on the Westfield River, the Springfield Water and Sewer Commission controls the Bondi's Island Regional Treatment Facility on the Connecticut and Westfield Rivers, and the City of Springfield owns and operates the Bondi's Island Landfill on the Westfield River. Each of these facilities have drainage systems which are separate from or interconnect to the Town of Agawam's drainage system but are under control and operation by entities other than the Town of Agawam.

VOLUNTEERS – Several of the permit conditions within the minimum control measure for public participation relies on the interest and participation of volunteers.

SELF-ASSESSMENT - UPDATE

During permit year 15 of the EPA NPDES Phase II Small MS4 General Permit, the Town of Agawam continued to work to improve the quality of stormwater runoff using the six Minimum Control Best Management Practices as a guideline as well as the anticipated future permit requirement changes.

Public Education and Outreach continues to be implemented year round. Activities included educational displays, local cable access bulletins, community website news and events, newspaper press releases, informational pamphlets, and our newly added PSA's. Messages included watershed education, water conservation, protecting our groundwater, proper pet waste disposal, cigarette butt disposal, proper fertilization, "FOG" fats, oils and grease, household hazardous waste disposal, sharps disposal, medication disposal, and stormwater utility education.

Public Involvement and Participation activities continue to depend on volunteers and funding. The CT River Watershed and Westfield River Watershed have been very instrumental in recruiting volunteers and helping the Town of Agawam keep the area along the CT River clean. The town was successful with public participation at its annual Household Hazardous Waste collection, river clean-up, and the proper disposal of sharps at the Health Department. In addition, the town created a newly formed task force to conduct a stormwater utility feasibility study, recruiting local businesses, non-profits, and residents to participate in the study.

The Town has continued to update the GIS mapping of the stormwater system and resolve reported illicit discharge issues through the Illicit Discharge Detection and Elimination program. The DPW (with the help of the Conservation Commission) continued to perform diligent inspections of construction sites and ensured that the Town's Construction Runoff Ordinance has been properly adhered to. Due to a lack of funding and manpower, the Town has had difficulty inspecting existing drainage outfalls and detention ponds for illicit discharges and any necessary maintenance. In 2011 under contract for the Town, Tighe & Bond inspected and confirmed the locations of all existing drainage outfalls and performed illicit discharge testing. Tighe & Bond completed this work with the assistance of the Agawam Engineering Division. All outfalls that were able to be located were inspected, photographed and linked to our GIS database.

In year 9, the Town reported about the progress of the South West Area Sewer expansion project, designed to help eliminate the use of septic systems in the area which have a history of failing. Due to budget constraints, that project has been postponed indefinitely. In response to this, the DPW/Engineering Division will closely monitor the storm drainage system in the southwest area of town for any potential illicit discharges. If an illicit discharge is reported, the DPW will take steps to immediately correct the problem.

In permit year 13, the DPW, in conjunction with the Pioneer Valley Planning Commission, applied and was approved for a 319 Nonpoint Source Pollution Grant. This grant will allow the Town of Agawam to study the possibility of establishing a stormwater utility similar to other communities in the area. The work will include identifying major needs and costs for the municipal stormwater program and evaluating billing, unit, rate and other financial considerations. In permit year 14, a local advisory task force, comprised of Town employees, businesses and residents, has been formed to research the major needs, priorities, and costs for Agawam's municipal stormwater management program and to evaluate the feasibility of establishing a stormwater utility or fee to fund the future program.

In permit year 15, the task force worked with the consulting company of Amec Foster Wheeler to conduct research for a stormwater utility fee. Over the course of 6 meetings, the task force discussed past and current funding available for stormwater maintenance, necessary repairs to the drainage system, known areas of flooding, and options for a billing rate structure for the utility fee. The task force was also involved in public outreach and held additional meetings focused on open discussions with Town leaders, senior citizens,

members of the clergy and local business owners. Amec Foster Wheeler is in the process of summarizing the findings of the task force to present to the Mayor and City Council.

In anticipation of the release of the final version of the updated NPDES Phase II Small MS4 General Permit for Massachusetts, the Town of Agawam has begun the process of purchasing new equipment in order to comply with the regulations projected to be included within the permit based on our review of previous draft versions. The town now has in stock water quality test kits for detecting ammonia, pH, temperature, nitrates, chlorine and detergents within stormwater discharges.

In permit year 13, the Town purchased a new RapidView portable camera inspection system from C.N. Wood Co. Inc. This camera system, which includes a camera mounted on a tractor that can be operated via a portable control module, will allow the Town to perform inspections of the storm sewer system utilizing DPW personnel rather than contracting the service out. In this manner, the DPW will be able to find defects within drainage pipes and structures, locate illicit connections, and inspect stormwater outfalls more efficiently and at a much lower cost.

Good Housekeeping and Pollution Prevention practices continue to be a priority throughout the town. Employees continue to be educated on best management practices for municipal operations. Organic lawn care practices, street sweeping, catch basin cleaning and repairs, HHW collection, used motor oil collection, mercury waste collection, prescription drug drop off and sharps collections continue to take place as funding is available.

The Town of Agawam believes it has made a good effort in better educating residents, businesses and town employees and implementing best management practices that would help reduce negative impacts on stormwater runoff that would affect our water supplies.

PART 3. STORMWATER MANAGEMENT PROGRAM**MINIMUM CONTROL BEST MANAGEMENT PRACTICES****SECTION 1 – Public Education and Outreach****1A Educational Displays****Original BMP Description:**

The Town will post one educational display per year in the Municipal Buildings. Displays will contain information on stormwater related issues and may be obtained from an applicable governmental or other public agency, purchased from a distributor, or created by students working on projects under BMP #1B. The Department of Public Works (DPW) will have responsibility for this BMP, which will be utilized in Years 1 through 5.

Year 15 Activities

The town continues to rotate and display the following "Think Blue MA" posters throughout the Department of Public Works (DPW) Lobby, Conference Room, Animal control Office and Town Hall:

- Pet Waste Disposal – Animal Control Office
- Fertilizer Application – DPW Conference Room
- Cigarette Butt Disposal – DPW Lobby
- Cigarette Butt Disposal – Town Hall Lobby

Residents continue to have available to them the following literature, available in the DPW Lobby:

- 13 Ways to Conserve Water at Home
- Water – Every drop counts
- Ground Water – Protecting our supplies
- "FOG" Fats, Oils and Grease
- Disposal of Household Chemicals and sustaining the water supply

The DPW continues to use the conference room bulletin board to display stormwater related topics and news relevant to home owners, businesses, developers, industrial properties, and municipal employees. The DPW added three additional pieces of literature to the bulletin this year; (1) A Guide to Preventing Stormwater in the Food Industry (2) A Guide to Preventing Stormwater in the Automotive Industry (3) A Guide to Preventing Stormwater for Businesses.

See Appendix 1A

The DPW is currently working with an Agawam HS student to create a video PSA about stormwater pollution. The PSA is still under construction and is due for release in early June. It is expected the town will continue working with this student, while his time allows, to create additional PSA's regarding stormwater pollutants and their effects on the watershed.

In partnership with the PVPC and the Connecticut River Stormwater Committee, a 30 second radio PSA began running on April 2nd. The PSA, intended to target the general public, will air 183 times in a three-week period on three different radio stations; WRSI, WHMP, and Lazer 99.3. Committee member communities are expecting we may determine the PSA's effectiveness by tracking the number of visits on the Pioneer Valley Soak Up the Rain website referenced in the PSA.

The town is currently working with the IT Department on posting the PSA on the town website at www.agawam.ma.us

See Appendix 2D – Ct River Annual Report for PSA text

Best Management Practice Assessment / Proposed Changes

Goal has been met. No changes proposed at this time.

Possible Future Activities

As necessary, the town will continue to educate the community on stormwater related topics using municipal buildings and businesses as a means to distribute the materials.

1B Classroom Education

Original BMP Description:

The Town will continue the science curriculum and encourage stormwater educational topics to be included in the curriculum for Grades 4 through 8. At minimum, the curriculum will include one presentation given to the students about stormwater related topics. The School Department will be responsible for this BMP, which will be implemented in Years 1 through 5.

Revised BMP Description:

The Agawam Public Schools will use the recommended teaching lessons from the state MCAS standards in grades K – 10 to increase awareness about stormwater related topics. The DPW will continue to support programs within the schools as funding is available as well as continue to seek volunteers for stormwater projects throughout the community.

Year 15 Activities

Due to limited staff and funding, the Watershed on Wheels, sponsored by the Silvio O. Conte National Fish and Wildlife Services (FWS) was unavailable to visit the Agawam Middle School in permit year 15. A revised program has been scheduled for September 2018. Training will be provided by the FWS to the teachers who will then bring lesson plans back to the classrooms using FWS watershed tables and kiosks.

Jack Golden, a solo artist who travels across the country bringing environmental messages to schools, will also be presenting a "Water Water Everywhere" presentation to all fifth graders in October 2018. His presentation will bring students through the wetlands, water molecules and storm drains, as they learn facts about one of the most valuable resources on earth: clean water.

See Appendix 1B

Best Management Practice Assessment / Proposed Change

No proposed changes to this BMP

Possible Future Activities

It is anticipated that the DPW will continue to coordinate the Watershed on Wheels and Jack Golden presentations, as funding is available.

1C Local Cable AccessOriginal BMP Description:

The Town will post two informational bulletins per year on the local cable access channel. Bulletins will contain information on stormwater related issues and associated community activities. The DPW will have responsibility for this BMP, which will be utilized in Years 1 through 5.

Year 15 Activities

During permit year 15 the Town of Agawam posted the following information to help viewers learn more about stormwater management, healthy habits, and community activities.

- River Clean-ups, Westfield River Watershed
- Household Hazardous Waste Collection, Department of Public Works

Best Management Practice Assessment / Proposed Change

No proposed changes to this BMP.

Possible Future Activities

The town will continue to post educational bulletins and community activities as they arise.

1D Community WebsiteOriginal BMP Description:

The Town will post stormwater educational information on the community website two times per year. The website will include a link to DEP's website and updates annually or as needed. The DPW will be responsible for this BMP, which will be implemented in Year 1 and updated in Years 2 through 5.

Year 15 Activities

During permit year 15 the Town of Agawam updated the Events section of the town website to include the following information to help viewers learn more about stormwater management, healthy habits, and community activities.

- River Clean-ups, Westfield River Watershed
- Household Hazardous Waste Collection, Department of Public Works
- Stormwater Utility Feasibility Study Workshops and Minutes

The DPW added an entire link dedicated the recently awarded Stormwater Utility Feasibility Study Grant the town was awarded in partnership with the Pioneer Valley Planning Commission. The page includes the following information:

- Purpose of the task force
- List of task force members
- Meeting dates
- Past meeting agendas and minutes
- Interactive map to report stormwater issues

See Appendix 1D

The DPW continues to make available a link to an electronic version of the current stormwater report.

Best Management Practice Assessment / Proposed Change

No proposed changes to this BMP

Future Activities

The DPW will continue to update the website as necessary as to keep the general public informed of stormwater issues and environmental events.

Original BMP Description:

The Town will send out two press releases per year to the local newspaper. Press releases will contain information on stormwater related issues and community activities. The DPW will have responsibility for this, which will be utilized in Years 1 through 5.

Year 15 Activities

During permit year 15, the following press releases were sent and published in local newspapers.

- (10) Stormwater Task Force articles, Department of Public Works1
- Household Hazardous Waste Collection, Department of Public Works
- Proper Disposal of Sharps, Health Department
- Proper Disposal of Prescription Medication, Police Department
- River Clean-up, Westfield River Watershed Association

See Appendix 1E

Best Management Practice Assessment / Proposed Change

No proposed changes

Possible Future Activities

Town will continue to send out press releases to local newspapers throughout permit year 15.

1F Informational Pamphlets

Original BMP Description:

The Town will distribute one informational pamphlet or notice per year to every household Town-wide. The pamphlet or notice will likely be included with the mailing of the Consumer Confidence Report on water quality. Pamphlets will contain information on stormwater related issues and may be obtained from an applicable governmental or other public agency, purchased from a distributor, or

possibly created by student's project under BMP #1B. The DPW will have responsibility for this BMP, which will be utilized in Years 1, 3, and 5.

Year 15 Activities

In permit year 15 the town chose to conduct a direct mailing to 409 businesses, encouraging their attendance to a workshop on Agawam's stormwater needs and funding.

See Appendix 1F

Best Management Practice Assessment / Proposed Change

No proposed changes.

Possible Future Activities

It is anticipated the town will include a Stormwater Newsletter in the Consumer Confidence Reports to be mailed out in May 2018. The newsletter will include the status of the Stormwater Feasibility Study that took place during permit year 15, stormwater utility information, and town infrastructure data.

MINIMUM CONTROL BEST MANAGEMENT PRACTICES

SECTION 2 - PUBLIC INVOLVMENT AND PARTICIPATION

2A Adopt-a-Road

Original BMP Description:

The Town will continue to support neighborhood cleanup days by providing trash-bags and subsequent collection for voluntary roadside cleanups. The town will document locations targeted during each permit year as well as communication with potential volunteers. The Department of Public Works (DPW) will be responsible for this BMP, which will be implemented in Years 1 through 5.

Year 15 Activities

Through the continued efforts of the CT River Watershed Association and the Westfield River Watershed Association, two successful clean ups took place in areas along the CT River in Agawam.

See Appendix 2A

Best Management Practice Assessment / Proposed Change

No changes at this time.

Possible Future Activities

Agawam will continue to promote "Agawam Clean" community clean-ups during the month of May. The DPW will continue to encourage and support local volunteers as they become available.

2B Attitude Surveys

Original BMP Description:

The Town will include a questionnaire with stormwater related questions with the mailing of the water bills. The questionnaire will be used to measure community awareness of stormwater issues and the success of the Public Education and Public Involvement components of the Stormwater Management Plan. The DPW will have responsibility for this BMP, which will be utilized in Years 2 and 5.

Year 15 Activities

Attitude surveys were distributed as an insert of the Consumer Confidence Report / Aqua Almanac in permit year 2, 5 and 9 and 14.

Best Management Practice Assessment / Proposed Change

Any changes pending future General Permit Requirements

Future Activities

Additional surveys pending future General Permit Requirements

2C Catch Basin MarkingOriginal BMP Description:

The Town will support and supervise volunteer groups to mark catch basins with stormdrain markers. The DPW will supply guidance to volunteer groups regarding the installation of stormdrain markers, directions to locations, and all necessary materials. The Town's goal is to identify and mark 200 catch basins per year depending on volunteer participation. The DPW/volunteer groups will be responsible for this BMP, which will be implemented in Years 1 through 5.

Year 15 Activities

Volunteers from the Agawam High School Environmental Club marked 33 Stormdrains during permit year 15. The target area was a residential neighborhood with a history of yard waste being dumped into catch basins.

In addition to the stormdrain marking, students tracked conditions found at each stormdrain marked. The top three non-point source pollutants identified were:

1. Trash
2. Cigarette Butts
3. Yard Waste

See Appendix 2C

Best Management Practice Assessment / Proposed Change

No Change at this time.

Possible Future Activities

DPW will continue to recruit and support local volunteers in marking catch basins.

2D Watershed Committee

Original BMP Description:

The Town of Agawam will coordinate stormwater activities with the Westfield River Watershed Association (WRWA) within Year 1 and will participate in Years 2 through 5. The Conservation Commission will be responsible for Agawam's participation in the WRWA.

Revised BMP Description:

The Town of Agawam will partner with the Westfield River Watershed Association and Connecticut River Watershed Association as able; to coordinate stormwater related activities and public outreach within the watersheds.

Year 15 Activities

The (WRWS) continues to be an active partner in helping the Town of Agawam keep the riverbanks clean, coordinating the Source to Sea Cleanup along the CT River, seeking volunteers and DPW staff to assist in the clean-up.

The town continues to be an active member of the Connecticut River Stormwater Committee. Facilitated and staffed by the Pioneer Valley Planning Commission, the committee comprises of 17 municipalities, organized to collaborate in meeting NPDES MS4 permit requirements for stormwater education and outreach. In permit year 15, the committee continued education and outreach under the requirements of the 2003 permit, while preparing for the forthcoming permit. During permit year 15, the following activities took place;

- Promoted Soak up the Rain stormwater education campaign through the use of radio PSA's
- Currently developing a neighborhood door hanger highlighting stormwater work
- Website design for Ct River Stormwater Committee under construction
- Two training workshops for municipal staff were videotaped for municipal use; Good Housekeeping and Illicit Discharge Detection and Elimination
- Review and updating municipal land use code integrated stormwater system mapping and data collection

See Appendix 2D

Best Management Practice Assessment / Proposed Change

No proposed changes

Future Activities

Activities pending future general permit requirements.

2E Community OutreachOriginal BMP Description:

The Town will attempt to track the community participation level based on community outreach programs provided by the Town. The DPW will have responsibility for this BMP, which will be utilized in Years 2-5.

Revised BMP Description:

The Energy Commission, Beautification Committee, Conservation Commission, Planning and Community Development, and Department of Public Works will attempt to distribute informational flyers at local community events; as well as sponsor educational programs as funding becomes available. Flyers and programs will contain information on stormwater related issues as pertinent to the town. All parties will make every effort to track the community participation level based on community outreach programs provided by the town.

Year 15 Activities

During Permit Year 15, the DPW offered the following programs to residents in town.

- Household Hazardous Waste Day; 155 Residents attended
- River Clean-up
- Drug Take Back at PD
- Sharp Collection Program, Health Dept. - 62.2 cu.ft. of sharps collected

Best Management Practice Assessment / Proposed Change

The town will continue to offer programs to residents and businesses as funding is available. In addition, the town will track program participation to the best of their ability.

Future Activities

Future activities are pending the rewritten General Permit Requirements.

Minimum Control Best Management Practices

Section 3 – ILLICIT DISCHARGE DETECTION AND ELIMINATION

3A Mapping Stormwater Outfalls

Original BMP Description:

A Stormwater Outfall Map is to be developed showing the municipal stormwater outfall pipes greater than 12-inches diameter. Existing information and reports from previous investigations are to be compiled in Year 1. Approximately 25% of the outfalls are to be field inspected each year for Years 2 through 5. Inspectors will catalogue the size, pipe material and condition of each, the receiving water-body, and visual observation of the discharge and immediate downstream channel. The Department of Public Works (DPW) will be responsible for this BMP.

Year 15 Activities

GIS based mapping of the Town's existing stormwater drainage system is estimated to be complete. The Town of Agawam has updated the GIS map drainage information with new residential subdivisions that were constructed in Year 14.

The mapping shows locations of all catch basins, drain manholes, drainage pipes, outflows, detention basins, and road culverts. The GIS maps are often utilized for stormwater related investigations including searching for cross connections and tracing the sources of illicit discharges. Both the DPW foremen and the Engineering Division have a hard copy set of the Town's most current drainage plans on file for quick access in the field. Also, a workstation within the DPW has been set up for the exclusive use of GIS related activities for quick and easy data access in the office. This GIS mapping is available to the public online via the Town of Agawam's website. This includes all the drainage mapping data.

Through the efforts of the Pioneer Valley Planning Commission, the Town of Agawam has collaborated with several other communities in order to purchase an integrated mapping and data collection system that will help fulfill the requirements of the updated NPDES Phase II Small MS4 General Permit. Even though the infrastructure of the Agawam storm sewer system has been mapped, the collection system will assist the DPW in scheduling the cleaning and repair of drainage structures, prioritizing problem catchments, tracking illicit discharges and recording the results of outfall inspections. The Town and other participating communities received help from the PVPC to research, analyze and identify a suitable collection system via a District Local Technical Assistance Grant. Participating communities have provided a 5% in-kind match in the form of time spent on the project by staff or volunteers. The PVPC and participating communities are in the process of finalizing the survey forms that will be used in conjunction with the mapping software for inspections of drainage

structures, outfalls and BMPs. The Town will have full use of the purchased software in Year 16.

Best Management Practice Assessment / Proposed Change

The GIS mapping of all drainage structures within the Town is complete. The details described in this requirement have been gathered during the mapping process. As the DPW continues to perform complex drainage system investigations, the condition of known drainage outfalls will be reevaluated.

Possible Future Activities

The GIS drainage mapping project is an ongoing activity. Maps are updated as new construction is completed and new information about existing drainage is discovered in the field. The Town will continue to work with Tighe & Bond as a consultant to improve and add to the GIS maps. The Town is looking into purchasing tablets to allow DPW employees to use the new mapping and data collection system for inspections of drainage structures, outfalls and BMPs as well as accessing existing GIS data in the field.

3B Non-Stormwater Discharge Ordinance

Original BMP Description:

The Town intends to adopt an ordinance or other regulatory mechanism to prohibit non-stormwater discharges into the MS4 system. The Town will evaluate existing regulations in Year 1, prepare a draft ordinance in Year 2, and propose the new ordinance for adoption in Year 3. Pending adoption, the ordinance will be enforced in Years 3 through 5. The DPW will have responsibility for this BMP.

Year 15 Activities

As noted in permit year 4, the current Water and Sewer Ordinance has been revised to reflect the Federally Mandated Requirements prohibiting non-stormwater discharges into the MS4 system. The revised ordinance was approved by the City Council on May 15, 2006. The approved ordinance is currently being used and enforced.

In permit year 13 the Town had been awarded a 319 Nonpoint Source Pollution Grant. This grant will allow the Town of Agawam to study the possibility of establishing a new stormwater utility fee for all properties in Town. In permit year 14, a local advisory task force, comprised of Town employees, businesses and residents, has been formed to research the major needs, priorities, and costs for Agawam's municipal stormwater management program and to evaluate the feasibility of establishing a stormwater utility or fee to fund the future program.

In permit year 15, the task force worked with the consulting firm of Wood Group to conduct research for a stormwater utility fee. Over the course of 6 meetings, the task force discussed past and current funding available for stormwater maintenance, necessary repairs to the drainage system, known areas of flooding, and options for a billing rate structure for the utility fee. The task force was also involved in public outreach and held additional meetings focused on open discussions with Town leaders, senior citizens, members of the clergy and local business owners. Amec Foster Wheeler is in the process of summarizing the findings of the task force to present to the Mayor and City Council.

For more information about the Stormwater Task Force, see the Town of Agawam's website: <http://www.agawam.ma.us/>.

Best Management Practice Assessment / Proposed Change

This ordinance has been enforced during permit year 14. Any discovered illicit connections to the stormwater system are eliminated as soon as possible.

Possible Future Activities

The DPW will continue to educate the community regarding the ordinance as well as enforce the ordinance regulations regarding non-stormwater discharges into the MS4 System. The DPW may propose some revisions to the ordinance that will expand on the Federally Mandated Requirements and clarify the wording in a few sections. Any future revisions are pending future rewritten General Permit Requirements.

The DPW will present the findings of the advisory task force to the Mayor and the City Council. If approved, the DPW will work to develop a comprehensive stormwater utility fee including a rate structure and possible credits for residents and businesses. The DPW will also create a priority list of stormwater projects to be funded by the utility fee

See Appendix 3B

3C Develop Illicit Discharge Plan

Original BMP Description:

The Town will develop an Illicit Discharge Plan to include procedures for identifying, locating, removing illicit discharges as well as documenting actions and evaluating impacts. The Town will evaluate existing procedures in Year 2. The Town will prepare a draft plan and propose the plan for adoption in Year 3. Pending adoption, the plan will be implemented in Years 3 through 5. The DPW will be responsible for this BMP.

Year 15 Activities

As part of the development of the Non-Stormwater Discharge Ordinance, existing illicit discharge practices were evaluated. Existing activities involve the investigation and removal of illicit discharges or dumping if the DPW is made aware of an issue based upon resident complaints or observation by DPW or Town personnel. Removal of illicit discharges has been based upon existing authority by the DPW to do so. GIS drainage mapping continues to be updated as new construction and complex investigations are performed. As the mapping continues, the detailed evaluation of which areas to focus on for investigations will proceed.

The DPW has incorporated the Town's existing sanitary sewer system into the GIS maps. Having this information alongside the stormwater drainage system will allow the DPW to more accurately determine the areas most likely to have illicit discharges. The DPW will continue to update the sanitary sewer information as new construction occurs within the Town.

A copy of the Town's Illicit Discharge Detection and Elimination (IDDE) Plan can be found in Appendix 3C of the 2008 Annual Report.

An Illicit Discharge Investigation Report form is used as a method of notification and documentation by the DPW when Non-Stormwater Discharges are observed at a site that is in violation of Town Code. Copies of these reports are available at the DPW.

In Year 1, the Town of Agawam has investigated and resolved illicit discharges in the following locations:

- **#57 Sunset Terrace:** The DPW received a complaint from the owner of #57 Sunset Terrace concerning the neighboring property, #63 Sunset Terrace. Throughout the winter, runoff would freeze within the street, forming a large sheet of ice between the two properties, creating a potential safety hazard. The owner of #57 Sunset Terrace believed that the runoff was coming from a sump pump outlet on #63 Sunset Terrace. The DPW investigated the claim, but found no evidence of an outlet pipe. It was observed that the pavement surface in this location had rutting along the side of the road abutting the two properties. It was assumed that stormwater runoff was being captured within the depression and freezing.
- **Culvert at North Street Pump Station:** An intense storm event caused massive erosion to occur at a culvert located on a section of North Street known as Deep Gutter, adjacent to the North Street sewer pump station. The erosion destabilized the slope above the upstream invert of the culvert, allowing sediment to flow down the slope and into the stream. The sediment clogged the upstream invert of the culvert and has begun to fill in the downstream stream bed. The flooding which resulted from the clogged culvert caused more

erosion along upstream bank. The DPW excavated the upstream invert to improve flow through the pipe and stabilized the slope above upstream invert with riprap. The DPW has future plans to reconstruct the culvert and improve the upstream and downstream banks as per Massachusetts river and stream crossing standards.

- **South Park Terrace:** The DPW has received numerous complaints about flooding within the street, especially on the eastern side. Drainage structures along the street consist mainly of dry wells and catch basins that discharge into small infiltration systems. However, due to the high groundwater table and silty soils, these infiltration devices have proven to be ineffective. During our investigations into possible solutions to the flooding, the DPW discovered two catch basins near the intersection of South Park Terrace and Main Street that are connected to the sanitary sewer system. The DPW is currently working with Tighe & Bond to design a new storm sewer system for South Park Terrace that will alleviate the flooding and disconnect the two catch basins from the sanitary sewer.
- **Arnold Street:** The drainage system in Arnold Street had previously discharged to an underground infiltration system composed of lines of 6" perforated pipe. Within recent years, Arnold Street would experience severe flooding during heavy storm events, making the street impassible. Site inspections determined that the existing infiltration system had become impacted with sediment and was no longer large enough to handle the increase in stormwater runoff caused by continued development along Arnold Street. The DPW removed the existing system and installed a new system comprised of StormTech infiltration chambers.
- **#98 North Alhambra Circle:** The DPW had previously installed a dry well at the apartment building located at #98 North Alhambra Circle which has a history of flooding within their yard and parking lot. The dry well is no longer adequate to handle the amount of runoff that becomes trapped in that location. There is a depressed area in the northern section of the property that acts as a natural detention pond. The DPW re-graded the northern section of the property so that overflow from the dry well would flow through a swale into the depressed area, redirecting flood waters away from the parking area.
- **Meadow Street:** The DPW had been made aware of a flooding issue in the section of Meadow Street between Joseph Street and the Regency Apartments. This area would flood during heavy storm events, causing a safety hazard for vehicles. The catch basins in Meadow Street are connected to a drainage pipe that runs along the property line of the Regency Apartments. A camera inspection of the pipe revealed it was full of sediment which reduced the capacity of the pipe and caused the flooding in Meadow Street. The DPW used

the High Velocity truck to flush out the sediment from the pipe. The DPW will continue to monitor the situation to determine if it is necessary to replace the drainage pipe.

A list of existing detention basins within the Town has been created. This list will be updated as new construction is completed. The Engineering Department is conducting inspections of the detention basins to prevent and eliminate illicit discharges by confirming the basins are working properly and are being maintained as per Town stormwater regulations. If it is observed that a detention basin has not been maintained, the owner of the property where the basin is located is notified and instructed to repair the basin to the satisfaction of the Town.

Tighe & Bond has inspected 95% of the known drainage outfalls in town in Year 9. During inspections, pictures were taken of each outfall and its condition was noted on an Outfall Reconnaissance Inventory Sheet along with obvious signs of any illicit discharges including noticeable odors, outflow color and turbidity, and any observed floatables.

Best Management Practice Assessment / Proposed Change

In Year 7, a program was started by the Engineering Department to inspect all mapped outfall pipes over the next four years. In Year 9, Tighe & Bond inspected 95% of the known drainage outfalls. According to the new General Permit regulations set to take effect in July of 2018, 25% of the existing outfalls must be inspected and tested each year. Due to a lack of funding and manpower, the Town may have difficulty in meeting this requirement. The DPW will make every effort to improve its performance in this BMP by setting up a detailed list of outfalls that need inspecting. All inspection results will be documented on an Outfall Reconnaissance Inventory Sheet and recorded within the GIS maps. Future Activities

The Town of Agawam has recently discovered that the roof drains from the Roberta G. Doering Middle School currently flow into the town sanitary sewer system. The DPW is currently making plans to correct this problem by redirecting the roof runoff to the storm sewer system within Reed Street. It was discovered that the outfall of the Reed Street drainage system, which discharges into the Westfield River, has collapsed due to massive erosion which has severely destabilized the river bank. The DPW will be abandoning the existing outfall and redirecting the storm sewer flow from Reed Street to a new outfall to be built east of the existing one. The river bank surrounding the existing outfall will be stabilized either with riprap or metal sheeting.

In order to meet the NDPES General Permit regulations, the Town hired Tighe & Bond to assist with the necessary inspection, as described above. The Town will continue to perform inspections as time and budget allows. In future inspections, if signs of an illicit discharge are discovered, a sample will be taken from the outfall and tested in-

house for the pollutants indicated within the Massachusetts Phase II Small MS4 General Permit, at a minimum. A list of outfalls that need maintenance will be created. These outfalls will be repaired and illicit discharge connections will be investigated as the Town's budget allows. The Town is currently seeking to hire more Engineers and DPW Crew Workers in order to comply with the increased inspection requirements of the new General Permit.

The Town shall continue inspecting detention basins and outfalls as the available budget and manpower allows. Town owned detention basins will be given priority. The DPW will be responsible if any repairs to the basins are deemed necessary. Inspections will also be conducted at detention basins on private property. The property owners will continue to be responsible for the mowing of the detention basins whereas the DPW will repair any drainage structures, pipes and outfalls, etc. Assistance can be given at the discretion of the DPW.

The DPW is in the process of developing a stormwater utility fee that will help to fund additional stormwater related projects within the Town. Research was conducted by an advisory task force and the consulting company of Amec Foster Wheeler. The results of this research will be presented to the Mayor and the City Council. If approved, the DPW will work to develop a comprehensive stormwater utility fee including a rate structure and possible credits for residents and businesses. The DPW will also create a priority list of stormwater projects to be funded by the utility fee.

3D Inform Employees, Businesses, and Public

Original BMP Description:

Municipal employees, businesses and the public will be informed regarding the illicit discharge plan and the non-stormwater ordinance. Elements of the public education program will include publicity for this BMP. The DPW will be responsible for this BMP, which will be implemented in Years 3 through 5.

Year 15 Activities

In permit year 15, the DPW created a "No Grease Down the Drain" sign / handout to be distributed and posted in all food prep areas within municipal buildings; schools and golf course, and all businesses that prepare food. It is anticipated the DPW will work with the Health Department during permit year 16 to identify all locations needing signs. Decreasing the amount of fats, oils and grease (FOG) in the sanitary sewer system should decrease the occurrences of Sanitary Sewer Overflows (SSO) that may then flow to the MS4.

In addition, the Health Department has prepared to mail 162 flyers to all food service establishments at the end of May. Flyers will also be distributed during inspections.

See Appendix 3D

Best Management Practice Assessment / Proposed Change

No proposed changes.

Possible Future Activities

Additional future activities will be adjusted pending the rewritten General Permit Requirements.

3E Video Inspection

Original BMP Description:

The DPW will contract for the use of a video camera to inspect storm drain pipes as practicable to follow up on illicit discharges discovered during activities under BMP #3B. The DPW will be responsible for this BMP, which will continue for permit Years 3 through 5.

Year 15 Activities

The Town has purchased a new portable video camera inspection system with a remote controlled tractor which will be used to investigate the condition of Town-owned drainage pipes and outfalls. Video inspections are used to determine: if there are any illicit connections, if any pipes or outfalls have fallen into disrepair and to assist in mapping of the Town's drainage system. Employees in both the Engineering Division and the Sewer Department have received training on the use of the new camera system.

Best Management Practice Assessment / Proposed Change

The DPW continues to use its current pushrod video camera system to assist in Illicit Discharge detections and other related drainage and sanitary sewer investigations. However, the pushrod camera is only suitable for inspecting small diameter pipes and outfalls. The new remote controlled camera system will be able to travel through the larger diameter pipes and outfalls within the Town drainage system. The Town will continue to use the pushrod camera for small pipes and laterals. If it is necessary, the DPW can contract out the use of a professional video camera system as it has done in the past.

Possible Future Activities

The DPW plans to use its new portable camera system to investigate several stormwater issues throughout the town including the condition of drainage pipes suspected to be in disrepair and finding outfall locations that could not be previously verified in the field.

The DPW continues to discuss the opportunity to implement a new stormwater fee for all properties in Town. The monies acquired by this fee will be used to help offset the costs of maintaining the Town's drainage system and the Illicit Discharge Program including video inspections. If the new stormwater fee is implemented, the Town would have extra funding available to do more video inspections by either the Town's camera and crews or via a private company.

3F Failing Septic SystemsOriginal BMP Description:

The Board of Health (BOH) currently keeps records of septic system failures that are used to identify problem areas. The BOH will report failures to the DPW for inclusion in GIS mapping in Year 3. The BOH will be responsible for this BMP, which will continue for Years 1 through 5.

Year 15 Activities

The Health Department maintains records on all inspections involving septic systems. The Health Department has forwarded a list of all failed systems from 2017 to the DPW. Septic System locations and their failures from 2003-2016 have been incorporated into the GIS mapping project.

See Appendix 3F

Best Management Practice Assessment / Proposed Change

Due to budget constraints, the Southwest Area Sewer project has been postponed indefinitely. This project was to include South Westfield Street, Pine Street, parts of Barry Street and the subdivisions off of these streets and 2 pump stations. Once the new sewer was constructed, the areas that were experiencing septic system failures would have been able to connect to the Town sewer system. Since septic systems will still be in use in this area, the DPW/Engineering Division will closely monitor the storm drainage system in the southwest area of town for any potential illicit discharges. If an illicit discharge is reported, the DPW will take steps to immediately correct the problem.

Future Activities

The DPW plans to further analyze septic system failures using the data that has been input into the GIS database. This information will help the Town prioritize future sewer proposals and also help residents understand where problematic areas in town are located. Analyzing septic information in GIS will also help to determine which areas of town should be classified as a high risk of illicit discharge.

3G CATCH BASIN MARKING

Original BMP Description:

The Town will support and supervise volunteer groups to mark catch basins with stormdrain markers. The DPW will supply guidance to volunteer groups regarding the installation of stormdrain markers, directions to locations, and all necessary materials. The Town's goal is to identify and mark 200 catch basins per year depending on volunteer participation. The DPW/volunteer groups will be responsible for this BMP, which will be implemented in Years 1 through 5.

Year 15 Activities

Volunteers from the Agawam High School Environmental Club marked 33 Stormdrains during permit year 15. The target area was a residential neighborhood with a history of yard waste being dumped into catch basins.

In addition to the stormdrain marking, students tracked conditions found at each stormdrain marked. The top three non-point source pollutants identified were:

1. Trash
2. Cigarette Butts
3. Yard Waste

See Appendix 2C

Best Management Practice Assessment / Proposed Change

No Change at this time.

Possible Future Activities

DPW will continue to recruit and support local volunteers in marking catch basins.

Minimum Control Best Management Practices**SECTION 4 - CONSTRUCTION SITE RUNOFF CONTROL****4A Construction Runoff Ordinance**Original BMP Description:

The Town has adopted a Construction Runoff Ordinance which requires sediment and erosion control at construction projects with over one acre in total disturbance. The Town has evaluated existing regulations (including Zoning, Subdivision, and Wetlands regulations) in Year 1, prepared a draft ordinance in Year 2, and proposed the new ordinance for adoption in Year 3. Pending adoption, the ordinance was enforced in Years 3 through 5. The DPW, Planning Department, and Building Inspector have responsibility for this BMP.

Year 15 Activities

The current Water and Sewer Ordinance has been revised to reflect the Federally Mandated Requirements requiring sediment and erosion control at construction projects with over one acre in total disturbance. The revised edition was approved by City Council on May 15, 2006. Enforcement of the new ordinance began shortly after this approval. A new Stormwater Permit Application was created and implemented during Year 4. The ordinance and permit application continues to be used and enforced.

In permit year 14, the DPW, in conjunction with the Pioneer Valley Planning Commission, applied and was approved for a Efficiency and Regionalization grant for the purpose of reviewing and updating current Town ordinances, including the Construction Runoff Ordinance, Subdivision Regulations, Water and Sewer Regulations. In permit year 15, the PVPC reviewed ordinances from nine municipalities, including Agawam, and recommended changes that will help the Town comply with the new MS4 General Permit. Currently, stormwater regulations are ingrained within the existing Subdivision Regulations and Water and Sewer Regulations. PVPC recommended that the stormwater regulations be removed from the other regulations and a separate Stormwater Ordinance be created.

Best Management Practice Assessment / Proposed Change

The Agawam Engineering Division continues to work with developers to identify and address possible problematic areas before stormwater runoff issues occur. As a result, Year 11 had very few construction runoff issues in Town.

Possible Future Activities

The Town will review the recommendations from PVPC concerning our current ordinances and consider how best to implement them.

The Town continues to research, discuss and propose the opportunity to implement a new Stormwater Fee for all properties in Town. The monies acquired by this fee will be used to help offset the costs of maintaining the Town's drainage system, implementing the Illicit Discharge Program and educational purposes. Also, the new stormwater fee rules will include special incentives for private sites: to implement low impact development procedures, to reduce peak stormwater runoff rates through detention or infiltration, and to improve existing TSS removal rates.

The Town may also look into implementing a system that includes the possibility of fining developers, builders, etc. if BMPs are not properly installed and maintained resulting in erosion and sediment runoff from the construction sites.

4B Construction Plan Review

Original BMP Description:

Under the Construction Runoff Ordinance (or other regulatory mechanism), applicants with projects with disturbance over one acre will be required to submit sediment and erosion control plans for Town review and approval. Until a new ordinance is adopted (anticipated in Year 3), the Town will continue to review construction plans in accordance with existing regulations. Pending adoption, plans will be reviewed per the new ordinance in Years 3 through 5. The DPW, Planning Department, and Building Inspector have responsibility for this BMP.

Year 15 Activities

All construction sites within the jurisdiction of the Rivers Act and the Wetland Protection Act must submit plans to the Conservation Commission for review of proposed erosion and sediment control measures. These sites are inspected and overseen by the Conservation Commission with the assistance of the DPW.

All new subdivision submittals are required to include construction phase erosion and sediment control measures within the construction plan set. This includes both short-term and long term BMPs for the site.

The developers of all new subdivisions are required to submit the project's EPA NOI for construction activities, and give a courtesy copy of the SWPPP to the DPW.

DPW works with the Conservation Commission, developers, and property owners to reduce the chances of erosion control problems before they occur and alleviate any issues as soon as they arise.

An ordinance addressing erosion and sediment control was adopted by the City Council in May of 2006 and is currently being implemented by the DPW.

Best Management Practice Assessment / Proposed Change

No Change is proposed.

Possible Future Activities

As described in Section 4A, the PVPC has assisted the Town with reviewing and updating Town ordinances, including the Construction Runoff Ordinance, Subdivision Regulations, and Water and Sewer Regulations. Any changes made to these ordinances will be incorporated into our Construction Plan Review procedure.

4C Inspection / Reporting

Original BMP Description:

Under the Construction Runoff Ordinance (or other regulatory mechanism), projects with disturbance over one acre will be required to have regular inspection of sediment and erosion controls and reporting of construction activities. Until a new ordinance is adopted (anticipated in Year 3), the Town will continue to require inspection and reporting in accordance with existing regulations. Pending adoption, construction inspection and reporting will be enforced in Years 3 through 5. The DPW, Planning Department, and Building Inspector have responsibility for this BMP.

Year 15 Activities

As documented in permit year 4, ordinance changes had been adopted by the City Council as of May 5, 2006.

The DPW and Conservation Commission continue to work together inspecting and enforcing the Wetland Protection Act on projects within the appropriate jurisdiction.

Best Management Practice Assessment / Proposed Change

No Change is proposed.

Possible Future Activities

As described in Section 4A, the PVPC has assisted the Town with reviewing and updating Town ordinances, including the Construction Runoff Ordinance, Subdivision Regulations, and Water and Sewer Regulations. Any changes made to these ordinances will be incorporated into our construction inspection and reporting procedure.

MINIMUM CONTROL BEST MANAGEMENT PRACTICES**SECTION 5 POST CONSTRUCTION STORMWATER MANAGEMENT****5A Post Construction Runoff Ordinance**Original BMP Description:

The Town intends to adopt an ordinance or other regulatory mechanism to address post construction runoff from projects with over one acre in total disturbance. The Town will evaluate existing regulations (including Zoning, Subdivision, and Wetlands regulations) in Year 1, prepare a draft ordinance in Year 2, and propose the new ordinance for adoption in Year 3. Pending adoption, the ordinance will be enforced in Years 3 through 5. The DPW, Planning Department, and Building Inspector have responsibility for this BMP.

Year 15 Activities

The current Water and Sewer Ordinance has been revised to reflect regulatory mechanisms to address post construction runoff from projects with over one acre in total disturbance. The revised edition was adopted by the City Council as of May 5, 2006.

In permit year 14, the DPW, in conjunction with the Pioneer Valley Planning Commission, applied and was approved for a Efficiency and Regionalization grant for the purpose of reviewing and updating current Town ordinances, including the Construction Runoff Ordinance, Subdivision Regulations, Water and Sewer Regulations. In permit year 15, the PVPC reviewed ordinances from nine municipalities, including Agawam, and recommended changes that will help the Town comply with the new MS4 General Permit. Currently, stormwater regulations are ingrained within the existing Subdivision Regulations and Water and Sewer Regulations. PVPC recommended that the stormwater regulations be removed from the other regulations and a separate Stormwater Ordinance be created.

The Conservation Commission through the Wetland Protection Act continues to regulate activities within and near wetland resource areas. The DPW continues to regulate all other stormwater activities that are connected to the Town's MS4.

Best Management Practice Assessment / Proposed Change

No Change is proposed.

Possible Future Activities

The Town will review the recommendations from PVPC concerning our current ordinances and consider how best to implement them.

5B Site Plan ReviewOriginal BMP Description:

Under the Post Construction Runoff Ordinance (or other regulatory mechanism), applicants with projects with disturbance over one acre will be required to submit stormwater control plans for Town review and approval. Until a new ordinance is adopted (anticipated in Year 3), the Town will continue to review new development and redevelopment plans in accordance with existing regulations. Pending adoption, plans will be reviewed per the new ordinance in Years 3 through 5. The DPW, Conservation Commission, Planning Department, and Building Inspector have responsibility for this BMP.

Year 15 Activities

New stormwater regulations were approved and adopted by the City Council in May of 2006. This ordinance has been implemented by the DPW and continues to be used during the site plan and subdivision review and inspection process. The Conservation Commission through the Wetland Protection Act continues to regulate activities within and near wetland resource areas. The DPW continues to regulate all other stormwater activities that are connected to the Town's MS4.

Best Management Practice Assessment / Proposed Change

No Change is proposed.

Possible Future Activities

As described in Section 5A, the PVPC has assisted the Town with reviewing and updating Town ordinances, including the Construction Runoff Ordinance, Subdivision Regulations, and Water and Sewer Regulations. Any changes made to these ordinances will be incorporated into our Site Plan Review procedure.

The DPW is planning to incorporate Complete Street policies into its ordinances and Site Plan Review process in order to promote more developments with pedestrian and bicycle friendly accommodations, such as bike lanes and shared-use paths. The DPW will also put emphasis on the inclusion of green infrastructure, such as road diets and stormwater infiltration, in new construction projects. The DPW will also promote the use of Low Impact Development (LID) stormwater management techniques.

5C Stormwater System Maintenance PlanOriginal BMP Description:

Under the Post Construction Runoff Ordinance (or other regulatory mechanism), projects with disturbance over one acre will be required to include a program outlining enhanced procedures for long term operation and maintenance of stormwater facilities. Until a new ordinance is adopted (anticipated

in Year 3), the Town will continue to require stormwater facility operation and maintenance in accordance with existing regulations. Pending adoption, additional operation and maintenance requirements for stormwater facilities to be constructed as part of new development and redevelopment projects will be enforced in Years 3 through 5. The DPW, Planning Department, and Building Inspector have responsibility for this BMP.

Year 15 Activities

As documented during permit year 4, new ordinance requirements including drainage system maintenance of private sites had been adopted by the City Council. All new and redevelopment plans will continue to require maintenance activity schedules as part of the site's Stormwater Permit to the DPW.

Due to a lack of funding and man power, the DPW has had difficulty continuing with its detention pond inspection program. The DPW continues to assist in the maintenance of some privately owned detention ponds in the Town as time and budget allows. However, there are many detention areas throughout town which still require significant repair, including areas identified as needing significant town assistance with maintenance. Three detention ponds have been identified as town owned and continue to be maintained by the DPW.

In Year 6, the DPW had unsuccessfully proposed a stormwater utility fee for all residents and private sites in Town to offset the increased costs resulting from both the maintenance of the municipal stormwater system and continued compliance with the NPDES regulations and the Six Minimum Control Measures in the MS4 General Permit.

A copy of the previous utility fee proposal can be located in the Permit Year 6 Report.

In permit year 15, the task force worked with the consulting firm of Wood Group to conduct research for a stormwater utility fee. Over the course of 6 meetings, the task force discussed past and current funding available for stormwater maintenance, necessary repairs to the drainage system, known areas of flooding, and options for a billing rate structure for the utility fee. The task force was also involved in public outreach and held additional meetings focused on open discussions with Town leaders, senior citizens, members of the clergy and local business owners. Amec Foster Wheeler is in the process of summarizing the findings of the task force to present to the Mayor and City Council. Until the utility fee is approved, the DPW will continue to maintain the public stormwater system (including outfalls, publically owned detention ponds, pipes, catch basins, culverts, drain manholes, etc.) as much as the budget will allow. The DPW has provided a list of stormwater maintenance and repair projects completed in Year 11 is included in Appendix 6C.

Best Management Practice Assessment / Proposed Change

No change is proposed, pending the soon to be updated General Permit Requirements.

Possible Future Activities

The DPW will present the findings of the advisory task force to the Mayor and the City Council. If approved, the DPW will work to develop a comprehensive stormwater utility fee including a rate structure and possible credits for residents and businesses. The DPW will also create a priority list of stormwater projects to be funded by the utility fee.

If the stormwater utility is approved, the DPW would work to improve the overall municipal stormwater system. This would include improving the work needed to meet or exceed the six minimum control measures in the MS4 Permit and any new regulations that may be required. Also, the DPW would then take on the responsibility of ensuring that all drainage detention areas located within town easements are properly maintained and in the originally proposed working condition. (Currently, this responsibility typically falls upon the property owner).

As described in Section 5A, the PVPC will be assisting the Town with reviewing and updating Town ordinances, including the Post Construction Runoff Ordinance. Any changes made to the ordinance will be incorporated into Town's Stormwater System Maintenance Plan.

MINIMUM CONTROL BEST MANAGEMENT PRACTICES**SECTION 6 GOOD HOUSEKEEPING / POLLUTION PREVENTION****6A Municipal Maintenance Activity Program**Original BMP Description:

The Town will develop a program to outline procedures associated with maintenance of open spaces and parks, vehicular fleets, Town-related construction activities, roads, and storm sewer system. The Town will evaluate existing municipal procedures, modify any procedures if needed, and prepare the program plan in Year 1. The Town will continue to monitor compliance and revise policies as necessary in Years 2 through 5. The DPW will have the responsibility for this BMP.

Year 15 Activities

The DPW continues to work closely with the Conservation Commission to ensure that all open spaces, parks, town-related construction activities, roads and storm sewer systems are properly maintained and erosion control BMPs are properly implemented.

In permit year 12, the DPW purchased a Boom Flail Mower using Chapter 90 funding. This mower is sometimes used to mow vegetation in detention ponds.

In permit year 13, the Town Dog Park was opened to the public. Pet waste stations were placed throughout the park and the Dog Park Rules are posted outside the entrance of the park, which includes that dog owners must immediately clean up any dog waste. The Dog Park Association and the Agawam Grounds Department work together to make sure that the park is cleaned of all pet waste twice a week during the times the park is open to the public.

In permit year 14, the DPW awarded a contract to Air Sweep of West Springfield to perform street sweeping from 2017-2019. Also, J.R. Sweeping of Agawam was hired to provide street sweeping services during construction activities, such as road paving and water break repairs. J.R. Sweeping will also perform catch basin cleaning and disposal of collected waste material in 2017.

Best Management Practice Assessment / Proposed Change

Any changes to this BMP are pending the final version of the updated NPDES Phase II Small MS4 General Permit Requirements.

Possible Future Activities

Future activities are pending the final version of the updated NPDES Phase II Small MS4 General Permit Requirements. The Town is planning to purchase a Heavy Duty

Vactor Truck for catch basin cleaning and a street sweeper through the Capital Improvement Program.

6B Training of Municipal Employees

Original BMP Description:

Municipal employees performing activities under the new Municipal Maintenance Activity Program (BMP #6A) will be informed of new good housekeeping policies and procedures. This will occur pending adoption of the Program in Year 1. DPW employees will also be informed of the Stormwater Pollution Prevention Plan requirements for the DPW and Transfer Station, as applicable. Initial training will be given in Year 2. An Annual Refresher in the form of a seminar or memorandum will be given each year for Years 3 through 5. The DPW has responsibility for this BMP.

Year 15 Activities

During permit year 15, DPW department foremen, engineers and environmental staff members attended two trainings, "Good Housekeeping" and "Illicit Discharge Detection and Elimination". Both trainings were videotaped with the expectation DPW's will use them for annual trainings with new and existing staff. The Agawam DPW will be setting up a training schedule for existing staff to begin the Good Housekeeping training.

Throughout the year, the DPW's work is inspected by both the Engineering Division and the Conservation Commission (when applicable). If any work is unsatisfactory, the DPW is informed of which BMP's need to be implemented for that work and any future projects.

As new employees are hired in the Motor Vehicle Maintenance Department, they are trained and have yearly reviews regarding the weekly inspection of State II Vapor Recovery and Gasoline Dispensing Facilities. One new employee was hired during permit year 15, currently in training on weekly inspection requirements and tracking.

All employees in the Engineering Division attended the Moving Together Conference held in Boston, MA in September, 2017. The purpose of the conference was to highlight the most current topics concerning pedestrian, bicycle and public transportation. The conference presented an opportunity to network with employees of other municipalities as well as members of the private sector. The Town Engineer and one other employee of the Engineering Division attended a seminar at the MassDOT Innovation & Mobility Exchange titled "MassDOT Flood Resiliency Planning for Rivers and Streams". This seminar focused on using GIS tools to estimate stream power in order to evaluate the flooding resiliency of bridges, culverts and roads.

Two employees of the Engineering Division attended a seminar hosted by PVPC for the purpose of discussing training modules for municipal employees focusing on Illicit Discharge Detection and Elimination.

Grounds and Maintenance employees renewed their pesticide application certification licenses in December 2017

See Appendix 6B

Best Management Practice Assessment / Proposed Change

No changes at this time unless required by the soon to be updated General Permit Regulations.

Future Activities

The DPW will continue to educate town employees on Pollution Prevention and Good Housekeeping Practices for Municipal Operations. It is expected the first round of training regarding

The DPW is planning to incorporate Complete Street policies into its ordinances and Site Plan Review process in order to promote more developments with pedestrian and bicycle friendly accommodations, such as bike lanes and shared-use paths. The DPW will also put emphasis on the inclusion of green infrastructure, such as road diets and stormwater infiltration, in new construction projects. The DPW will also promote the use of Low Impact Development (LID) stormwater management techniques.

6C Catch Basin Cleaning Program

Original BMP Description:

The Town will develop a program with prioritized areas for catch basins in the urbanized area in Year 1. The Town will continue to monitor compliance and revise policies as necessary in Years 2 through 5. The DPW will have the responsibility for this BMP.

Year 15 Activities

Currently, the DPW does not have the necessary equipment to routinely clean catch basins. In the event of an emergency, DPW workers can manually clean catch basins with hand tools.

Funding was available in permit year 15 to hire services of an outside company to clean 102 catch basins. In addition, the DPW made repairs to 29 additional catch basins.

See Appendix 6C

Best Management Practice Assessment / Proposed Change

The town will utilize available funds in order to best comply with the catch basin cleaning requirements of the General Permit. The DPW is constantly updating our list of catch basins to be cleaned. Priority shall be given to catch basins within environmentally sensitive areas and locations with a history of flooding problems.

Possible Future Activities

The DPW will continue to seek dedicated funds for catch basin cleanings in upcoming years. The DPW is working to input the data for catch basin cleaning into GIS so that an updated catch basin cleaning priority area list can be made.

The Town is planning to purchase a Heavy Duty Vector Truck for catch basin cleaning through the Capital Improvement Program.

6D Street SweepingOriginal BMP Description:

The Town will sweep all streets in the urbanized area once each year. The DPW has the responsibility for this BMP, which will be utilized for Years 1 through 5.

Year 15 Activities

During permit year 15, the DPW completed street sweeping in the following areas:

- 70 curb miles of roadway between April 1, 2016 – April 1, 2017
- Additional sweeping included
 - Water break clean up of soil and salt
 - Street sweeping prior to paving operations

During the winter of 2008-2009, the DPW made an economical and environmental decision to eliminate sand from their roadways and apply "Liquid Magic" to their rock salt. Liquid Magic is non-corrosive, completely biodegradable, and releases far less chlorides into the environment than either plain rock salt or calcium chloride. With the elimination of sand, the DPW has found the streets to be much cleaner in the spring thus helping with the reduction of sweeping needed.

Best Management Practice Assessment / Proposed Change

The town will continue to sweep priority areas as funding is available.

Possible Future Activities

The Town is planning to purchase a street sweeper through the Capital Improvement Program.

Any additional changes are pending the soon to be updated General Permit Requirements.

6E Pest Control / Landscaping and Lawn Care

Original BMP Description:

The Town will evaluate the use of toxic chemicals in Year 1 and continue to contract with licensed applicators only in Years 2 through 5. The DPW has the responsibility for this BMP.

Year 15 Activities

The DPW continues to provide maintenance services to Municipal Parks, Golf Course, and Schools. The application of fertilizers and pesticides are under the supervision of licensed pesticide applicator, thus the chemicals are used appropriately and the over-use of chemicals is avoided. The maintenance of the golf course includes the continued use of organic practices where appropriate.

During permit year 10, 3.2 acres of Lacrosse fields at School Street Park transitioned from chemicals to organic lawn care under the TURI grant. In permit year 13 the town expanded this practice to include 4.10 acres of Soccer fields. In permit year 14, the DPW expanded organic lawn care practices to include Borgatti Park, an additional 6.34 acres of grassed area.

The DPW continues to use organic lawn care at all transitioned athletic fields.

Best Management Practice Assessment / Proposed Change

DPW will continue to maintain previously transitioned areas with organic lawn care practices and products.

Possible Future Activities

Proposed future activities are pending the rewritten General Permit Requirements and the inclusion of additional town departments.

6F Stormwater Pollution Prevention Plan / MSGPOriginal BMP Description:

A Stormwater Pollution Prevention Plan (SWPPP) will be implemented for the DPW facility under the EPA Phase II Stormwater Program Multi-Sector General Permit (MSGP). The DPW has the responsibility of this BMP, which will be utilized for Years 1 through 5.

Year 15 Activities

It is our understanding that as of this report date; the proposed 2013 Multi-Sector General Permit (MSGP) published by EPA has not been finalized. A Spill Prevention Control and Countermeasure Plan (SPCC) has been in-place for the DPW maintenance facility since November 29, 2001. A SPCC Plan was received from the consultants at Tighe & Bond and signed by the DPW Superintendent, in accordance with the requirements of the U.S. EPA Oil Pollution Prevention Regulations (40 CFR Part 112.7). The Town's SPCC Plan describes oil storage at the facility and appropriate procedures, methods and equipment used to control and document oil spills and to prevent spills from reaching surface waters. In addition, the Plan includes recommendations to upgrade the facility in areas where existing oil spill prevention, control and countermeasures are inadequate. The Town's future MSGP compliance program, specifically a stormwater pollution prevention plan, is anticipated to incorporate components of the SPCC Plan. See Appendix 6F of the 2008 Annual NPDES Report for an outline of the SPCC Plan.

In year 12, The DPW renewed its SPCC plan. The Town is currently working to create a stormwater team that would include representatives from each of the municipal buildings.

Best Management Practice Assessment / Proposed Change

The DPW operations procedures have been implemented at the new DPW facility. During the summer/fall of 2008, a new salt/sand storage structure was built at the new facility. All winter operations have since moved to the new facility. The DPW received an updated SPCC plan and environmental audit from Tighe & Bond in Year 5. See Appendix 6F of the 2008 Annual NPDES for documentation.

Future Activities

Modify the SPCC plan as needed pending the soon to be updated General Permit Requirements. The Town is looking into a possible grant funding for the installation of rain gardens and similar stormwater treatments on Town owned parcels. Rain gardens have already been installed in the School Street Park and are proposed for phase 2 of that project which is currently under construction.

6G Used Oil RecyclingOriginal BMP Description:

The Town currently collects used oil for proper disposal and recycling. The Town will continue to offer Used Oil Recycling year-round in Years 1 through 5. The DPW has the responsibility for this BMP.

Year 15 Activities

The town continues to provide the residents a local drop off location for used motor oil.

In 2017, 1950 gallons of used motor oil were collected at the DPW Town Garage.

Best Management Practice Assessment / Proposed Change

No changes at this time.

Possible Future Activities

The town will continue to provide residents with a drop off location for used motor oil and car batteries at no charge.

6H Hazardous Waste CollectionOriginal BMP Description:

The Town will continue its annual Hazardous Waste Collection Day subject to funding. Every fall, the Town publicizes the collection day through newspaper ads and radio and television ads. The DPW will continue to have the responsibility for this BMP, which will be utilized in Years 1 thru 5.

Year 15 Activities

The Town hosted its annual Household Hazardous Waste Collection day in the fall of 2017. 155 vehicles dropped off Hazardous Waste, rather than disposing of it in the trash or catch basins. In addition to the annual HHW Day, the DPW continues to collect used car batteries, used motor oil and mercury bearing waste by appointment.

The town continues to store illegally dumped items dropped along the roadsides as well as chemicals from residents moving prior to HHW Day in metal safety storage cabinets.

Best Management Practice Assessment / Proposed Change

The town has met it's obligation to provide a HHW event and alternative disposal options to residents.

Possible Future Activities

The town will continue to provide proper disposal options to the residents as funding is available.

MINIMUM CONTROL BEST MANAGEMENT PRACTICES**7A TMDL for the Connecticut River**Original BMP Description:

According to the Massachusetts Year 2002 Integrated List of Waters, Connecticut River is designated as Category 5 "Waters requiring a TMDL". The targeted pollutants are priority organics, pathogens, and suspended solids. Sources of priority organics may include but are not limited to: road surfaces, inadequate fueling areas or practices, illegal dumping. Sources of pathogens may include but are not limited to: pet waste, winter road maintenance materials, illicit sewer discharges, and failing septic systems. Sources of the suspended solids may include but are not limited to: lawn care products, litter, winter road maintenance materials, erosion from construction activities, and illicit sewer discharges. The Stormwater Management Program includes many BMPs to address reduction of contaminants from these sources under all Six Minimum Control categories. The City will implement these BMPs under the responsible department and timeframes as previously described.

Year 15 Activities

All previously described Best Management Practices address the TMDL of the Connecticut River.

Best Management Practice Assessment / Proposed Change

The Connecticut River has many contributing factors to cause the need for the TMDL designation. Agawam, along with other community's efforts within Massachusetts, will contribute to improvements in this major river's water quality. Agawam participates in the Connecticut River Clean-up Committee's Stormwater subcommittee and the Westfield River Watershed Steering Committee.

Possible Future Activities

The future activities within the Town of Agawam's Stormwater Management Plan will be implemented as funding and other resources will allow.

APPENDICES

Preventing Stormwater Pollution

A Food Industry Guide

There is a big difference between a sanitary sewer and a storm drain.

The **sewer system** takes all wastewater from toilets, sinks and showers to a wastewater treatment facility, where the water is treated before it is discharged to a water body.

The **storm drain system**, on the other hand,

collects rainwater from city streets and urban areas to prevent flooding. Unfortunately, chemicals, oil, trash and other debris that have been spilled accidentally or intentionally can also enter the storm drain system. The water from storm drains typically flows untreated to a nearby stream, river or other water body, causing water pollution.



Storm Drain / Catcher outlet



Storm Drain Outfall

Stormwater Pollution causes erosion, habitat degradation, and poor water quality, impacting commercial and recreational fishing, swimming, and boating.

Dumping waste onto the street is a large contributor of water pollution in the country and it is against the law.

Your business can help protect the Connecticut River and other local water resources by adopting Best Management Practices (BMPs) – simple, inexpensive and environmentally friendly ways to prevent water pollution.



In most communities, dumping waste into the storm drain is punishable by fines.

Sources of Pollution

- Dumpster and loading dock area maintenance
- Equipment cleaning
- Grease handling and disposal
- Landscaping and grounds maintenance

Pollutants Include

- Bacteria
- Organic materials (food wastes)
- Trash
- Oil and grease
- Toxic chemicals (cleaning products, disinfectants)

Only Rain Down the Drain

- Make sure all pipes inside the business are connected to the sewer system, not the storm drain system.
- Label all drains within the facility boundary as sewer or storm drain, and explain to employees the difference between the sewer and storm drain system.
- Use dry methods for spill cleanups.
- Pour rinse water into drains connected to the sewer, not the storm drain system.
- Never clean equipment outside where water may flow to an unprotected storm drain.
- If floor mats are too big to clean indoors, contract with a mat cleaning service or clean in an area that drains to the sewer.
- For outside eating areas:
 - Sweep or vacuum daily.
 - Cover storm drain before wet cleaning, such as pressure washing.
 - Collect wash water and dispose of in a sewer, not a storm drain.
- Keep dumpster areas clean and prevent liquid leaking.
- Don't hose out dumpsters. Call your solid waste hauler when your dumpster is leaking or in need of cleaning or repair.

Manage Grease Waste

- Install a grease trap or interceptor.
- Clean grease trap regularly.
- Make sure grease bins are tightly closed and on level ground.
- Recycle grease and oil. Do not contaminate the recyclable oils and grease in the tallow bin with the waste grease from the grease trap or grease interceptor.
- Keep grease that is stored outside contained under a roof.
- Contract with a grease hauler to regularly service and empty your grease waste.

Prevent Toxic Waste Pollution

- Use non-toxic cleaners. Purchase commercially available alternatives or make your own cleaning solutions. www.eartheasy.com/live_nontoxic_solutions.htm
- Dispose of detergents and toxic waste properly, including used cleaners and rags (soaked with solvents or conventional floor cleaners).

Clean Up Spills

- Stockpile spill cleanup materials where they will be readily available.
- Spot clean leaks and drips routinely.
- Clean leaks, drips and spills with as little water as possible. Use rags for small spills, a damp mop for general cleanup, and dry absorbent material for larger spills.
- Remove the absorbent materials and dispose of properly.
- Keep the spill from entering streets, gutters and storm drains.
- Do not use bleach or disinfectants if there is a possibility the rinse water could flow to streets, gutters, or storm drains.

Train Employees

- Train employees on proper spill containment and cleanup procedures.
- Train all new employees and conduct annual refresher training.
- Use a training log to document training.

For More Information Check Out...

*What's Cookin? Eating and Drinking Establishments:
Stormwater Best Management Practices*
www.projectcleanwater.org/pdf/food_guide-final.pdf

For more information on preventing stormwater pollution
log onto www.ThinkBlueMA.org



Preventing Stormwater Pollution

A Guide for Businesses

There is a big difference between a sanitary sewer and a storm drain.

The **sewer system** takes all wastewater from toilets, sinks and showers to a wastewater treatment facility, where the water is treated before it is discharged to a water body.

The **storm drain system**, on the other hand,

collects rainwater from city streets and urban areas to prevent flooding. Unfortunately, chemicals, oil, trash and other debris that have been spilled accidentally or intentionally can also enter the storm drain system. The water from storm drains typically flows untreated to a nearby stream, river or other water body, causing water pollution.



Storm Drain / Catch Basin

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Your business can help protect the Connecticut River and other local water resources by adopting Best Management Practices (BMPs) – simple, inexpensive and environmentally friendly ways to prevent water pollution.



Storm Drain Outfall



In most communities, dumping waste into the storm drain is punishable by fines.

Only Rain Down the Drain

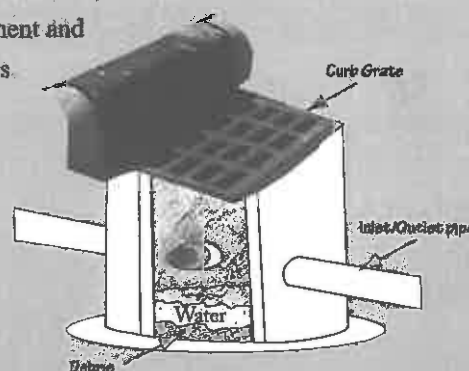
- Never dispose of any wastewater down the storm drain. Use the sewer or local recycling center.
- Sweep up trash instead of using a hose.
- Use non-toxic products for cleaning. Make your own general purpose cleaner with vinegar and baking soda: http://www.earteasy.com/live_nontoxic_solutions.htm
- Maintain a clean and orderly work environment - keep your property free of trash, oil, grease, etc. Soak up leaks and spills from vehicles and machinery with an absorbent material such as kitty litter or sand and dispose of properly.
- Stencil storm drain inlets and catch basins with a "No Dumping" message and inspect and maintain them regularly.
- Train employees on good housekeeping practices and pollution prevention.
- Carpool with co-workers and make sure vehicles are maintained to avoid leaks.
- Wash your vehicles at a car wash that recycles water (ask your car wash if they do), or wash on a lawn so the soapy water does not flow directly to the storm drain.

In the Winter

- Use sand and salt to protect against icy conditions, but use only what is needed. Consider sweeping up sand between storms and reusing it.
- If you use de-icing agents, follow the manufacturer's instructions and use as sparingly as possible.
- Do not sweep sand into the street or into storm drains.
- Do not store or dump snow or sand into or near streams.
- Store snow on land where contaminants and debris can be gradually released, contained or collected. Pile snow on grass areas or other porous surfaces where there is at least 30 inches of soil, and as far away from storm drains as possible.

In the Fall

- Do not rake leaves into catch basins or storm drains.
- Consider chopping up leaves and using them as mulch for planting beds and around shrubs.
- When using fall fertilizers, use as sparingly as possible following the manufacturer's instructions. Do not apply fertilizers between November and April.
- Remove all trash and debris from catch basin or storm drain.
- **Clean Your Catch Basin!** Inspect your catch basin and, if needed, remove sediment and leaves.



Spring and Summer

- Avoid or minimize use of pesticides, herbicides, and fertilizers. Seek alternative pest control methods. However, when used, follow manufacturer instructions and keep out of drainage paths.
- Choose native plants and grasses. They require less water, fertilizer and pesticides.
- Compost or recycle yard waste when possible.
- After the last snow, be sure to **Sweep in the Spring!** Remove sand and other debris.
- **Clean Your Catch Basin!** Remove winter sand from basin sumps.



For more information on preventing stormwater pollution log onto www.ThinkBlueMA.org

Preventing Stormwater Pollution

An Automotive Industry Guide

There is a big difference between a sanitary sewer and a storm drain.

The **sewer system** takes all wastewater from toilets, sinks and showers to a wastewater treatment facility, where the water is treated before it is discharged to a water body.



Storm Drain / Catch Basin

The **storm drain system**, on the other hand, collects rainwater from city streets and urban areas to prevent flooding. Unfortunately, chemicals, oil, trash and other debris that have been spilled accidentally or intentionally can also enter the storm drain system. The water from storm drains typically flows untreated to a nearby stream, river or other water body, causing water pollution.



Storm Drain Outfall

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In most communities, dumping waste into the storm drain is punishable by fines.

Only Rain Down the Drain

- Never discharge wash water or toxic materials such as antifreeze, waste oil, used solvents, or paints to a storm drain or water body.
- Use commercial car washers, or wash vehicles on a lawn so the soapy water does not flow directly to a storm drain.
- Use biodegradable soaps.
- Develop a wash water recycling system.
- Use an oil/water separator.
- Inspect damaged vehicles for fluid leaks, and use drip pans or absorbent materials to clean up leaked materials.
- Store materials and waste such as fuels, solvents, batteries, and oils off the ground and in areas where they will not be exposed to rainwater.

Conduct a Facility Audit

- Inspect your business for illegal flow drain connections that may convey pollutants to the storm drain system or receiving waters.
- Label drains within the facility boundary to indicate whether they drain to the sewer or storm drain system. Mark these locations on a facility map.
- Review all activities to identify where Best Management Practices can be used.
- Document any corrective action taken after your audit.

Manage Vehicle Fluids

- Whenever possible, drain vehicle fluids indoors and only over concrete floors.
- Use drip pans or other containers to contain spills.
- Take precautions to prevent spills. Transfer waste fluids to a labeled waste storage container as soon as possible.
- Provide drip pans under stored vehicles and those with known leaks.
- Regularly transfer fluids from drip pans to designated waste storage areas.
- Store vehicle fluids in separate, sealed, leak-proof containers.

Train Employees On...

- The difference between the sewer and storm drain systems.
- Where facility storm drains are located.
- Pollution prevention and disposal of hazardous wastes.
- Spill response and cleanup.

Engine and Parts Cleaning

- Designate specific areas in your service bays for parts cleaning. Do not wash or rinse parts outdoors.
- Use aqueous cleaning solutions instead of solvents when ever possible. Recycle used solutions through a licensed hazardous waste hauler.
- Avoid using hose-off degreasers. Never allow runoff to enter the storm drain system. Instead, brush off loose debris and use damp rags to wipe down parts. Manage used rags through a rag service or as hazardous waste.
- Clean parts in self-contained sinks or drum units when working with solvents. Inspect part washing units daily for leaks and repair immediately.
- Allow parts to drain over the solvent sink or drum, rather than allowing the solvents to drip or spill onto the floor. Never discharge the rinse solution into the sewer system.

Body Repair and Painting

- Allow wet sanding debris to dry overnight on the shop floor and sweep or vacuum it the next day. Liquid must not be discharged to the storm drain system.
- Use sanders with an attached vacuum system to capture dust at the source.
- Conduct painting only in approved, enclosed areas equipped with vacuum hoods and filters.
- Minimize paint and thinner waste by carefully calculating paint needs based on surface area and by using the proper sprayer cup size.
- Collect water used to control over-spray or dust in the paint booth and recycle or dispose of it properly. Clean spray guns in a self-contained unit and recycle or properly dispose of the cleaning solution.
- Call MassDEP at 413-784-1100 for additional information and the permit requirements for spray booths, coatings, and emissions. For more information, visit: <http://www.epa.gov/ne/auto/index.html>.

Practice Good Housekeeping

- Use dry methods to regularly clean work areas. Sweep or vacuum shop floors. Use mats instead of hosing floors.
- Don't pour mop water onto paved areas.
- Regularly inspect oil/water separators on catch basins.

For More Information Check Out...

The Green Wrench Guide Stormwater Best Practices for the Automotive Industry

www.projectcleanwater.org/pdf/green_wrench_guide-final.pdf



For more information on preventing stormwater pollution log onto www.ThinkBlueMA.org

Appendix 1B

Year 15

Classroom Education

Brief Professional History



Jack started his performing career in 1983 after training with Tony Montanaro, renowned mime master and stage director. During the next three years he worked on the New England Vaudeville circuit and then joined the world famous Pickle Family Circus of San Francisco. As lead clown, he juggled, balanced and mimed his way across the western United States, delighting audiences in countless theaters, including the esteemed Palace of Fine Arts.

In 1986 he returned to Massachusetts and became a founding member of the Wright Brothers, a New Vaudeville touring company. The Wright Brothers were widely acclaimed and performed on many

prestigious stages, including Lincoln Center in New York City and at the International Mime and Clown Festival at the Annenberg Center in Philadelphia where they won the "Best of Festival" award.

After a few years, Jack started performing as a solo artist and decided to add an educational component to his performances. In 1989 he embarked on an illustrious career of "entertainment with a purpose". Since that time has created, produced and performed seriously funny shows on a variety of topics including, solid waste ("Garbage Is My Bag"), litter prevention ("A Litter Bit Goes a Long Way") and water conservation and quality ("Water, Water Everywhere").

In 1990 he was selected from a nationwide search to write and perform

the major educational component for the City and County of San Francisco's Recycling Program. Over the next 4 years he presented over 200 shows throughout the city in award winning recycling education project.

For over two decades Jack has been traveling across the country bringing his environmental message, carefully wrapped in comedy to schools, festivals, theaters and conferences. He has been featured on the cover of the Weekly Reader magazine

and Charles Osgoods "The Osgood Files" radio show. He has also won the EPA Administrators Award for Solid Waste Education.

Jack is on the New England Foundation of the Arts (NEFA) Touring Roster as well as other performing arts rosters in Kentucky, South Carolina and North Carolina. He has been a member of the faculty at the School of Theater & Fine Arts at Boston University, and Instructor of "Clown Theater" at Univ. of Mass., Amherst, MA

In addition to his professional credentials, he is a member of the National Recycling Congress, Mass Recycle and various other environmental organizations. He is also on the board of director of the Franklin County Community Meals Program, and chairman of the Leyden (MA) Zoning Board of Appeals.

He lives on a hilltop in western Massachusetts with his wife Lisa and his old cat Moses.

Testimonials

In all my years as a school administrator your performance rates as the best. My students and staff still rave about the show and some of the parents commented that their children came home very excited about the program and its' message.

- Thomas Sullivan, Principal, Lynch School, Springfield, OH

"Garbage Is My Bag is an excellent program. It was educational and fun, the two main characteristics we strive for in our public presentations. Dr. T is a great spokesman for the environment"

- Mary Jane Engel, Museum of Science, Boston MA

"Water Water Everywhere was a huge hit at our festival. Your dedication and enthusiasm for educating children are evident in your performance. You are a pleasure to work with, thank you."

- Suki Janssen, Keep Georgia Beautiful
I would like to thank Ben and Jerry's for sponsoring Jack Golden. Thanks to you he was able to perform at our school and what a performance it was!!

- Peter Hunt, Principal, Hiawatha ES, Essex Jct. VT

Read more...

Water Water Everywhere

Meet Brook Rivers, he's all about water...

Water Water Everywhere is a colorful and creative voyage through the wondrous world of water, with the comedic character Brook Rivers at the helm. The show takes students through wetlands, water molecules and storm drains, as they learn facts about one of the most valuable resources on earth: clean water.

Brook Rivers delivers his serious message in a fun filled way that students and teachers will love. Equal parts theater, magic, circus and good humor, **Water Water Everywhere** is designed for grades K-8. This performance will delight and enlighten audiences, as they learn about water cycles, conservation, point and non-point source pollution and more.



The show presents children with rewarding and important ways that they can directly contribute to protecting our water resources. The goal of the program is to strengthen new attitudes and responsibilities toward our common resources. **Water Water Everywhere** was voted "Best of Fest" at the Georgia Water Festival 6 years in a row!

Jack Golden, creator of **Water Water Everywhere** has been a professional variety artist since 1981. He's performed with the world-famous Pickle Family Circus of San Francisco and the award-winning "New Vaudeville" comedy troupe, The Wright Brothers.

Science and Theater

In addition to strengthening the attitudes of young people towards the environment, **Water Water Everywhere** is also a piece of theater and using the power of live performance students will experience how theater in particular and the Arts in general can be used to communicate and express ideas in dynamic and compelling ways. Because the program is funny and light hearted, it provides an environment conducive to learning. Laughter can be a surprisingly effective teacher. **Water Water Everywhere** is designed to meet many national and state learning standards for science and environmental studies. **Water Water Everywhere** is also aligned with various national theater and arts standards.

Workshops in physical theater including acting, mime, juggling, improvisation and circus skills are available. These workshops focus on using these skills to communicate environmental messages.

Some Details

Show length:

40-45 minutes (In school)

55-65 minutes (Theater)

Shorter times are available for festivals

Set up:

45-60 minutes (School)

75-90 minutes (Theater)

Audience size:

350-400 School *

Appendix 1D

Year 15

Community Website

Citizen Stormwater Advisory Task Force

The purpose of the Stormwater Task Force is to explore the stormwater management program for the Town of Agawam and identify its major needs, priorities, and costs. The costs for the stormwater program are going to increase in the next few years to address known problems, aging infrastructure, and increases in the U.S. EPA NPDES MS4 Permit requirements to develop a more comprehensive stormwater management program.

Currently, stormwater costs are funded through the general fund (taxes). Another approach is to fund stormwater related expenses by treating the stormwater system like a utility (such as a water or sewer utility) with a dedicated enterprise fund and revenue from user fees. The current study "Town of Agawam Stormwater System Assessment and Utility/Fee Planning Project" is intended to explore this funding approach through a series of meetings with the Task Force.

At the bottom of the page are materials and summaries from the regular Task Force meetings. These meetings are open to the public with four future meetings planned, as well as two or three broader public meetings before the end of 2017. The purpose of these meetings is to present the stormwater program's needs to the community and listen to their comments and suggestions.

To get updates about this webpage and upcoming meetings notifications, please sign up via [Notify Me.](#)

Members of the Stormwater Advisory Task Force are:

- Christopher Golba - DPW Superintendent
- Christopher Johnson - City Council
- Dave Jenks - Six Flags New England Facilities Manager
- Henry Kosloski - Conservation Commission
- Herbert Holl - Resident
- James Cichetti - City Council
- Mario Tedeschi - Allied Flooring and Paint
- Michelle Chase - Town Engineer
- Reverend Rob Donaldson - Feeding Hills Congregational Church
- Robert Rossi - City Council
- Susan Dawson - Former Mayor

Agawam Stormwater System - Information Reporting Map

Reporting Map



Instructions:

1. Once you open the web page, click OK to begin.
2. Hover your pointer over the functions at the bottom of the screen.
3. The first icon is used to add information.
4. Click on the "Add Information" icon.
5. Choose one of the topics that best fits the stormwater issue or information that you wish to add.
6. Click the location on the map.
7. Use the drop-down menus to populate the information. Provide additional description if necessary.
8. Name and contact information is optional and attachments (photos) are helpful.

Task Force Meeting Materials and Summaries

Meeting #1 - April 26, 2017

- [Agenda - Stormwater Task Force Meeting #1.pdf](#)
- [Notes - Stormwater Task Force Meeting #1.pdf](#)
- [Presentation - Stormwater Task Force Meeting #1.pdf](#)

Meeting #2 - June 7, 2017

- [Agenda - Stormwater Task Force Meeting #2.pdf](#)
- [Presentation - Stormwater Task Force Meeting #2.pdf](#)
- [Notes - Agawam TF Mtg 2 Summary 6-08-17.pdf](#)

Press Release - June 15, 2017

- [SW Funding Press Release - Final 6-9-17.pdf](#)

Meeting #3 - June, 28, 2017

- [Agenda - Meeting #3.pdf](#)
- [Presentation - SW Task Mtg 3 6-28-17.pdf](#)
- [AMECFW Funding Policies 6.21.17.pdf](#)
- [Updated Agawam TF Mtg 3 Summary 6-28-17.pdf](#)

Stakeholder Workshop - September 25, 2017

- [Stakeholder Workshop.pdf](#)
- [Final Agawam Presentation, 9-25-17.pdf](#)
- [Final Agawam Public Mtg 1 Summary 9-25-17.pdf](#)

Press Release - September 27, 2017

- [SW Funding Press Release - 9-27-17 Final.pdf](#)

Meeting #4 - October 11, 2017

- [Agenda Meeting #4.pdf](#)
- [Final Agawam SW Task Mtg 4, 10-11-17.pdf](#)
- [Agawam Credit Backgrounder.pdf](#)
- [Final Agawam TF Mtg 4 Summary 10-11-17.pdf](#)

Meeting #5 - November 29, 2017

- [Agawam TF Agenda Meeting 5.pdf](#)
- [Draft Agawam Stormwater Utility Ordinance.pdf](#)
- [Final Agawam SW Task Mtg 5, 11-29-17.pdf](#)

Workshop for Businesses - January 16, 2018

- [Agawam Business Mtg. Agenda, 1-16-18.pdf](#)
- [Final Agawam Business Presentation, 1-16-18.pdf](#)

Meeting #6 - February 6, 2018

- [Agenda Meeting #6.pdf](#)
- [Final Agawam SW Task Mtg 6, 2-6-18.pdf](#)

Appendix 1E

Year 15

Newspaper Press Releases

Heated discussion over solar farm law as neighbors fight loss of farmland

By Michael J. Sullivan
msullivan@tribune.com

Planning Board Chairman Mark Paskiegepoulos had his hands full keeping the discussion on topic last Thursday.

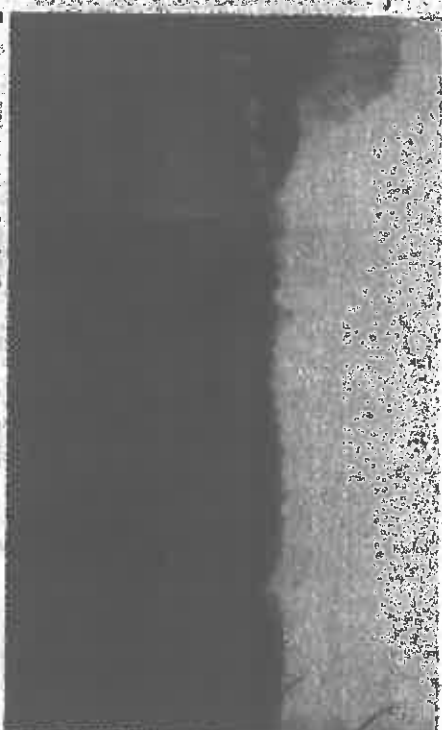
The board was supposed to be talking about a proposed zoning ordinance to restrict solar farms to industrial zones only. But residents of Kosak Court and Tobacco Farm Road, off South West Street in Reading Hills, only waited to talk about the 20-acre solar farm proposed on agricultural land in their neighborhood. They might as well. If the or-

distance passes before the solar farm is approved, town officials believe it would prevent the planned Eversource project from being built. And last month, the Planning Board explicitly voted to table Eversource's application in order to give the ordinance time to pass.

"We are not against solar energy," project abutter Carl Pinetola said at this week's City Council meeting. He said he and other Kosak Court residents are, however, "against massive industrial-sized solar installations in residential agricultural areas of the

SOLAR 1 page 7

Eversource's proposed solar farm property sits directly across the street from more than half a dozen homes on Kosak Court, a residential lane off South West Street.



Interview candidates for superintendent. At a special meeting this Wednesday, they reviewed the applications of five individuals. Four of the five received enough votes to move forward to be interviewed as first-round candidates. The meeting was held one week after the Feb. 26 deadline to apply for the position.

The four candidates are:

- William Collins, former principal at William Norris School in Southampton. He was approved with a unanimous vote as a candidate.
- Gina Flanagan, principal at East Longmeadow High School. Her application was approved 6 to 1, with Diane Juzba voting no.

SEARCH 1 page 6

FEDERAL MANDATE

Task force considers stormwater fees

By Gregory A. Seibell
gseibell@tribune.com

A task force is looking into how Agawam will pay for costly upgrades to its storm drains.

The town is facing a five-year deadline to comply with new federal regulations to map, test and clean its catchbasins and stormwater conduits. The requirement is an Environmental Protection Agency mandate that applies to all cities and towns, some of which have announced they will enact new fees or taxes to fund the work.

Mayor Richard Gahm said Monday that the task force has

appointed is working with a consultant, through a grant from the Pioneer Valley Planning Commission, to assess the need for a stormwater enterprise fund — to collect fees from property owners with paved surfaces that direct rainwater to the town's storm drains — or consider other funding methods.

The exact amount of money required to comply is not yet known, but the EPA's requirements will be finalized early this year, said Mike Gales, Superior Court clerk. Regulations are expected to be very costly both in the initial

"It will be an ongoing cost to the town," said Gales. "And we need to be able to fund it moving forward."

Town Engineer Michelle Chase, a member of the task force, said part of the reason for the new mandate is that property owners who are supposed maintain areas around catchbasins and retention ponds, for instance, have not kept up with the maintenance, and then these areas fall into disrepair. There are also many culvert crossings, and other stormwater outfalls that are in great need of maintenance and repair. The re-

WATER 1 page 6

Having a ball



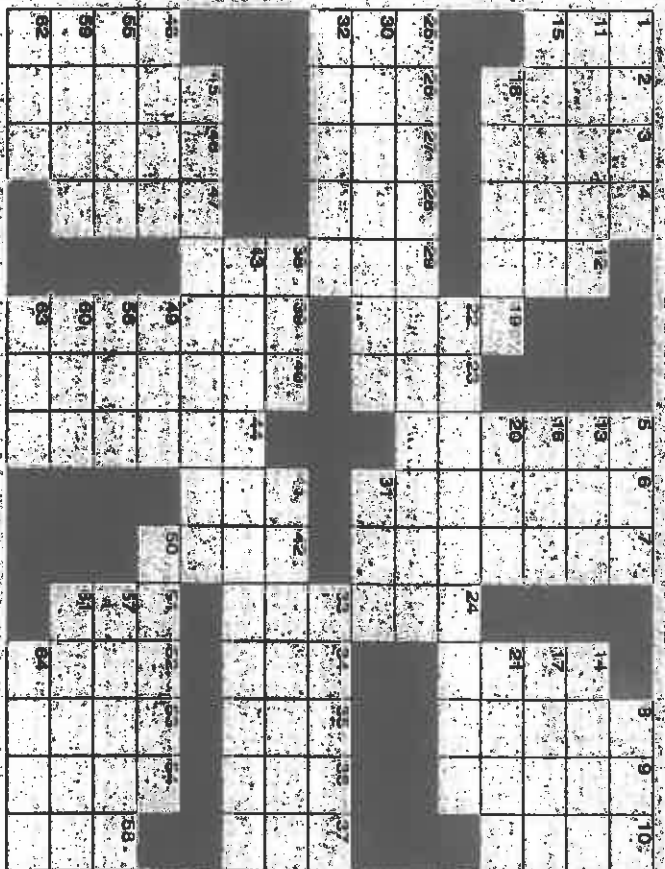
Brianne Gaynor, a junior at Agawam High School, shows off one of the AHS robotics team's creations to Emma Albro, 2, of Reading Hills, during the Community Fair sponsored by the Agawam Family and Community Program held Saturday at the high school. More photos, page 9. TRILEY PUBLICATIONS PHOTO BY MICHAEL J. SULLIVAN

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CLUES ACROSS

1. Fall down
5. Main street
8. Los Angeles time zone
11. Gullibility
13. Early Supreme Court justice
14. One-time governor of Maryland
15. Act of imitating
16. Popular basketball jersey
17. Round Dittie's basic
18. S. American residents
20. Comic opera "Pirates"
21. Ornamented letters and sellers (shiny)
22. Hovers
25. Heavy-duty street cut-off
30. One-time monetary unit of Greece
31. Novel
32. Bearded Subliminal
33. Shapes
36. Giant signal caller
41. Moves all the way around
43. Babe Ruth retired
45. Reinquishing
48. Native religion in China
49. No. well
50. Fill with high spirits
55. 4th bed
56. Type of pet
57. Somewhere to go
59. Smaller quantity
60. Largest
61. Singer and Jacobs
62. Singer
63. 19th-century
64. Like
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91. Like
92. Like
93. Like
94. Like
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97. Like
98. Like
99. Like
100. Like

CLUES DOWN

2. Canadian folk musician
3. Evergreen trees and shrubs
4. Meal from a pig (French)
5. Secretion
6. Quality of yielding
7. Aquatic mammal
8. Peltzer
9. Protective crusts
10. Caps
11. Handwoven rug
14. Soil-like material
19. Not wide
23. When you aim to get there
24. Hold molecules
25. Tooth caregiver
26. Amount of time
27. Beverage container
28. Perform
29. Apollo's grandmother
34. Obsolete time
35. Midway between east and southeast
36. Bulgarian currency
37. Midway between south and southeast
39. Males sense
40. A way to single out
41. Criminal (slang)
42. Former Tiger shirt
43. Baseballer
44. Wobblid
45. Singapore's second highest peak
46. Grossly overweight
47. Radioactivity units
48. Painted Spanish painter
51. Internet router
52. Deposition of sorrow
53. Dialect; another goddess
54. Electronic countermeasures
55. Midway between east and southeast
56. Midway between east and southeast
57. Midway between east and southeast
58. Midway between east and southeast
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chairman of the School Committee, is leading and facilitating the search for William Sapelli's successor. Sapelli, who has been superintendent for nearly six years, announced last month he will retire June 30 after a 40-year career in the district.

Cohen told the committee at its Feb. 28 meeting that an "ambitious" interview schedule was necessary so the district could have a new superintendent on the job immediately following Sapelli's retirement. The committee also is serving as both the screening committee and the interview committee for finalists.

The new superintendent is expected to start July 1. This is the first time in more than 20 years that the district has had to go through such an extensive search process for a new superintendent. Sapelli, like several previous superintendents, was hired to

indicated they wanted to see different strategies.

Similarly, 74.75 percent of those who responded said it is important that the new superintendent live in the area and be familiar with the community. Just 25.24 percent felt this was not important.

The survey also asked respondents to rank a list of eight characteristics they would like to see in a new superintendent. Leadership ranked as the top characteristic (31.72 percent), followed by creating conditions for student success (30.74 percent), advocating for the needs of schools (17.15 percent), communication (9.39 percent), creating conditions for staff success (4.21 percent), visibility and community involvement (3.24 percent), managing budget resources (1.94 percent), and managing school operations (1.62 percent).

WATER ■ from page 1

equipment to test the water quality at all points where stormwater runoff joins natural waterways, such as rivers and creeks, is intended to reduce pollution in large bodies of water such as the Connecticut River and Long Island Sound.

The full regulations are not being enforced this year, but will be soon. Chase said the task force is hoping to implement a plan in the next 18 to 24 months.

Neighboring Southwick has projected it could cost \$1 million to comply with the regulations. Agawam, a larger community, will likely experience even bigger costs to comply, but Cohen and Golba are not making any estimates at this time.

"We are really not sure exactly how much it will cost," said Cohen. "That is part of what this task force will be working on."

So far, Golba is seeking \$173,000 in the

fiscal 2018 budget to comply with stormwater regulations. Of that amount, \$138,500 is projected to go toward maintenance and pollution prevention measures, Golba said.

"It is another unfunded mandate from the federal government," said Cohen. "I wish the government was helping provide funds for this. President Trump has said that he wants to invest money in infrastructure. We will see if he follows through on that."

Golba's budget proposal for stormwater management includes funds for public participation, education and outreach. It does not propose use of funds for any additional staffing to the DPW.

Cohen's task force also includes two business owners, a pair of residents, representatives from the Water and Engineering departments, and two members of the City Council.



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vorn in



held June 8 at Agawam Town Hall. Richard Cohen, Oakes, and Deputy Fire Chief.

n page 1

creating and the nurse and all those other spaces that make up the core.

The building and its site plan will be designed to accommodate a future "Phase II" including kindergarten classrooms. The new building would be built on what is now the front lawn of Agawam Junior High School property owned by the town. It will likely be a one-story building, though the final decision has not yet been made, Hach said.

Hach said he is slated to meet with the BCC Building subcommittee on Tuesday, June 15.

Any building costs for the preschool will be borne entirely by Agawam taxpayers. The state's School Building Authority, which provides partial reimbursement for school construction, would pay for a kindergarten building, but does not fund preschool projects.

Agawam school officials have been looking for a new BCC to relieve a space crunch at the "temporary" Perry Lane structure that opened in 1994. Now over 100 preschool classes are now held at Junior High School. Additionally, each of the elementary schools has art and music teachers traveling from classroom to classroom with their materials on carts, specialists using sub-standard spaces such as auditorium stages, or offices. Said Hach, "Moving kindergarten to a new building would free enough classroom space for the other schools to properly accommodate all children in grades 1-4."

Task force looking at stormwater drain system

When rainfall hits the ground, it can move in mysterious ways. If it hits earth, it soaks in. If it hits a road or driveway, it runs off. Or, it can run off into the nearest street drain, move through a series of pipes and then out to a nearby stream, and the Westfield and Connecticut rivers. But it can pool in many places, as well, especially where the drainage system itself is failing.

In Agawam, the Department of Public Works maintains some 4,757 street drains, also called catch basins, 122 miles of drain pipe, and 2,332 manholes to convey storm flows to the town's 512 outfalls that outlet to waterways, which themselves involve some 3.2 miles of culverts maintained by the DPW. To most of us, this storm system is invisible. Only when things start to fall apart or fail does it become clear that this infrastructure is critically important. While roughly 17 percent of this system was installed in the last 30 years, the rest of the system is older or the age is unknown.

New federal Clean Water Act permit requirements seek to reduce polluted storm flows from developed areas to rivers and streams. These requirements entail water quality sampling within the storm system, promoting stormwater management practices that better soak up rather than convey rainfall, and more frequent street sweeping and street drain cleaning, among other actions. Public Works Director Chris Colba notes, "When you align proper care of our aging storm system with these new permit requirements, we have our work cut out for us."

A newly formed 10-member Stormwater Advisory Task Force is working with DPW officials to help figure out how to better fund the work of caring for the storm system and reduce polluted flows from developed areas. For years, storm system work has been paid through the

town's general fund, which is funded by property taxes. With the age of the system and more stringent federal requirements, the level of effort and costs for this work will increase significantly. The amount of this increase is something that consultant Kineticaster Wheeler is evaluating for the task force through interviews with DPW officials about the system, and careful review of available data and effort needed to meet permit requirements over the next 10 years and beyond.

The coming months, task force members will be learning all they can about stormwater and how it is managed in Agawam so that by year's end, they can make recommendations on the services that should be provided and how best to proceed with funding the program. This preliminary work in exploring sustainable funding for the stormwater program is made possible through a Massachusetts grant to the Western Valley Planning Commission, which has been working closely with DPW officials. This project will also include conversations with stakeholders to understand what stormwater issues most concern residents and businesses. For starters, the project has a web page that contains a summary of the project, materials from the two recent Task Force meetings, and an interactive map identifying problem stormwater drainage locations at www.agawam.ma.us/SLV/TaskForce.

Members of the Stormwater Advisory Task Force are city councilors James Cicchetti, Christopher Johnson, and Donald Rheault, former Mayor Susan Davidson, residents Hubert Hall, Fire Rep. Rob Donaldson, Conservation Committee member Henry Kofsky, Alfred Hooring and Paint owner Marie Todorak, Six Flags, Bar England, Facilities Manager Mark Jelen, Public Works Director Chris Colba, and Youth Engineer Michelle Chave.

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June 15, 2017

MEMORIAL
Dedication of Smith
Roses Garden, page 2

YOUTH
Students take part at
Gambin Memorial, page 3

SOCCER
Beverly celebrating for
winning state, page 10

AGAWAM

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July 6, 2017 | Vol. 99, No. 16 | \$7.00

STORMWATER MANAGEMENT

Runoff regs will be \$2M drain on budget

DPW task force looking at tax hikes, user fees to cover increased costs of federal environmental mandate

By Michael J. Salway
mjsalway@towley.com

Locating, mapping, testing, cleaning, checking and maintaining the stormwater system and systems in Agawam will be costly. But under federal EPA regulations taking effect this year, the

also a mandate that means finding someone to pay for the \$2 million-plus annual estimated cost.

"We either find it through the general fund, with taxes, or fund it through an enterprise fund, with fees," said Public Works Superintendent Christopher Gobin at a

June meeting of the town's Stormwater Advisory Task Force.

At two meetings in June, the task force debated which of three approaches would be feasible. Most infrastructure in town — such as roads, parks and municipal buildings — is funded by a combination of state aid and to-

cal property taxes. The larger and more valuable a property is, the more its owner pays toward the upkeep of town-owned facilities.

Pete Niles, a consultant with Ames Foster Wheeler of Chelmsford, Mass., told the task force that some communities charge a "user fee" based on how much

stormwater runoff a property produces — as estimated by measuring the square footage of impervious material covering the ground. Unimproved properties would be assessed little or no fee. Properties with extensive pavement or

COMPLETE STREETS

Funding eyed for O'Brien's Corner

By Gregory A. Schmidt
gschmidt@towley.com

The town is eyeing a grant to improve O'Brien's Corner, the intersection of Commercial Avenue, North and Main streets.

Town Engineer Nicholas Chase said he will have the application for funding through the state's

DEDICATION

Field

honors

Coach

Smith

Agawam Dept. of Public Works
1000 Suffolk St.
Agawam MA 01001-2901
CAR-RT LOT# C 013
04/19/18 14/10

STORM ■ from page 1

roof coverage would pay much higher fees. Like water and sewer charges, the stormwater fees would be assessed even to properties that don't pay property tax, such as churches.

That could result in a large new fee hike for the owners of commercial buildings and parking lots, regardless of how valuable their lands. It could result in the owner of a \$200,000 house paying more than the owner of a \$400,000 house if the less valuable house had a wider roof or longer driveway.

There's no real perfect system for assessing fees, Niles said. There's a lot of different ways to argue equity.

Both Chicopee and Northampton assess stormwater utility fees. Niles said the average home pays \$7.50 per month in Northampton and \$9.33 per month in Chicopee.

One option is to consider a single-family house does equal land assess fees on a sliding scale for larger properties. In a preliminary analysis of the equal-payment option, each residential unit would be assessed \$20 to \$101 per year depending on budget needs. The other fee-based option, with charges increasing for each \$1,000 square feet of impervious surface, could yield lower or higher fees based on the size of the property and the pavement and structures on it.

An additional complication, Niles said, is that not all impervious material directs stormwater into the storm drain system. The owners of properties that slope away from the street or properties with their own internal system of ditches and basins, could end up paying water fees for a system they don't use.

Someone will have to pay, however. The EPA, as part of a new round of regulations for municipal separate storm sewer systems (MS4) permits, is requiring that all towns keep a map of their storm drains and culverts; test the water quality at each outflow; and make repairs or environmental cleanup as necessary. Those tasks have largely been ignored in the past.

In most communities, the infrastructure is not being sustainably managed.



Consultant Rich Niles gives a presentation to the Agawam Stormwater Advisory Task Force in early June. TUPLEY PUBLICATIONS PHOTO BY MICHAEL J. BALLEWAY

Niles said. "That's just how it's always been in New England. Some of that infrastructure is well past its design life. About 50 percent of the infrastructure we don't know about."

In the fiscal year that concluded June 30, the DPW spent less than \$90,000 on the storm drain system. That number is already budgeted to rise in the current fiscal year, but the DPW will need more money to fully implement the EPA's requirements.

A preliminary estimate by Annee Foster Wheeler would raise the town's stormwater spending over \$1.9 million in fiscal 2019. The money would fund workers to create an inventory of storm drain infrastructure, additional street sweeping and catch basin cleaning to keep debris out of the storm drains; an examination of the system to eliminate connections with the sanitary sewer system, and to eliminate illicit discharges; and other tasks. It would also repair or replace several failing culverts and drain pipes in town.

"These things are real problems out there now that there currently isn't funding to address," Niles said.

Added Tracy DeMaio, the town's stormwater coordinator, "It's not just the federal mandate. The infrastructure is old."

The task force plans to continue its discussion on fees and taxes at its next meeting in September.



Superintendent William Sapelli, center left, presents baseball field dedication ceremony on June 25. TUPLEY PUBLICATIONS PHOTO BY MICHAEL J. BALLEWAY

SMITH ■

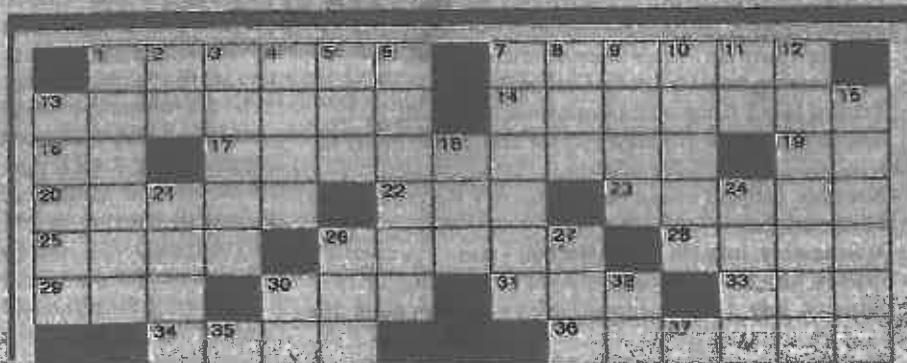
Sapelli, as a student, back in 1970.

"He was not only a teacher in the schools; he coached baseball for 35 seasons, he owns a driving school in Agawam, and he continues to touch the lives as a coach and individual in so many positive ways that we thought we should honor him," said Sapelli, who recently retired as school superintendent. "Gerry is a good guy and it's nice to be able to remember him and honor him for awhile to come. I'm very grateful to be here, to be able to share this day with Gerry and his family."

He added, "He's a special individual to me. He had a big impact on my life as an impressionable high school student. As a young athlete, you look up to your coach as a second father and Gerry stepped up and assisted me on many different occasions."

Cohen also chimed in, expressing the gratitude the town has for all the coaches "that we have had, and continue to have, to lead our youngsters and set values and morals and the responsibility of the game itself and to build character. When you mention Coach Smith, he's not Mr. Smith, not Gerry Smith, he's Coach Smith. There is no greater honor than to earn that title from your players."

Gerry Smith field joins the recently dedicated Lou Conte track, which held a dedication ceremony in May. Both the baseball diamond and the running track were part of an \$8.7 million upgrade of athletics facilities on the AIS campus. The track surrounds a new artificial turf multi-purpose field that retains the Harmon Smith Field name used for the AIS football field for



Merchants worry about construction impact

By Michael S. Gentry
m.gentry@times.com

It may not seem like it, but the Mohean Sullivan Bridge is a major concern for the merchants who line the streets on Walnut Street and Erie Avenue, who recently opened a holiday business in the former Dierker building.

The bridge, which is being replaced by a new bridge, is a major concern for the merchants who line the streets on Walnut Street and Erie Avenue, who recently opened a holiday business in the former Dierker building.

Eric Gillie, who recently opened a holiday business in the former Dierker building, said they know they will have problems during the roadwork, but are confident the town and police will make it work.

A few property owners thought their property would be damaged by the construction, but the town and police are confident they will make it work.

GO ON 1 page 6

PUBLIC WORKS

DPW supt.: Flooded roads an act of nature

Not all problem areas need costly fixes to town's stormwater system

By Gregory A. Smith
gsmith@times.com

Street flooding is an issue after a heavy rainstorm hit the town last week, but DPW supt. says it's not a problem area.

Street flooding is an issue after a heavy rainstorm hit the town last week, but DPW supt. says it's not a problem area.

backup.

Goffe said the July 18 storm overwhelmed the storm drain system, but DPW workers responded to several reports of flooding.

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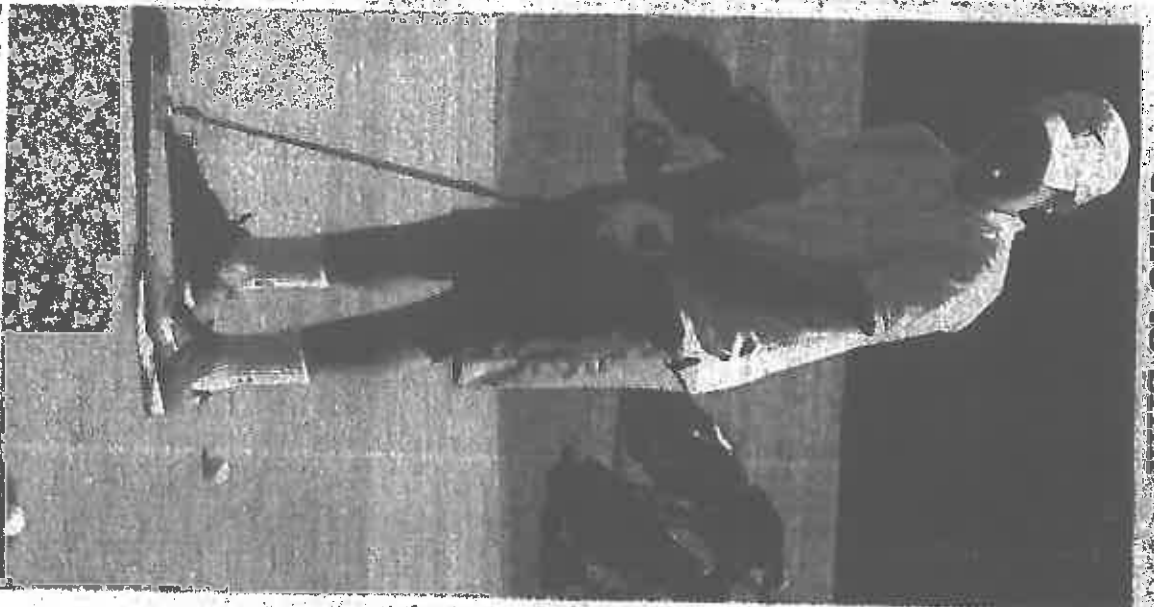
investigated the catch basins in those areas.

"It was not that the catch basins were backed up," said Goffe. "It was simply the amount of rain that fell in such a short period of time. There was not much we could do with that because of the extraordinary amount of rain we experienced."

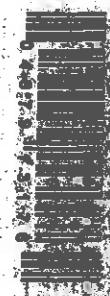
Goffe said the town has identified a few problem areas where street flooding is more of an issue. There are drainage issues on Meadow Street, on Arnold Street and on South Park

SHANE 1 P. 5

Time to sink



Dan Harpin watches as his ball rolls directly into the cup — sinking it on the first putt. Harpin is one of about three dozen Agawan youth participating in the Parks and Recreation Department's golf clinics every week at Agawan Municipal Golf Course. More photos, page 6. TIRLEY PUBLICATIONS PHOTO BY WAKE LINDEN



THE TOWN OF AGAWAN

AGAWAN TOWN REPORT

AGAWAN TOWN REPORT

AGAWAN TOWN REPORT

STORM | from page 1

Terrace. The intersections closed by public safety officials on July 18 are not considered problem areas, and simply could not handle the volume of rain, he said.

He said a task force that is currently looking into how the town will comply with updated federal stormwater regulations may help address deficiencies in catch basins and other drainage infrastructure. It will cost money. One proposal is to establish a storm water utility, a new enterprise fund in town.

"It would need its own utility because the water enterprise only deals with the town's drinking water," said Golba. "The sewer enterprise only deals with sewage and waste water."

Stormwater is a separate system with a separate infrastructure. The town will spend \$153,748 on a contract just signed to

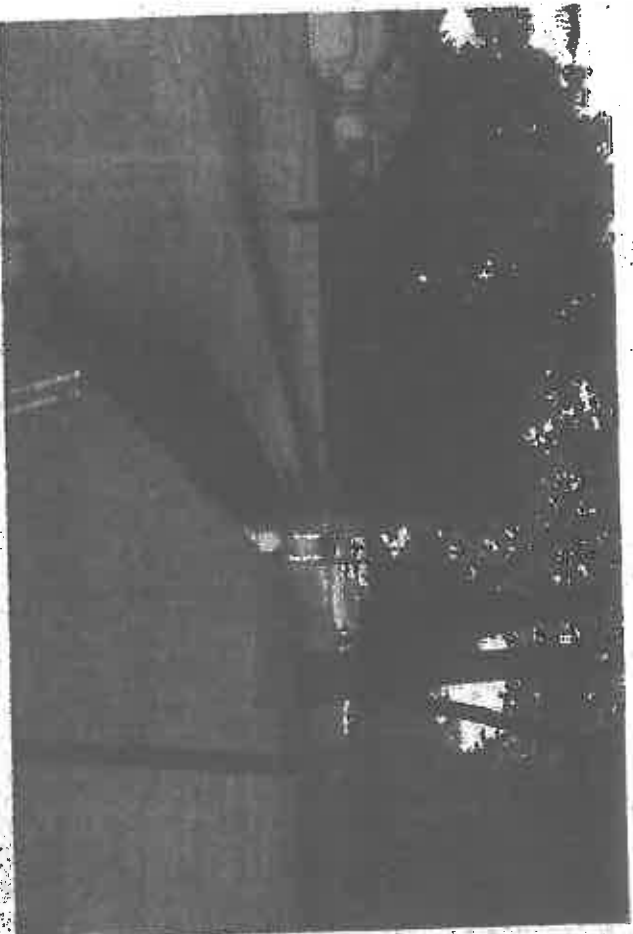
re-establish the drainage system on Arnold Street. Golba said the project is relatively small. A utility may be necessary to provide a funding source to deal with future larger drainage infrastructure improvements that are needed.

Other problem areas, like Meadow Street, receive "aggressive" catch basin cleaning from DPW workers, Golba said. They are often assisted by public safety officials to divert traffic during heavy flooding.

Grasso said motorists should always try to avoid driving straight through flooded roadways. During the July 18 storm, the Police Department did respond to several stalled vehicle calls in flooded roadways.

"Motorists should use extreme caution in going through these roadways," said Grasso.

Grasso said the Police Department does try to use social media to inform residents of any type of road closure.



A motorist crosses a puddle of standing water on Meadow Street after the rainstorm July 18. TURLEY PUBLICATIONS PHOTO BY MICHAEL J. BALLWAY



The largest proposed land taking for the reconstruction of the Morgan-Sullivan bridge and adjacent intersections is at the Rocky's plaza, which will lose 46 parking spaces. TURLEY PUBLICATIONS PHOTO BY MICHAEL J. BALLWAY

BRIDGE | from page 1

"I know that oftentimes, people are frustrated when they can't get exactly to a place where they want to," Gillis said Tuesday.

Meyers, who owns Stay and Play Landrona, said officers and utility crews trespass on his property and told customers they could not enter his parking lot during utility work last weekend. He said the officers at the scene were confrontational with his store manager and refused to speak with him on the phone. He said he had a hard time convincing the city, sergeant, as well, that customers have a right to access his business even when the road is being worked on.

Gillis said he was on vacation during the dispute with Meyers and still holding into what happened. He said his department recognizes the value of businesses in town.

"When we're directing traffic from a particular area, it's for public safety concerns and nothing else," Gillis said. "We

Train status board on track

Although the state plans to keep at least one lane open, each way, throughout the three-year reconstruction of the Morgan-Sullivan Bridge, it is expected that more drivers will choose to use the closest alternative, the Vietnam Veterans Memorial Bridge in North Avon.

Many commuters currently avoid the bridge because the roadway is blocked several times a day, when it is pulled in to the rail yard in West Springfield. Trains routinely stop for at least an hour or more while parked across the grade-level crossing on Front Street in West Springfield, turning a shortcut for drivers into a long wait.

To help drivers plan their trips more efficiently, the state plans to install four message boards along the

1 2 3 4 5 6 7 8 9 10 11 12 13

of defenders before firing a wide shot.

at Ludlow High School on Monday night.

WATER ■ from page 9

percent.

• Create a Municipal Water Infrastructure Investment Fund, a tool that some municipalities have used to create a dedicated funding source to support their water infrastructure (drinking, waste, and stormwater). Funding would come from a surcharge of up to 3 percent on property taxes.

• Establish a stormwater utility, where a user fee is charged, based on the amount of impervious cover on a property. The more impervious cover — hard surfaces draining to the stormwater system, such as rooftops, driveways and parking lots — the higher the fee, making payment proportional to the demand placed on the drainage system. Under this option, all developed properties pay their proportionate share, including tax-exempt properties.

Niles noted that the first two funding options are based entirely on property value, while the third option generates funding based on use of stormwater system services.

"The other important thing about a stormwater utility," added Niles, "is that it creates an adequate and stable source of funding with flexibility

and the ability for properties to receive credit for good stormwater management, for example."

Niles highlighted several specific properties in town to show an analysis of impervious cover and potential stormwater utility fees. All of these examples, and other materials, can be viewed on the Stormwater Advisory Task Force web page at agawam.ma.us/SW/TaskForce. Niles also emphasized that the analysis is preliminary and everyone should understand the difference between funding a stormwater program with a higher level of service through taxes versus a stormwater utility fee. Additionally, this is an ongoing evaluation and additional public engagement activities are planned to inform the public and solicit input.

The Stormwater Advisory Task Force will be further exploring these approaches to fund the stormwater program and the idea of a stormwater utility and will present recommendations to the City Council for their consideration in several months' time. This work the project is financed with funds from the federal Environmental Protection Agency and Massachusetts Department of Environmental Protection.

in the second half. Pyrie was able to lead the Brownies most of the way down the field until East Longmeadow made a stop near the end zone.

The Spartans took over and scored on their next drive to make it 40-7.

Agawam scored late in the game as Pyrie connected with Dan DeBrowelski for an eight-yard touchdown pass. Nate Grondin caught a 13-yard pass for the third touchdown of the game.



Above left, Agawam's Nicole Mercadante sprints up the turf looking to catch up to the loose ball. Above right, Amanda Fitzpatrick takes a free hit for the Brownies. TULLEY PUBLICATIONS PHOTOS BY GREGORY A. SCOBELL

FIELD HOCKEY ■ from page 12

Nina Cipriani scored late in the game for Agawam. Goalie Nikki Bates only needed to make one save in picking up the shutout. Timms contributed two assists for Agawam.

The Brownies have already been in some tough competition this year, including a 1-0 defeat of Northampton, a promising win in a close-game situation.

Cipriani scored the lone goal for Agawam and Serena Croteau got the start in goal and picked up the shutout. Cipriani scored in the second half in the Brownies' victory on the road.

The Brownies' toughest stretch is coming this week, with games against Longmeadow and Manchester. Longmeadow is also 4-0-1.

Page made both extra points as the Brownies did get some offense going. Pyrie, who is in his first year as starting quarterback for Agawam, connected on 5 of 14 pass attempts for 110 yards. He had three touchdowns against one intercepted.

Durocher caught two of those passes for 59 yards. The ground game is where Agawam has struggled a bit. Thomas Caraccio la would finished with 50 yards on five carries. Durocher would carry for 13 times for 49 yards. Anthony Adams had 45 yards on 11 attempts.

The Brownies will start AA Conference action coming up on Friday, Sept. 29, at 7 p.m. Agawam will be at home against Westfield at 6 p.m. and at home against Westfield at 6 p.m. on Sept. 30.



Eliza Timms takes the ball late offensive end of the field in Agawam's win over West Springfield last week.

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Stormwater panels focus turns to public outreach

By Michael J. Rattway
mrattway@courier.com

Getting Agawam homeowners and businesses to accept an entirely new tax, or fee, will take a massive public relations effort, local leaders agreed last week.

The town's Citizens Stormwater Advisory Task Force turned its attention on Nov. 29 to how it would tell Agawam residents on the need for a new utility fee to finance an additional million dollars in spending, mainly, on maintenance, repair, environmental cleanup and general compliance for the state's stormwater system.

"We've got to convince the people they need to make this investment," said City Councilor-elect Dino Mercuriale, who is also a business owner in town. "If they can't see it, it'll be hard to convince them."

"They're asking me to pay for something I don't see as a problem. They don't want to be taxed any more."

Rich Niles, a consultant with Amec Foster Wheeler of Chelmsford, Mass., has been helping the task force identify up-keep needs of the town-wide drainage system, which is separate from the sanitary sewers, as well as educating them about costs the town will incur under new federal mandates. At previous meetings, the task force agreed it makes the most sense to fund the growth in the stormwater budget — from about \$1.05 million today to about \$2.04 million in fiscal 2023 — by charging a new utility fee to each property in town, based upon how much of the land is covered by an impervious surface, such as asphalt or a solid roof. In theory, this means the properties that place the highest burden on the stormwater system would be the ones that contribute the most to funding it.

"It's not a perfect system, but many people see it as a better system than

modify their property to reduce pollution in their stormwater runoff, to reduce the quantity of runoff from their property."

Task force members last week generally agreed with those priorities, with an emphasis on lower quantity rather than higher quality of water entering the system. Most members in attendance said they would agree to allowing a business to rebate as much as 50 percent of its fee by earning credits.

\$150M in the ground

The town has to raise revenue not only to meet new Environmental Protection Agency water quality requirements, but also to keep the current infrastructure in good working order. Niles said the town's storm drain system includes 3.2 miles of culverts, 121.5 miles of drainage, 512 outfalls, 2,352 manholes and 4,757 catch-basins — much of which is decades old and has never been maintained. He said the American Water Works Association recommends that utility operators invest 1-2 percent of the value of their assets in annual maintenance, and another 1-2 percent on capital improvements.

"We estimate there's approximately \$150 million of assets in the ground, in terms of stormwater management," said Niles. That would mean more than \$3 million per year in spending on repairs and replacements.

Niles' current suggested spending plan would increase the stormwater operations and management budget from \$735,799 this year to \$1.63 million in fiscal 2019 and eventually to \$1.22 million in fiscal 2023. The budget for capital improvement, pipes, and equipment would rise from \$31,456 currently to \$289,951 in fiscal 2023 and stay at that level for the next four years.



The three also men — from left, Scott Williams, Ned Bock and Robert Rivers — participate in the live Nativity at the Church of Redemption in 2014. FILE PHOTO BY GREGORY A. SCHERER

Church hosts Living Nativity this Saturday

The Church of Redemption in Agawam will host its annual Living Nativity from 4 to 7 p.m. on Saturday, Dec. 9. All are invited to bring family and friends to sing hymns, Christmas carols, hot cocoa, cookies and animals alongside the manger.

The event is free of charge. For more information, call 413-304-2313. The church is at 50 Maple St., Agawam.

Credit union connecting needy kids with gifts

Freedom Credit Union is partnering with the Department of Children and Families to provide gifts to children in need this holiday season.

Over the past nine years, the generosity of Freedom's members, employees and area residents have helped

Vergara, Katherine M.
 Dec. 3
 Funeral: Dec. 7
 Crown-Jones Funeral Home
 Agawam

Agawam Advertiser News OBITUARY POLICY

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 Death Notice listing
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charging based on property values," Niles said.

Planning Board member Mario Tesdeschi said it could be a hard sell to businesses, which tend to have more imperious surface — large parking lots, for example — but also already pay a property tax rate double the residential rate, while at the same time burdening certain big-ticket town expenses, such as schools, much less.

"Paradox is the big question," Tesdeschi said.

Finding a way to convince homeowners and businesses — including such varied land uses as professional offices, small retailers and large industrial sites — will be one of the task force's greatest challenges in 2016, members agreed.

For businesses in particular, one positive side of the stormwater utility fee, as opposed to funding the stormwater through general tax revenues, is that it allows the town to incentivize to property owners who reduce their reliance on the system. Niles said. Cities that have already implemented a stormwater fee, such as Northampton, Portland, Maine, have given rebates to landowners who

town's Conservation Commission, said residents of some neighborhoods might be convinced to support an increased maintenance and capital budget if it meant the end of street flooding that he questioned whether the budget proposed by Niles would have enough equity funds to address more than one street in the next five years.

Mercante said he is confident that voters will accept a stormwater fee if it is necessary.

"As long as we tell the voters the truth, they will support a reasonable plan for prudent expenses," Mercante said. But the lobbying effort has to be 100 percent transparent.

The Citizen Stormwater Advisory Task Force has been meeting on a monthly basis for the past half-year. The panel is made up of Department of Public Works employees, political leaders, business owners and residents in town. Meetings are open to all.

The panel will not meet in December, and has not yet determined a meeting date for January. The task force also plans to hold public information sessions and hearings later in 2016.

said Glenn Welch, the credit unions president and CEO. "This year we hope to bring even more mission-focused loans to the line."

Great union branches, including 950 Springfield, are being encouraged to give the credit unions a gift request from an area child. Anyone can get a tag from the tree, purchase the gift and bring it back to the branch, wrapped, by Thursday, Dec. 21.

In 2016, Freedom collected 500 toys for foster children in Franklin, Hampden and Hampshire counties.

Singing Christmas Tree ends this weekend

Bethany Assembly of God in Agawam will present the second and final weekend of the Singing Christmas Tree Spectacular this Friday through Sunday.

The multimedia production includes a 60-voice choir performing a 25-foot tall Christmas tree, and an 18-piece orchestra, along with dramatic re-enactments of the Nativity story. Presentations are held at 7 p.m. Saturday at 6 p.m., and Sunday at 5 p.m. and 6 p.m. All welcome, free, with no individual reserved seating.

Bethany Assembly of God is at 150 Main Street, 57 at Main Street in Agawam. For directions or more information, visit bethany-ag.org, call the church at 413-789-2990 or visit its Facebook page.

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7 p.m. Tuesday, Dec. 12 Robert's School 68 Main St., Agawam

1. Call to order
2. Moment of Silence
3. Roll call of attendees
4. Regular meeting - 7 p.m.
5. Citizens Speak time
6. Highlights of Education
7. Pledge and singing of the Pledge of Allegiance
8. Superintendent's Notes
9. Student/Adults and Committee representative update
10. Birthdays/Anniversaries
11. School 7-7:45 — Arrival of the Library Exchange
12. Pledge of Allegiance
13. Superintendent's Notes
14. Adjournment

AGAWAM COMMUNITY AGENDA

- 10- Business meeting
- a. Routine matters
- 1) Approval of minutes
- 2) Calendar/Correspondence
- b. Warrants/Transfers
- c. Reports
- 1) Scheduled reports
- CITE Equivalencies — Seth Dixon
- 2) Subcommittee updates
11. New business: None
12. Public Hearing
- a. Policy, JCF — Student Regal, regarding
- b. Policy, JCF — District of Professional Drivers
13. Any other items that may come before the committee
14. Adjournment

BREAKING NEWS - MASSLIVE.COM

Agawam stormwater maintenance costs expected to rise

Updated Dec 28;

Posted Dec 28



Agawam's aging stormwater management system and new permit requirements of the Clean Water Act to prevent pollutants from entering waterways are expected to lead to higher system maintenance costs for Agawam. (Mary Serreze / The Republican)

Comment

By Conor Berry, cberry@repub.com

AGAWAM -- The town's aging stormwater management system and stricter federal requirements to prevent pollutants from entering waterways are expected to lead to higher system maintenance costs for Agawam.

For years, storm system maintenance work has been funded through the town's general fund. But considering the age of the system and new permit requirements of the federal Clean Water Act, the cost of caring for the aging system is expected to increase significantly in the coming years, according to town officials.

Just how much costs will rise remains to be seen, which is why the Agawam Stormwater Advisory Task Force was recently formed. It's also why Amec Foster Wheeler, a global utility and energy consulting firm, is evaluating the town's current stormwater system.

"When you align proper care of our aging storm system with these new permit requirements, we have our work cut out for us," said Chris Golba, director of the Agawam Department of Public Works.

The expanded federal permit requirements aim to reduce the amount of polluted runoff entering rivers and streams. These requirements mandate water quality sampling within the storm system, promoting stormwater management practices that better soak up rainfall rather than catch and move water, and more frequent street sweeping and street drain cleaning, among other actions.

To prepare for the changes, Agawam officials plan to meet next month with local business owners to receive feedback, review the progress of the Stormwater Task Force, and discuss options to meet future funding needs for the town's stormwater management program.

Michelle Chase, the town's engineer, and Patty Gambarini, principal environmental planner for the Pioneer Valley Planning Commission, are among the officials who are expected to be involved in these ongoing discussions.

Chase and Golba are both members of the Stormwater Task Force, a 10-member task force responsible for figuring out how to better fund Agawam's storm system and reduce pollutants from flowing into waterways.

Since its formation this past summer, the task force -- a mix of citizens and public officials -- has attended several meetings to learn more about stormwater management in Agawam, including current and projected program costs. More information about the task force is available online at www.agawam.ma.us/SW-TaskForce.

In Agawam, the DPW maintains over 4,700 street drains -- also known as catch basins -- 122 miles of drain pipe, and over 2,300 manholes that catch and move stormwater to the town's 512 outfall pipes that lead to local waterways.

To the everyday citizen, the storm management system is largely invisible until it starts to fall apart or fail. Roughly 17 percent of the system was installed over the past 30 years, but the remainder is far older or of indeterminate age, according to town officials.

Rainfall soaks into natural ground. But when it hits a hard or impermeable surface -- such as a road, roof, driveway or parking lot -- it tends to "run off" to the nearest street drain, where it then moves through a series of pipes leading to local streams and the Westfield and Connecticut rivers.

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Died Dec. 30
Funeral Jan. 3
Comdan Funeral Home
Chicopee

Ingersoll, Albert V.
Died Dec. 31
Funeral Jan. 2
Jazzhi Funeral and Cremation
Services
Springfield

Podulla, Marianne R.
Died Dec. 23
Private burial
Colonial Forastiere Funeral
Home of Agawam

Parment, Raymond E.
Died Dec. 29
Funeral Jan. 2
Curran-Jones Funeral Home
Agawam

Webb, Deborah A.
Died Dec. 22
Funeral Jan. 2
Sampson Chapel of the Acres
Springfield

Agawam Advertiser News

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Business input sought at stormwater workshop

Agawam's Public Works Department is requesting a meeting with local business owners on Jan. 6 to review the progress of the Stormwater Advisory Task Force, discuss options to meet the future funding needs for the Stormwater Management program, and incorporate feedback from business owners.

When rainfall hits the ground, it can move in mysterious ways. If it hits natural ground, it often soaks in. If it hits a rooftop, driveway, parking lot, or roadway, chances are it will run off into the nearest street drain, move through a series of pipes and then out to a nearby stream, and the Westfield and Connecticut rivers. But it can pool or back up in many places, as well, especially where the drainage system itself is failing.

In Agawam, the Public Works Department maintains some 4,757 street drains, also known as catchbasins; 122 miles of drain pipe; and 2,352 manholes, to convey storm flows to the town's 512 outfalls that outlet to waterways, which themselves involve some 3.2 miles of culverts maintained by Public Works. To most of us, this storm system is invisible. Only when things start to fall apart, or fail, does it become clear that this infrastructure is critically important. While roughly 17 percent of this system was installed in the last 30 years, the rest of the system is much older, or the age is unknown.

At the same time, important new federal Clean Water Act permit requirements seek to reduce polluted storm flows from developed areas to rivers and streams. These requirements entail water quality sampling within the storm system, promoting stormwater management practices that better soak up rather than convey rainfall, and more frequent street sweeping and street drain cleaning, among other actions.

Public Works Director Chris Golba notes that when you align proper care of our aging storm system with these new permit requirements, we have one work item left to do.

In the summer of 2012, a 10-member Stormwater Advisory Task Force was formed which includes Agawam residents, business owners, clergy members, city councilors and Public Works officials. The purpose of this task force is to help figure out how to better fund the work of caring for the storm system and reduce polluted flows from developed areas.

For years, storm system work has been funded through the town's general fund. With the age of the system and expanded Clean Water Act permit requirements, the level of effort and costs for this work will increase significantly. The amount of this increase is something that consultant Amec Foster Wheeler is evaluating for the task force through interviews with Public Works officials about the system, and careful review of available data and effort needed to meet permit requirements over the next five years and beyond.

Since its formation, the task force has attended five meetings in order to educate the members about stormwater and how it is managed in Agawam, including current and projected program costs. Also, there have been two public meetings for the purpose of engaging, educating, and eliciting comments from Agawam government officials and senior citizen residents.

Members of the Stormwater Advisory Task Force are city councilors Christopher Johnson and Robert Rossi, former City Councilor James Cichetti, former Mayor Susan Dawson, resident Herbert Holl, the Rev. Rob. Donaldson, Conservation Commissioner Henry Kosloski, Allied Flooring and Paint owner Mario Tedeschi, Six Hags New England Facilities Manager Dave Jolani, Public Works Director Chris Golba, and Town Engineer Michelle Chase.

More information about the task force and the current Stormwater Management program, including informational documents and presentations from former Task Force meetings can be found at www.agawam-ma.us/SW-TaskForce.

CORRECTION

Because of an editing error, the details of the district improvement financing proposal for the Agawam street improvement area was mischaracterized in a page 1 story in the Dec. 23 Agawam Advertiser News (byline is Gene Burwell Remains). The City Council has approved funding for a consultant to work on defining the DFI including determining its boundaries and analyzing whether to adopt the tax arrangement has not been taken.

Captain
Charles

ADAWAM.B.COM

FAMILY & I
FUNCTIONS

Burning season starts next week

Outdoor burning season in Massachusetts begins Monday, Jan. 15.

Agawam residents who wish to burn yard waste must apply for a permit, check in with the Fire Department on the day of the burn, and follow certain safety regulations to ensure that the fire doesn't get out of control. Deputy Fire Chief M.J. Calvi said this week.

The permit carries a cost of \$10, but is valid for the entire burning season, which lasts until May 1. Permit application forms are available at Fire Headquarters, 800 Main St., Agawam or at www.agawam.ma.us/burning.

Holding a permit does not guarantee the right to light an outdoor fire any given day. On especially dry or windy days, the Fire Department may ban outdoor burning. Permit holders must call the Fire Department at 413-786-2662 after 9:30 a.m. on the day of the fire to confirm that burning is allowed that day. No fires may be lit before 10 a.m.

Fires must be no closer to a building than 75 feet, and must be put out before 4 p.m. The fire should always be monitored by an adult, with a water supply, shovels and rakes close at hand. The fire should be put out if it starts to get out of control, begins to

negatively impact a neighbor's air quality, or a dangerous weather condition develops, such as increased winds. Those who allow a fire to get out of hand may face fines or even jail.

The following are prohibited in outdoor fires:

- Any liquid fire starter, including gasoline, kerosene, etc.
- Trees larger than 4 inches in diameter
- Cane and driftwood from commercial land clearing operations
- Grass, hay, leaves or stumps
- Tires or other trash
- Construction material, lumber and debris

Business forum on stormwater next Tues.

Agawam's Public Works Department is requesting a meeting with local business owners next week to review the progress of the Stormwater Advisory Task Force, discuss options to meet the future funding needs for the stormwater management program, and incorporate feedback from business owners.

The meeting is at 6:30 p.m. Tuesday, Jan. 16, in the Community Room at Agawam Public Library, 750 Cooper St. Agawam's stormwater system in-

cludes 4,757 street drains, 122 miles of drain pipe and 2,352 manholes. While roughly 17 percent of this system was installed in the last 10 years, the rest of the system is much older, or the age is unknown. Federal regulations now require water quality sampling within the storm system, promoting stormwater management practices that reduce runoff rather than convey rainfall, and more frequent street sweeping and street drain cleaning, among other actions.

For years, storm system work has been funded through the town's general fund. With the age of the system and expanded Clean Water Act permit requirements, the level of effort and costs for this work will increase significantly.

More information about the task force and the current Stormwater Management program, including informational documents and presentation from former Task Force meetings, can be found at www.agawam.ma.us/Stormwater.

Curbside tree collections delayed to next week

Because of last week's snowstorms and the subsequent disruption of Agawam's trash pickup schedules, curbside collection of Christmas trees will be delayed a week.

The Department of Public Works on Tuesday, Jan. 16, will not be able to provide curbside disposal of unwanted trees on the same day as scheduled curbside collection during the week of Jan. 15. However, additional snowstorms, trash and recycling pickups will be on

their normal days that week. Trash collection is affected by the Martin Luther King Jr. Day holiday.

Trees should be placed at the curb or on the tree half no earlier than 7 a.m. of the household's usual trash collection day. Trees 7 feet or larger must be cut in half. Trees in plastic bags will not be collected.

It is not the responsibility of the hauler to dig out trees buried in the snow due to plowing or snowfall.

The trees will not be picked up by the regular trash pickup, but by a separate truck running on the same day.

Any Agawam residents wishing to dispose of a Christmas tree before or after the scheduled collection date can pick up a curbside disposal pass for the Bond's Island landfill at the Department of Public Works office, 1000 Suffolk St., Agawam. The office is open 8:30 a.m. to 4:30 p.m., Mondays through Fridays and during evenings.

Theater camps, auditions coming up at Red Door

The Red Door Theatre at 152 S. Westfield St. Reading Hills will begin the new year with open auditions for a rock and roll musical that will take audience

bles can accommodate two to 10 people, the evening features song, dance, and comedy, all performed by co-owners Marlene Allen and Lyle Pearson, and a

one of the children. This exciting adventure play camp is scheduled for March. The camps run Tuesdays and Wednesdays from 3:45 to 5:45 p.m.

series gives the children the opportunity to discuss the musical and act out the story on the stage with the Red Door's veteran actors. Dates and times can be

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STORMWATER FEE

Businesses question stormwater fee plan

By Peter Spoto
p.spoto@agawam.com

A stormwater utility fee could have a major impact on businesses, merchants and some public hearing this week. To pay for millions of dollars in

federally mandated stormwater system upgrades and maintenance, a town task force is discussing a new fee that would charge property owners based on their square footage of impervious surface — the roof and paved areas that direct rainwater to the public main.

Manufacturing and retail properties, with wide roofs and large parking lots would be especially hard hit, business owners

said as they begin planning. Businesses such as James Rice of JR Sweeping Service, Jack Savat of SavatFloort and Mario Todoroch of Mario Flooring and Paint said an impervious surface fee would particularly affect businesses owners who have put money

into developing their properties, and wonder how the hundreds of acres of farmland and open space will be impacted.

Who is thinking that out and at what point do we bury in the

WASTEWATER SPILL



Picket protests pipeline problem

By Peter Spoto
p.spoto@agawam.com

farmers and open space to pay their fair share. When does this get to the point where everybody pays?" Tedeschi asked.

Josephine Niles from Agawam Roster responded that in some Massachusetts towns that have adopted a stormwater fee — there are currently more than 200 of them — agricultural land is charged a fee that is 10 percent of the impervious surface in the presence of their property. She said that a small town would be charged \$10,000 for a 10-acre lot.

Agawam Mayor William Sappell said that, "We know what we do to waterfowl, we don't know what we do to waterfowl."

He said that the business can't manage their own waterfowl; that's a problem, and it should be. I worked for the town for a long time, I know how these fee structures work. They only go up, and I'd rather see it go through the general fund."

The Brown brothers also expressed concern over a fee system based around impervious surface, which relates to smaller structures, especially greenhouses.

From an architectural view, I'm looking at what is around the town. Gary Brown said, "The first thing I think about is what can I do down to save money on taxes and avoid this fee. Am I going down the road that I'm going to have to tear down build-ings? Built less than five years ago?"

Niles said the precise definition of "im-pervious surface" would have to be determined through a public process, before any fee system is adopted. Niles used a preliminary rate of \$26.08 per 1,000 square feet for the examples he provided to the 17 assembled business owners, residents and the mayor, when outlining examples of how properties would be affected under a fee structure.

The preliminary rate is subject to change as rates will be finalized through the public process, explained Niles. The previous area is a surrogate, merely for measuring the impacts to the stormwater system. It's not exact, but it's a reasonable measure.

much money the town wants to spend on stormwater maintenance, the average homeowner could see a \$78 fee, but there would also be an estimated property tax decrease of 1.7 percent, a \$72 savings for a \$250,000 house, leaving a net increase of only \$6. If stormwater costs were added to the property tax, it would mean an estimated \$60.88 increase for the average homeowner, he said.

Those numbers are still estimated, Niles said. The task force still needs to determine how to define billing, whether commercial and residential properties will have different rates, and how farmland and other properties will be charged.

Niles also said the system could provide opportunities for tax breaks for owners related to the stormwater system that are currently funded by the general fund could be moved to the fees instead. That fact is one of many reasons Mayor William Sappell voiced his support for a fee structure.

"Yes, we can raise taxes, but the problem with that is it goes into the general fund money, and down the road, what will we be doing again? Putting this on the back burner and spending money somewhere else. You do it as that fee and identify that money for this, and this only is to me, the way to go," Sappell said.

Members of the task force agreed that the stormwater system needs investment sooner rather than later. According to Niles, Agawam has 121.5 miles of drainpipe, and for 57 percent of that pipe, the town has no data on how old it is. It is known that 6 percent of the pipe predates 1970, and Niles said these systems typically only last 50 years. He said the city would need \$150 million to replace the entire system and recommended the town invest 2 percent of the value of these assets into operating and maintenance costs, and 2 percent into capital replacement, a total of \$3 million each year.

Task force members also said stormwater needs to be more visible to the public, which is "invisible" to some people because the system is underground.

"The education is what's most important," Sappell said. "I don't think people realize we have 122 miles of pipe and 33 percent is older than 30 years old and just breaking down under the road. Even though you

OBITUARY

Allyson Cleary, 46, grew up in town, known for cooking blog

OLD LYME, Conn. — Allyson Marie Cleary, a former resident of Agawam, passed away on Jan. 8 at her home. Allyson (Ally) was born Nov. 4, 1974, in Springfield, the daughter of Joseph G. Cleary of Old Lyme, Conn., and Denise L. (Bagley) Emery of Agawam.



Spending up, Ally was involved in several different activities and interests, including chess and soccer. She completed her elementary education at Holy Cross School in New Britain, Conn., before moving back to Agawam with her parents.

Ally was a 1989 graduate of Cathedral High School in Springfield, and in 1993 earned her associate's degree as a legal assistant from Bay Path College in Longmeadow. While a student at Bay Path, Ally was very involved in the theater department, working behind the scenes and was considered a great asset to the success of the productions.

She was employed many years at Greenberg Trautman, first in Orlando, Fla., before moving to Philadelphia. It was there that she also developed a love for writing and cooking. Ultimately, Ally was able to turn her passions into real life success when she became the founder and publisher of the well-known blog "Cooking in Silabites."

Some of Ally's most treasured moments include her time spent on the set of the "Dance of the Witches" Party USA event, and her love of music, cooking and her friends with whom she had maintained lifelong friendships.

Allyson is survived by her mother and father, her maternal grandmother, Mary Bagley of Agawam, her uncle and aunt, Dr. & Mrs. Cleary of Agawam, her brother, Joseph, and her sister, Denise, all of Agawam. She is also survived by her nephew, her niece, and her great-nephew, all of Agawam.

Allyson was born in Springfield, Mass., and grew up in Agawam. She was a member of the Holy Cross School in New Britain, Conn., and was a graduate of Cathedral High School in Springfield. She was a legal assistant at Greenberg Trautman in Philadelphia.

Allyson was a member of the Holy Cross School in New Britain, Conn., and was a graduate of Cathedral High School in Springfield. She was a legal assistant at Greenberg Trautman in Philadelphia.

OBITUARY

Cleary, Allyson M.
Died Jan. 8.
Funeral 10
St. Mary's of the Sea Church
New Britain, Conn.

Thorne, Joan B.
Died Jan. 9.
Funeral Jan. 12
Colonial Forster's Funeral
Home of Agawam

Malone, Thomas P.
Died Jan. 10.
Funeral Jan. 13
Colonial Forster's Funeral
Home of Agawam

Agawam, Agawam News OBITUARY POLICY

Funeral Publications
offers two types of
obituaries:

- Obituaries that brief
- Deaths, names, listing
- the name of deceased,
- date of death and
- funeral date and place.
- The other is a Paid
- Obituary, costing
- \$75, which allows
- families to publish
- extended death notices
- information of their
- own choice and may
- include a photograph

Don't see it.

Town Engineer Michelle Chase added there are several problem areas for drainage in town, such as Ramoth Circle North, that already have a system that gets overwhelmed and floods during heavy storms and is a growing concern.

“Sooner or later, we’re going to have to improve that system before it washes out a building,” she said.

Death Notices & Pallbearers
should be submitted through a funeral home.

The Stormwater Advisory Task Force will hold its next meeting to continue discussions on the project and funding methods on Tuesday, Feb. 6. Additional information on the project, funding structures, scheduling and updates will be posted at www.agawam.ma.us/SW-TaskForce.

Exceptions will be made only when the family provide a death or physician and must be pre-paid.

44-38861-1

The Agawam Planning Board will hold a pub-

Stormwater Task Force to meet Tuesday

Agawam's Stormwater Advisory Task Force will meet at 6 p.m. Tuesday, Feb. 6, to continue discussions on future funding needs for the stormwater management program and potential ways of meeting those needs.

The meeting will be in the Community Room at Agawam Public Library, 750 Cooper St. On the agenda are an update on public engagement efforts; a discussion on creating a stormwater system education video;

and a review of the draft final report of the committee.

The task force has been asked to determine how the town should catch up on years of deferred maintenance on the stormwater system, which is separate from the sanitary sewer, and how it must respond to stricter federal mandates coming into effect. The task force has discussed implementing a new stormwater utility fee, which would assess property owners based

upon their square footage of impervious surface as a means of raising the funds necessary for this work.

All residents of Agawam are welcome to attend any task force meetings.

More information about the task force and the current stormwater management program, including informational documents and presentations from former task force meetings, can be found at www.agawam.ma.us/SW-TaskForce.

Library takes pajama donations for needy kids

The Agawam Public Library has teamed up with the Boston Bruins to participate in their annual pajama drive to benefit DCF kids and Cradles to Crayons. The 14th drive goal is to collect 15,000 pairs of new pajamas for children and teens in need.

It's hard to imagine that so many kids and teens don't know the comforting feeling of snuggles on PJ's before settling down to sleep, said Pamela Weingart, youth services librarian. "We're happy to be part of an effort to change that. The Bruins are donating 1 through 14 sizes to the library, which we'll collect and now pass to pajamas for needy children and teens."

Bruins forward P.J. Axelsson and his wife, Siw, started the PJ drive during the Boston Bruins' 2007/08 season as a way to give back to their community.

The couple collected 1,600 pairs of pajamas for Cradles to Crayons, which connects with social service agencies to identify specific children in need. In 2017, the drive expanded to benefit DCF's Wonderfund. DCF estimates that at any given time, the agency is working with 45,000 babies, children and teens. DCF's participation helps ensure that its stay in the home in which they were collected is something local kids and teens can relate to. A social service partner from Massachusetts that benefits from the PJ drive spoke about the drive's impact.

"I'm in his mom and two brothers are living in an apartment that is not heated properly," she said. "The bedrooms are very cold at night and as a result the children are often sick. Mario and his brothers were also not

sleeping well and would end up sleeping together in order to stay warm. Cradles to Crayons was able to provide the family with pajamas, warm clothing, bedding and blankets. This allowed us to save money and focus on finding a new, better heated apartment."

The Massachusetts Board of Library Commissioners works with the Boston Bruins to coordinate library participation in the drive. Libraries from around the state use the Massachusetts Library System's delivery service, typically used to send books and other library materials, to send their PJ's to pre-collection locations, which increases libraries' ability to participate in the drive.

For more information, call the Agawam Library Children's Room at 413/694-1540, ext. 3.

Boston comedian to headline Lions comedy show

The Agawam Lions Club will host its 14th annual Comedy Show on Saturday, March 3, at Oak Ridge Golf Club in Fitchburg. All proceeds from this year's show will benefit the Massachusetts Lions Eye Research Fund Inc. Headlining this year's show is Boston comedian Mark Seale. The show will also feature comedians P.J. Edmonds and Kyron Hobdy. Concession food will be available for purchase and a cash bar

will be open. A large selection of raffle prizes, including a popular 50/50 raffle with a grand prize of \$10,000, will be offered. Doors open at 6 p.m. The show starts at 7 p.m.

Tickets are \$20 per person in advance or at the door. To purchase in advance, see any Agawam Lions Club member, message the club on Facebook or contact Dick Lanier, club secretary, at 413-245-3431. Ticket prices are reserved for parties of eight or more.

As "Knights of the Blind," Lions Clubs Worldwide strive to fund sight-saving initiatives, research, and education. The Agawam Lions Club is proud to have donated a raffle prize to the American Red Cross.

To stay up-to-date on Agawam Lions Club community events and fund-raising efforts, follow the Agawam Lions Club on Facebook or visit www.agawamlions.org.

Six Flags to host job fair for 3K seasonal positions

Six Flags New England plans to hire more 3,000 seasonal employees for the 2018 season. The theme park

will have job fairs from 11 a.m. to 4 p.m. on Feb. 2, 3 and 4. Positions available include admissions, culinary services, games, lifeguards, loss prevention, park services, EMT, security, entertainment and retail and rides.

Chances for entertainment auditions will be available all three days of the job fair. Six Flags is seeking performers, dancers, singers and technical staff.

Hazardous waste collection in Sept.

The Agawam Department of Public Works will hold its annual Household Hazardous Waste Collection Day from 9 a.m. to noon Saturday, Sept. 9, at the DPW Annex, 1000 Suffield St., Agawam. This program offers residents a safe, economical way to dispose of household items that are flammable, reactive, corrosive or toxic.

Solvents, pesticides, caustic cleaners, and oil based paints are some examples of the different types of items that will be accepted. For a complete list of acceptable materials, visit www.agawam.ma.us.

This event is free to Agawam residents, but advance registration is required. Appointments may be scheduled by calling the DPW at 413-821-0600, ext. 0, or 413-821-0624, beginning Monday, Aug. 14.

8/16
Agawam

Volunteers sought for Earth Day cleanup

The Westfield River Watershed Association will be looking for volunteers of all ages on Saturday, April 21, to help clean trash and debris from the various rivers and streams in the Westfield River watershed.

Volunteers should meet no later than 9 a.m. at Pynchon Point at the South End Bridge Circle on River Road in Agawam. Orientation and cleanup assignments will be given at 9 a.m., along with gloves and trash bags. Assignments are generally completed by 1 p.m. or earlier.

Volunteers of all ages are welcome, but children must be supervised by an adult. WRWA will arrange with local communities for pickup of trash and debris recovered at each site. The rain date for the event is Sunday, April 22.

For more information, contact Sheryl Becker at 413-374-1921 or at sherlearth69@gmail.com. To learn more about the WRWA, visit www.westfieldriver.org.



Bill Rose adds to the pile of trash removed from the shoreline near Pynchon Point during 2015's Earth Day cleanup. FILE PHOTO

April 5, 2016

Applause Series fundraising begins

The Agawam Cultural Council has begun its fundraising campaign for the 15th season of its popular Applause Series. Since these 10 one-hour events are offered free to the community, the Cultural Council relies on the generosity of its community partners — local businesses, medical groups, elected officials and the general public. For a minimum donation of \$25, contributors will have their names prominently displayed at all Applause Series events. Contributions to the Agawam Cultural Council qualify as tax-deductible donations.

To make a contribution, provide the following information that will appear in the community partner list: contact information, including email address and phone number, and a check made out to Agawam Cultural Council. Mail to Agawam Cultural Council, Town Hall, 36 Main St., Agawam, MA 01001. For a donation form, contact Bob Kadis at rkadis@comcast.net or phone 413-789-4814. The form contains a list of the events which can be sponsored and the sponsor fees for each event.

Additional information on the re-

marking is available on the present season of the Applause Series at www.agawamculturalcouncil.org.

The Agawam Cultural Council is an all-volunteer, local, purpose-driven organization. The Agawam Cultural Council is a state agency that provides, part of its funding, the council is charged with bringing together artists, educators, and the arts, humanities, and sciences to children and adults from Agawam and the surrounding communities. There are three ways to join or to serve on the Agawam Cultural Council.

Lifetime of letters frames romantic play

Award-winning stage actors and directors, Margie Secora and Lytle Pearson, make the stage for a free performance next week of the A.R. Gurney play "Love Letters."

Secora and Pearson portray childhood friends who, during a lifetime of correspondence, share cards, notes and

letters revealing the hopes, dreams, successes and disappointments that have bonded them "romantically."

Doors open at 6:45 p.m. Friday, Feb. 2, for this free staging, part of the Agawam Cultural Council's Applause Series, at the Senior Center, 954 Main St., Agawam.

Additional information on each of the Applause Series events is available at www.agawamculturalcouncil.org.

The Agawam Cultural Council is an all-volunteer local partner of the Massachusetts Cultural Council, a state agency, which provides part of its funding.

Critical need at local blood drives Sat. Times

Saint Camillus Guild at Sacred Heart Church will host a blood drive sponsored by Baystate Medical Center from 10 a.m. to 3 p.m. Saturday, Jan. 27. The event will take place at the Parish Center, 1061 Springfield St., Springfield.

There is a critical need for blood during the winter months due to an

increase in trauma-related injuries and winter weather-related injuries. All donors will receive a gift card. For more information, call 401-853-0000 or an appointment to donate, call Don Brancaccio, pastoral minister at 401-785-8200 ext. 3.

A Red Cross blood drive will be held in Agawam from 11 a.m. to 4 p.m.

on Tuesday, Jan. 30, at the Agawam Public Library, 7501 Rogers St. It is scheduled as an appointment to donate. For more information, call 401-785-8200 or an appointment to donate, call Don Brancaccio, pastoral minister at 401-785-8200 ext. 3.

A Red Cross blood drive will be held in Agawam from 11 a.m. to 4 p.m.

Volunteers sought to help renew town's Energy Commission

Agawam is reestablishing the Energy Commission and is seeking to appoint town residents to fill vacant positions on the board.

The Agawam Energy Commission is tasked to identify, develop, implement, and manage programs and policies that achieve high levels of energy efficiency and resource sustainability.

Anyone interested in serving on this committee should contact the mayor's office at 413-726-6400 ext. 6200 for more details, or forward a completed nomination form to the Mayor's Office, Town of Agawam, 35 Main St., Agawam, MA 01001.

Safe disposal of sharps at town Health Dept.

The Agawam Health Department is reminding all residents that they are not allowed to dispose of their unused or used syringes, needles and lancets in the household trash or recycle bins, regardless of whether they are empty or contain a small amount of blood.

Since July 2012, the Health Department has offered the Safe Needle Disposal Program. Residents may now obtain a pre-approved 2-gallon sharps container for \$7, which includes disposal when the filled container is returned to the Health Department. Medical sharps containers may be purchased at any medical supply store and brought to the Health Department for disposal free of charge. Closed containers, laundry detergent containers, milk bottles and soda bottles are not accepted containers and will not be accepted.

The Health Department is at Agawam Town Hall, 36 Main St.

Sacred Heart offers

Calendar 15
Church List 4
Classifieds
Crossword
Mall
Daily News

Jenks gift aids c. 1757 Smith House

During its annual post-lunch dinner, the Agawam Historical Association received a memorial gift to help pay down the mortgage on the c. 1757 Jenks Smith House, 110 North West Street, owned and operated by the association.

One of the founding members of the association, Buddy Jenks, retired Agawam town clerk, presented the association with a memorial to the memory of his beloved wife, Joan. Joan and Buddy were instrumental in the development of the Smith House as a historical association, working from its early beginnings in 2002. They were devoted advocates of the town's history and its preservation. Their gift will help to insure the association will be able to provide the town with a link to its agricultural past and preserve a rare example of one of the few remaining original 18th century farm-houses surviving anywhere in the state.

South Dennis



Buddy Jenks, Agawam town clerk, and Joan Jenks, Agawam Historical Association member, present the memorial gift to the association. Jenks is the town clerk, and Joan is the association's president. Standing next to them are Agawam Historical Association members, including Joan Jenks, treasurer, and Joan Jenks, South House coordinator, and the Jenks family, including Joan Jenks, president, and Joan Jenks, South House coordinator.

APD program takes unused, expired Rx pills

The Police Department recently received Agawam residents' that expired and unused medications, in pill form only, may be brought to the Police Headquarters lobby at 631 Springfield St., Reeling Hill, for safe disposal. Pills may be combined to gether in one bag, and do not need to be in the original packaging for disposal.

Medications that are not accepted in the lobby may be combined with other pills and brought to the lobby for disposal. In addition to ointments, lotions, and creams.

Other medications are also not accepted and must be disposed of through other arrangements for disposal of these pills should be made with the treatment clinic.

Church plans Chocolate Affair again next month

The "Chocolate Affair" will again be held at the Agawam Congregational Church, 745 Main St., Agawam, on Friday, Feb. 10, from 1 to 3 p.m. For an admission charge of \$5, attendees will be able to choose samples of sweet chocolate treats and enjoy a free cup of coffee or tea.

Judge cakes, cookies, tarts, hot fudge sauce and everything chocolate will be available by the door. The day's events will also include a raffle of chocolate, Valentine and jewelry gift items, just in time for Valentine's Day.

Appendix 1F

Year 15

Informational Pamphlets

Workshop for Businesses

Agawam's Stormwater Program:
Needs and Funding Options

When: Tuesday, January 16th, 6:30 to 8 pm

Where: Agawam Public Library
Community Room
750 Copper Street, Agawam

Note: Because space is limited,
attendees must RSVP

RSVP by Friday, January 12

Pioneer Valley Planning
Commission

Mary Matzik or Patla Delskey at
(413) 781-6045

mmatzik@pvppe.org

pdelskey@pvppe.org

For more information visit the news section of
the town website at www.agawam.ma.us



Appendix 2A

Year 15

Adopt-a-Road



VOLUNTEERS WANTED!

WESTFIELD RIVER CLEANUP

Sat., September 23, 2017

9:00 a.m. to 1:00 p.m.

***Sponsored by the Westfield River
Watershed Association
(www.westfieldriver.org)***

Please meet no later than 9:00 a.m. at one of two meeting sites for orientation and cleanup site assignments. WRWA will provide gloves and other supplies.

- **In Westfield, meet at the public parking lot at the end of Meadow St. near the Green Bridge.**
- **In Agawam, meet at Pynchon Point at the South End Bridge Circle, River Road.**

For more info., contact Mark Damon for the Westfield cleanup at 413-977-1577 or markjdamon@gmail.com. For the Agawam cleanup, contact Sheryl Becker at 413-374-1921 or sher1earth69@gmail.com.



VOLUNTEERS WANTED!

WESTFIELD RIVER WATERSHED CLEANUP

Sat., April 21, 2018

Rain date April 22nd

***Sponsored by the Westfield River
Watershed Association
(www.westfieldriver.org)***

Please meet no later than 9:00 a.m. at one of two meeting sites for orientation and cleanup site assignments. WRWA will provide gloves and other supplies.

- **In Westfield, meet at the public parking lot at the end of Meadow St. near the Green Bridge.**
- **In Agawam, meet at Pynchon Point at the South End Bridge Circle, River Road.**

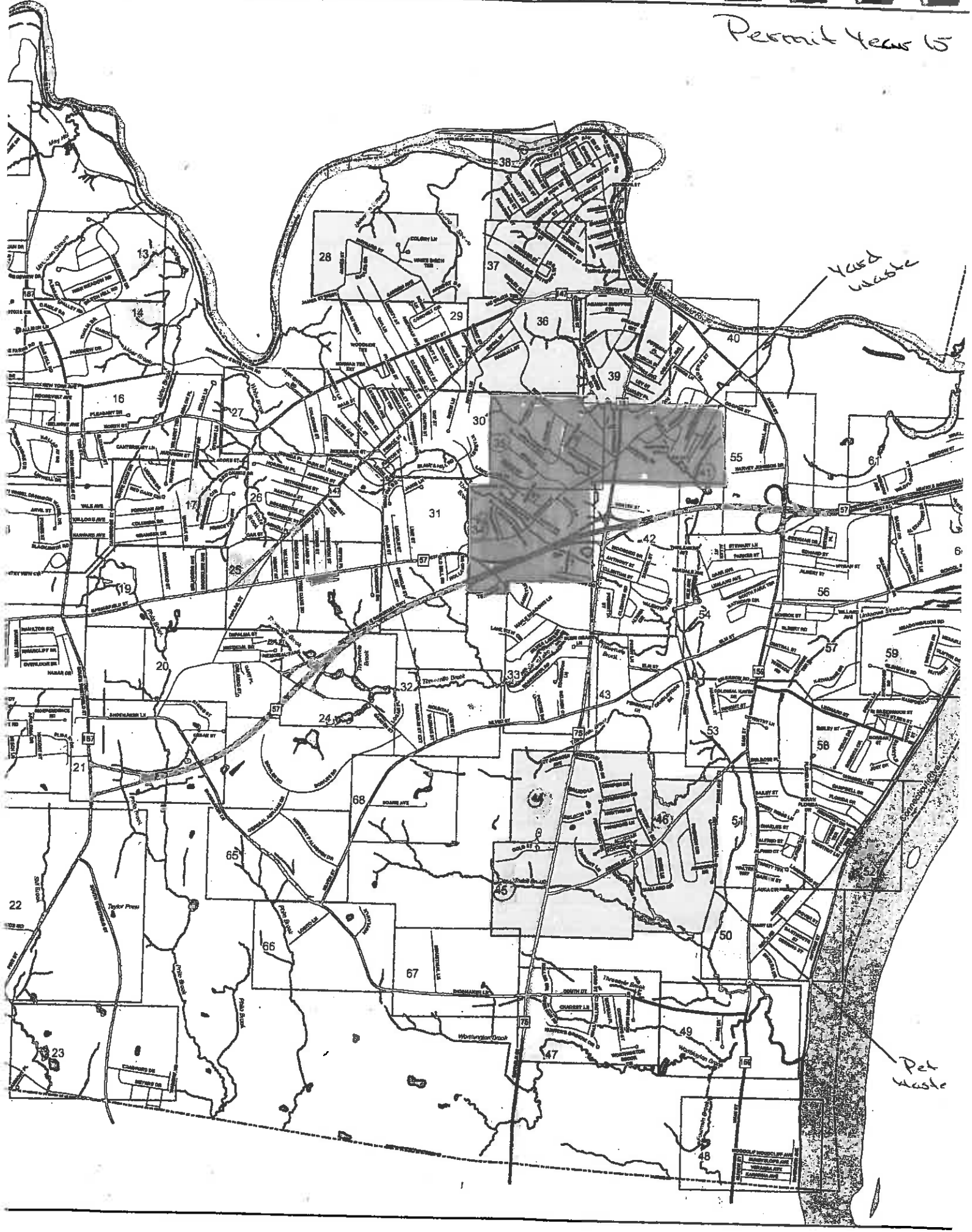
For more info., contact Mark Damon for the Westfield cleanup at 413-977-1577 or markjdamon@gmail.com. For the Agawam cleanup, contact Sheryl Becker at 413-374-1921 or sher1earth69@gmail.com.

Appendix 2C

Year 15

Catch Basin Marking

Permit Year 15



STORM DRAIN DATA INFO

Date of Installation: _____

Volunteer Group / Name: _____

Street Targeted: _____

Number of Storm Drains _____

Number of Markers Installed _____

OBSERVATIONS

Please check below- items found within five feet of each side of the storm drain marked by storm drain marker.

Non-Point Source Pollutants:

Grass Clippings _____

Leaves _____

Motor Oil _____

Paint _____

Pet Wastes _____

notes:

Street Litter, Including:

Beverage Bottles _____

Beverage Cans _____

Caps / Lids _____

Cigarette Butts _____

Clothing _____

Fast Food Wrappers _____

Newspaper/Magazines _____

Paper Bags _____

Plastic Bags / Wrappers _____

Plastic or Foam Cups _____

Six Pack Holders _____

Straws _____

Other: _____

Storm Drain Conditions: _____

Appendix 2D

Year 15

Watershed Committee

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

Member Community	Committee Representatives and Departments
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 10th 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



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.

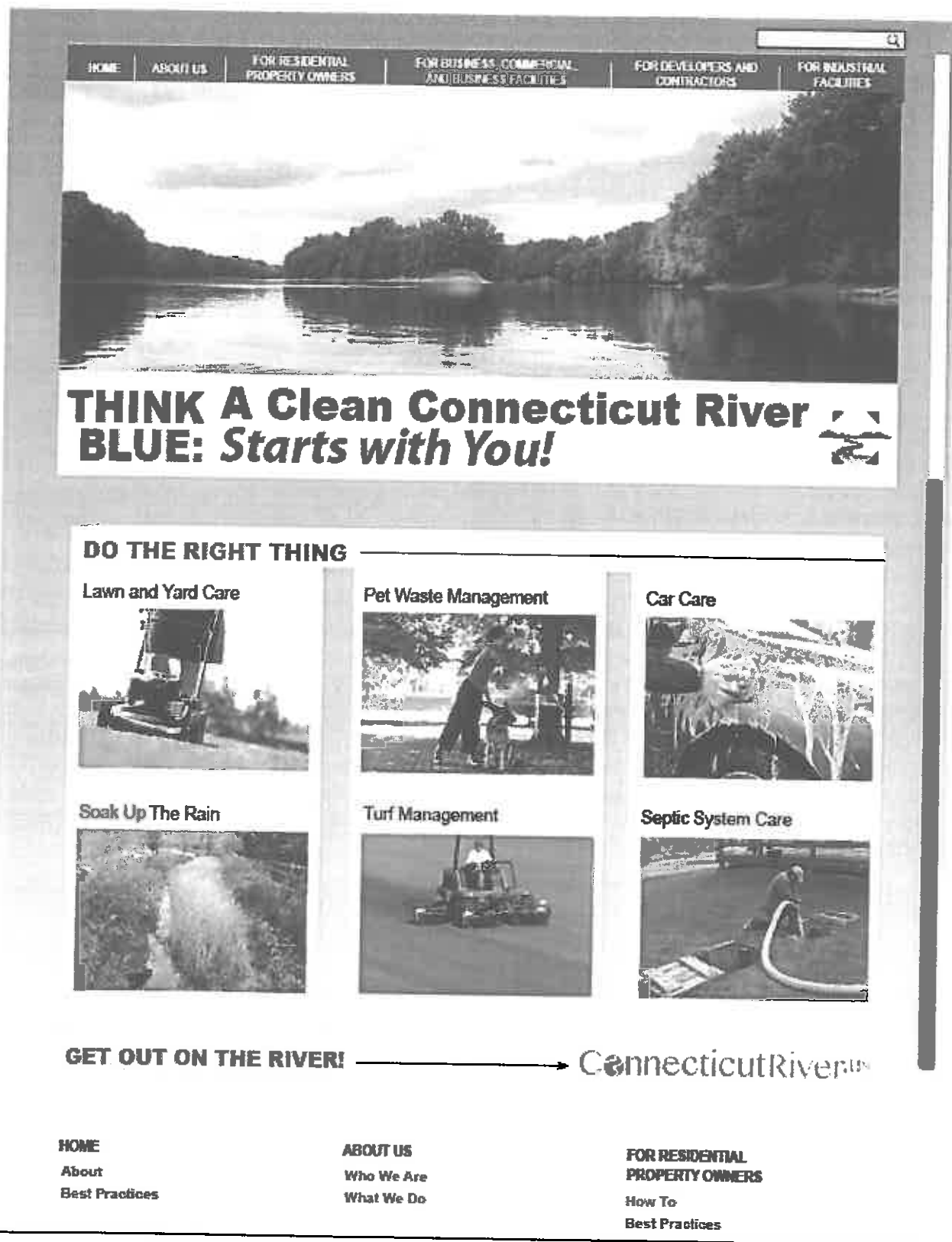
2. Designed website for Connecticut River Stormwater Committee

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 if 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.



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.

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.

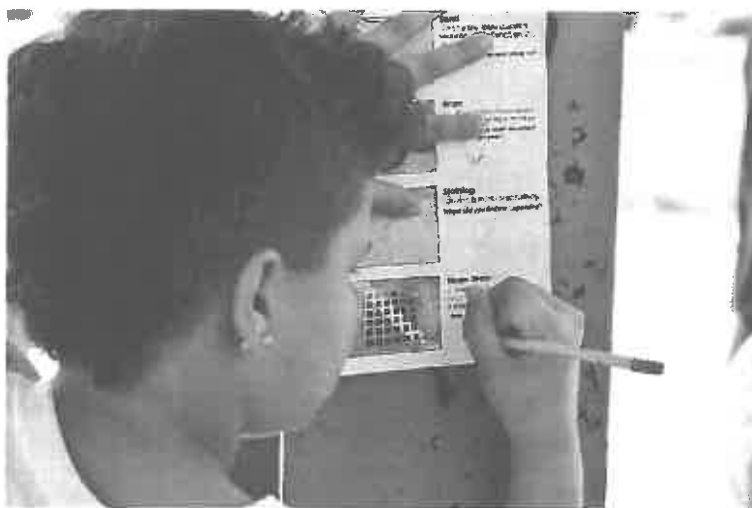
The mural, which relates the unseen journey of Day Brook in Holyoke, was unveiled at a ribbon cutting event at Community Field in June. The event for the mural included stormwater learning stations, including rain gardens in a cup activities. The storywalk unveiling occurred at the Sullivan School in 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.



Appendix 3D

Year 15

Inform Employees, Businesses, and Public

NO GREASE DOWN THE DRAIN!

- Scrape Food from Dishes and Pans into the Trash Before Washing
- Dry Wipe Pots & Pans Before Washing
- Clean up Grease Spills with Paper Towels & Discard in the Trash
- Do Not Dispose of Waste Food thru the Garbage Disposal
- Routinely Inspect and Clean Grease Traps & Keep Records



¡NO TIRE ACEITE/GRASA POR EL DRENAJE!

- Remuevas los alimentos de los platos, sartenes y ollas y tírelo a la basura antes de lavarlos
- Limpie los derrames de aceites/grasa con papel toallas y tírelo a la basura
- No tire la sobra de los alimentos al triturador de basura del fregadero
- Inspeccione y limpie las trampas de grasa de forma rutinaria y mantenga registro



**Working Together,
We Can Cease the Grease!**

AGAWAM DPW • 413-821-0600

Preventing Stormwater Pollution

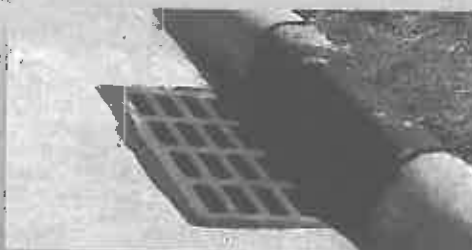
A Food Industry Guide

There is a big difference between a sanitary sewer and a storm drain.

The *sewer system* takes all wastewater from toilets, sinks and showers to a wastewater treatment facility, where the water is treated before it is discharged to a water body.

The *storm drain system*, on the other hand,

collects rainwater from city streets and urban areas to prevent flooding. Unfortunately, chemicals, oil, trash and other debris that have been spilled accidentally or intentionally can also enter the storm drain system. The water from storm drains typically flows untreated to a nearby stream, river or other water body, causing water pollution.



Storm Drain / Catch Basin

Stormwater Pollution causes erosion, habitat degradation, and poor water quality, impacting commercial and recreational fishing, swimming, and boating.

Dumping waste onto the street is a large contributor of water pollution in the country and it is against the law.

Your business can help protect the Connecticut River and other local water resources by adopting Best Management Practices (BMPs) – simple, inexpensive and environmentally friendly ways to prevent water pollution.



Storm Drain Outfall



In most communities, dumping waste into the storm drain is punishable by fines.

Sources of Pollution

- Dumpster and loading dock area maintenance
- Equipment cleaning
- Grease handling and disposal
- Landscaping and grounds maintenance

Pollutants Include

- Bacteria
- Organic materials (food wastes)
- Trash
- Oil and grease
- Toxic chemicals (cleaning products, disinfectants)

Only Rain Down the Drain

- Make sure all pipes inside the business are connected to the sewer system, not the storm drain system.
- Label all drains within the facility boundary as sewer or storm drain, and explain to employees the difference between the sewer and storm drain system.
- Use dry methods for spill cleanups.
- Pour rinse water into drains connected to the sewer, not the storm drain system.
- Never clean equipment outside where water may flow to an unprotected storm drain.
- If floor mats are too big to clean indoors, contract with a mat cleaning service or clean in an area that drains to the sewer.
- For outside eating areas:
 - Sweep or vacuum daily.
 - Cover storm drain before wet cleaning, such as pressure washing.
 - Collect washwater and dispose of in a sewer, not a storm drain.
- Keep dumpster areas clean and prevent liquid leaking.
- Don't hose out dumpsters. Call your solid waste hauler when your dumpster is leaking or in need of cleaning or repair.

Manage Grease Waste

- Install a grease trap or interceptor.
- Clean grease trap regularly.
- Make sure grease bins are tightly closed and on level ground.
- Recycle grease and oil. Do not contaminate the recyclable oils and grease in the tallow bin with the waste grease from the grease trap or grease interceptor.
- Keep grease that is stored outside contained under a roof.
- Contract with a grease hauler to regularly service and empty your grease waste.

Prevent Toxic Waste Pollution

- Use non-toxic cleaners. Purchase commercially available alternatives or make your own cleaning solutions: www.eartheasy.com/live_nontoxic_solutions.htm.
- Dispose of detergents and toxic waste properly, including used cleaners and rags (soaked with solvents or conventional floor cleaners).

Clean Up Spills

- Stockpile spill cleanup materials where they will be readily available.
- Spot clean leaks and drips routinely.
- Clean leaks, drips and spills with as little water as possible. Use rags for small spills, a damp mop for general cleanup, and dry absorbent material for larger spills.
- Remove the absorbent materials and dispose of properly.
- Keep the spill from entering streets, gutters and storm drains.
- Do not use bleach or disinfectants if there is a possibility the rinse water could flow to streets, gutters, or storm drains.

Train Employees

- Train employees on proper spill containment and cleanup procedures.
- Train all new employees and conduct annual refresher training.
- Use a training log to document training.

For More Information CheckOut...

*What's Cookin? Eating and Drinking Establishments:
Stormwater Best Management Practices*

www.projectcleanwater.org/pdf/food_guide-final.pdf

For more information on preventing stormwater pollution
log onto www.ThinkBlueMA.org



Appendix 3F

Year 15

Failing Septic Systems

64 Taft Street
30 Bradford Drive
304 Southwick Street
117 Red Fox Drive
186 Barry Street
548 Barry Street
39 Beech Hill Road
23 White Fox Drive
38 Spruce Circle
451 Barry Street
43 Spruce Circle
190 Maynard Street
186 North West Street
48 Joanne Circle
104 Robin Ridge Drive
196 Corey Street

Appendix 6B

Year 15

Training of Municipal Employees

THE COMMONWEALTH OF MASSACHUSETTS

EXECUTIVE OFFICE OF ENERGY AND ENVIRONMENTAL AFFAIRS



Department of Agricultural Resources

251 Causeway Street, Suite 500, Boston, MA 02114

617-626-1700 fax: 617-626-1850 www.mass.gov/agr



December 18, 2017

Jay Lewis Harvey
56 Winding Lane
Springfield, MA 01118

Dear Jay Lewis Harvey,

The Department of Agricultural Resources, Pesticide Program has reviewed your application for the **Applicator (Core) License**. The Department is pleased to inform that you have complied with the procedures set forth in State Pesticide Regulations and are qualified for Pesticide Licensure in the Commonwealth. The below credentials must be on your person at all times.

Your Massachusetts Pesticide License Number is **AL-0023596** and is valid until **12/31/2018**.

If you have any questions regarding this Massachusetts Pesticide License or the responsibilities of the professional holding this certificate, please contact Steven Antunes-Kenyon at 617-626-1784 or via email at steve.kenyon@state.ma.us

Sincerely,

Steven E. Antunes-Kenyon

Steven Antunes-Kenyon
Pesticide Operations Coordinator
MDAR - Pesticide Program

*Jay Harvey
re-imburse \$100 for Pesticide License*

Your 3-year training cycle ends on the date below, at which time, you may be audited to verify all contact hours (credits) earned during the prior 3-years 07/01/2018.

Directions:

- Sign license document.
- Carefully cut out credential
- Laminate for its protection

COMMONWEALTH OF MASSACHUSETTS	
Department of Agricultural Resources	
PESTICIDE CERTIFICATION/LICENSE	
Jay Lewis Harvey	
56 Winding Lane Springfield, MA 01118	
License Type	Date Issued
Applicator (Core) License	12/18/2017
License Number	Expiration Date
AL-0023596	12/31/2018

Sign here

V 35284

COMMONWEALTH OF MASSACHUSETTS



Department of Agricultural Resources

PESTICIDE CERTIFICATION/LICENSE

matthew james carrington

36 Vadnais St

Agawam, MA 01001

License Type

Applicator (Core)

License Number

AL-0033222

Date Issued

2/8/2018

Expiration Date

12/31/2018

Matthew Carrington
Sign Here

Two MS4 Permit Compliance Workshops for Connecticut River Stormwater Committee Members

Westfield State University, Scanlon Hall, Living Room

**Wednesday,
November 8, 2017
8:30 to 11 a.m.**

Good Housekeeping

Learn about both the specific components and scope of the Stormwater Pollution Prevention Plan (SWPPP) and the control measures required under the MS4 permit for maintenance garages, public works yards, transfer stations, and other waste handling facilities where potential pollutants are exposed to storm water.

Best practices to be covered will include:

- Vehicle storage, fueling, and washing
- Storage of materials (salt & sand, petroleum products, and any other potential stormwater pollutants)
- Spill prevention and response
- Municipal facilities inspections as part of the SWPPP
- Catch basin inspection, cleaning, and maintenance
- Collection and recording of required data

**Thursday,
November 9, 2017
8:30 to 11 a.m.**

Illicit Discharge Detection and Elimination (IDDE)

Learn about IDDE program requirements, how to detect and recognize illicit discharges and sanitary sewer overflows, and use of procedures and equipment.

The training will cover:

- IDDE program overview and key components
- Field screening of outfalls for dry weather flow
- Sampling and source tracking dry weather flows
- System vulnerability factors
- Sampling wet weather flows (where there is a minimum of 1 system vulnerability factor)
- Data collection and recording



Catalyst for Regional Progress

pvpC

WRIGHT-PIERCE  **70**
Engineering a Better Environment YEARS 1947 - 2017

Workshops are made possible with funding from
the Baker-Polito Administration's
Community Compact Cabinet's
Efficiency and Regionalization Grant Program

**Registration by November 1 is required. Call Mary Mazik
or Paula Delskey at 413-781-6045.**

MS4 Permit Compliance Workshop - Illicit Discharge and Detection

November 9, 2017, 8:30 to 11 a.m.

Initial if present	Name	Title	City/Town	Phone	E-mail
	John Decker	DPW Highway Department	Agawam	413-821-0264	JDecker@agawam.ma.us
2	Brian Blackzak	DPW Highway Department	Agawam	413-821-0264	
3	Mike Albrow	DPW Highway Department	Agawam	413-821-0264	MAlbrow@agawam.ma.us
4	Ben Ashley	DPW Highway Department	Agawam	413-821-0264	BAshley@agawam.ma.us
5	Chris Laurenzo	Highway Supervisor	Belchertown	413-323-0415	claurenzo@belchertown.org
6	Ed Burton	Highway Foreman	Belchertown	413-323-0415	eburton@belchertown.org
7	Quinn Lonczak	Project Supervisor	Chicopee	413-594-3585	qlonczak@chicopeema.gov
8	Jeff Neece	Superintendent	Chicopee	413-594-3557	jneece@chicopeema.gov
9	Ela Soja	Assistant Superintendent	Chicopee	413-594-3557	esoja@chicopeema.gov
10	Dan Murphy	City Engineer	Easthampton	413-665-5555	dmurphy@easthamptonwater.com
11	Bruce Fenney	Superintendent	East Longmeadow	413-246-3685	bruce.fenney@eastlongmeadow.gov
12	Dave Desrosiers	Highway Superintendent	Granby	413-467-7575	daved@granbyma.org
13	Brian Pike	Mechanic	Granby	413-467-7575	
14	Russ Aurnhammer	Mechanic	Granby	413-467-7575	
15	Andy Krar	Town Engineer	Longmeadow	413-567-3400	akrar@longmeadow.org
16	Pete Vancini	Engineering Aide	Longmeadow	413-567-3400	pvancini@longmeadow.org
17	Doug McDonald	DPW Highway Department	Northampton	413-587-1582	dmcDonald@northamptonma.gov
18	Katie Sadosiwitz	DPW Highway Department	Northampton	413-587-1582	

MS4 Permit Compliance Workshop - Good Housekeeping

November 8, 2017, 8:30 to 11 a.m.

Initial if present	Name	Title	City/Town	Phone	E-mail
TD	1 Tracy DeMaio	Environmental Project Coord.	Agawam	413-821-0624	Tdemaio@agawam.ma.us
JP	2 Ron Pignatere	DPW Highway Dept.	Agawam	413-821-0624	
H.R.	3 Howard Rogers	DPW Highway Dept.	Agawam	413-821-0624	
SB	4 Steve Bonesteel	DPW Highway Dept.	Agawam	413-821-0624	
CL	5 Chris Laurenzo	Highway Superintendent	Belchertown	413-323-0415	claurenzo@belchertown.org
EB	6 Ed Burton	Highway Foreman	Belchertown	413-323-0415	eburton@belchertown.org
QJ	7 Quinn Lonczak	Project Supervisor	Chicopee	413-594-3585	glonczak@chicopeema.gov
	8 Jeff Neece	Superintendent	Chicopee	413-594-3557	ineece@chicopeema.gov
	9 Ela Soja	Assistant Superintendent	Chicopee	413-594-3557	esoja@chicopeema.gov
DM	10 Dan Murphy	City Engineer	Easthampton	413-665-5555	dmurphy@easthamptonwater.com
	11 Bruce Fenney	Superintendent	East Longmeadow	413-246-3685	bruce.fenney@eastlongmeadow.gov
DD	12 Dave Desrosiers	Highway Superintendent	Granby	413-467-7575	daved@granbyma.org
BP	13 Brian Pike	Mechanic	Granby	413-467-7575	
RA	14 Ross Aurnhammer	Mechanic	Granby	413-467-7575	
V	15 Andy Krar	Town Engineer	Longmeadow	413-567-3400	akrar@longmeadow.org
V	16 Pete Vancini	Engineering Aide	Longmeadow	413-567-3400	pvancini@longmeadow.org
✓	17 Doug McDonald	DPW Highway Dept.	Northampton	413-587-1582	dmcDonald@northamptonma.gov
✓	18 Rich-Parasiliti	DPW Highway Dept.	Northampton	413-587-1582	

Appendix 6C

Year 15

Catch Basin Cleaning Program

**TOWN OF AGAWAM
CATCH BASIN CLEANING
LOCATION LIST**

LOCATION		BASINS			
#	STREET	COST EA.	#	TOTAL	
14	Washington Street	\$ 147.50	1	\$	147.50
34	Washington Street	\$ 147.50	1	\$	147.50
60	Washington Street	\$ 147.50	1	\$	147.50
12	Potomac Avenue	\$ 147.50	1	\$	147.50
1	Reed Street	\$ 147.50	1	\$	147.50
25	Reed Street	\$ 147.50	1	\$	147.50
38	Reed Street	\$ 147.50	1	\$	147.50
41	Reed Street	\$ 147.50	1	\$	147.50
42	Reed Street	\$ 147.50	1	\$	147.50
48	Reed Street	\$ 147.50	1	\$	147.50
51	Reed Street	\$ 147.50	1	\$	147.50
56	Reed Street	\$ 147.50	1	\$	147.50
76	Reed Street	\$ 147.50	1	\$	147.50
77	Reed Street	\$ 147.50	1	\$	147.50
84	Reed Street	\$ 147.50	1	\$	147.50
89	Reed Street	\$ 147.50	1	\$	147.50
94	Reed Street	\$ 147.50	1	\$	147.50
108	Reed Street	\$ 147.50	1	\$	147.50
113	Reed Street	\$ 147.50	1	\$	147.50
118	Reed Street	\$ 147.50	1	\$	147.50
127	Reed Street	\$ 147.50	1	\$	147.50
132	Reed Street	\$ 147.50	1	\$	147.50
8	Kensington Street	\$ 147.50	1	\$	147.50
9	Kensington Street	\$ 147.50	1	\$	147.50
45	Kensington Street	\$ 147.50	1	\$	147.50
46	Kensington Street	\$ 147.50	1	\$	147.50
65	Kensington Street	\$ 147.50	1	\$	147.50
66	Kensington Street	\$ 147.50	1	\$	147.50
89	Kensington Street	\$ 147.50	1	\$	147.50
94	Kensington Street	\$ 147.50	1	\$	147.50
105	Kensington Street	\$ 147.50	1	\$	147.50
108	Kensington Street	\$ 147.50	1	\$	147.50
338	North Street	\$ 147.50	1	\$	147.50
225	Poplar Street	\$ 147.50	1	\$	147.50
11	Samual Street	\$ 147.50	1	\$	147.50
SUBTOTAL INVOICE 1:			35	\$	5,162.50

**TOWN OF AGAWAM
CATCH BASIN CLEANING
LOCATION LIST**

LOCATION		BASINS			
#	STREET	COST EA.	#	TOTAL	
39	Cherry Street	\$ 147.50	2	\$	295.00
73	Cherry Street	\$ 147.50	2	\$	295.00
88	Cherry Street	\$ 147.50	2	\$	295.00
99	Cherry Street	\$ 147.50	2	\$	295.00
123	Cherry Street	\$ 147.50	2	\$	295.00
190	Cherry Street	\$ 147.50	2	\$	295.00
	Cherry St. @ North St.	\$ 147.50	1	\$	147.50
	New York Ave. @ N. Westfield St.	\$ 147.50	2	\$	295.00
	Meadowbrook Dr. @ Western Dr.	\$ 147.50	3	\$	442.50
71	Western Dr.	\$ 147.50	1	\$	147.50
	Mill St. @ Exit Ramp (@RT 57))	\$ 147.50	1	\$	147.50
106	Mill Street	\$ 147.50	2	\$	295.00
118	Mill Street	\$ 147.50	2	\$	295.00
144	Mill Street	\$ 147.50	1	\$	147.50
166	Mill Street	\$ 147.50	1	\$	147.50
182	Mill Street	\$ 147.50	2	\$	295.00
190	Mill Street	\$ 147.50	2	\$	295.00
224	Mill Street	\$ 147.50	2	\$	295.00
236	Mill Street	\$ 147.50	1	\$	147.50
	Overpass @ Tennis Rd.	\$ 147.50	1	\$	147.50
267	Mill Street	\$ 147.50	1	\$	147.50
227	Mill Street	\$ 147.50	1	\$	147.50
219	Mill Street	\$ 147.50	1	\$	147.50
154	Mill Street	\$ 147.50	1	\$	147.50
99	Mill Street	\$ 147.50	2	\$	295.00
	Muphy's Pub (Mill St @ Suffield St.)	\$ 147.50	2	\$	295.00
	Curran Jones Funeral Home	\$ 147.50	1	\$	147.50
	Holland Dr.	\$ 147.50	2	\$	295.00
	High School	\$ 147.50	3	\$	442.50
429	Mill Street	\$ 147.50	1	\$	147.50
482	Mill Street	\$ 147.50	1	\$	147.50
510	Mill Street	\$ 147.50	1	\$	147.50
544	Mill Street	\$ 147.50	1	\$	147.50
571	Mill Street	\$ 147.50	1	\$	147.50
616	Mill Street	\$ 147.50	1	\$	147.50
SUBTOTAL INVOICE 2:			54	\$	7,965.00

**TOWN OF AGAWAM
CATCH BASIN CLEANING
LOCATION LIST**

LOCATION		BASINS			
#	STREET	COST EA.	#	TOTAL	
628	Mill Street	\$ 147.50	1	\$	147.50
636	Mill Street	\$ 147.50	1	\$	147.50
646	Mill Street	\$ 147.50	1	\$	147.50
710	Mill Street	\$ 147.50	1	\$	147.50
740	Mill Street	\$ 147.50	1	\$	147.50
758	Mill Street	\$ 147.50	1	\$	147.50
766	Mill Street	\$ 147.50	1	\$	147.50
772	Mill Street	\$ 147.50	1	\$	147.50
761	Mill Street	\$ 147.50	1	\$	147.50
779	Mill Street	\$ 147.50	1	\$	147.50
	Mckinley St. @ Church	\$ 147.50	1	\$	147.50
1245	North Westfield St.	\$ 147.50	1	\$	147.50
1237	North Westfield St.	\$ 147.50	1	\$	147.50
SUBTOTAL INVOICE 3:			13	\$	1,917.50

INVOICE SUMMARY

SUBTOTAL INVOICE 1:	35	\$	5,162.50
SUBTOTAL INVOICE 2:	54	\$	7,965.00
SUBTOTAL INVOICE 3:	13	\$	1,917.50
TOTALS:	102	\$	15,045.00

Catch Basin Repair--2017

1. 5/30/17 528 Barry st---cb repair
2. 5/8/17 801 Springfield st ---cb repair
3. 4/11/17 84 gold st---cb repair and replaced top
4. 3/2/17 16 coventry ln.--- cb repair
5. 4/18/17 64 Hamilton cir.---cb repair
6. 5/4/17 49 forest rd.---cb repair
7. 6/8/17 52 Chesnut ln.---cb repair
8. 7/19/17 59 Karen dr.--- cb repair
9. 7/17/17 19 +33 cynthia pl.---cb repair
10. 3/1/17 dogpark,sheas field---cb repair
11. 3/29/17 Agawam high school---cb repair
12. 3/30/17 Northwestfield st. [pride gas]---cb repair
13. 4/3/17 Mill st. [across from high school at church]--- cb repair
14. 4/5/17 corner of walnut and springfield st.---cb repair
15. 4/24/17 42 Butternut dr.---cb repair, also granger school---cb repair
16. 5/25/17 18 south park terr.---cb repair
17. 7/12/17 meadowbrooke rd.---cb repair
18. 7/31/17 109 slyvan ln.---cb repair
19. 8/1/17 14 sunset terr.---cb repair
20. 8/17/17 Cooper st. in front of funeral home---cb repair
21. 8/30/17 Moore and High st.--- cb repair
22. 8/21/17 5 New York ave.---cb repair
23. 8/14/17 30 Cherry st.---cb repair
24. 9/9/17 barry st. at southwest st.---cb repair
25. 9/8/17 Reed st +main st. middle school parking lot--- cb repair
26. 9/12/17 410 Barry st.---mh repair
27. 10/16/17 Suffield st. at mill st. corner---cb repair also replace mh
28. 10/17/17 10 Bunker hill rd ---cb repair
29. 12/7/17 102 Anvil st.--- cb repair

