

**Stormwater Management Program Annual Report**  
**Six Minimum Measures Section-**  
 March 10, 2004 – March 9, 2005

Municipality Name:     **VILLAGE OF ARDSLEY**                      SPDES Number:   **NYR20A316**

Use this table to summarize your Stormwater Management Program (SWMP) Minimum Measures for Sections I through VI of the SWMPAR. We request that MS4s fill out this table electronically. The table is available in Microsoft Word and Corel WordPerfect, or you may duplicate this table manually. Send two completed **hard copies** (an original and a photocopy) of the previous MCC form, this form and the other SWMPAR reporting requirements to the DEC Central Office (MS4 Permit Coordinator, 625 Broadway, Division of Water - 4<sup>th</sup> Floor, Albany, NY 12233-3505).

**MINIMUM MEASURE 1: Public Education and Outreach in Stormwater Impacts**

**A. If Needed, Provide Additional Notes to Explain and/or Describe Changes to this Minimum Measure in Your SWMP:**

To facilitate outreach programs, the Village has established a modest budget line for SW Management activities. It will cover advertising costs, supplies for clean up events, drain stenciling and related activities. The Ardsley Beautification Committee has been re-established. Members become stakeholders in Phase II efforts. Outreach has expanded to include Village businesses, with direct visits by the SW Management (SWM) Assistant. “Hot Spot” businesses are being focused on. Instead of “cartoons”, webpage quizzes will be used (as used in 2/2005). Due to the expense of postings on the Village webpage, Yahoo Groups/Ardsley will be used more extensively to supplement web posting. The Ardsley Village Newsletter has been revived. Future issues will contain seasonal SW news updates. Announcement of SW activities have been added to the SW Cable TV page. New programming has not been available yet due to limited production staff; pre-produced video material will be sought for airing.

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
<b>List the planned management practices and any additional ones that you worked on.</b>	<b>Any done in the past year?</b>		<b>Describe activities that are planned for this minimum measure for next year’s SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.</b>
	<b>YES</b>	<b>NO</b>	
<b>REQUIRED TECHNIQUES</b>			

B. Implementation of Best Management Practices			C. Activities Planned for Upcoming Year
List the planned management practices and any additional ones that you worked on.	Any done in the past year?		Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
	YES	NO	
Plan and conduct an ongoing public education and outreach program	YES		<p>Presentations at televised Village Board meetings            9/20/2004 Overview of stenciling program, Watershed Advisory Committee District 7 (WAC7) update, Saw Mill River Coalition (SMRC) update, NYSDEC Grant update, Discussion ESC Law            1/18/2005 Stenciling report, new website "Hotline", WAC7, SMRC, Grant updates, Disc. ESC Law            2/7/2005 "Name That Drain" quiz, Publ. Notice ESC Law Hearing (3/7/2005)            3/7/2005 Disc. Grant IMA, Public Hearing ESC Law</p> <p><u>Training Sessions</u>            4/13-14/2004 SWM Tech Workshop/West County Planning &amp; CWP/White Plains (L.Kuhn)            12/7-9/2004 SW Program Institute/CWP/White Plains (L. Kuhn)</p> <p><u>Beautification Committee</u>            11/2004 re-formed, members include Trustees, Arch. Rev. Board, Cable TV, Garden Club            3/2005 Preliminary meeting to coordinate efforts</p> <p><u>Community Meetings</u>            10/13/2004 Meeting with Girl Scout leaders at Ardsley Middle School Library, 27 adults attending, sign-up for stenciling, lecture, Q&amp;A            11/30/2004 Meeting with Pack 2 Cub Scouts at Concord Road Elementary Cafeteria, 45 adults and 40 children attending, sign-up for stenciling, lecture, Q&amp;A</p> <p><u>Business Outreach</u>            3/4/2005 Distribute letter (Item 1) and "After the Storm", Comments -            Ardsley Motors/Sunoco: all above ground oil storage            Ardsley Getty: former Fire Chief is manager            Ardsley Hardware: no spills, no dumpster</p>

B. Implementation of Best Management Practices			C. Activities Planned for Upcoming Year
List the planned management practices and any additional ones that you worked on.	Any done in the past year?		Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
	YES	NO	
Webpage	YES		<p><b>4/2005 Begin using</b>  <a href="http://groups.yahoo.com/group.Ardsley-Village">http://groups.yahoo.com/group.Ardsley-Village</a>, post Clean Up Day notice</p> <p>4/2005-3/2006 Post SWMPAR 2004 (replace 2003 on ardsleyvillage.com)</p> <p><b>1/2006 Post new contest on ardsleyvillage.com for winter months</b></p>
Printed Matter	YES		<p><b>3/2005-3/2006 Additional Village Newsletter articles</b></p> <p>4/2005 Distribute at Clean-up Day</p> <p>6-9/2005 Distrib. to Businesses</p> <p>6-12/2005 Distrib. during stenciling</p> <p>6/2005-1/2006 Distrib. to private property owners during Outfall Mapping</p>
Media	YES		<p><b>4/2005 Clean up Day announcement</b></p> <p><b>5/2005 Clean up Day photos</b></p> <p>9/2005 Drain stenciling photos</p> <p>12/2005 Year-end summary including SW activity photos</p>

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
<b>List the planned management practices and any additional ones that you worked on.</b>	<b>Any done in the past year?</b>		<b>Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.</b>
	YES	NO	
Library	YES		3/2005-3/2006 Continue literature distribution 5/2005 SWMPAR 2004 with comment sheet 12/2005 IDDE Law for review
Lawn & Garden	YES		3/2005-3/2006 VB periodic reminders to reduce use of herbicide and pesticide 3/2005 Village replant Bradford Pear trees destroyed by traffic on Ashford Avenue 4/2005 Clean up Day at Bicentennial Park 9/2005 NYCDEP will temporarily use Bicentennial Park (American Legion Dr) as parking lot (property is leased by Village from NYCDEP) – try to reduce negative impact
Pet Waste	YES		3/2005-3/2006 Continue to encourage licensing of dogs, Police enforcement of littering statutes, Village Manager announcements to obey per ordinances
Trash	YES		3/2005-3/2006 Continue to encourage recycling 4/2005 West. County Hazardous Waste Clean up Days posted on webgroup

## **MINIMUM MEASURE 2: Public Involvement/Participation**

### **A. If Needed, Provide Additional Notes to Explain and/or Describe Changes to this Minimum Measure in Your SWMP:**

Due to stringent review procedures for documents and security measures limiting access to school grounds, Village public schools will not be used as literature distribution sites. Selected documents, such as flyers for Clean up Day, have been and will continue to be reviewed by the School Supt. on an individual basis and a one-time distribution to students has and will be allowed. Nature Craft Camp enrollment was too low. Other demonstration type events will be substituted to increase environmental awareness.

Doughnuts donated by Sunshine Donuts for participants in Clean up Day; more local businesses will be solicited for sponsorship of SW events.

Debra Henneberry, Asst Village Manager, has been added to the SW team.

Newly reconstituted Beautification Committee extremely concerned with Village clean up.

Stream restoration training will be offered by SMRC. Most small streams in Ardsley run on private property so clean up will require permission from property owners. Outfall Mapping is the highest priority task and volunteer efforts will be directed towards this project. In the meantime, private property owners will be encouraged to clean up their own property, including their private waterways, as many already do.

B. Implementation of Best Management Practices				C. Activities Planned for Upcoming Year
List the planned management practices and any additional ones that you worked on.	Any done in the past year?		If YES, describe the measurable goals that were achieved and other accomplishments.	Describe activities that are planned for this minimum measure for next year’s SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
	YES	NO		
REQUIRED TECHNIQUES				
Public notice and access to documents and information	YES		5/2004 Posted SWMPAR 2003 on Village website 2/8/2005-5/2005 ESC Law at Village Hall and Library 2/25/2005 Public Notice ESC Law Hearing in The Rivertowns Enterprise (Item 8)	3/2005-3/2006 Continue to make documents, including IDDE Law, available at Village Hall, Library and Community Center <b>(Public schools not included)</b> 5/2005 Post SWMPAR 2004 on Village website
Public presentation and comments received on SWMP and annual report	YES		5/16/2005 SWMPAR 2004 Public Hearing at Village Board Meeting	

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
<b>List the planned management practices and any additional ones that you worked on.</b>	<b>Any done in the past year?</b>		<b>Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.</b>
	YES	NO	
Public involvement/participation program	YES		<p>3/2004 WAC7 Streamwalk Training opportunity</p> <p>5/22-23/2004 Clean up the Park Days</p> <p>6/7/2004 ESC Law Work Session with Trustees, Village Atty and Mayor</p> <p>7/20/2004 Model SW Management Project (parking lot at West. County Center) presentation</p> <p>8/2/2004 ESC Law Work Session with Zoning Board, Trustees, Village Atty, Village Manager and Mayor</p> <p>9/13/2004 SW Work Session with Planning Board</p> <p>10/13/2004 Meeting with Girl Scout leaders</p> <p>10/31/2004 ESC Law Work Session with Building Inspector</p> <p>10/20/2004 Army Corps Engineers (ACE) Scoping Session (Saw Mill River)</p> <p>11/3/2004 ACE Scoping Session (Bx. River)</p> <p>11/26/2004 Drain Stenciling with Girl Scouts</p> <p>11/30/2004 Meeting with Cub Scouts</p> <p>12/4/2004 Drain Stenciling with Cub Scouts</p> <p>12/20/2004 ESC Law Work Session with Trustees, Zoning Board, Building Inspector, Mayor, Village Manager, Asst VM</p> <p>12/27/2004 Eagle Scout stenciling project meeting</p> <p>2/2005 Email requests to resume stenciling</p> <p>2/17/2005 MOA for EPF Grant on Water Quality and Ecosystem Restoration (Bx. River volunteer opportunities)</p>

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
<b>List the planned management practices and any additional ones that you worked on.</b>	<b>Any done in the past year?</b>		<b>Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.</b>
	YES	NO	
Contact person identified	YES		<p>George Calvi, Village Manager, responsible for all Village issues and publications.</p> <p>Larry Tomasso, Building Inspector, enforcement of SW regulations</p> <p>Ardsley Police Dept, investigation of SW violations</p> <p>Ardsley DPW, maintenance and repair of SW practices</p> <p>Lorraine Kuhn, SWM Asst, correspondence</p> <p>Debra Henneberry, Asst VM, additional contact at Village Hall</p>
<b>ADDITIONAL TECHNIQUES</b>			

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
<b>List the planned management practices and any additional ones that you worked on.</b>	<b>Any done in the past year?</b>		<b>Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.</b>
	YES	NO	
Storm Drain Stenciling	YES		<p>10/2004 Prepare map of high pedestrian route, Ashford Ave/SMR Rd/Heatherdell Rd (Item 9)</p> <p>10/13/2004 Meeting with Girl Scouts</p> <p>10/27/2004 Letters to obtain permission from Ardsley Police Dept and materials from DPW</p> <p>11/9/2004 Test stencils at 4 sites (SMR&amp;Heatherdell, SMR&amp;Center, SMR&amp;Ashford west, SMR&amp;Ashford east)</p> <p>11/26/2004 Scout Troop 2247, 1 adult, 6 Scouts, 3 sites (Center&amp;Amer.Legion, Village Hall, SMR&amp;Ashford east), 9 motorists and 3 pedestrians discussed SW, thank you letter sent to troop</p> <p>11/30/2004 Meeting with Cub Scouts</p> <p>12/4/2004 Pack 3/Den 16, 10 adults, 12 Scouts, 4 sites (Heatherdell&amp;Revolutionary, Heatherdell&amp;SMR, Heatherdell&amp;CapnHoneywell, Heatherdell&amp;Concord), Former Dept Mayor Bill Watson directed traffic, thank you letter sent to den</p> <p>12/27/2004 Meeting with Eagle Scout candidate Michael Pawlak to plan stenciling as project</p> <p>2/2005 Email inquiries about stenciling start-up</p>
Clean up	YES		<p>4/2005 Additional planning meeting with Eagle Scout, select sites, outreach to younger Scouts</p> <p>5/2005 Expect Council approval of project</p> <p>6 – 11/2005 Resume stenciling</p> <p><b>3/2005 Meet with Beautification Committee</b></p> <p>4/30/2005 Village Clean up Day at Bicentennial Park (will be an annual event)</p> <p><b>5-6/2005 SMRC Stream Rehab training (Village stream clean up possibly spring 2006)</b></p>



**MINIMUM MEASURE 3: Illicit Discharge Detection and Elimination**

**A. If Needed, Provide Additional Notes to Explain and/or Describe Changes to this Minimum Measure in Your SWMP:**

To complete Outfall Mapping, Ardsley will receive engineering guidance, including choice of software package, as funded by NYDEC Grant #2003WQI6033, lead agency Sleepy Hollow. This will standardize data in the Grant Consortium and form the basis for a future Saw Mill River SW District. In addition, Westchester County will share GIS data under IMA with the County. DPW Superintendent Louis Pascone will provide preliminary map of drainage conveyances in the Village. No additional amendments to Village Code regarding swimming pool drainage have been considered yet.

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
<b>List the planned management practices and any additional ones that you worked on.</b>	<b>Any done in the past year?</b>		<b>Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.</b>
	YES	NO	
<b>REQUIRED ACTIVITIES</b>			

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
<b>List the planned management practices and any additional ones that you worked on.</b>	<b>Any done in the past year?</b>		<b>Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.</b>
	YES	NO	
Outfall mapping	YES		<p>3/2004 Outfall map of Village periphery/Rotfeld Engineering Tarrytown NY</p> <p>6/16/2004 Phase II Executive Committee begin administration of NYSDEC Outfall Locator Grant # 203WQI6033</p> <p>7/8/2004 Exec. Comm. Disc. scope of services</p> <p>8/12/2004 Exec Comm. Disc. scope of work for each municipality</p> <p>9/22/2004 Exec. Comm. Disc. engineer selection</p> <p>1/6/2005 Exec. Comm. draft work plans</p> <p>2/10/2005 Grant Consortium mtg, draft IMA</p> <p>3/7/2005 VB mtg Disc. IMA</p>
Illicit discharges prohibited	YES		<p>3/21/2005 VB Disc Grant and GIS IMA's</p> <p>3/29/2005 GIS demo by Ana Hiraldo, Dept Info Tech West County</p> <p>4/2005 Tax parcel and planimetric data from Town of Greenburgh for County GIS IMA, <b>Preliminary map of all water bodies, catch basins and storm drains prepared by Louis Pascone, DPW Supt.</b></p> <p>6/2005 GIS demo by West County for Village officials, Advisory info available from Outfall Locator Grant</p> <p>6-12/2005 Volunteer team maps outfalls using preliminary map to choose starting point</p> <p>12/2005-3/2006 Catalog/digitize data as per software, resume mapping as weather permits</p>
			<p>6/2005 Plan to review Draft IDDE Law</p> <p>6/2005-3/2006 Continue review and ratification of IDDE Law</p>

B. Implementation of Best Management Practices				C. Activities Planned for Upcoming Year
List the planned management practices and any additional ones that you worked on.	Any done in the past year?		If YES, describe the measurable goals that were achieved and other accomplishments.	Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
	YES	NO		
Public, employees, businesses informed of hazards from illicit discharges	YES		3/4/2005 Visits to "hot spot" businesses, briefly discussed hazmat procedures, Village gas stations carried environmental certifications 3/2004-3/2005 Reported by V. Coulehan, Ardsley Fire Dept.(all volunteer), 35 members of the Fire Dept received 3 hours Hazmat Training each, 4 members additionally received 8 hours of Decontamination Training, 3 Firefighters are members of the West County Hazmat Response Team and have received 40 hours of training each. Several Firefighters are also DPW employees, so trained personnel are always available in the Village.	3/2005-3/2006 Publicize new provisions of IDDE Law when enacted, coordinate enforcement through Ardsley Police and Fire Depts and Building Inspector, continue training schedule
Illicit discharges identified	YES		6/2004 Reported dog waste in CR Elementary School stream resolved by Police presence 7/2004 Illegal drainage to catch basin rectified (Item 10)	3/2005-3/2006 Continue outfall mapping so that outfall testing, planned to begin in Year 4, can be more accurately cataloged
ADDITIONAL ACTIVITIES				

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
<b>List the planned management practices and any additional ones that you worked on.</b>	<b>Any done in the past year?</b>		<b>Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.</b>
	YES	NO	
Dye Testing		NO	Dye testing is still planned to begin in Year 3.
Other Ordinances/Sampling	YES		4/2005 Begin trial period for alternate side of the street parking 6/2005-3/2006 Adopt IDDE Law
Wastewater connections to storm drain system	YES		3/2005-2/2006 Dye testing planned Building Inspector will continue to monitor connections

#### **MINIMUM MEASURE 4: Construction Site Stormwater Runoff Control**

##### **A. If Needed, Provide Additional Notes to Explain and/or Describe Changes to this Minimum Measure in Your SWMP:**

Enactment of ESC Law and incorporation into Village Code will insure that appropriate SPPP's are prepared for construction projects. Applicable projects will now have inspections conducted by qualified personnel under contract to the Village.

The Village provides written information and advisory meetings with the Building Inspector for interested contractors. Formal training sessions for contractors will be provided under the auspices of the NYSDEC Grant # 2003WQI6236 Consortium, using pooled resources and resulting in less burden on individual small municipalities, also allowing more elaborate and efficient training sessions.

Entire multi-volume NYS Standards and Specifications for Erosion and Sediment Control now available as hard copy reference at Village Hall.

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
<b>List the planned management practices and any additional ones that you worked on.</b>	<b>Any done in the past year?</b>		<b>Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.</b>
	YES	NO	
<b>REQUIREMENTS</b>			

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
<b>List the planned management practices and any additional ones that you worked on.</b>	<b>Any done in the past year?</b>		<b>Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.</b>
	YES	NO	
Require erosion and sedimentation controls through an ordinance or other regulatory mechanism	YES		<p>4/6/2004 Phase II Workshop Greenburgh Town Hall, obtained Model ESC Law</p> <p>6/7/2004 ESC Law Work Session (Trustees, Village Atty, Mayor)</p> <p>7/29/2004 ESC Q&amp;A review NYSDEC (email)</p> <p>8/2/2004 ESC Law Work Session (Trustees, Atty, VM, ZBA, Mayor)</p> <p>9/13/2004 Disc with Scarsdale VM regarding Scarsdale Law (phone), ESC Law Work Session (Planning Board)</p> <p>9/14/2004 Disc with D. Kvinge/West County Planning about County ESC requirements</p> <p>9/15/2004 ESC Law/Village Code Intersection Analysis report</p> <p>9/20/2004 VB Mtg ESC Law Disc</p> <p>9/29/2004 Disc with Scarsdale Village Engineer regarding ESC fees (phone)</p> <p>10/13/2004 Disc with Buil Insp regarding fees and lot size</p> <p>12/17/2004 Review existing ESC Law for other West municipalities, use Mamaroneck ESC/Flood Control section as example</p> <p>12/20/2004 ESC Law Work Session (Trustees, VM, Asst VM, ZBA, Mayor, Buil Insp)</p> <p>1/10/2005 Disc with Buil Insp draft modification to "Definitions"</p> <p>1/18/2005 VB Mtg ESC Law Disc</p> <p>2/3/2005 Disc with Trustee Malone edit "Definitions"(email)</p> <p>2/7/2005 VB Mtg Public Notice of Hearing for 3/7/2005</p> <p>2/25/2005 Published legal notice (Item 8)</p> <p>3/7/2005 VB Mtg Public Hearing</p>

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
<b>List the planned management practices and any additional ones that you worked on.</b>	<b>Any done in the past year?</b>		<b>Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.</b>
	YES	NO	
Provide opportunity for public comment on construction plans	YES		3/2004-3/2005 Opportunity for public comment at all work sessions, Village Board, Zoning Board and Planning Board meetings. All construction plans are available at Village Hall for public inspection.
Require construction site plan review	YES		3/2004-3/2005 Stormwater management was taken into greater consideration even as small projects (<1 acre) were considered. There were no projects > 1 acre started in 2004, according to the Building Inspector. (Ardsley is nearly completely "built out".)
Require overall construction site waste management	YES		3/2004 – 3/2005 No construction waste or run-off violations in 2004. Both ongoing projects >1 acre neared completion.
Site inspection and enforcement	YES		3/2004-3/2005 The two ongoing projects > 1 acre were inspected weekly by the Buil Insp and 3 to 5 times per week by Engineer under contract to the Village. Both projects obtained Certificates of Occupancy in 2005. SW practices are complete and functioning properly.
			3/2005-3/2006 Continue policy of public comment opportunities and access to documents.
			3/2005-3/2006 ESC Law provisions included in Site Plan Review of Village Code. <b>Formal SPPP's prepared as per SPDES guidelines.</b>
			3/2005-3/2006 Continue monitoring all Village construction projects waste management. Continue compliance with Village Code 122 (garbage) and 132-6C (debris removal) and stabilization of sites.
			<b>3/2005-3/2006 In addition to inspection by Buil Insp, qualified personnel will additionally certify SW management at all applicable projects, in accordance with newly enacted ESC Law provisions.</b>

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
<b>List the planned management practices and any additional ones that you worked on.</b>	<b>Any done in the past year?</b>		<b>If YES, describe the measurable goals that were achieved and other accomplishments.</b>
	YES	NO	
Education and training of construction site operators	YES		3/2004-3/2005 Literature detailing SW management given out by and discussed with Buil Insp (Item 5) to each individual contractor during project planning stage. 3/7/2005 Entire NYS Standards and Specifications for Erosion and Sediment Control document available at Village Hall.
<b>ADDITIONAL PRACTICES</b>			
New York State Standards and Specifications for Erosion and Sediment Control	YES		3/2005 Entire document (hard copy) available at Village Hall
New York State Stormwater Design Manual	YES		3/2004-3/2005 August 2003 edition available as reference guide at Village Hall
			<b>6/2005-2/2006 NYSDEC Grant #2003WQI6236 to include training sessions for engineers and contractors.</b>  <b>3/2005-3/2006 As updates are available online, document will be amended</b>  3/2005-3/2006 Will amend document or replace with new edition if available



## **MINIMUM MEASURE 5: Post-Construction Stormwater Management**

### **A. If Needed, Provide Additional Notes to Explain and/or Describe Changes to this Minimum Measure in Your SWMP:**

Village committee working of formulating a new tree ordinance. This ordinance would affect both homeowners and construction sites. For construction, phasing of tree cutting and preservation of trees should be stressed.

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
<b>List the planned management practices and any additional ones that you worked on.</b>	<b>Any done in the past year?</b>		<b>Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.</b>
	YES	NO	
<b>REQUIREMENTS</b>			
Assess existing conditions throughout the MS4 and identify appropriate management practices to reduce pollutant discharge to the maximum extent practicable	YES		3/2004 WAC7 Streamwalk Training program offered 3/2005 Begin assembling Outfall Mapping Team, identify water bodies receiving run-off (Saw Mill River and Sprain Brook) (Item 12) 4/2005 Beautification Comm assessment of Village cleanliness, clean up sites recommended
Regulate post-construction runoff from development through an ordinance or other regulatory mechanism	YES		5-6/2005 SMRC Stream Rehab Course offered 6-12/2005 Begin mapping outfalls on interior of Village and record waterway conditions and water character  <b>3/2005-3/2006 Plan to adopt tree ordinance</b> 5/2005-3/2006 Implement provisions of ESC Law regarding post-construction where applicable

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
<b>List the planned management practices and any additional ones that you worked on.</b>	<b>Any done in the past year?</b>		<b>Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.</b>
	YES	NO	
Develop management practice inspection and maintenance program	YES		3/2004-3/2005 Buil Insp continues to review all plans and advise about incorporating SW control as part of plan. All plans which come before the Village Board were reviewed for inclusion of permanent SW practices (L. Nardecchia, PE/Trustee routinely scrutinizes SW management provisions for all proposed projects.)
<b>ADDITIONAL PRACTICES</b>			

## **MINIMUM MEASURE 6: Pollution Prevention/Good Housekeeping**

### **A. If Needed, Provide Additional Notes to Explain and/or Describe Changes to this Minimum Measure in Your SWMP:**

Plan to create computer file for DPW Manual log. DPW personnel training opportunities as part of NYSDEC Grant # 2003WQI6236.

Pilot alternate side of the street parking plan is expected to aid in street sweeping and maintenance.

Maintenance project for Village Green retention basin scheduled to begin summer 2005.

Seasonal water service may be added to Bicentennial Park (Saw Mill River Rd & Heatherdell Rd) for maintenance of plantings; no sprinkler system will be installed.

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
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	YES	NO	
<b>REQUIREMENTS</b>			
Prevent discharge of pollutants from municipal operations	YES		3/2004-3/2005 All garbage collected, including 15 tons glass/metal/plastic and 41 tons paper per month for recycling, is hauled to collection sites; none is stored in the Village. 1500 tons of asphalt for road surfacing was used on site as needed and not stored.
Follow DEC NPS management Practices catalog, or equivalent	YES		3/2004-3/2005 Continued reference to National Menu of BMP for SW Phase II (EPA 8/15/2002) and Roadway and Right-of-Way Maintenance (NYSDEC 6/1994) 3/2005 Draft DPW Manual Log reviewed with DPW Supt. (Item 13)
Conduct employee pollution prevention training	YES		3/2004-3/2005 Three hours HazMat training for DPW employees, Spring 2004 G. Kaiser and R. Thompson attended training session at West County Airport 3/2005 Draft DPW Manual
<b>ADDITIONAL PRACTICES</b>			

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
<b>List the planned management practices and any additional ones that you worked on.</b>	<b>Any done in the past year?</b>		<b>Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.</b>
	YES	NO	
Street Cleaning	YES		<p><b>4/2005 Village Board proposes 18 month pilot program for alternate side of the street parking on several streets.</b>  3/2005-3/2006 Continue contract service for street cleaning</p>
Catch Basin and Storm Drain Cleaning	YES		<p><b>5/2005 Village Board awards contract for retention basin work</b>  6/2005-11/2005 Tree removal and dredging work to proceed in phases  6-11/2005 Storm Drain stenciling continues</p>
Vehicle maintenance and washing	YES		<p>3/2005-3/3006 Vehicle washing and maintenance will be appropriately continued.</p>
Landscaping and Lawn care	YES		<p>3/2005-3/2006 Use of licensed contractor for application of landscaping chemicals, if necessary  <b>6/2006 Planned installation of seasonal water service at Bicentennial Park (SMR Rd &amp; Heatherdell); no sprinkler system</b></p>
Road salt storage	YES		<p>3/2005-3/2006 Still need to choose appropriate location for indoor storage facility</p>

## **VII. Monitoring and Modeling Results**

Monitoring and modeling have not yet been conducted at this time. Some preliminary sampling results are expected summer 2005 when Outfall Mapping of Village begins.

## **VIII. Summary of Funding and Use of Grant Money**

NYSDEC Grants Land Use Regulation and Plan Review #2003WQI6236 and Outfall Mapping and Illicit Detection #2003WQI6033 have been received; Village of Sleepy Hollow is lead agency. Fifteen municipalities are involved in the Consortium. The IMA must be signed by all parties before funds can be expended. The Village of Ardsley has signed, but not all other parties have signed to date.

## **APPENDICES:**

### Village of Ardsley Parties Responsible for Implementing SWMP:

- Village Manager
- Assistant Village Manager
- Building Inspector
- Stormwater Management Assistant
- Department of Public Works Superintendent
- Ardsley Police Department
- Ardsley Fire Department
- Mayor
- Board of Trustees
- Zoning Board
- Planning Board

### Intermunicipal Agreements (in effect, Village Board Resolutions passed):

- GIS Data Sharing IMA with Westchester County (Item 14)
- Bronx River Watershed MOA with Westchester County (Item 15)
- Phase II Permit Implementation Project IMA (Item 16)

**Item 1: Outreach Letter to Businesses**

## Village of Ardsley



Mayor  
SAMUEL J. ABATE, JR.

Trustees  
JAY LEON - Deputy Mayor  
LARRY J. NARDECCHIA, JR.  
MICHAEL J. KOLESAR  
GARY J. MALONE

507 Ashford Avenue  
Ardsley, New York 10502  
(914) 693-1550  
Fax (914) 693-3706  
[www.ardsleyvillage.com](http://www.ardsleyvillage.com)

Village Manager  
GEORGE F. CALVI

Village Treasurer  
MARION DE MAIO

Deputy Village Clerk  
Asst. Village Manager  
DEBBIE HENNEBERRY

March 4, 2005

The Village of Ardsley is a participating municipality in the Phase II Stormwater Management Program. The aim of this federal program is to clean up all the waters of the United States and make them fishable and swimmable. Our Village responsibility is to make our bordering water bodies, the Saw Mill River and the Sprain Brook, into cleaner, healthier waterways.

Everyone in the Village is helping out. Residents are being asked to try to keep rain runoff on their properties, limit the use of chemicals on their lawns, pick up pet waste, recycle and don't litter. Businesses can help, too, by sweeping streets and sidewalks, properly managing garbage, cleaning up spills and having proper storm and sanitary sewer connections. Please look over the attached brochure, *After the Storm*, for some tips on how you can help our efforts to get good, clean water running through our community again.

If you have any questions, please call 693-1550 or email [stormwater@ardsleyvillage.com](mailto:stormwater@ardsleyvillage.com). Thanks for making Ardsley a better place to live and do business!

Sincerely yours,

Lorraine Kuhn  
Stormwater Management Assistant  
Village of Ardsley

**Item 2: Stormwater Home Page (<http://www.ardsleyvillage.com/stormwater.html>)**

## **Stormwater Management**

Welcome to the Stormwater page. Phase II Stormwater Management is a federally-mandated program aimed at cleaning up the waterways in the entire country. The Village of Ardsley is participating in that program. The Stormwater Management Annual Report (SWMPAR) for 2003 can be downloaded from this site and reviewed. It contains information about what was accomplished in 2003 and what is planned for 2004. SWMPAR 2004 will be available in April 2005.

Problems with stormwater? Comments? Check out our [Hotline](#) page.



[Download the Stormwater Management Program Annual Report for 2003](#)

Document format: Microsoft Word

File size: 1.13 MB

Item 3: Stormwater “Hotline” Page (linked to SW Home Page and Village Home Page)  
([http://www.ardsleyvillage.com/stormwater\\_hotline.html](http://www.ardsleyvillage.com/stormwater_hotline.html))



*Do you have a drainage problem? Is there a recurrent ice patch on your street? Do you see suds in a nearby stream? **Tell us about it!***

**You can help clean up our water - make our neighborhoods cleaner - make our local streams fishable and swimmable again.**

**Email us at [stormwater@ardsleyvillage.com](mailto:stormwater@ardsleyvillage.com) and be part of the solution to pollution!**



## Item 4a: “Name That Drain” Quiz

# “NAME THAT DRAIN” QUIZ

**Did you know that there are dozens and dozens of storm drains all through the Village? Depending on which side of town, they drain to either the Saw Mill River or the Sprain Brook. So, everything that goes into the street winds up in the water!**

**To remind people about this and maybe stop them from letting so many bad things get into the water, we have been stenciling the drains with groups of volunteers. (Thanks Girl Scout Troop 2247 and Cub Scout Troop 16!)**

**Can you recognize where these are?**

***(Answer to the first one is given. Other answers will be posted soon.)***



**on the corner of Center St.  
and American Legion Dr.**



**#2 ?**



**#4 ?**



**#5 ?**



**#3 ?**



**#6 ?**



**#7 ?**

**Have a drain in your neighborhood that we should stencil? Want to help out? Email us at [stormwater@ardsleyvillage.com](mailto:stormwater@ardsleyvillage.com)**

## Item 4b: “Name That Drain” Quiz Answers

**#2**



**on Ashford Ave.  
in front of  
Village Hall**

**#3**



**on the northeast  
corner of  
  
and Rte. 9A**

**#4**

**Ashford**



**on the southeast  
corner of  
  
Ashford Ave.  
and Rte. 9A**

**#5**



**in  
Addyman's  
Square**

**#6**



**on the corner  
of Center St.  
and Rte. 9A  
northbound**

**#7**



**at the  
intersection of  
Heatherdell Rd.  
and Rte. 9A  
southbound**

**“NAME THAT DRAIN”  
\*\*\*\*\* ANSWERS \*\*\*\*\***

**Item 5: Literature Distribution Log – number of copies taken (3/9/2004-3/10/2005)**

		LOCATION				
TITLE	Village Hall	Library	Community Center	AMS Library (10/13/2004)	CR Cafeteria (11/30/2004)	Stenciling Events
“After the Storm” (EPA 833B03002)	20	15	5			
“Make Your Home the Solution to Stormwater Pollution” (EPA 833B03003)	10	8	1	31	49	
“Water Efficient Landscaping” (EPA 832F02002) <i>(more on order)</i>	1		2			
“New Requirements for Small Construction Projects” (NYSDEC)	11 <i>(Buil.Insp.)</i>					
“When It Drains” bookmarks (Hudson River Estuary)						19

March 2005

# The Ardsley Villager

A Publication of the Ardsley Village Board of Trustees

Visit us at [www.ardsleyvillage.com](http://www.ardsleyvillage.com)

## WHAT'S INSIDE

CARBON MONOXIDE CONCERNS

DOG LICENSES REQUIRED

POLICE MATTERS

CONTINUING EDUCATION

RECREATION NEWS

BIBLIOBYTES

KYKUIT ON THE HORIZON

A MERGER & A REVIVAL

STORMWATER PHASE II

ASVAC NEWS

ARDSLEY CHAT GROUP

A CALL TO ARMS

FROM THE VILLAGE MANAGER'S  
DESK: THINKING OUT LOUD

### STORMWATER PHASE II

Welcome to the winter update on Stormwater (SW)! March 2005 marks the close of year 2 of the Phase II SW Management Program (Phase II refers to little villages like Ardsley; Phase I was for the big cities.) Six so-called Minimum Measurable goals of the program cover public education, public involvement, illegal discharge detection, pre- and post-construction regulation and DPW Village housekeeping. Believe it or not, the federal government aims to bring all water bodies in the country to swimmable and fishable levels, including our own Saw Mill River and Grassy Sprain Brook.

Why worry about SW in the winter, you say? Well, our state uses about 800,000 tons of salt per year during storms, roughly the salt in 1 cubic mile of ocean! Yorktown is trying a pilot program using liquid brine and New Castle just got computerized spreaders that slow the salt drop as the truck slows. Thanks to our intrepid highway crew here in Ardsley for also using exactly the right technique spreading the salt in the wee hours *before* the storm so that the brine layer forms beneath the falling snow and allows easier road clearing later on. But still, all that salt drains off into the streams. Homeowners and businesses can do their part by keeping their salt applications to a minimum. Snowmelt runoff can create icy road patches and other problems. Please report these to our Highway Department at 693-0117 and also send an email to [stormwater@ardsleyvillage.com](mailto:stormwater@ardsleyvillage.com).

Check out our "Hotline" on the website where you can submit all SW comments. Also coming soon, "Name That Drain" quiz. Try to identify those stenciled drains under the snow! Stenciling continues in the spring and volunteers are still needed.

Coming this summer is outfall mapping. Ardsley is required to map wherever storm water drains to a body of water. We may be using a corps of student interns for this task. So, please welcome them into your backyard to map Ardsley's water.

And, remember those County Household Chemical Clean-up Days: May 6 & 7 at FDR Park in Yorktown; June 10 & 11 at WCC in Valhalla; Sept. 17 at the County Recycling Center in Yonkers and Nov. 4 & 5 at Rye Playland – Lorraine Kuhn, Ardsley Stormwater Liaison

(For more info log on to [www.westchestergov.com/envfacil](http://www.westchestergov.com/envfacil).)

\*\*\*\*\*

Item 6: Village Newsletter Article  
(actually appeared on pages 2 & 3  
of Newsletter)



**Item 7: “Clean Up the Park Day” Photos – Ashford Park 5/22/2004**



**Item 8: ESC Law Public Hearing Notice**

PAGE 42 — THE RIVERTOWNS ENTERPRISE FEBRUARY 25, 2005

**LEGAL NOTICES**

**NOTICE OF PUBLIC HEARING  
VILLAGE OF ARDSLEY**

Please take Notice that a Public Hearing will be held at the Ardsley Village Hall located at 507 Ashford Avenue, Ardsley, New York on the 7th and 21st day of March, 2005 at 8:15 p.m. to consider the adoption of a proposed local law entitled "Stormwater Management and Erosion & Sediment Control".

The purpose of this local law is to adopt the provisions incorporated in the NYSDEC Stormwater Design Manual and the NYS Standards and Specifications for Erosion and Sediment Control for use by the Board of Trustees and the Planning Board in reviewing subdivisions, site plans and special permits for approval.

It requires developers to prepare and submit Stormwater Pollution Prevention Plans for construction projects over one (1) acre in size.

It sets forth what must be included in the Stormwater Pollution Prevention Plan including the required certifications.

It provides for the continued maintenance of stormwater management facilities once constructed and for inspection during construction.

It provides for updating of the Village of Ardsley zoning, subdivision and site plans to conform with the above requirements.

It establishes responsibility for enforcement of this local law and sets penalties in the event of non-compliance. All residents and taxpayers are invited to attend and be heard.

Debbie Henneberry  
Deputy Village Clerk

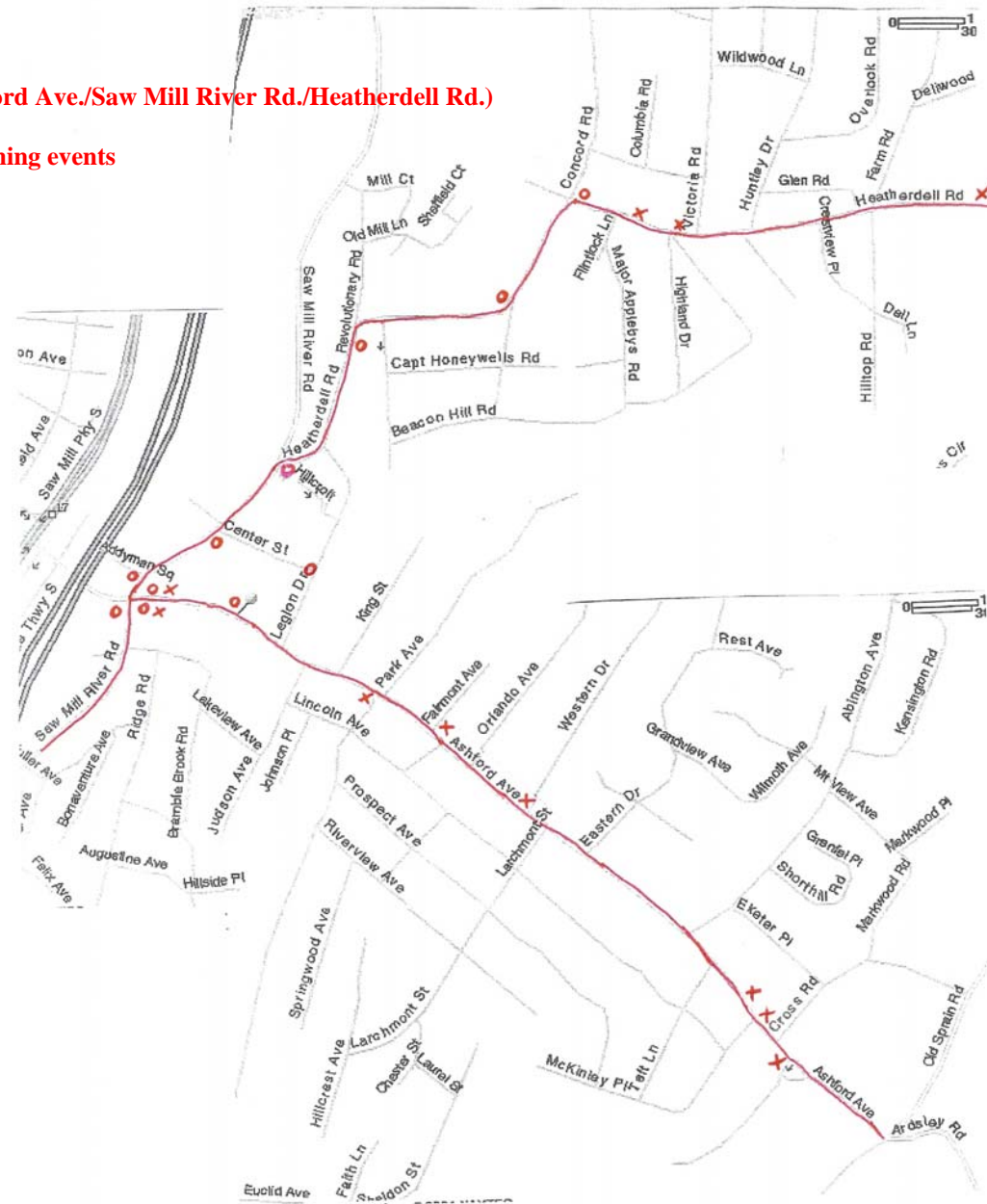
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### Item 9: Storm Drain Stenciling Map

**\_\_\_\_\_** : Major Pedestrian Route (Ashford Ave./Saw Mill River Rd./Heatherdell Rd.)

**O** : Storm Drains stenciled

**X** : Storm Drains to be stenciled in upcoming events



**Item 10: Violations and Incidents**

DATE	LOCATION	INCIDENT	REPORT
3/2004	Windsong Rd.	Drainage pipe in right-of-way draining to catch basin (corrected 7/2004)	Building Inspector
9/16/2004	Captain Honeywell Rd.	Herbicide spill on lawn	Ardsley Police Dept. (case 27704)
11/18/2004	Markwood Rd.	Leaves dumped in brook	Ardsley Police Dept. (case 0945)



## **Item 11a: ESC Law**

### **Local Law for Stormwater Management and Erosion & Sediment Control**

A local law to amend the **Zoning Law/Subdivision Law/Site Plan Review Law** of the **Village of Ardsley**, Local law Number **4** of the Year 2005.

Be it enacted by the **Village Board of Trustees** of the **Village of Ardsley** as follows:

#### **Article 1. General Provisions**

##### **Section 1. Findings of Fact**

It is hereby determined that:

- 1.1** Land development activities and associated increases in site impervious cover often alter the hydrologic response of local watersheds and increase stormwater runoff rates and volumes, flooding, stream channel erosion, or sediment transport and deposition;
- 1.2** This stormwater runoff contributes to increased quantities of water-borne pollutants, including siltation of aquatic habitat for fish and other desirable species;
- 1.3** Clearing and grading during construction tends to increase soil erosion and add to the loss of native vegetation necessary for terrestrial and aquatic habitat;
- 1.4** Improper design and construction of stormwater management practices can increase the velocity of stormwater runoff thereby increasing stream bank erosion and sedimentation;
- 1.5** Impervious surfaces allow less water to percolate into the soil, thereby decreasing groundwater recharge and stream baseflow;
- 1.6** Substantial economic losses can result from these adverse impacts on the waters of the municipality;
- 1.7** Stormwater runoff, soil erosion and nonpoint source pollution can be controlled and minimized through the regulation of stormwater runoff from land development activities;
- 1.8** The regulation of stormwater runoff discharges from land development activities in order to control and minimize increases in stormwater runoff rates and volumes, soil erosion, stream channel erosion, and nonpoint source pollution associated with stormwater runoff is in the public interest and will minimize threats to public health and safety.
- 1.9** Regulation of land development activities by means of performance standards governing stormwater management and site design will produce development compatible with the natural functions of a particular site or an entire watershed and thereby mitigate the adverse effects of erosion and sedimentation from development.

##### **Section 2. Purpose**

The purpose of this local law is to establish minimum stormwater management requirements and controls to protect and safeguard the general health, safety, and welfare of the public residing within this jurisdiction and to address the findings of fact in Section 1 hereof. This local law seeks to meet those purposes by achieving the following objectives:

- 2.1 Meet the requirements of minimum measures 4 and 5 of the SPDES General Permit for Stormwater Discharges from Municipal Separate Stormwater Sewer Systems (MS4s), Permit no. GP-02-02 or as amended or revised;
- 2.2 Require land development activities to conform to the substantive requirements of the NYS Department of Environmental Conservation State Pollutant Discharge Elimination System (SPDES) General Permit for Construction Activities GP-02-01 or as amended or revised;
- 2.3 Minimize increases in stormwater runoff from land development activities in order to reduce flooding, siltation, increases in stream temperature, and streambank erosion and maintain the integrity of stream channels;
- 2.4 Minimize increases in pollution caused by stormwater runoff from land development activities which would otherwise degrade local water quality;
- 2.5 Minimize the total annual volume of stormwater runoff which flows from any specific site during and following development to the maximum extent practicable; and
- 2.6 Reduce stormwater runoff rates and volumes, soil erosion and nonpoint source pollution, wherever possible, through stormwater management practices and to ensure that these management practices are properly maintained and eliminate threats to public safety.

### Section 3. Statutory Authority

In accordance with Article 10 of the Municipal Home Rule Law of the State of New York, the **Village Board of Trustees** has the authority to enact local laws and amend local laws and for the purpose of promoting the health, safety or general welfare of the **Village of Ardsley** and for the protection and enhancement of its physical environment. The **Village Board of Trustees** of the **Village of Ardsley** may include in any such local law provisions for the appointment of any municipal officer, employees, or independent contractor to effectuate, administer and enforce such local law.

### Section 4. Applicability

- 4.1 This local law shall be applicable to all land development activities as defined in this local law, Article 2, Section 1.
- 4.2 The municipality shall designate a Stormwater Management Officer who shall accept and review all stormwater pollution prevention plans and forward such plans to the applicable municipal board. The Stormwater Management Officer may (1) review the plans, or (2) upon approval by the **Village Board of Trustees** of the **Village of Ardsley**, engage the services of a registered professional engineer to review the plans, specifications and related documents at a cost not to exceed a fee schedule established by said governing board.
- 4.3 All land development activities subject to review and approval by the **Village of Ardsley** under **subdivision, site plan, and/or special permit** regulations shall be reviewed subject to the standards contained in this local law.
- 4.4 All land development activities not subject to review as stated in section 4.3 shall be required to submit a Stormwater Pollution Prevention Plan (SWPPP) to the Stormwater Management Officer who shall approve the SWPPP if it complies with the requirements of this law.

### Section 5. Exemptions

The following activities may be exempt from review under this law.

- 5.1 Agricultural activity as defined in this local law.
- 5.2 Silvicultural activity except that landing areas and log haul roads are subject to this law.
- 5.3 Routine maintenance activities that disturb less than five acres and are performed to maintain the original line and grade, hydraulic capacity or original purpose of a facility.

- 5.4 Repairs to any stormwater management practice or facility deemed necessary by the Stormwater Management Officer.
- 5.5 Any part of a subdivision if a plat for the subdivision has been approved by the **Village of Ardsley** on or before the effective date of this law.
- 5.6 Land development activities for which a building permit has been approved on or before the effective date of this law.
- 5.7 Cemetery graves.
- 5.8 Installation of fence, sign, telephone, and electric poles and other kinds of posts or poles.
- 5.9 Emergency activity immediately necessary to protect life, property or natural resources.
- 5.10 Activities of an individual engaging in home gardening by growing flowers, vegetable and other plants primarily for use by that person and his or her family.
- 5.11 Landscaping and horticultural activities in connection with an existing structure.

## **Article 2. Zoning Law Amendment: Stormwater Control**

The Zoning Law is hereby amended to include Article 2, a new supplemental regulation titled Stormwater Control.

### **Section 1. Definitions**

The terms used in this local law or in documents prepared or reviewed under this local law shall have the meaning as set forth in this section.

**Agricultural Activity** - the activity of an active farm including grazing and watering livestock, irrigating crops, harvesting crops, using land for growing agricultural products, and cutting timber for sale, but shall not include the operation of a dude ranch or similar operation, or the construction of new structures associated with agricultural activities.

**Applicant** - a property owner or agent of a property owner who has filed an application for a land development activity.

**Building** - any structure, either temporary or permanent, having walls and a roof, designed for the shelter of any person, animal, or property, and occupying more than 100 square feet of area.

**Channel** - a natural or artificial watercourse with a definite bed and banks that conducts continuously or periodically flowing water.

**Clearing** - any activity that removes the vegetative surface cover.

**Dedication** - the deliberate appropriation of property by its owner for general public use.

**Department** - the New York State Department of Environmental Conservation

**Design Manual** - the New York State Stormwater Management Design Manual, most recent version including applicable updates, that serves as the official guide for stormwater management principles, methods and practices.

**Developer** - a person who undertakes land development activities.

**Erosion Control Manual** - the most recent version of the “New York Standards and Specifications for Erosion and Sediment Control” manual, commonly known as the “Blue Book”.

**Grading** - excavation or fill of material, including the resulting conditions thereof.

**Impervious Cover** - those surfaces, improvements and structures that cannot effectively infiltrate rainfall, snow melt and water (e.g., building rooftops, pavement, sidewalks, driveways, etc).

**Industrial Stormwater Permit** - a State Pollutant Discharge Elimination System permit issued to a commercial industry or group of industries which regulates the pollutant levels associated with industrial stormwater discharges or specifies on-site pollution control strategies.

**Infiltration** - the process of percolating stormwater into the subsoil.

**Jurisdictional Wetland** - an area that is inundated or saturated by surface water or groundwater at a frequency and duration sufficient to support a prevalence of vegetation typically adapted for life in saturated soil conditions, commonly known as hydrophytic vegetation.

**Land Development Activity** - construction activity including clearing, grading, excavating, soil disturbance or placement of fill that results (a) the construction of any new building, or (b) any new construction on previously undeveloped lots or sub-divided lots, or (c) any new construction on previously developed lots on which a building has been or will be demolished, or (d) any land disturbance of equal to or greater than one acre, or (e) any activities disturbing less than one acre of total land area that is part of a larger common plan of development or sale, even though multiple separate and distinct land development activities may take place at different times on different schedules.

**Landowner** - the legal or beneficial owner of land, including those holding the right to purchase or lease the land, or any other person holding proprietary rights in the land.

**Maintenance Agreement** - a legally recorded document that acts as a property deed restriction, and which provides for long-term maintenance of stormwater management practices.

**Nonpoint Source Pollution** - pollution from any source other than from any discernible, confined, and discrete conveyances, and shall include, but not be limited to, pollutants from agricultural, silvicultural, mining, construction, subsurface disposal and urban runoff sources.

**Phasing** - clearing a parcel of land in distinct pieces or parts, with the stabilization of each piece completed before the clearing of the next.

**Pollutant of Concern** - sediment or a water quality measurement that addresses sediment (such as total suspended solids, turbidity or siltation) and any other pollutant that has been identified as a cause of impairment of any water body that will receive a discharge from the land development activity.

**Project** - land development activity

**Recharge** - the replenishment of underground water reserves.

**Sediment Control** - measures that prevent eroded sediment from leaving the site.

**Sensitive Areas** - cold water fisheries, shellfish beds, swimming beaches, groundwater recharge areas, water supply reservoirs, habitats for threatened, endangered or special concern species.

**SPDES General Permit for Construction Activities GP-02-01** - A permit under the New York State Pollutant Discharge Elimination System (SPDES) issued to developers of construction activities to regulate disturbance of one or more acres of land.

**SPDES General Permit for Stormwater Discharges from Municipal Separate Stormwater Sewer Systems GP-02-02** - A permit under the New York State Pollutant Discharge Elimination System (SPDES) issued to municipalities to regulate discharges from municipal separate storm sewers for compliance with EPA established water quality standards and/or to specify stormwater control standards

**Stabilization** - the use of practices that prevent exposed soil from eroding.

**Stop Work Order** - an order issued which requires that all construction activity on a site be stopped.

**Stormwater** - rainwater, surface runoff, snowmelt and drainage

**Stormwater Hotspot** - a land use or activity that generates higher concentrations of hydrocarbons, trace metals or toxicants than are found in typical stormwater runoff, based on monitoring studies.

**Stormwater Management** - the use of structural or non-structural practices that are designed to reduce stormwater runoff and mitigate its adverse impacts on property, natural resources and the environment.

**Stormwater Management Facility** - one or a series of stormwater management practices installed, stabilized and operating for the purpose of controlling stormwater runoff.

**Stormwater Management Officer** - an employee or officer designated by the municipality to accept and review stormwater pollution prevention plans, forward the plans to the applicable municipal board and inspect stormwater management practices.

**Stormwater Management Practices (SMPs)** - measures, either structural or nonstructural, that are determined to be the most effective, practical means of preventing flood damage and preventing or reducing point source or nonpoint source pollution inputs to stormwater runoff and water bodies.

**Stormwater Pollution Prevention Plan (SWPPP)** - a plan for controlling stormwater runoff and pollutants from a site during and after construction activities.

**Stormwater Runoff** - flow on the surface of the ground, resulting from precipitation

**Surface Waters of the State of New York** - lakes, bays, sounds, ponds, impounding reservoirs, springs, wells, rivers, streams, creeks, estuaries, marshes, inlets, canals, the Atlantic ocean within the territorial seas of the state of New York and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, public or private (except those private waters that do not combine or effect a junction with natural surface or underground waters), which are wholly or partially within or bordering the state or within its jurisdiction.

Storm sewers and waste treatment systems, including treatment ponds or lagoons which also meet the criteria of this definition are not waters of the state. This exclusion applies only to manmade bodies of water which neither were originally created in waters of the state (such as a disposal area in wetlands) nor resulted from impoundment of waters of the state.

**Watercourse** - a permanent or intermittent stream or other body of water, either natural or man-made, which gathers or carries surface water.

**Waterway** - a channel that directs surface runoff to a watercourse or to the public storm drain.

## **Section 2. Stormwater Pollution Prevention Plans**

### **2.1. Stormwater Pollution Prevention Plan Requirement**

No application for approval of a land development activity shall be reviewed until the appropriate board has received a Stormwater Pollution Prevention Plan (SWPPP) prepared in accordance with the specifications in this local law.

### **2.2 Contents of Stormwater Pollution Prevention Plans**

2.2.1 All SWPPPs shall provide the following background information and erosion and sediment controls:

1. Background information about the scope of the project, including location, type and size of project.
2. Site map/construction drawing(s) for the project, including a general location map. At a minimum, the site map should show the total site area; all improvements; areas of disturbance; areas that will not be disturbed; existing vegetation; on-site and adjacent off-site surface water(s); wetlands and drainage patterns that could be affected by the construction activity; existing and final slopes; locations of off-site material, waste, borrow or equipment storage areas; and location(s) of the stormwater discharges(s);
3. Description of the soil(s) present at the site;
4. Construction phasing plan describing the intended sequence of construction activities, including clearing and grubbing, excavation and grading, utility and infrastructure installation and any other activity at the site that results in soil disturbance. Consistent with the New York Standards and Specifications for Erosion and Sediment Control (Erosion Control Manual), not more than five (5) acres shall be disturbed at any one time unless pursuant to an approved SWPPP.

5. Description of the pollution prevention measures that will be used to control litter, construction chemicals and construction debris from becoming a pollutant source in stormwater runoff;
6. Description of construction and waste materials expected to be stored on-site with updates as appropriate, and a description of controls to reduce pollutants from these materials including storage practices to minimize exposure of the materials to stormwater, and spill prevention and response;
7. Temporary and permanent structural and vegetative measures to be used for soil stabilization, runoff control and sediment control for each stage of the project from initial land clearing and grubbing to project close-out;
8. A site map/construction drawing(s) specifying the location(s), size(s) and length(s) of each erosion and sediment control practice;
9. Dimensions, material specifications and installation details for all erosion and sediment control practices, including the siting and sizing of any temporary sediment basins;
10. Temporary practices that will be converted to permanent control measures;
11. Implementation schedule for staging temporary erosion and sediment control practices, including the timing of initial placement and duration that each practice should remain in place;
12. Maintenance schedule to ensure continuous and effective operation of the erosion and sediment control practice;
13. Name(s) of the receiving water(s);
14. Delineation of SWPPP implementation responsibilities for each part of the site;
15. Description of structural practices designed to divert flows from exposed soils, store flows, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site to the degree attainable; and
16. Any existing data that describes the stormwater runoff at the site.

2.2.2 Land development activities as defined in Section 1 of this Article and meeting Condition “A”, “B” or “C” below shall also include water quantity and water quality controls (post-construction stormwater runoff controls) as set forth in Section 2.2.3 below as applicable:

1. Condition A - Stormwater runoff from land development activities discharging a pollutant of concern to either an impaired water identified on the Department’s 303(d) list of impaired waters or a Total Maximum Daily Load (TMDL) designated watershed for which pollutants in stormwater have been identified as a source of the impairment.
2. Condition B - Stormwater runoff from land development activities disturbing five (5) or more acres.
3. Condition C - Stormwater runoff from land development activity disturbing between one (1) and five (5) acres of land during the course of the project, exclusive of the construction of single family residences and construction activities at agricultural properties.

2.2.3 SWPPP Requirements for Condition A, B and C:

1. All information in Section 2.2 .1 of this local law
2. Description of each post-construction stormwater management practice;
3. Site map/construction drawing(s) showing the specific location(s) and size(s) of each post-construction stormwater management practice;
4. Hydrologic and hydraulic analysis for all structural components of the stormwater management system for the applicable design storms
5. Comparison of post-development stormwater runoff conditions with pre-development conditions
6. Dimensions, material specifications and installation details for each post-construction stormwater management practice;
7. Maintenance schedule to ensure continuous and effective operation of each post-construction stormwater management practice.

8. Maintenance easements to ensure access to all stormwater management practices at the site for the purpose of inspection and repair. Easements shall be recorded on the plan and shall remain in effect with transfer of title to the property.
9. Inspection and maintenance agreement binding on all subsequent landowners served by the on-site stormwater management measures in accordance with Article 2, Section 4 of this local law.

### **2.3 Plan Certification**

The SWPPP shall be prepared by a landscape architect, certified professional or professional engineer and must be signed by the professional preparing the plan, who shall certify that the design of all stormwater management practices meet the requirements in this local law.

### **2.4 Other Environmental Permits**

The applicant shall assure that all other applicable environmental permits have been or will be acquired for the land development activity prior to approval of the final stormwater design plan.

### **2.5 Contractor Certification**

- 2.5.1 Each contractor and subcontractor identified in the SWPPP who will be involved in soil disturbance and/or stormwater management practice installation shall sign and date a copy of the following certification statement before undertaking any land development activity : “I certify under penalty of law that I understand and agree to comply with the terms and conditions of the Stormwater Pollution Prevention Plan. I also understand that it is unlawful for any person to cause or contribute to a violation of water quality standards.”
- 2.5.2 The certification must include the name and title of the person providing the signature, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification is made.
- 2.5.3 The certification statement(s) shall become part of the SWPPP for the land development activity.

- 2.6 A copy of the SWPPP shall be retained at the site of the land development activity during construction from the date of initiation of construction activities to the date of final stabilization.

## **Section 3. Performance and Design Criteria for Stormwater Management and Erosion and Sediment Control**

All land development activities shall be subject to the following performance and design criteria:

### **3.1 Technical Standards**

For the purpose of this local law, the following documents shall serve as the official guides and specifications for stormwater management. Stormwater management practices that are designed and constructed in accordance with these technical documents shall be presumed to meet the standards imposed by this law:

- 3.1.1 The New York State Stormwater Management Design Manual (New York State Department of Environmental Conservation, most current

version or its successor, hereafter referred to as the Design Manual)

- 3.1.2 New York Standards and Specifications for Erosion and Sediment Control, (Empire State Chapter of the Soil and Water Conservation Society, 2004, most current version or its successor, hereafter referred to as the Erosion Control Manual).

### **3.2 Water Quality Standards**

- 3.2.1 Any land development activity shall not cause an increase in turbidity that will result in substantial visible contrast to natural conditions in surface waters of the state of New York.



## **Section 4. Maintenance and Repair of Stormwater Facilities**

### **4.1 Maintenance During Construction**

- 4.1.1 The applicant or developer of the land development activity shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the applicant or developer to achieve compliance with the conditions of this local law. Sediment shall be removed from sediment traps or sediment ponds whenever their design capacity has been reduced by fifty (50) percent.
- 4.1.2 The applicant or developer or their representative shall be on site at all times when construction or grading activity takes place and shall inspect and document the effectiveness of all erosion and sediment control practices. Inspection reports shall be completed every 7 days and within 24 hours of any storm event producing 0.5 inches of precipitation or more. The reports shall be delivered to the Stormwater Management Officer and also copied to the site log book.

### **4.2 Maintenance Easement(s)**

Prior to the issuance of any approval that has a stormwater management facility as one of the requirements, the applicant or developer must execute a maintenance easement agreement that shall be binding on all subsequent landowners served by the stormwater management facility. The easement shall provide for access to the facility at reasonable times for periodic inspection by the **Village of Ardsley** to ensure that the facility is maintained in proper working condition to meet design standards and any other provisions established by this local law. The easement shall be recorded by the grantor in the office of the County Clerk after approval by the counsel for the **Village of Ardsley**.

### **4.3 Maintenance after Construction**

The owner or operator of permanent stormwater management practices installed in accordance with this law shall operate and maintain the stormwater management practices to achieve the goals of this law. Proper operation and maintenance also includes as a minimum, the following:

- 4.3.1 A preventive/corrective maintenance program for all critical facilities and systems of treatment and control (or related appurtenances) which are installed or used by the owner or operator to achieve the goals of this law.
- 4.3.2 Written procedures for operation and maintenance and training new maintenance personnel.
- 4.3.3 Discharges from the SMPs shall not exceed design criteria or cause or contribute to water quality standard violations in accordance with Article 2, section 3.2.

### **4.4 Maintenance Agreements**

The **Village of Ardsley** shall approve a formal maintenance agreement for stormwater management facilities binding on all subsequent landowners and recorded in the office of the County Clerk as a deed restriction on the property prior to final plan approval. The maintenance agreement shall be consistent with the terms and

conditions of Schedule B of this local law entitled Sample Stormwater Control Facility Maintenance Agreement. The **Village of Ardsley**, in lieu of a maintenance agreement, at its sole discretion may accept dedication of any existing or future stormwater management facility, provided such facility meets all the requirements of this local law and includes adequate and perpetual access and sufficient area, by easement or otherwise, for inspection and regular maintenance.

## **Section 5. Severability and Effective Date**

### **5.1 Severability**

If the provisions of any article, section, subsection, paragraph, subdivision or clause of this local law shall be judged invalid by a court of competent jurisdiction, such order of judgment shall not affect or invalidate the remainder of any article, section, subsection, paragraph, subdivision or clause of this local law.

### **5.2 Effective Date**

This Local Law shall be effective upon filing with the office of the Secretary of State.

Approved by: \_\_\_\_\_ Date: April 11, 2005

## **Article 3. Subdivision Regulation Amendment**

The Subdivision Regulations of the **Village of Ardsley** are hereby amended by adding the following to the information requirements:

A. For Preliminary Subdivision Plat add: Stormwater Pollution Prevention Plan: A Stormwater Pollution Prevention Plan (SWPPP) consistent with the requirements of Article 1 and 2 of this local law shall be required for Preliminary Subdivision Plat approval. The SWPPP shall meet the performance and design criteria and standards in Article 2 of this local law. The approved Preliminary Subdivision Plat shall be consistent with the provisions of this local law.

B. For Final Subdivision Plat approval add: Stormwater Pollution Prevention Plan: A Stormwater Pollution Prevention Plan consistent with the requirements of Article 1 and 2 of this local law and with the terms of preliminary plan approval shall be required for Final Subdivision Plat approval. The SWPPP shall meet the performance and design criteria and standards in Article 2 of this local law. The approved Final Subdivision Plat shall be consistent with the provisions of this local law.

## **Article 4. Site Plan Review Regulation Amendment**

The Site Plan Review regulations of the **Village of Ardsley** are hereby amended by adding the following to the information requirements:

For Site Plan Approval add: Stormwater Pollution Prevention Plan: A Stormwater Pollution Prevention Plan consistent with the requirements of Article 1 and 2 of this local law shall be required to be submitted with the application for Site Plan Approval. The SWPPP shall meet the performance and design criteria and standards in Article 2 of this local law. The approved Site Plan shall be consistent with the provisions of this local law.

## **Article 5. Erosion & Sediment Control Law**

The Erosion & Sediment Control Law of the **Village of Ardsley** is hereby adopted.

## **Section 1. Construction Inspection**

### **1.1 Erosion and Sediment Control Inspection**

The **Village of Ardsley** Stormwater Management Officer may require such inspections as necessary to determine compliance with this law and may either approve that portion of the work completed or notify the applicant wherein the work fails to comply with the requirements of this law and the stormwater pollution prevention plan (SWPPP) as approved. ***The Stormwater Management Officer may (1) conduct the inspection, or, (2) upon approval of the Board of Trustees of the Village of Ardsley, engage the services of a registered engineer to conduct the inspection at a cost not to exceed a fee schedule established by the said governing board.*** To obtain inspections, the applicant shall notify the **Village of Ardsley** enforcement official at least 48 hours before any of the following as required by the Stormwater Management Officer:

- 1.1.1 Start of construction
- 1.1.2 Installation of sediment and erosion control measures
- 1.1.3 Completion of site clearing
- 1.1.4 Completion of rough grading
- 1.1.5 Completion of final grading
- 1.1.6 Close of the construction season
- 1.1.7 Completion of final landscaping
- 1.1.8 Successful establishment of landscaping in public areas.

If any violations are found, the applicant and developer shall be notified in writing of the nature of the violation and the required corrective actions. No further work shall be conducted except for site stabilization until any violations are corrected and all work previously completed has received approval by the Stormwater Management Officer.

### **1.2 Stormwater Management Practice Inspections**

The **Village of Ardsley** Stormwater Management Officer, is responsible for conducting inspections of stormwater management practices (SMPs). All applicants are required to submit “as built” plans for any stormwater management practices located on-site after final construction is completed. The plan must show the final design specifications for all stormwater management facilities and must be certified by a professional engineer.

### **1.3 Inspection of Stormwater Facilities After Project Completion**

Inspection programs shall be established on any reasonable basis, including but not limited to: routine inspections; random inspections; inspections based upon complaints or other notice of possible violations; inspection of drainage basins or areas identified as higher than typical sources of sediment or other contaminants or pollutants; inspections of businesses or industries of a type associated with higher than usual discharges of contaminants or pollutants or with discharges of a type which are more likely than the typical discharge to cause violations of state or federal water or sediment quality standards or the SPDES stormwater permit; and

joint inspections with other agencies inspecting under environmental or safety laws. Inspections may include, but are not limited to: reviewing maintenance and repair records; sampling discharges, surface water, groundwater, and material or water in drainage control facilities; and evaluating the condition of drainage control facilities and other stormwater management practices.

#### **1.4 Submission of Reports**

The **Village of Ardsley** Stormwater Management Officer may require monitoring and reporting from entities subject to this law as are necessary to determine compliance with this law.

#### **1.5 Right-of-Entry for Inspection**

When any new stormwater management facility is installed on private property or when any new connection is made between private property and the public storm water system, the landowner shall grant to the **Village of Ardsley** the right to enter the property at reasonable times and in a reasonable manner for the purpose of inspection as specified in paragraph 1.3.

### **Section 2. Performance Guarantee**

#### **2.1 Construction Completion Guarantee**

In order to ensure the full and faithful completion of all land development activities related to compliance with all conditions set forth by the **Village of Ardsley** in its approval of the Stormwater Pollution Prevention Plan, the **Village of Ardsley** may require the applicant or developer to provide, prior to construction, a performance bond, cash escrow, or irrevocable letter of credit from an appropriate financial or surety institution which guarantees satisfactory completion of the project and names the **Village of Ardsley** as the beneficiary. The security shall be in an amount to be determined by the **Village of Ardsley** based on submission of final design plans, with reference to actual construction and landscaping costs. The performance guarantee shall remain in force until the surety is released from liability by the **Village of Ardsley**, provided that such period shall not be less than one year from the date of final acceptance or such other certification that the facility (ies) have been constructed in accordance with the approved plans and specifications and that a one year inspection has been conducted and the facilities have been found to be acceptable to the **Village of Ardsley**. Per annum interest on cash escrow deposits shall be reinvested in the account until the surety is released from liability.

#### **2.2 Maintenance Guarantee**

Where stormwater management and erosion and sediment control facilities are to be operated and maintained by the developer or by a corporation that owns or manages a commercial or industrial facility, the developer, prior to construction, may be required to provide the **Village of Ardsley** with an irrevocable letter of credit from an approved financial institution or surety to ensure proper operation and maintenance of all stormwater management and erosion control facilities both during and after construction, and until the facilities are removed from operation. If the developer or landowner fails to properly operate and maintain stormwater management and erosion and sediment control facilities, the **Village of Ardsley** may draw upon the account to cover the costs of proper operation and maintenance, including engineering and inspection costs.

#### **2.3 Recordkeeping**

The **Village of Ardsley** may require applicants subject to this law to maintain records demonstrating compliance with this law.

### **Section 3. Enforcement and Penalties**

#### **3.1 Notice of Violation.**

When the **Village of Ardsley** determines that a land development activity is not being carried out in accordance with the requirements of this local law, it may issue a written notice of violation to the landowner. The notice of violation shall contain:

- 3.1.1 the name and address of the landowner, developer or applicant;
- 3.1.2 the address when available or a description of the building, structure or land upon which the violation is occurring;
- 3.1.3 a statement specifying the nature of the violation;
- 3.1.4 a description of the remedial measures necessary to bring the land development activity into compliance with this local law and a time schedule for the completion of such remedial action;
- 3.1.5 a statement of the penalty or penalties that shall or may be assessed against the person to whom the notice of violation is directed;
- 3.1.6 a statement that the determination of violation may be appealed to the municipality by filing a written notice of appeal within fifteen (15) days of service of notice of violation.

#### **3.2 Stop Work Orders**

The **Village of Ardsley** may issue a stop work order for violations of this law. Persons receiving a stop work order shall be required to halt all land development activities, except those activities that address the violations leading to the stop work order. The stop work order shall be in effect until the **Village of Ardsley** confirms that the land development activity is in compliance and the violation has been satisfactorily addressed. Failure to address a stop work order in a timely manner may result in civil, criminal, or monetary penalties in accordance with the enforcement measures authorized in this local law.

#### **3.3 Violations**

Any land development activity that is commenced or is conducted contrary to this local law, may be restrained by injunction or otherwise abated in a manner provided by law.

#### **3.4 Penalties**

In addition to or as an alternative to any penalty provided herein or by law, any person who violates the provisions of this local law shall be guilty of a violation punishable by a fine not exceeding three hundred fifty dollars (\$350) or imprisonment for a period not to exceed six months, or both for conviction of a first offense; for conviction of a second offense both of which were committed within a period of five years, punishable by a fine not less than three hundred fifty dollars nor more than seven hundred dollars (\$700) or imprisonment for a period not to exceed six months, or both; and upon conviction for a third or subsequent offense all of which were committed within a period of five years, punishable by a fine not less than seven hundred dollars nor more than one thousand dollars (\$1000) or imprisonment for a period not to exceed six months, or both. However, for the purposes of conferring jurisdiction upon courts and judicial officers generally, violations of this local law shall be deemed misdemeanors and for such purpose only all provisions of law relating to misdemeanors shall apply to such violations. Each week's continued violation shall constitute a separate additional violation.

#### **3.5 Withholding of Certificate of Occupancy**

If any building or land development activity is installed or conducted in violation of this local law the Stormwater Management Officer may prevent the occupancy of said building or land.

### **3.6 Restoration of lands**

Any violator may be required to restore land to its undisturbed condition. In the event that restoration is not undertaken within a reasonable time after notice, the **Village of Ardsley** may take necessary corrective action, the cost of which shall become a lien upon the property until paid.

## **Section 4. Fees for Services**

The **Village of Ardsley** may require any person undertaking land development activities regulated by this law to pay reasonable costs at prevailing rates for review of SWPPPs, inspections, or SMP maintenance performed by the **Village of Ardsley** or performed by a third party for the **Village of Ardsley**.

**Schedule A**

<b>Stormwater Management Practices Acceptable for Water Quality</b> <i>(From: New York State Stormwater Management Design Manual, Table 5.1)</i>		
<b>Group</b>	<b>Practice</b>	<b>Description</b>
<b>Pond</b>	Micropool Extended Detention Pond (P-1)	Pond that treats the majority of the water quality volume through extended detention, and incorporates a micropool at the outlet of the pond to prevent sediment resuspension.
	Wet Pond (P-2)	Pond that provides storage for the entire water quality volume in the permanent pool.
	Wet Extended Detention Pond (P-3)	Pond that treats a portion of the water quality volume by detaining storm flows above a permanent pool for a specified minimum detention time.
	Multiple Pond System (P-4)	A group of ponds that collectively treat the water quality volume.
	Pocket Pond (P-5)	A stormwater wetland design adapted for the treatment of runoff from small drainage areas that has little or no baseflow available to maintain water elevations and relies on groundwater to maintain a permanent pool.
<b>Wetland</b>	Shallow Wetland (W-1)	A wetland that provides water quality treatment entirely in a shallow marsh.
	Extended Detention Wetland (W-2)	A wetland system that provides some fraction of the water quality volume by detaining storm flows above the marsh surface.
	Pond/Wetland System (W-3)	A wetland system that provides a portion of the water quality volume in the permanent pool of a wet pond that precedes the marsh for a specified minimum detention time.
	Pocket Wetland (W-4)	A shallow wetland design adapted for the treatment of runoff from small drainage areas that has variable water levels and relies on groundwater for its permanent pool.
<b>Infiltration</b>	Infiltration Trench (I-1)	An infiltration practice that stores the water quality volume in the void spaces of a gravel trench before it is infiltrated into the ground.
	Infiltration Basin (I-2)	An infiltration practice that stores the water quality volume in a shallow depression before it is infiltrated into the ground.
	Dry Well (I-3)	An infiltration practice similar in design to the infiltration trench, and best suited for treatment of rooftop runoff.
	Surface Sand Filter (F-1)	A filtering practice that treats stormwater by settling out larger particles in a sediment chamber, and then filtering stormwater through a sand matrix.
	Underground Sand Filter (F-2)	A filtering practice that treats stormwater as it flows through underground settling and filtering chambers.

<b>Filtering Practices</b>	Perimeter Sand Filter (F-3)	A filter that incorporates a sediment chamber and filter bed as parallel vaults adjacent to a parking lot.
	Organic Filter (F-4)	A filtering practice that uses an organic medium such as compost in the filter in place of sand.
	Bioretention (F-5)	A shallow depression that treats stormwater as it flows through a soil matrix, and is returned to the storm drain system.
<b>Open Channels</b>	Dry Swale (O-1)	An open drainage channel or depression explicitly designed to detain and promote the filtration of stormwater runoff into the soil media.
	Wet Swale (O-2)	An open drainage channel or depression designed to retain water or intercept groundwater for water quality treatment.

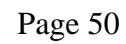


**Item 11b : Ardsley Village Board  
Resolution Adopting ESC Law**

**Resolution Adopting a Local Law on Stormwater Management  
and Erosion Control**

- Whereas,** the Village of Ardsley (“Ardsley”) is charged with the responsibility and required by law to adopt legislation for Stormwater Management and Erosion and Sediment Control; and
- Whereas,** Ardsley prepared a draft local law that is designed to accomplish such a purpose and is in compliance with the NYSDEC Stormwater Design Manual and the N.S. Standards and Specifications for Erosion and Sediment Control for use by Planning Boards in New York State in reviewing subdivisions and site plan approvals; and
- Whereas,** this local law will among other provisions, provide for the preparation and submission of the Stormwater Pollution Prevention Plans for construction projects over one (1) acre; and
- Whereas,** in addition to its other requirements, it further provides for updating of Ardsley’s zoning, subdivision and site plan requirements in conformance with these objectives, and the imposition of penalties for the violation thereof; and
- Whereas,** a notice was duly published and public hearings were conducted on March 7, 2005 and March 21, 2005 wherein the public was given an opportunity to be heard; and
- Whereas,** after deliberation and review Ardsley believes this local law is in the best interests of its residents and complies with all Federal and State requirements; now therefore be it
- Resolved,** that the Village Board of the Village of Ardsley hereby adopts local law entitled “Stormwater Management and Erosion & Sediment Control”. This local law shall become effective upon filing with the Secretary of State.

Prepared by Debbie Henneberry, Assistant Village Manager on March 18, 2005 for the March 21, 2005 Village Board meeting under Old Business.

Municipality Name  
SPDES Number

(actual tables are full pages of entry lines)

### Item 13 Draft DPW Manual

#### Catch Basin Maintenance

Location (st/cross st)	ID #	Size (LxWxD in ft)	Type	Date cleaned

#### Pesticide/Herbicide/Fertilizer Application

Location (st/cross st)	Chemicals applied	Contractor	Date applied

#### Road Repair

Location (st/cross st)	Material	Amount	Disposal method	Date of use

#### Vehicle Maintenance

Vehicle type	Plate #	Wash or Maintenance (brief description)	Date serviced

#### Road Salt Application

Village (total) or Neighborhood (name)	Amount	Date applied

**Training Sessions:**

- Name of program
- Location
- Date
- List of those attending
- Any certification(s) received
- Save copy of brochure describing the program

**Incident Report**

Location (st/cross st)	Description (water main, sewage)	Date incident	Repair (DPW or other)	Date repaired

## Item 14: GIS Data Sharing IMA

### INTER-MUNICIPAL AGREEMENT

**AGREEMENT**, made the 1<sup>st</sup> day of April 2005 by and between

**THE COUNTY OF WESTCHESTER**, a municipal corporation of the State of New York, having an office and place of business in the Michaelian Office Building, 148 Martine Avenue, White Plains, New York 10601

(hereinafter referred to as the “County”)

and

**VILLAGE OF ARDSLEY**, a municipal corporation of the State of New York, having an office and place of business at Village Hall 507 Ashford Avenue  
Ardsley, New York 10502

(hereinafter referred to as the “Municipality”)

**WHEREAS**, a major cost associated with the development of a geographic information system (“GIS”) program is related to the development and maintenance of its spatial data; and

**WHEREAS**, the reuse and distribution of GIS data created by government agencies provides significant cost saving opportunities to other government programs/entities with limited technical and financial resources; and

**WHEREAS**, the County and the Municipality are desirous of obtaining the savings associated with sharing of their respective GIS data pursuant to the terms described below.

**NOW, THEREFORE**, in consideration of the mutual representations, covenants and agreements herein set forth, the County and the Municipality , each binding itself, its successors and assigns, do mutually promise, covenant and agree as follows:

**FIRST:** The County agrees to make the following data sets available to the Municipality:

**Village-wide data on CD-ROM to include:**

- **100-scale planimetrics** (ARC/INFO export format)
- **Color orthophotography** (MrSid format)
- **Database design document** (PDF format)

The County does not warrant the accuracy of the above data and the Municipality agrees to take the data on an “as is” basis. Aerial photography was captured in April 2000 by Sanborn Map Company (Pelham, NY) at an altitude of 4809' above sea level and a photo scale of 1" = 800'. Imagery is registered to the State Plane Feet New York East FIPS 3101 (NAD83 and NAVD88) and meet National Map Accuracy Standards at 1" = 100'.

The Municipality agrees that the data is for internal use only and may not be distributed to any third party without the consent of the County through a 3<sup>rd</sup> party IMA data sharing agreement which can be obtained on request from the County.

Both the Westchester County GIS agency (gisban.jpg) and Westchestergov.com logos (wclogo.jpg), as well as the county's GIS web address (giswww.westchestergov.com) are to be included on all printed materials (maps, documents, etc.) Including electronic presentations such as PowerPoint. If any data is to be incorporated into desktop or web mapping applications, the Westchester County GIS agency logo (gisban.jpg) and web address (giswww.westchestergov.com) should be prominently displayed so as to give credit to county GIS data products and information.

**SECOND:** The Municipality agrees to make the following data sets available to the County:

**Village-wide data on CD-ROM to include, but not limited to:**

- **Digital tax parcel data [ARC/INFO export format with Section, Block and Lot (SBL) number]**

The Municipality does not warrant the accuracy of the above data and the County agrees to take the data on an “as is” basis. The County agrees that the data is for internal use only and may not be distributed to any third party without the consent of the Municipality.

**THIRD:** Each party agrees that except for the amount, if any, of damage contributed to, caused by or resulting from the negligence of the other party, the indemnifying party shall defend, indemnify and hold harmless the other party, its officers, employees and agents from and against any and all liability, damage, claims, demands, costs, judgments, fees, attorneys' fees or loss arising directly or indirectly out of the acts or omissions of the indemnifying party.

**FOURTH:** The term of this Agreement will commence April 1, 2005 and terminate April 1, 2010 unless terminated earlier as provided herein.

**FIFTH:** Either party may cancel this Agreement on thirty (30) days written notice to the other party.

**SIXTH:** This Agreement shall not be enforceable unless signed by the parties and approved by the Office of the County Attorney.

**SEVENTH:** All notices given pursuant to this agreement shall be in writing and effective on mailing. All notices shall be sent by registered or certified mail, return receipt requested and mailed to the following addresses:

To The County:

Norman J. Jacknis  
Chief Information Officer  
Michaelian Office Building, Room 908  
148 Martine Avenue  
White Plains, New York 10601

With a copy to:

County Attorney  
Michaelian Office Building, Room 600  
148 Martine Avenue  
White Plains, New York 10601

And

Sam T. Wear  
GIS Manager  
Michaelian Office Building, Room 305  
148 Martine Avenue  
White Plains, New York 10601



To the Municipality:

Hon. Samuel J. Abate, Jr.  
Village Mayor  
Village of Ardsley  
507 Ashford Avenue  
Ardsley, New York 10502

or to such other addresses as may be specified by the parties hereto in writing.

**EIGHTH:** This Agreement constitutes the entire agreement between the parties hereto with respect to the subject matter hereof and shall supersede all previous negotiations, comments and writings. It shall not be released, discharged, changed or modified except by an instrument in writing signed by a duly authorized representative of each of the parties.

**NINTH:** Each party is solely responsible for any costs it may incur in the development or subsequent sharing of its GIS data.

**TENTH:** Any delegation of duties or assignment of rights under this Agreement, without the prior express written consent of the County, is void.

**IN WITNESS WHEREOF,** the County and the Municipality have executed this

Agreement in triplicate:

**COUNTY OF WESTCHESTER**

By: \_\_\_\_\_

\_\_\_\_\_

(Name and Title)

**VILLAGE OF ARDSLEY**

By: \_\_\_\_\_

\_\_\_\_\_  
(Village Manager)

Approved by the Board of Legislators of the County of Westchester by Act No. 199 on 9/9/02.

Approved by the Board of Acquisition and Contract of the County of Westchester on the 3rd day of October, 2002.

Approved as to form and  
manner of execution:

\_\_\_\_\_  
Sr. Assistant County Attorney  
The County of Westchester

**Item 15: Memorandum of Agreement**

**MEMORANDUM OF AGREEMENT  
Establishing the Bronx River Watershed Coalition**

This AGREEMENT, dated \_\_\_\_\_, 2005 is between local governments whose boundaries are wholly or partially within the Bronx River watershed (which includes tributaries such as Grassy Sprain Brook and Kensico Reservoir) and other cooperating parties with an interest in improving water quality and the ecosystems of the Bronx River watershed.

WHEREAS, maintaining and enhancing water quality and ecological health in and along the Bronx River and its tributaries, which are part of the Long Island Sound drainage basin, is essential to the economic well-being, environmental and public health, recreational opportunities, and quality of life for the local governments, residents, and visitors of the Bronx River and Long Island Sound watersheds;

WHEREAS, numerous cooperating parties, including local, state and federal governments and not-for-profit organizations, whose jurisdictions and interests pertain to the Bronx River watershed, share a common goal to protect the water quality and ecological health of the watershed, which is affected by the actions and decisions of these parties;

WHEREAS, certain segments of the Bronx River and its tributaries remain impaired due to polluted stormwater runoff from developed areas of the watershed, other forms of pollution, and diminished and/or degraded habitat and natural resources;

WHEREAS, the cooperating parties wish to develop effective, watershed-wide solutions through the establishment of an appropriate institutional mechanism to be known as the Bronx River Watershed Coalition;

WHEREAS, fourteen Westchester County municipalities, three not-for-profit organizations concerned about the Bronx River, and the County of Westchester agreed to work cooperatively on a plan to improve water quality in the Bronx River and its tributaries by controlling polluted stormwater throughout the river's Westchester County watershed;

WHEREAS, this group of stakeholders formed an intermunicipal organization known as Watershed Advisory Committee 7, which has been assessing natural resources in the watershed in Westchester County, reviewing municipal laws affecting water quality in the watershed, and conducting other analyses to further the development of the water quality improvement plan in accordance with the committee's scope of work since September 2003;

WHEREAS, the New York City Parks and Recreation Department, Bronx River Alliance and Westchester County Department of Planning worked

Municipality Name  
SPDES Number

cooperatively to apply for a New York State Environmental Protection Fund grant to implement certain tasks noted in the scope of work and further the development of a water quality improvement plan that covers the Bronx River watershed in its entirety;

WHEREAS, the parties hereto are desirous of continuing to work together on a cooperative basis in order to maintain communication among the parties, establish a forum to address Bronx River watershed issues, enhance intermunicipal and public-private efforts to manage water quality and habitat issues in the Bronx River watershed, and begin to develop the ability to measure the success of, and provide oversight over, water quality, habitat, and ecological health improvement actions affecting the Bronx River and its tributaries;

**NOW, THEREFORE**, we, the duly appointed representatives of our respective municipalities and agencies, hereby voluntarily enter into this non-binding **MEMORANDUM OF AGREEMENT ESTABLISHING THE BRONX RIVER WATERSHED COALITION (AGREEMENT)** to participate in a partnership called the Bronx River Watershed Coalition (replacing Watershed Advisory Committee 7) and commit to work cooperatively on the following:

THAT the Bronx River Watershed Coalition shall be comprised of a minimum of one and maximum of two designated representative(s) of each signatory party and administered by the Westchester County Department of Planning, New York City Department of Parks and Recreation, and/or Bronx River Alliance;

THAT each party may, at its discretion and from time to time, change its representative to the Bronx River Watershed Coalition;

THAT the Bronx River Watershed Coalition will:

Advance actions that would create and implement a water quality and ecosystems improvement plan for the Bronx River watershed to be entitled “Bronx River Watershed Management Plan”;

Periodically review and update and/or establish priority actions recommended in the plan for improving water quality and ecosystems in the watershed;

Identify funding priorities for consideration by members interested in applying for grants or seeking any other financial assistance that would improve water quality and ecosystems in the watershed;

Periodically review actions undertaken to improve water quality and ecosystems in the watershed;

Facilitate coordination of efforts, sharing of information, and increased education among members of the Bronx River Watershed Coalition;

Approve annual work plans, as needed, for the Bronx River Watershed Coalition;

Convene annual forums for the purpose of reviewing past accomplishments and discussing actions needed to further improve water quality and ecosystems in the watershed;

Establish subcommittees, as needed;

Develop guidelines and procedures for the conduct of its business, as needed.

THE parties signing this AGREEMENT represent that they have been duly authorized to enter into this AGREEMENT, pursuant to their respective authorities.

**Item 16: NYSDEC Grant IMA (Sleepy Hollow)**

## INTER-MUNICIPAL AGREEMENT

**AGREEMENT**, made the       day of       , 2005 by and between

**THE VILLAGE OF SLEEPY HOLLOW**, a municipal corporation of the State of New York, having an office and place of business at 28 Beekman Avenue, Sleepy Hollow, New York 10591,

(hereinafter referred to as “Sleepy Hollow”)

and

**THE VILLAGES OF ARDSLEY** having an office and place of business at 507 Ashford Avenue, Ardsley, New York 10502, **BRIARCLIFF MANOR** having an office and place of business at 1111 Pleasantville Road, Briarcliff Manor, New York 10510, **BRONXVILLE** having an office and place of business at 200 Pondfield Road, Bronxville, New York 10708, **DOBBS FERRY** having an office and place of business at 112 Main Street, Dobbs Ferry, New York 10522, **ELMSFORD** having an office and place of business at 15 South Stone Avenue, Elmsford, New York, **HASTINGS-ON-HUDSON** having an office and place of business at 7 Maple Avenue, Hastings-on-Hudson, New York 10706, **IRVINGTON** having an office and place of business at 85 Main Street, Irvington, New York 10533, **LARCHMONT** having an office and place of business at 120 Larchmont Avenue, Larchmont, New York 10538, **PELHAM MANOR** having an office and place of business at 4 Penfield Place, Pelham Manor, New York 10803, **PORT CHESTER** having an office and place of business at 10 Pearl Street, Rye, New York 10573 , **RYE BROOK** having an office and place of business at 938 King Street, Rye Brook, New York 10573, **TOWN OF EASTCHESTER** having an office and place of business at 40 Mill Road, Eastchester, New York 10709, **TOWNS/VILLAGES OF HARRISON** having an office and place of business at 1 Heineman Place, Harrison, New York 10528, and **MT. KISCO** having an office and place of business at 104 Main Street, Mount Kisco, New York 10549, and **CITY OF PEEKSKILL** having an office and place of business at 840 Main Street, Peekskill, New York 10566,

(hereinafter referred to as “Municipalities”).

**WITNESSETH:**

**WHEREAS**, Sleepy Hollow, acting on behalf of the above participating municipalities has applied for and been awarded grants from the New York State Department of Environmental Conservation under the Environmental

1. Protection Fund, Project #2003WQ16033 and Project #2003WQ16236 to assist in the carrying out of MS4 Phase II Stormwater Permit Implementation Projects; and
2. **WHEREAS**, pursuant to the implementation of storm water management phase II consistent with the grant applications, the participating municipalities will undertake a series of initiatives attached hereto as Work Plan Schedule A and Work Plan Schedule B; and
3. **WHEREAS**, pursuant to the subject grants obtained from the New York State Department of Environmental Conservation the participating municipalities are required to undertake and complete said Work Plans; and

Municipality Name  
SPDES Number

4. **WHEREAS**, the engineering firm of Dolph Rotfeld Engineering P.C., 200 White Plains Road, Tarrytown, NY 10591 has participated and assisted in the organizing and drafting of the subject grant applications and in the development of the Schedule A and Schedule B Work Plans and will now assist in the overall administration and management of said grants; and
5. **WHEREAS**, grants #2003WQ16033 and #2003WQ16236 require matching contributions from participating municipalities including the Village of Sleepy Hollow; and
6. **WHEREAS**, Sleepy Hollow will be the recipient of the grants and responsible for fiscal management thereof including appropriate periodic vouchering for reimbursement for grant expenditures.
7. **WHEREAS**, proposed budgets have been drafted (attachment “C”) for submission to the Department of Environmental Conservation (“DEC”) for their review and approval, and said budgets detail proposed expenditures of said grant funds as well as matching contributions.

**NOW, THEREFORE**, the parties agree as follows:

Article I. Rights and Responsibilities of the Participating Municipalities (“PMs”).

Section 1.1 The PMs will provide support staff necessary to implement the work plans detailed in Schedules A & B.

Section 1.2 The PMs will fully cooperate and assist with the scheduling of work to be performed in the Schedule A and Schedule B work plans.

Section 1.3 The PMs will provide documentation of in kind work in a form and manner to be mutually agreed upon between the PMs and the DEC.

Section 1.4 The PMs will provide certificates of insurance naming the Village of Sleepy Hollow as additional insured.

Section 1.5 In order to assist Sleepy Hollow with the overall fiscal management, the PMs agree to deposit the sum of \$2,500.00 for each of the two grant projects to be held in escrow by Sleepy Hollow, said funds to be utilized: (a) on an interim basis for consultant fees and other disbursements, pending state reimbursement, and (b) to ensure that any matching funds to be provided by the PMs are so provided.

Article 2. Role of Administrative Management Consultant (AMC”).

Section 2.1 The AMC will organize and in some cases conduct workshops including booking of facilities, contacting and entering into agreement with sub-consultants, clerical, postage, printing in support of said workshops.

Section 2.2 The AMC will provide needed clerical and office support for grant tracking.

Section 2.3 The AMC will act as organizer of the various municipalities.

Section 2.4 The AMC, acting as agent for the PMs, will contract with sub-consultants subject to the terms of this IMA.

Section 2.5 The AMC will take other steps necessary to carry out the goals and as detailed in the subject grant applications.

Section 2.6 The AMC will be responsible for preparation of reports as required by the DEC.

### Article 3. Role of Village of Sleepy Hollow

Section 3.1 Sleepy Hollow will oversee billing for grant activities and all other aspects of fiscal management.

Section 3.2 Sleepy Hollow will contract for the audit of the grant.

Section 3.3 Sleepy Hollow will provide a centralized financial and programmatic recordkeeping documenting grant expenditures and activities.

### Article 4. Term of the Agreement.

Section 4.1 The agreement is running for an eighteen (18) month period commencing February 1, 2005 and ending July 31, 2006.

Section 4.2 Term may be extended under terms to be mutually agreed upon by the PMs.

### Article 5. Notices.

### Article 6. Miscellaneous