



RIPDES SMALL MS4 ANNUAL REPORT GENERAL INFORMATION PAGE

RIPDES PERMIT #RIR040 _____

REPORTING PERIOD:

☒ YEAR 4
Jan 07-Dec 07

MAR 10 2008

OPERATOR OF MS4

Name: CITY OF WOONSOCKET			
Mailing Address: 169 MAIN STREET			
City: WOONSOCKET	State: RI	Zip: 02895	Phone: (401) 787-9205
Contact Person: ALAN BRODD	Title: CITY ENGINEER		
Legal status (circle one): PRI - Private PUB - Public BPP - Public/Private STA - State FED - Federal			
Other (please specify):			

OWNER OF MS4 (If different from OPERATOR)

Name:			
Mailing Address:			
City:	State:	Zip:	Phone: ()
Contact Person:	Title:		

CERTIFICATION

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

Print Name SUSAN D. MENARD

Print Title CITY MAYOR

Signature

Susan D. Menard

Date

3/17/08



**MINIMUM CONTROL MEASURE #1:
PUBLIC EDUCATION AND OUTREACH (Part IV.B.1 General Permit)**

SECTION I. MEASURABLE GOALS: (For shaded areas, please provide descriptions of ongoing activity in SECTION II.)

A. REQUIRED MEASURABLE GOALS:

Permit ID#	BMP ID	List Measurable Goal	Date(s) Completed	If goal was NOT met, briefly list reasons, current status, plans and new date for meeting the goal
IV.B.1.b.1	1	Implementation of activities undertaken to educate the community about storm water issues. (ONGOING)		PLEASE COMPLETE UNDER SECTION II.
IV.B.1.b.2	1	Implementation of public education activities to involve the community in the storm water program (indicate if activities were undertaken by permittee or other entities) (ONGOING)		PLEASE COMPLETE UNDER SECTION II.

B. ADDITIONAL MEASURABLE GOALS:

	1	Commitment to the Storm Water Education and Outreach Program through URI NEMO (OPTIONAL - DUE MARCH 2007)		
	1	Attendance at the following trainings: <input checked="" type="checkbox"/> 4/24/2007 Making an Impact with LID <input type="checkbox"/> 5/10/2007 TR-55 for Plan Reviewers <input type="checkbox"/> 12/12/2007 DPW Employee Training		List name(s) of attendee(s) at each training: Alan Brodd, City Engineer.

SECTION II. OVERALL EVALUATION:

PUBLIC EDUCATION AND OUTREACH cont'd

GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:

Include information relevant to the implementation of each measurable goal, such as activities, topics addressed, audiences and pollutants targeted. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for choosing the education activity to address the pollutant of concern.

(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)

IV.B.1.b.1

The City plans to rely on the Storm Water Education and Outreach Program in cooperation with URI to meet the measurable goals in future years. The City developed a website (http://www.ci.woonsocket.ri.us/stm_wtr.htm). The website describes the general permit requirements, provides the complaint form and electronic submission of complaints, access to the SWMPP and annual reports, links to organizations with storm water quality information, a description of storm water related requirements for building permits, and recommendations for low impact development. The school department continues to incorporate environmental education into the curriculum through the pilot rain garden at Woonsocket High School, summer study courses, environmental science classes, and the clean water club. Students developed demonstration projects to showcase at the Clean Water Festival. This measure is appropriate and effective. The School Department and Engineering Department are responsible for this measure.

IV.B.1.b.2

The City plans to rely on the Storm Water Education and Outreach in cooperation with URI to meet measurable goals in future years. The City's website includes links to organizations that provide educational materials and public involvement opportunities. The City works with these groups to provide assistance with the events including student cleanups (Clean Water Festival) and the Earth Day Cleanup. The Clean Water Festival involved students from the City who participated in clean up activities and demonstrated projects that they had prepared for the festival. The City has also developed a letter and brochure to distribute to businesses which describes proper maintenance of structural BMPs. This measure has been appropriate and effective. The School Department and Engineering Department are responsible for this measure.

Additional Measurable Goals and Activities



MINIMUM CONTROL MEASURE #2:
PUBLIC INVOLVEMENT/PARTICIPATION (Part IV.B.2 General Permit)

SECTION I. MEASURABLE GOALS: (For shaded areas, please provide descriptions of ongoing activity in SECTION II.)

A. REQUIRED MEASURABLE GOALS:

Permit ID#	BMP ID	List Measurable Goal	Date(s) Completed	If goal was NOT met, briefly list reasons, current status, plans and new date for meeting the goal
IV.B.2.b.2.ii	1 and 2	Implementation of public involvement activities and description of groups engaged (ONGOING)		PLEASE COMPLETE UNDER SECTION II.
IV.B.2.b.2.iii	3	Public notice of the draft annual report and provide the opportunity for public comment (ANNUALLY)	March 8, 2008	

B. ADDITIONAL MEASURABLE GOALS:

SECTION II. OVERALL EVALUATION:

GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:

Include information relevant to the implementation of each measurable goal, such as types of activities and audiences/groups engaged. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)

IV.B.2.b.2.ii

The City has several groups that are active in promoting clean water including the schools and The Blackstone River Coalition. The City plans to continue the storm drain stenciling program using DPW employees on light duty on an as-available basis. This measure has been appropriate and effective. The School Department and Engineering Department are responsible for this measure.

IV.B.2.b.2.iii

The City public noticed the annual report in the Woonsocket Call for March 13, 2008. There were no requests to review the annual report. This measure is appropriate and effective in meeting the requirement of the general permit; however, it has not promoted public involvement. The Engineering Department is responsible for this measure.

Additional Measurable Goals and Activities

SECTION III. Public Notice Information (IV.G.2.h and IV.G.2.i) *Note: attach copy of public notice

Date of Public Notice: March 13, 2008 (estimated)	How public was notified: Woonsocket Call
Was public meeting held? YES NO * If requested	
Date:	Where:
Summary of public comments received:	
If comments that generate action are received, the annual report will be revised and resubmitted.	
Planned responses or changes to the program: None	



MINIMUM CONTROL MEASURE #3: **ILLICIT DISCHARGE DETECTION AND ELIMINATION (Part IV.B.3 General Permit)**

SECTION I. MEASURABLE GOALS: (For shaded areas, please provide descriptions of ongoing activity in SECTION II.)

A. REQUIRED MEASURABLE GOALS:					
Permit ID#	BMP ID	List Measurable Goal	Date(s) Completed	Date Submitted to RIDEM	Name of document used to submit info to RIDEM and where it can be found in that document. If goal was NOT met, briefly list reasons, current status, plans and new date for meeting the goal.
IV.B.3.b.1	1	Development of an outfall map showing the location of all outfalls and names of receiving waters (DUE YEAR 3)	Year 3	Year 4	The outfall map was completed in Year 3, but was not submitted to DEM. The map is attached to this report.
IV.B.3.b.2	2	Tagging outfall pipes if GIS maps are not being developed (OPTIONAL ACTIVITY)			PLEASE COMPLETE UNDER SECTION II.
IV.B.3.b.3		Recording of additional elements, such as location of catch basins, manholes and pipes, on an on-going basis. (ONGOING)			PLEASE COMPLETE UNDER SECTION II.
IV.B.3.b.4	3	Adoption of Ordinance to prohibit and enforce illicit discharges into the MS4 (DUE YEAR 2)	Year 2	Year 2	The ordinance is attached to the Year 2 annual report.
		Signed Letter from City or Town Solicitor (DUE YEAR 2)	Year 2	Year 2	The signed letter from the Town Solicitor is attached to the Year 2 annual report.
IV.B.3.b.5.ii, iii, iv, & v	5,6,7, & 8	Implement procedures for the receipt and consideration of complaints, tracing the source of an illicit discharge, removing the source of the illicit discharge, and evaluating and assessing the program (ONGOING)			PLEASE COMPLETE UNDER SECTION II.
IV.B.3.b.5.vi	9	Inspection of all catch basins and manholes for illicit connections and non-storm water discharges (DUE YEAR 4)	Year 4	Year 4	A sample inspection form is attached.
IV.B.3.b.5.vii	10	Completion of two dry weather surveys, one between Jan 1 st and April 30 th and one between July 1 st and Oct 31 st . (Sanitary sewers- bacteria sampling is only required once between July 1 st and Oct 31 st) (DUE YEAR 4)	Year 4		IDDE reports have been completed and are available at the City.
IV.B.3.b.7	12	Implementation of coordinating activities with physically interconnected MS4s, including state and federal owned or operated MS4s, when illicit discharges are detected or reported (ONGOING)			PLEASE COMPLETE UNDER SECTION II.
IV.B.3.b.8		Implementation of referral to RIDEM of non-storm water discharges not authorized by this permit or a pre-existing permit (ONGOING)			PLEASE COMPLETE UNDER SECTION II.

ILLCIT DISCHARGE DETECTION AND ELIMINATION cont'd

IV.B.3.b.9	13	Education of public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste as well as allowable non-storm water discharges found to be significant contributors of pollutants to the MS4. (ONGOING)			PLEASE COMPLETE UNDER SECTION II.
B. ADDITIONAL MEASURABLE GOALS:					

SECTION II. OVERALL EVALUATION:

GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS	
<p>Include information relevant to the implementation of each measurable goal, such as activities implemented (when reporting tracked and eliminated illicit discharges, please explain the rationale for targeting the illicit discharge) to comply with on-going requirements, and illicit discharge public education activities, audiences and pollutants targeted. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.</p> <p>(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)</p>	
IV.B.3.b.1	<p>The outfall map was developed during the dry weather survey conducted in Year 3. Outfalls were GPS located for incorporation into the GIS database by Fuss and O'Neill. The outfall investigation identified 224 outfalls, which is 38 fewer outfalls than were originally identified for investigation. The outfall map is attached to this report. This measure was appropriate and effective. The Engineering Department and hired consultant were responsible for this measure.</p>
IV.B.3.b.2	<p>Not applicable.</p>
IV.B.3.b.3	<p>The entire storm water system has been mapped on paper, and the City is in the process of transcribing the information to electronic formats including GIS and AutoCADD. This measure has been appropriate and effective in developing the City's mapping. The Engineering Department and hired consultant are responsible for this measure.</p>

ILLICIT DISCHARGE DETECTION AND ELIMINATION cont'd

IV.B.3.b.4

The ordinance was adopted in Year 2; a copy of the ordinance is attached to the Year 2 annual report. The ordinance is appropriate to provide a means to remove illicit discharges. Adoption of the ordinance is effective in meeting this required goal.

IV.B.3.b.5.ii, iii, iv, & v

These measurable goals were completed during the SWMPP development process prior to Year 1. Details regarding this are included in the executive summary of the SWMPP. In addition to that which is listed in the SWMPP, the Engineering Division has a 24-hr pager number for all complaints and a complaint form. Residents are informed of this number when they reach the Department's voice mail and on the City's web page. The City Engineer and Construction Manager are responsible for the complaints. The City purchased a camera to assist with investigation of pipeline problems in Year 2. The procedure for removal of illicit discharges involves requiring the responsible party to cease discharging and address the situation within seven to ten days (depending on the type of discharge). If the illicit discharges are not addressed by the responsible party, the City has the authority to perform repairs and charge the responsible party for the cost and fines that they may have incurred. The removal of the discharge is assessed on a case-by-case basis, to be determined by the DPW. The DPW is responsible for receiving and addressing complaints. These measurable goals are all appropriate and effective with the exception of the procedures for tracing illicit discharges; these written procedures have not been as effective as developing procedures in the field for the specific situation.

IV.B.3.b.5.vi

The procedure portion of this measurable goal was completed in the SWMPP development process. Details regarding this are included in the executive summary of the SWMPP. The City inspected and cleaned approximately 60% of the City's catch basins were inspected and cleaned in Year 4. This completed the goal of cleaning all of the City's catch basins by Year 4. The Storm Water Committee, DPW, and hired consultant were responsible for procedure development and the DPW will be responsible for inspections and recordkeeping.

IV.B.3.b.5.vii

Two dry-weather surveys were completed by Year 4. The surveys were completed by the City's consultant, Fuss and O'Neill. A report was prepared that included the results of both dry weather surveys. A copy of the report can be seen at the City. This measure has been appropriate and effective. The Engineering Department and hired consultant were responsible for this measure.

IV.B.3.b.7

The City has not had to coordinate with interconnected MS4s, but has coordination procedures in place. The City has working relationships with neighboring MS4s; therefore, the procedures are appropriate and expected to be effective; however, the effectiveness has yet to be determined. The Engineering Department is responsible for this measure.

IV.B.3.b.8

Procedures for referral were developed during the SWMPP prior to Year 1, with the process being put in place during Year 3. During Year 4 there were no unauthorized non-storm-water discharges that were deemed appropriate for referral to RIDEM. Since no unauthorized non-storm-water discharges have been deemed appropriate for referral to RIDEM, the appropriateness and effectiveness of this measure is yet to be determined. The Engineering Department is responsible for completion of this goal.

IV.B.3.b.9

The City provided training to municipal employees for several storm water related topics including proper BMP maintenance, BMP design, BMP selection/low impact development, flood impact minimization, and road drainage. Copies of the training that municipal employees attended were attached to the Year 3 annual report. Training has been appropriate and effective for municipal staff. The DPW is responsible for this measure.

Additional Measurable Goals and Activities

ILLCIT DISCHARGE DETECTION AND ELIMINATION cont'd

SECTION III.A Other Reporting Requirements - Illicit Discharge Inspections to Date (Part IV.G.2.m)

Total Illicit Discharges Identified: None	Total Illicit Discharges Tracked: None
Total Illicit Discharges Eliminated: None	# of Complaints Received: None
# of Violations Issued: None	# of Unresolved Violations Referred to RIDEM: None
Summary of Enforcement Actions: 1 suspected illicit discharge was found during IDDE inspection. The discharge was traced and found not to be from an illicit source.	
Extent to which the MS4 system has been mapped: All of the MS4 system has been mapped on paper. The City is currently in the process of transcribing the system information into electronic formats including GIS and AutoCADD.	

SECTION III.B Interconnections (Part IV.G.2.k and IV.G.2.l)

Interconnection:	Date Found:	Location:	Connectee:	Originating Source:	Planned and Coordinated Efforts and Activities with Connectee:



MINIMUM CONTROL MEASURE #4:
CONSTRUCTION SITE STORM WATER RUNOFF CONTROL (Part IV.B.4 General Permit)

SECTION I. MEASURABLE GOALS: (For shaded areas, please provide descriptions of ongoing activity in SECTION II.)

A. REQUIRED MEASURABLE GOALS:

Permit ID#	BMP ID	List Measurable Goal	Date(s) Completed	Date Submitted to RIDEM	Name of document used to submit info to RIDEM and where it can be found in that document. If goal was NOT met, briefly list reasons, current status, plans and new date for meeting the goal.
IV.B.4.b.1	1	Adoption of Ordinance to require erosion and sediment control, control of other wastes, and sanctions to ensure compliance (DUE YEAR 2)	September 1993 and Year 2	Year 2	The ordinances are included in the Year 2 annual report as attachments.
		Signed Letter from City or Town Solicitor (DUE YEAR 2)	Year 2	Year 2	The signed letter from the City Solicitor is included in the Year 2 annual report as an attachment.
IV.B.4.b.2	2 and 3	Review of 100% of plans and SWPPPs, issuance and tracking of permits for construction projects ≥ 1 acre not reviewed by other State Programs (ONGOING)			PLEASE COMPLETE UNDER SECTION II.
IV.B.4.b.4					
IV.B.4.b.6	4	Implementation of procedures to receive and consider information from the public (if relevant.) (ONGOING)			PLEASE COMPLETE UNDER SECTION II.
IV.B.4.b.7	5	Inspection of 100% of all construction projects within the regulated area that discharge or have the potential to discharge to the MS4. Enforcement of erosion and sediment control measures and other measures for control of waste at construction sites. (ONGOING)			PLEASE COMPLETE UNDER SECTION II.
IV.B.4.b.8	6	Implementation of procedures for referral to the State of non-compliant construction site operators (ONGOING)			PLEASE COMPLETE UNDER SECTION II.

B. ADDITIONAL MEASURABLE GOALS:

SECTION II. OVERALL EVALUATION:**GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:**

Include information relevant to the implementation of each measurable goal, such as activities implemented to support the review, issuance and tracking of permits, inspections and receipt of complaints. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)

IV.B.4.b.1

The City adopted a soil erosion and sediment control ordinance (using the model contained in the RI Soil Erosion and Sediment Control Handbook) on September 20, 1993 (Woonsocket Code of Ordinances Chapter 7 ½ - Erosion and Sediment Control provided in Year 1 Annual Report). The control of construction wastes is included in the illicit discharge ordinance that was adopted in Year 2. The Storm Water Committee, Building Official, and DPW - Engineering Division were responsible for this goal.

IV.B.4.b.2

IV.B.4.b.4
The City reviews all plans submitted regardless of size. Letters stating deficiencies, when present, are given to the applicant and permits are not issued until the deficiencies are corrected. 61 building permits for sites over one acre were issued in Year 4. The City's review process has been appropriate and effective. The Engineering Department is responsible for reviews and issuing permits. The City tracks reviews and permits using Microsoft Outlook. A summarized list of reviews is attached.

IV.B.4.b.6

The procedures for this measure were established during SWMPP development prior to Year 1. Public comments are received by the City Engineer, or another appropriate department at the City. None of the comments have been referred to DEM thus far. This measure has been appropriate and effective in addressing public concerns about soil erosion and sedimentation control involving new development. The Town Engineer and Building Department are responsible for this measure.

IV.B.4.b.7

The City inspects all sites during several stages of construction. The City is in the process of updating the inspection tracking mechanism. Enforcement of the Soil Erosion and Sediment Control Ordinance is through the Building Inspection Office, but all construction sites are inspected by both the Building Inspection Office and the Engineering Division. The Building Inspection and Engineering Division personnel are all aware of the City's SESC ordinance and cooperate to see that it is enforced. The number of inspections at an individual site varies depending on the magnitude of the job site. The Engineering Division inspected approximately 1,005 sites (including small items such as sidewalk blockages) in Year 4, with each site being inspected at least once. Currently, DPW-Engineering staff is on site whenever any work is being done pertaining to the storm water utilities and/or in-ground storm water structures (e.g., catch basins, Vortechs units). Any erosion issues are addressed immediately through informal notification. Formal enforcement actions are taken if necessary. There were no formal enforcement measures taken in Year 4. The Storm Water Committee, Engineering Division, and Building Inspection Office are responsible for this goal.

CONSTRUCTION SITE STORM WATER RUNOFF CONTROL cont'd

IV.B.4.b.8

The procedures for this measure were established during SWMPP development prior to Year 1. Any site problems found by Engineering Division staff are directed to the City Engineer and/or the Construction Manager for enforcement. The Engineering Division can close down and retract issued permits for any construction site found to be non-compliant. The Engineering Division has a list of State personnel that can be contacted for assistance with any non-compliant construction site operators. The Engineering Division is responsible for this goal.

Additional Measurable Goals and Activities

SECTION III. A Plan and SWPPP Reviews during Year 4 (2007)

of Construction Reviews completed: 61 over one acre, 1,005 total

Summary of Reviews and Findings: Comments were made by the City Engineer and addressed by the site designer. All of the sites that submitted plans in Year 4 were permitted and have begun work.

SECTION III.B Erosion and Sediment Control Inspections during Year 4 (2007) (Part IV.G.2.n)

of Site Inspections: 61+

of Complaints Received: None

of Violations Issued: None

of Unresolved Violations Referred to RIDEM: None

Summary of Enforcement Actions: No formal enforcement actions were necessary during Year 4.



MINIMUM CONTROL MEASURE #5:
POST CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT
(Part IV.B.5 General Permit)

SECTION I. MEASURABLE GOALS: (For shaded areas, please provide descriptions of ongoing activity in SECTION II.)

A. REQUIRED MEASURABLE GOALS:

Permit ID#	BMP ID	List Measurable Goal	Date(s) Completed	Date Submitted to RIDEM	Name of document used to submit info to RIDEM and where it can be found in that document. If goal was NOT met, briefly list reasons, current status, plans and new date for meeting the goal.
IV.B.5.b.4	3	Review of 100% of plans for development projects one or more acres not reviewed by other State Programs (ONGOING)			PLEASE COMPLETE UNDER SECTION II.
IV.B.5.b.5	4	Coordination with existing State programs requiring post-construction storm water management (ONGOING)			PLEASE COMPLETE UNDER SECTION II.
IV.B.5.b.6	5	Implementation of referral to the State of new discharges of storm water associated with industrial activity (ONGOING)			PLEASE COMPLETE UNDER SECTION II.
IV.B.5.b.9	6	Adoption of Ordinance to address post-construction runoff from new development and redevelopment (DUE YEAR 2)	Year 2	Year 2	The ordinance is included in the Year 2 annual report as an attachment.
		Signed Letter from City or Town Solicitor (DUE YEAR 2)	Year 2	Year 2	The signed letter from the City Solicitor is included in the Year 2 annual report as an attachment.
IV.B.5.b.10	7	Post-construction inspections of BMPs and inspect 100% of all development ≥ 1 acre within the regulated area that discharges to the MS4 (ONGOING)			PLEASE COMPLETE UNDER SECTION II.
IV.B.5.b.11		Implementation of how long-term O&M of selected BMPs for new and re-development will be identified, tracked and enforced (ONGOING)			PLEASE COMPLETE UNDER SECTION II.
IV.B.5.b.12	8	Identification of existing structural BMPs (ONGOING)			PLEASE COMPLETE UNDER SECTION II.
B. ADDITIONAL MEASURABLE GOALS:					

POST CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT cont'd

SECTION II. OVERALL EVALUATION:

GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:

Include information relevant to the implementation of each measurable goal, such as activities implemented to support the review, issuance and tracking of permits, inspections and receipt of complaints, etc. Please indicate if any projects have incorporated the use of Low Impact Development techniques. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

IV.B.5.b.4

Currently, the Engineering Division has developed a system to perform thorough site plan reviews on all projects containing structural storm-water BMPs. All site plans that include storm water provisions are reviewed by the Engineering Division. Each project's plan(s) and status are recorded in Microsoft Outlook for quick reference by any City official. Reviews have been appropriate and effective. The DPW Engineering Division and Building Department are responsible for reviews.

IV.B.5.b.5

The City requires that applicants receive state approvals before applications will be accepted and approved. Notwithstanding, the City does not plan to relying on state approvals and will continue to review plans for storm water management. It is appropriate to determine how plan review will account for state program review. Reviewing plans and referring applicants to the state when required has been effective. The Engineering Division and the Building Official are responsible for referring applicants for state reviews when applicable.

IV.B.5.b.6

The procedures for this measure were established during SWMPP development prior to Year 1. The Town Engineer requires new applicants to obtain state permits prior to approving new industrial discharges. Details regarding this are included in the executive summary of the SWMPP. It is appropriate and effective to refer new industrial discharges to the state. No new industrial discharges were reported in Year 4, so the effectiveness is yet to be determined. The Storm Water Committee, DPW, and City Council are responsible for this goal.

IV.B.5.b.9

An ordinance was adopted Year 2 (Post Construction – Storm Water Control Ordinance), which is attached to the Year 2 annual report. The Engineering Division requires and reviews a maintenance plan for all storm water structures as part of the plan review process. It is appropriate to adopt a regulatory mechanism for post-construction runoff. The mechanism is effective in requiring applicants to address runoff. The Storm Water Committee and City Council are responsible for this goal.

IV.B.5.b.10

The City maintains a list of structural BMPs that are in place throughout the City. Owners of properties with detention ponds are provided with letter and an informational brochure when deficiencies are noticed. The City currently is responsible for eight detention ponds that they inspect and maintain periodically. The City has established a system for taking complaints and addresses issues with property owners as needed. It is appropriate to inspect BMPs once constructed. The Building Department and DPW-Engineering Division are responsible for implementing the inspection procedures and including in the City's regulations and/or requirements.

IV.B.5.b.11

Procedures for implementation of long-term O&M for selected BMPs were established during SWMPP development prior to Year 1. O&M procedure regulations are included in the City Ordinance for post construction storm water management. The City Ordinance requires that BMPs be deeded to the corresponding homeowners association with language stipulating that they properly operate and maintain the BMP. Identifying, tracking, and enforcing long-term O&M procedures for selected BMPs are appropriate and effective measures. The City Council was responsible for adopting this regulation, with the DPW responsible for enforcement.

IV.B.5.b.12

The existing BMPs have been identified, and new BMPs are added as the City issues occupancy certificates. This measure has been appropriate and effective. The Building Department and Engineering Division are responsible for this measure.

POST CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT cont'd

Additional Measurable Goals and Activities

SECTION III.A. Plan and SWPPP Reviews during Year 4 (2007)

of Post-Construction Reviews completed: 2

Summary of Reviews and Finding: Sites were reviewed and approved for proper installation of BMPs.

SECTION III.B. Post Construction Inspections during Year 4 (2007): Proper Installation of Structural BMPs (Part IV.G.2.o)

of Site Inspections: 2

of Complaints Received: None

of Violations Issued: None

of Unresolved Violations Referred to RIDEM: None

Summary of Enforcement Actions: Sites were in compliance therefore no enforcement actions were taken.

SECTION III.C. Post Construction Inspections during Year 4 (2007): Proper Operation and Maintenance of Structural BMPs (Part IV.G.2.p)

of Site Inspections: 16

of Complaints Received: None

of Violations Issued: None

of Unresolved Violations Referred to RIDEM: None

Summary of Enforcement Actions: No enforcement actions were taken.



MINIMUM CONTROL MEASURE #6:

POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS (Part IV.B.6 General Permit)

SECTION I. MEASURABLE GOALS: (For shaded areas, please provide descriptions of ongoing activity in SECTION II.)

A. REQUIRED MEASURABLE GOALS:

Permit ID#	BMP ID	List Measurable Goal	Date(s) Completed	If goal was NOT met, briefly list reasons, current status, plans and new date for meeting the goal
IV.B.6.b.1.i	1	Identification, location and description of all municipally owned structural BMPs (ONGOING)		PLEASE COMPLETE UNDER SECTION II.
IV.B.6.b.1.ii	2	Inspection and cleaning BMPs (ONGOING)		PLEASE COMPLETE UNDER SECTION II.
IV.B.6.b.1.iii	3	Annual catch basin inspection and cleaning program (ANNUALLY)	Year 4	
IV.B.6.b.1.iv	4	Minimize erosion of road side shoulders and ditches by requiring stabilization of those areas (ONGOING)		PLEASE COMPLETE UNDER SECTION II.
IV.B.6.b.1.v	5	Identify and report annually the known discharges causing scouring at outfall pipes or outfalls with excessive sedimentation and a description of all corrective actions (ONGOING / ANNUALLY)		PLEASE COMPLETE UNDER SECTION II.
IV.B.6.b.1.vi	6	Annual road sweeping of all streets and roads within the regulated area annually (ANNUALLY)	Year 1 Year 2 Year 3 Year 4	
IV.B.6.b.1.vii	7	Maintenance activities, schedules and long-term inspection for controls to reduce floatables (ONGOING)		PLEASE COMPLETE UNDER SECTION II.
IV.B.6.b.1.viii	8	Proper disposal of removed waste from the MS4 (ONGOING)		PLEASE COMPLETE UNDER SECTION II.
IV.B.6.b.4	10	Municipally owned non-Industrial facilities must develop and implement BMPs for O&M and Good Housekeeping, as well as corrective actions designed to eliminate and/or minimize the discharge of pollutants to waters of the State (DUE YEAR 4)	Year 4	

POST CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT cont'd

IV.B.6.b.5		Reporting and tracking of inspections, comprehensive site evaluations, corrective actions implemented and scheduled improvements to minimize the discharge of pollutants at industrial facilities owned and operated by the municipality (ONGOING)		PLEASE COMPLETE UNDER SECTION II.
IV.B.6.b.6	13	Implementation of employee training programs that will be used to prevent and reduce storm water pollution (ONGOING)		PLEASE COMPLETE UNDER SECTION II.
IV.B.6.b.7	11	Implementation of procedures for assessing potential water quality impacts to existing and new flow management projects (ONGOING)		PLEASE COMPLETE UNDER SECTION II.
B. ADDITIONAL MEASURABLE GOALS:				

SECTION II. OVERALL EVALUATION:

GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:

Include information relevant to the implementation of each measurable goal, such as activities and practices used to address on-going requirements. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)

IV.B.6.b.1.i

The DPW has identified structural BMPs and adds new BMPs when the City takes ownership. This measure is appropriate and effective. The Storm Water Committee and DPW are responsible for the completion and implementation of this goal.

IV.B.6.b.1.ii

The City inspects and maintains its BMPs on an as needed basis. Inspection and maintenance of the City's BMPs is appropriate and effective. The Engineering Division is responsible for inspections and maintenance.

IV.B.6.b.1.iii

The City has developed an annual catch basin cleaning program, a summary of which was attached to the Year 3 annual report. The program consists of cleaning the catch basins using a grid system to track the catch basins that have been cleaned. Certain portions of the City, specifically the low lying areas of the developed portions of the City are cleaned more regularly. In Year 4, the City cleaned approximately 60% of their catch basins. A list of catch basins that were found to be deficient during inspections is attached. The Storm Water Committee and DPW were responsible for the completion of this goal.

POST CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT cont'd

IV.B.6.b.1.iv

This measurable goal was completed in the SWMPP development process. Details regarding this are included in the executive summary of the SWMPP. In the City, most of the roadways are curbed and have sidewalks. Any roadway with a shoulder or ditch in need of repair is immediately addressed. It is usually a property owner or municipal employee that notifies the DPW of a problem and the Highway Division addresses it. Inspections during road work by municipal employees are an appropriate way of observing any erosion of road side shoulders and ditches. Erosive conditions that are found are treated with rip-rap or vegetative stabilization. Erosive conditions are currently corrected when discovered, which is effective in preventing further erosion. The Storm Water Committee and DPW are responsible for the completion of this goal. Fewer than 10 roadside erosion situations were repaired in Year 4.

IV.B.6.b.1.v

The City implemented a regular outfall inspection program after the outfalls were mapped in Year 3. The mapping includes an initial inspection of the outfalls to create a priority list for future years. The Storm Water Committee and DPW are responsible for the completion of this goal.

IV.B.6.b.1.vi

The City committed to the measurable goal of sweeping all municipal streets in the submitted SWMPP. The town owns three street sweeper trucks, and presently, all City streets are cleaned at least once a year based on the grid system. In Year 4, the City swept the all of their streets at least once. The DPW is responsible for the completion of this goal.

IV.B.6.b.1.vii

The City currently requires that all new and redevelopment projects include installation of catch basin hoods. The City evaluates the need for retrofits as funds become available and targets priority areas. Catch basin inlet grates are cleaned when catch basins are inspected or when municipal employees report a need for cleaning. The annual catch basin cleaning program includes removal of floatables. The need for additional cleaning will be documented on inspection forms. Floatables are also collected by Woonsocket's Routine Litter Patrol setup by the Highway Department during daily litter pickup activities. Trash cans are provided at frequented pedestrian areas including Main Street and the RIPTA bus stops. These trash cans are emptied daily Monday through Friday. Catch basin grates are inspected for debris after heavy wind and/or rain by Highway personnel. A tracking system is being developed for cleaning and repairs. The DPW is responsible for the completion of this goal.

IV.B.6.b.1.viii

This measurable goal was completed in the SWMPP development process. Details regarding this are included in the executive summary of the SWMPP. The City met with the Solid Waste Recycling Advisory Committee that was developed in Year 2. The City hired a consultant to increase city-wide recycling. The DPW and hired consultant are responsible for the completion of this goal. The DPW and Fire Department are responsible for continued recordkeeping.

IV.B.6.b.4

An O&M and good housekeeping program was developed during the SWMPP development process. Details regarding this are included in Section 9.0 of the SWMPP. The City assessed the non-industrial facilities with the potential to introduce pollutants to their storm water discharges during the SWMPP development process. Many possible BMPs were identified. These BMPs will be implemented throughout the term of this permit as funds and/or labor become available. This assessment during the SWMPP process has given the City a good starting point for the implementation of the O&M and pollution prevention program at non-industrial facilities under the City's control. The Storm Water Committee, DPW, and hired consultant were responsible for the completion of this goal, and the DPW is responsible for the implementation of the BMPs as funds become available.

IV.B.6.b.5

The general permit requires that municipally owned facilities with storm water discharges associated with industrial activity, implement a site specific storm water pollution prevention plan (SWPPP). There is one municipally owned industrial facilities with a site specific SWPPP in Woonsocket, which is the Highway Garage. Regular inspections of this facility are performed by members of the Highway Department. This is an appropriate and effective measure for ensuring that municipally owned industrial facilities are not polluting the City's storm water system. The DPW is responsible for this measurable goal.

POST CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT cont'd

IV.B.6.b.6.

The City plans to rely on the Storm Water Education and Outreach program for training needs in future years. The current program was evaluated as part of the SWMPP development process. Details regarding this are included in Section 9.0 of the SWMPP and the Response to Comments. The City is teaming with Fuss & O'Neill, Inc. to provide training to equipment operators and mechanics that includes storm water awareness. Additionally, the City is a member of the Rhode Island Public Works Association, which offers free training to DPW employees on various issues. It is appropriate to train municipal employees. Training that is being provided is chosen because it is appropriate for the application, which has been effective. The Storm Water Committee and DPW are responsible for this goal.

IV.B.6.b.7

Currently, flow management is addressed during the site plan review process as part of the drainage review for proposed projects. The City evaluates the incorporation of flow management projects during the planning and design stages of municipal projects. It is appropriate and effective to assess flow management projects during planning stages of municipal projects. The Storm Water Committee and DPW are responsible for the completion of this goal.

Additional Measurable Goals and Activities

SECTION III.A Structural BMPs (Part IV.B.6.b.1.i)

BMP ID:	Location:	Name of BMP Owner/Operator:	Description of BMP:
See list attached			

SECTION III.B Discharges Causing Scouring or Excessive Sedimentation (Part IV.B.6.b.1.v)

Outfall ID:	Location:	Description of Problem:	Description of Remediation Taken, include dates:	Receiving Water Body Name/Description:

SECTION III.C Note any planned municipal construction projects/opportunities to incorporate water quality BMPs, low impact development, or activities to promote infiltration and recharge (Part IV.G.2.j).

None tracked

SECTION III.D Please include a summary of results of any other information that has been collected and analyzed. This includes any type of data (Part IV.G.2.e).

None tracked, infrastructure improvements are made as funds become available.



TOTAL MAXIMUM DAILY LOAD (TMDL) or other Water Quality Determination REQUIREMENTS

SECTION I. If you have been notified that discharges from your MS4 require non-structural or structural storm water controls based on an approved TMDL or other water quality determination, please provide an assessment of the progress towards meeting the requirements for the control of storm water identified in the approved TMDL (Part IV.G.2.d). Please indicate rationale for the activities chosen to address the pollutant of concern.

The City does not have approved TMDLs storm water.

CITY OF WOONSOCKET

DEPARTMENT OF PUBLIC WORKS

ENGINEERING DIVISION

DATE OF INSPECTION

<u>LOCATION</u>	<u>DESCRIPTION</u>	<u>OWNER</u>	<u>MAP</u>	<u>LOT</u>
PARK EAST DR / CVS DRIVE		CITY OF WOONSOCKET	F7	56-15
WALMART		WALMART STORES 702 SOUTHWEST 8TH STREET BENTONVILLE AR 72716	B7	52-6
LOWES		114 DIAMOND HILL RD II LLC 1 PROVIDENCE WASHINGTON PLACE 9TH FLOOR PROVIDENCE RI 02903	B7	52-20
BROOKHEAVEN POND		DONNA JEAN 1305 BROOKHAVEN LANE WOONSOCKET RI 02895	C8	58-31
BROOKHEAVEN POND		DONNA JEAN 1305 BROOKHAVEN LANE WOONSOCKET RI 02895	C8	58-31
TARA LANE/ LEDGEWOOD DR.		CITY OF WOONSOCKET	C7	58-37
EAST WOONSOCKET		CITY OF WOONSOCKET	B7	57-88
HOLLY SPRINGS		WILFRED DESROSIERS 306 HOLLY LANE WOONSOCKET RI 02895	D7	55-203
OREGON AVE		CITY OF WOONSOCKET	D7	59-2
DIAMONDHILL RD		CITY OF WOONSOCKET	B7	53-5
ROBINSON STREET POTHIER SCHOOL		CITY OF WOONSOCKET	C5	36-136
PARK DRIVE & HARTFORD AVE		OAKLAND GROVE ASSOCIATES 560 CUMBERLAND HILL RD WOONSOCKET RI 02895	E6	41-29
1026 PARK EAST DRIVE		UNICOM INCORPORATED 1026 PARK EAST DRIVE WOONSOCKET, RI 02895 (401) 765-3000	D7	59-13
300 PARK EAST DRIVE		TECHNIC, INC 300 PARK EAST DRIVE WOONSOCKET, RI 02895	E6	50-51
500 PARK EAST DRIVE		RI INDUSTRIAL FACILITIES CORP 500 PARK EAST DRIVE WOONSOCKET, RI	E7	50-211
1 CVS DRIVE		CVS 1 CVS DRIVE WOONSOCKET, RI	F7	51-2
811 PARK EAST DRIVE		RETAIL GRAPHICS 811 PARK EAST DRIVE WOONSOCKET, RI 02895	E7	56-6

Appendix E: Maintenance Inspection Checklist Infiltration Basins and Trenches

Project/Location: 1 CVS DRIVE"As Built" Plans Available? YESDate/Time: 2/13/07

Days Since Previous Rainfall and Rainfall Amount: _____

Inspector: LARRY ENRIGHT

Maintenance Item	Satisfactory	Unsatisfactory	Comments
1. Debris Cleanout			
• Basin bottom or trench surface clear of debris			<i>NEEDS SOME CLEANING</i>
• Inlet/Inflow pipes clear of debris	<i>OK</i>		
• Overflow spillway clear of debris	<i>OK</i>		
• Outlet clear of debris	<i>OK</i>		
2. Sediment Traps or Forebays <i>N/A</i>			
• Sedimentation noted			
• Greater than 50% of storage volume remaining			
3. Vegetation (Basins)			
• Mowing performed as necessary			<i>NEEDS SOME CLEANING</i>
• No evidence of erosion	<i>OK</i>		
4. Dewatering			
• Basin/Trench dewatered between storms	<i>OK</i>		
• Drawdown time does not exceed 36 to 48 hours	<i>OK</i>		
5. Sediment Accumulation <i>N/A</i>			
• Approximate depth of accumulated sediment			
6. Inlets			
• Good condition	<i>OK</i>		
• No evidence of erosion	<i>OK</i>		
7. Outlet/Overflow Spillway <i>N/A</i>			
• Good condition, no need for repair			
• No evidence of erosion			
8. Aggregate Repairs (Trench)			
• Surface of aggregate clean	<i>OK</i>		
• Top layer of stone does not need replacement			
• Trench does not need rehabilitation			
9. Structural Repairs			
• Embankment in good repair	<i>OK</i>		
• Site slopes are stable			
• No evidence of erosion			

Maintenance Item	Satisfactory	Unsatisfactory	Comments
10. Fences/Access Repairs			
• Fences in good condition	OK		
• No damage which would allow undesired entry			
• Access point in good condition			
• Locks and gate function properly			
Actions to Be Taken:			
To Be Completed By (Date):			

Source: Adapted from Watershed Management Institute, Inc. 1997. *Operation, Maintenance, and Management of Stormwater Management Systems*. In cooperation with U.S. Environmental Protection Agency, Office of Water. Washington, D.C.

Appendix E: Maintenance Inspection Checklist Infiltration Basins and Trenches

Project/Location: 1026 PARK EAST DRIVE

"As Built" Plans Available? YES

Date/Time: 2/13/07

Days Since Previous Rainfall and Rainfall Amount: _____

Inspector: LARRY ENRIGHT

Maintenance Item	Satisfactory	Unsatisfactory	Comments
1. Debris Cleanout			
• Basin bottom or trench surface clear of debris			OVER GROWN / DEBRIS
• Inlet/Inflow pipes clear of debris			BLOCKED / TREES
• Overflow spillway clear of debris			BRUSH / TREES
• Outlet clear of debris			BRUSH / TREES
2. Sediment Traps or Forebays			
• Sedimentation noted			SOME
• Greater than 50% of storage volume remaining			
3. Vegetation (Basins)			
• Mowing performed as necessary			NO
• No evidence of erosion	OK		
4. Dewatering			
• Basin/Trench dewatered between storms			EMPTY AT TIME OF INSP.
• Drawdown time does not exceed 36 to 48 hours			
5. Sediment Accumulation			
• Approximate depth of accumulated sediment			
6. Inlets			
• Good condition			TREE GROWING AT INLET
• No evidence of erosion			
7. Outlet/Overflow Spillway <u>NA</u>			
• Good condition, no need for repair			
• No evidence of erosion			
8. Aggregate Repairs (Trench)			
• Surface of aggregate clean	OK		
• Top layer of stone does not need replacement			
• Trench does not need rehabilitation			
9. Structural Repairs			
• Embankment in good repair	OK		
• Site slopes are stable			
• No evidence of erosion			

Maintenance Item	Satisfactory	Unsatisfactory	Comments
10. Fences/Access Repairs <i>NO FENCE</i>			
• Fences in good condition			
• No damage which would allow undesired entry			
• Access point in good condition			
• Locks and gate function properly			
Actions to Be Taken:			
To Be Completed By (Date):			

Source: Adapted from Watershed Management Institute, Inc. 1997. *Operation, Maintenance, and Management of Stormwater Management Systems*. In cooperation with U.S. Environmental Protection Agency, Office of Water. Washington, D.C.

Appendix E: Maintenance Inspection Checklist Infiltration Basins and Trenches

Project/Location: 300 PARK EAST DR.
 "As Built" Plans Available? YES
 Date/Time: 2/13/07 344 PM
 Days Since Previous Rainfall and Rainfall Amount: _____
 Inspector: LARRY KENRICK

Maintenance Item	Satisfactory	Unsatisfactory	Comments
1. Debris Cleanout			
• Basin bottom or trench surface clear of debris		NO	VERY LITTLE CLEANED
• Inlet/Inflow pipes clear of debris	OK		
• Overflow spillway clear of debris	OK		
• Outlet clear of debris	OK		
2. Sediment Traps or Forebays			
• Sedimentation noted	OK		
• Greater than 50% of storage volume remaining	OK		
3. Vegetation (Basins)			
• Mowing performed as necessary	OK		
• No evidence of erosion	OK		
4. Dewatering			
• Basin/Trench dewaterers between storms	OK		
• Drawdown time does not exceed 36 to 48 hours	OK		
5. Sediment Accumulation			
• Approximate depth of accumulated sediment	OK		
6. Inlets			
• Good condition	OK		
• No evidence of erosion	OK		
7. Outlet/Overflow Spillway			
• Good condition, no need for repair	OK		
• No evidence of erosion	OK		
8. Aggregate Repairs (Trench)			
• Surface of aggregate clean	OK		
• Top layer of stone does not need replacement	OK		
• Trench does not need rehabilitation	OK		
9. Structural Repairs			
• Embankment in good repair	OK		
• Site slopes are stable	OK		
• No evidence of erosion	OK		

Maintenance Item	Satisfactory	Unsatisfactory	Comments
10. Fences/Access Repairs			
• Fences in good condition	<i>No Fence</i>		
• No damage which would allow undesired entry			
• Access point in good condition			
• Locks and gate function properly			
Actions to Be Taken: To Be Completed By (Date):			

Source: Adapted from Watershed Management Institute, Inc. 1997. *Operation, Maintenance, and Management of Stormwater Management Systems*. In cooperation with U.S. Environmental Protection Agency, Office of Water. Washington, D.C.

Appendix E: Maintenance Inspection Checklist Infiltration Basins and Trenches

Project/Location: 500 PARK EAST DR

"As Built" Plans Available? YES

Date/Time: 2/13/07

Days Since Previous Rainfall and Rainfall Amount: _____

Inspector: LARRY ENRIGHT

Maintenance Item	Satisfactory	Unsatisfactory	Comments
1. Debris Cleanout			
• Basin bottom or trench surface clear of debris			<u>SOME DEBRIS / STUMPS GROWING</u>
• Inlet/Inflow pipes clear of debris	<u>OK</u>		
• Overflow spillway clear of debris	<u>OK</u>		
• Outlet clear of debris	<u>OK</u>		
2. Sediment Traps or Forebays			
• Sedimentation noted	<u>NONE</u>		
• Greater than 50% of storage volume remaining			
3. Vegetation (Basins)			
• Mowing performed as necessary			<u>NEEDS SOME CLEANING</u>
• No evidence of erosion	<u>OK</u>		
4. Dewatering			
• Basin/Trench dewaterers between storms	<u>OK</u>		
• Drawdown time does not exceed 36 to 48 hours			
5. Sediment Accumulation <u>N/A</u>			
• Approximate depth of accumulated sediment			
6. Inlets			
• Good condition	<u>OK</u>		
• No evidence of erosion	<u>OK</u>		
7. Outlet/Overflow Spillway <u>N/A</u>			
• Good condition, no need for repair			
• No evidence of erosion			
8. Aggregate Repairs (Trench)			
• Surface of aggregate clean	<u>OK</u>		
• Top layer of stone does not need replacement			
• Trench does not need rehabilitation			
9. Structural Repairs			
• Embankment in good repair	<u>OK</u>		
• Site slopes are stable			
• No evidence of erosion			

Appendix E: Maintenance Inspection Checklist Infiltration Basins and Trenches

Project/Location: 811 PARK EAST DR.

"As Built" Plans Available? YES

Date/Time: 2/13/07

Days Since Previous Rainfall and Rainfall Amount: _____

Inspector: LARRY ENRIGHT

Maintenance Item	Satisfactory	Unsatisfactory	Comments
1. Debris Cleanout			
• Basin bottom or trench surface clear of debris		STUMPS/SOME DEBRIS	
• Inlet/Inflow pipes clear of debris	YES		
• Overflow spillway clear of debris	OK		
• Outlet clear of debris	OK		
2. Sediment Traps or Forebays			
• Sedimentation noted	OK		
• Greater than 50% of storage volume remaining	OK		
3. Vegetation (Basins)			
• Mowing performed as necessary	OK		
• No evidence of erosion	OK		
4. Dewatering			
• Basin/Trench dewatered between storms	OK		
• Drawdown time does not exceed 36 to 48 hours	OK		
5. Sediment Accumulation			
• Approximate depth of accumulated sediment	OK		
6. Inlets			
• Good condition	OK		
• No evidence of erosion	OK		
7. Outlet/Overflow Spillway <u>N/A</u>			
• Good condition, no need for repair			
• No evidence of erosion			
8. Aggregate Repairs (Trench)			
• Surface of aggregate clean	OK		
• Top layer of stone does not need replacement	OK		
• Trench does not need rehabilitation	OK		
9. Structural Repairs			
• Embankment in good repair	OK		
• Site slopes are stable	OK		
• No evidence of erosion	OK		

Maintenance Item	Satisfactory	Unsatisfactory	Comments
10. Fences/Access Repairs <i>NO FENCE</i>			
• Fences in good condition			
• No damage which would allow undesired entry			
• Access point in good condition			
• Locks and gate function properly			
Actions to Be Taken:			
To Be Completed By (Date):			

Source: Adapted from Watershed Management Institute, Inc. 1997. *Operation, Maintenance, and Management of Stormwater Management Systems*. In cooperation with U.S. Environmental Protection Agency, Office of Water. Washington, D.C.

Appendix E: Maintenance Inspection Checklist Infiltration Basins and Trenches

Project/Location: BROOK HEAVEN (2 BASINS)

"As Built" Plans Available? YES

Date/Time: 2/13/07

Days Since Previous Rainfall and Rainfall Amount: _____

Inspector: LARRY ENRIGHT

Maintenance Item	Satisfactory	Unsatisfactory	Comments
1. Debris Cleanout			
• Basin bottom or trench surface clear of debris			VERY OVERGROWN
• Inlet/Inflow pipes clear of debris		NO	
• Overflow spillway clear of debris		NO	
• Outlet clear of debris		NO	
2. Sediment Traps or Forebays			
• Sedimentation noted		UNSEEN	
• Greater than 50% of storage volume remaining			
3. Vegetation (Basins)			
• Mowing performed as necessary		NO	
• No evidence of erosion			
4. Dewatering			
• Basin/Trench dewater between storms	EMPTY		AT TIME OF INSPECTION
• Drawdown time does not exceed 36 to 48 hours			
5. Sediment Accumulation			
• Approximate depth of accumulated sediment	?		
6. Inlets			
• Good condition		NEEDS CLEANING	
• No evidence of erosion			
7. Outlet/Overflow Spillway			
• Good condition, no need for repair	OK		
• No evidence of erosion			
8. Aggregate Repairs (Trench)			
• Surface of aggregate clean	OK		
• Top layer of stone does not need replacement			
• Trench does not need rehabilitation			
9. Structural Repairs			
• Embankment in good repair			LARGE TREES ALL AROUND
• Site slopes are stable			
• No evidence of erosion			

Maintenance Item	Satisfactory	Unsatisfactory	Comments
10. Fences/Access Repairs <i>No Fence</i>			
• Fences in good condition			
• No damage which would allow undesired entry			
• Access point in good condition			
• Locks and gate function properly			
Actions to Be Taken:			
To Be Completed By (Date):			

Source: Adapted from Watershed Management Institute, Inc. 1997. *Operation, Maintenance, and Management of Stormwater Management Systems*. In cooperation with U.S. Environmental Protection Agency, Office of Water. Washington, D.C.

Appendix E: Maintenance Inspection Checklist Stormwater Ponds and Wetlands

Project/Location: DIAMOND HILL RD (DARLINE POND)"As Built" Plans Available? NODate/Time: 2/13/07

Days Since Previous Rainfall and Rainfall Amount: _____

Inspector: LARRY ENRICH

Maintenance Item	Satisfactory	Unsatisfactory	Comments
1. Embankment and Emergency Spillway			
• Vegetation and ground cover adequate		OVER GROWN	
• Embankment erosion		YES	
• Animal burrows		YES	
• Unauthorized planting		YES	
• Cracking, bulging, or sliding of embankment/dam <u>N/A</u>			
a. Upstream face			
b. Downstream face			
c. At or beyond toe			
d. Emergency spillway			
• Pond, toe & chimney drains clear and functioning <u>N/A</u>			
• Seeps/leaks on downstream face <u>N/A</u>			
• Slope protection or riprap failure <u>?</u>			
• Vertical/horizontal alignment of top of dam "As-Built" <u>N/A</u>			
• Emergency spillway clear of obstructions and debris			
• Other (specify)			
2. Riser and Principal Spillway			
• Low flow orifice obstructed		YES	
• Low flow trash rack obstructed with debris		YES	
• Weir trash rack obstructed with debris		YES	
• Excessive sediment accumulation insider riser		YES	
• Concrete/masonry condition riser and barrels			
a. Cracks or displacement		YES	
b. Minor spalling (<1")			
c. Major spalling (rebars exposed)			
d. Joint failures			
e. Water tightness			
• Metal pipe condition			
• Control valve			
a. Operational/exercised			

Maintenance Item	Satisfactory	Unsatisfactory	Comments
b. Chained and locked		NO	
• Pond drain valve	N/A		
a. Operational/exercised			
b. Chained and locked			
• Outfall channels functioning		NO	
• Other (specify)			
3. Permanent Pool (Wet Ponds)			
• Undesirable vegetative growth		YES	
• Floating or floatable debris removal required		NO	
• Visible pollution		YES	
• Shoreline problem		YES	
• Other (specify)			
4. Sediment Forebay			
• Sedimentation noted	NO KNOWN		
• Greater than 50% of storage volume remaining			
5. Dry Pond Areas			
• Vegetation coverage adequate		OVER GROWN	
• Undesirable vegetative growth		YES	
• Undesirable woody vegetation		YES	
• Low flow channels clear of obstructions			
• Standing water or wet spots		YES	
• Sediment and/or trash accumulation			
• Other (specify)			
6. Condition of Outfalls			
• Riprap failures			
• Slope erosion			
• Storm drain pipes			
• Endwalls/Headwalls			
• Other (specify)			
7. Other			
• Complaints from residents (odors, insects, other)		YES	
• Aesthetics (graffiti, algae, other)			
• Conditions of maintenance access routes			
• Signs of hydrocarbon build-up			
• Any public hazards (specify)	DIRTY		
8. Wetland Vegetation			
• Vegetation healthy and growing		NO	
• Wetland maintaining 50% surface area coverage of wetland plants after the second growing season. (If unsatisfactory, reinforcement plantings needed)			
• Survival of desired wetland plant species distribution according to landscaping plan?			
• Evidence of invasive species			

Source: Adapted from Watershed Management Institute, Inc. 1997. *Operation, Maintenance, and Management of Stormwater Management Systems*. In cooperation with U.S. Environmental Protection Agency, Office of Water. Washington, D.C.

Appendix E: Maintenance Inspection Checklist Infiltration Basins and Trenches

Project/Location:

EAST WOODS CREEK (KNOLLWOOD DR)

"As Built" Plans Available?

UNKNOWN

Date/Time:

2/13/07

Days Since Previous Rainfall and Rainfall Amount:

Inspector:

LARRY ENRIGHT

Maintenance Item	Satisfactory	Unsatisfactory	Comments
1. Debris Cleanout			
• Basin bottom or trench surface clear of debris			TREES / DEBRIS
• Inlet/Inflow pipes clear of debris		NO	
• Overflow spillway clear of debris		NO	
• Outlet clear of debris		NO	
2. Sediment Traps or Forebays			
• Sedimentation noted			COULD NOT TELL
• Greater than 50% of storage volume remaining		?	
3. Vegetation (Basins)			
• Mowing performed as necessary		NO	
• No evidence of erosion			
4. Dewatering			
• Basin/Trench dewater between storms		NO	
• Drawdown time does not exceed 36 to 48 hours		NO	
5. Sediment Accumulation			
• Approximate depth of accumulated sediment		?	
6. Inlets			
• Good condition		NO	
• No evidence of erosion			
7. Outlet/Overflow Spillway			
• Good condition, no need for repair		NO	
• No evidence of erosion		NO	
8. Aggregate Repairs (Trench)			
• Surface of aggregate clean		?	
• Top layer of stone does not need replacement			
• Trench does not need rehabilitation			
9. Structural Repairs			
• Embankment in good repair		?	
• Site slopes are stable			
• No evidence of erosion			

Maintenance Item	Satisfactory	Unsatisfactory	Comments
10. Fences/Access Repairs <i>No Fence</i>			
• Fences in good condition			
• No damage which would allow undesired entry			
• Access point in good condition			
• Locks and gate function properly			
<p>Actions to Be Taken:</p> <p>To Be Completed By (Date):</p>			

Source: Adapted from Watershed Management Institute, Inc. 1997. *Operation, Maintenance, and Management of Stormwater Management Systems*. In cooperation with U.S. Environmental Protection Agency, Office of Water. Washington, D.C.

Appendix E: Maintenance Inspection Checklist Infiltration Basins and Trenches

Project/Location: HOLLY SPRINGS
 "As Built" Plans Available? YES
 Date/Time: 8/13/07
 Days Since Previous Rainfall and Rainfall Amount: _____
 Inspector: LARRY ENRIGHT

Maintenance Item	Satisfactory	Unsatisfactory	Comments
1. Debris Cleanup			
• Basin bottom or trench surface clear of debris		NO NEEDS	CLEANING (STUMPS, ETC)
• Inlet/Inflow pipes clear of debris		NO	
• Overflow spillway clear of debris		NO	
• Outlet clear of debris		NO	
2. Sediment Traps or Forebays			
• Sedimentation noted			
• Greater than 50% of storage volume remaining			
3. Vegetation (Basins)			
• Mowing performed as necessary		NO	NEEDS CLEANING
• No evidence of erosion			
4. Dewatering			
• Basin/Trench dewater between storms	OK		
• Drawdown time does not exceed 36 to 48 hours			
5. Sediment Accumulation			
• Approximate depth of accumulated sediment			
6. Inlets			
• Good condition		NEEDS	CLEANING
• No evidence of erosion			
7. Outlet/Overflow Spillway			
• Good condition, no need for repair		SCREEN	BENT UP NEEDS REPAIR
• No evidence of erosion			
8. Aggregate Repairs (Trench)			
• Surface of aggregate clean		?	
• Top layer of stone does not need replacement			
• Trench does not need rehabilitation			
9. Structural Repairs			
• Embankment in good repair		?	
• Site slopes are stable			
• No evidence of erosion			

Maintenance Item	Satisfactory	Unsatisfactory	Comments
10. Fences/Access Repairs <i>No Fence</i>			
• Fences in good condition			
• No damage which would allow undesired entry			
• Access point in good condition			
• Locks and gate function properly			
Actions to Be Taken:			
To Be Completed By (Date):			

Source: Adapted from Watershed Management Institute, Inc. 1997. *Operation, Maintenance, and Management of Stormwater Management Systems*. In cooperation with U.S. Environmental Protection Agency, Office of Water. Washington, D.C.

Appendix E: Maintenance Inspection Checklist Infiltration Basins and Trenches

Project/Location: LOWES / DIAMOND HILL RD"As Built" Plans Available? YESDate/Time: 2/13/07 3:39 PM

Days Since Previous Rainfall and Rainfall Amount: _____

Inspector: LARRY ENRIGHT

Maintenance Item	Satisfactory	Unsatisfactory	Comments
1. Debris Cleanout			
• Basin bottom or trench surface clear of debris			NEEDS CLEANING
• Inlet/Inflow pipes clear of debris			NEED CLEANING
• Overflow spillway clear of debris			NO
• Outlet clear of debris			NO
2. Sediment Traps or Forebays			
• Sedimentation noted			LOTS OF SAND IN BOTTOM
• Greater than 50% of storage volume remaining	OK		
3. Vegetation (Basins)			
• Mowing performed as necessary			NO
• No evidence of erosion			VERY LITTLE
4. Dewatering			
• Basin/Trench dewaterers between storms	OK		
• Drawdown time does not exceed 36 to 48 hours			
5. Sediment Accumulation			
• Approximate depth of accumulated sediment			UNKNOWN
6. Inlets			
• Good condition	OK		
• No evidence of erosion	OK		
7. Outlet/Overflow Spillway			
• Good condition, no need for repair			
• No evidence of erosion	OK	NO	BROKEN CEMENT ON STRUCTURE
8. Aggregate Repairs (Trench)			
• Surface of aggregate clean			NO
• Top layer of stone does not need replacement			
• Trench does not need rehabilitation			
9. Structural Repairs			
• Embankment in good repair	OK		
• Site slopes are stable	OK		
• No evidence of erosion	OK		

Maintenance Item	Satisfactory	Unsatisfactory	Comments
10. Fences/Access Repairs			
• Fences in good condition	OK		
• No damage which would allow undesired entry	OK		
• Access point in good condition	OK		
• Locks and gate function properly	OK		
Actions to Be Taken: To Be Completed By (Date):			

Source: Adapted from Watershed Management Institute, Inc. 1997. *Operation, Maintenance, and Management of Stormwater Management Systems*. In cooperation with U.S. Environmental Protection Agency, Office of Water. Washington, D.C.

Appendix E: Maintenance Inspection Checklist Infiltration Basins and Trenches

Project/Location: OREGON AVE"As Built" Plans Available? UN KNOWNDate/Time: 2/13/07

Days Since Previous Rainfall and Rainfall Amount: _____

Inspector: LARRY ENO GHT

Maintenance Item	Satisfactory	Unsatisfactory	Comments
1. Debris Cleanout			
• Basin bottom or trench surface clear of debris			VERY OVER GROWN TREES IN FRONT OVER GROWN NO
• Inlet/Inflow pipes clear of debris			
• Overflow spillway clear of debris			
• Outlet clear of debris			
2. Sediment Traps or Forebays			
• Sedimentation noted			
• Greater than 50% of storage volume remaining			
3. Vegetation (Basins)			
• Mowing performed as necessary		NO	
• No evidence of erosion			TO OVER GROWN TO SEE
4. Dewatering			
• Basin/Trench dewaterers between storms			WAS EMPTY
• Drawdown time does not exceed 36 to 48 hours			
5. Sediment Accumulation			
• Approximate depth of accumulated sediment			NOT SEEN
6. Inlets			
• Good condition			BLOCKED BY TREES UN SEEN
• No evidence of erosion			
7. Outlet/Overflow Spillway			
• Good condition, no need for repair			MISSING TOP GRATE
• No evidence of erosion			
8. Aggregate Repairs (Trench)			
• Surface of aggregate clean			
• Top layer of stone does not need replacement			
• Trench does not need rehabilitation			
9. Structural Repairs			
• Embankment in good repair			UN SEEN TO OVER GROWN
• Site slopes are stable			
• No evidence of erosion			

Appendix E: Maintenance Inspection Checklist Infiltration Basins and Trenches

Project/Location:

"As Built" Plans Available?

Date/Time:

Days Since Previous Rainfall and Rainfall Amount:

Inspector:

Maintenance Item	Satisfactory	Unsatisfactory	Comments
1. Debris Cleanout			
• Basin bottom or trench surface clear of debris			VERY OVER GROWN NEED TO CLEAN FOR INSP.
• Inlet/Inflow pipes clear of debris			
• Overflow spillway clear of debris			
• Outlet clear of debris			
2. Sediment Traps or Forebays			
• Sedimentation noted			
• Greater than 50% of storage volume remaining			
3. Vegetation (Basins)			
• Mowing performed as necessary			
• No evidence of erosion			
4. Dewatering			
• Basin/Trench dewatered between storms			
• Drawdown time does not exceed 36 to 48 hours			
5. Sediment Accumulation			
• Approximate depth of accumulated sediment			
6. Inlets			
• Good condition			
• No evidence of erosion			
7. Outlet/Overflow Spillway			
• Good condition, no need for repair			
• No evidence of erosion			
8. Aggregate Repairs (Trench)			
• Surface of aggregate clean			
• Top layer of stone does not need replacement			
• Trench does not need rehabilitation			
9. Structural Repairs			
• Embankment in good repair			
• Site slopes are stable			
• No evidence of erosion			

Maintenance Item	Satisfactory	Unsatisfactory	Comments
10. Fences/Access Repairs			
• Fences in good condition			
• No damage which would allow undesired entry			
• Access point in good condition			
• Locks and gate function properly			
Actions to Be Taken:			
To Be Completed By (Date):			

Source: Adapted from Watershed Management Institute, Inc. 1997. *Operation, Maintenance, and Management of Stormwater Management Systems*. In cooperation with U.S. Environmental Protection Agency, Office of Water. Washington, D.C.

Appendix E: Maintenance Inspection Checklist Stormwater Ponds and Wetlands

Project/Location: CVS / PARK EAST DRIVE"As Built" Plans Available? YESDate/Time: 2/13/07

Days Since Previous Rainfall and Rainfall Amount: _____

Inspector: LARRY ENRIGHT

Maintenance Item	Satisfactory	Unsatisfactory	Comments
1. Embankment and Emergency Spillway			
• Vegetation and ground cover adequate			NEEDS TO BE CLEANED
• Embankment erosion	NO		
• Animal burrows	NONE SEEN		
• Unauthorized planting	NO		
• Cracking, bulging, or sliding of embankment/dam	N/A		
a. Upstream face			
b. Downstream face			
c. At or beyond toe			
d. Emergency spillway			
• Pond, toe & chimney drains clear and functioning	N/A		
• Seeps/leaks on downstream face	N/A		
• Slope protection or riprap failure	NONE		
• Vertical/horizontal alignment of top of dam "As-Built"	N/A		
• Emergency spillway clear of obstructions and debris	N/A		
• Other (specify)			
2. Riser and Principal Spillway N/A			
• Low flow orifice obstructed			
• Low flow trash rack obstructed with debris			
• Weir trash rack obstructed with debris			
• Excessive sediment accumulation insider riser			
• Concrete/masonry condition riser and barrels			
a. Cracks or displacement			
b. Minor spalling (<1")			
c. Major spalling (rebars exposed)			
d. Joint failures			
e. Water tightness			
• Metal pipe condition			
• Control valve			
a. Operational/exercised			

Maintenance Item	Satisfactory	Unsatisfactory	Comments
b. Chained and locked	N/A		
• Pond drain valve	N/A		
a. Operational/exercised	N/A		
b. Chained and locked	N/A		
• Outfall channels functioning	N/A		
• Other (specify)			
3. Permanent Pool (Wet Ponds)			
• Undesirable vegetative growth		YES	
• Floating or floatable debris removal required		SOME	
• Visible pollution			
• Shoreline problem		TRUNKS/ETC.	
• Other (specify)			
4. Sediment Forebay			
• Sedimentation noted	IN SEEN / FROZEN		
• Greater than 50% of storage volume remaining			
5. Dry Pond Areas			
• Vegetation coverage adequate	N/A		
• Undesirable vegetative growth			
• Undesirable woody vegetation			
• Low flow channels clear of obstructions			
• Standing water or wet spots			
• Sediment and/or trash accumulation			
• Other (specify)			
6. Condition of Outfalls			
• Riprap failures	N/A		
• Slope erosion			
• Storm drain pipes			
• Endwalls/Headwalls			
• Other (specify)			
7. Other			
• Complaints from residents (odors, insects, other)	N/A		
• Aesthetics (graffiti, algae, other)			
• Conditions of maintenance access routes			
• Signs of hydrocarbon build-up			
• Any public hazards (specify)			
8. Wetland Vegetation			
• Vegetation healthy and growing	N/A		
• Wetland maintaining 50% surface area coverage of wetland plants after the second growing season. (If unsatisfactory, reinforcement plantings needed)			
• Survival of desired wetland plant species distribution according to landscaping plan?			
• Evidence of invasive species			

Maintenance Item	Satisfactory	Unsatisfactory	Comments
N/A			
• Maintenance of adequate water depths for desired wetland plant species.			
• Harvesting of emergent plantings needed			
• Have sediment accumulations reduced pool volume significantly or are plants "choked with sediment."			
• Other (specify)			
Actions to Be Taken:			
To Be Completed By (Date):			

Source: Adapted from Watershed Management Institute, Inc. 1997. *Operation, Maintenance, and Management of Stormwater Management Systems*. In cooperation with U.S. Environmental Protection Agency, Office of Water. Washington, D.C.

Appendix E: Maintenance Inspection Checklist Infiltration Basins and Trenches

Project/Location: ROBINSON ST (SCHOOL)

"As Built" Plans Available? YES

Date/Time: 2/13/07

Days Since Previous Rainfall and Rainfall Amount: _____

Inspector: LARRY ENRIGHT

Maintenance Item	Satisfactory	Unsatisfactory	Comments
1. Debris Cleanout			
• Basin bottom or trench surface clear of debris			<u>NO TIRE / BRUSH / SMALL TREE</u>
• Inlet/Inflow pipes clear of debris	<u>OK</u>		
• Overflow spillway clear of debris	<u>OK</u>		
• Outlet clear of debris	<u>OK</u>		
2. Sediment Traps or Forebays			
• Sedimentation noted	<u>OK</u>		
• Greater than 50% of storage volume remaining			
3. Vegetation (Basins)			
• Mowing performed as necessary			<u>NO TALL WEEDS / GRASS</u>
• No evidence of erosion			
4. Dewatering			
• Basin/Trench dewaterers between storms	<u>OK</u>		
• Drawdown time does not exceed 36 to 48 hours			
5. Sediment Accumulation			
• Approximate depth of accumulated sediment	<u>OK</u>		
6. Inlets			
• Good condition	<u>OK</u>		
• No evidence of erosion	<u>OK</u>		
7. Outlet/Overflow Spillway			
• Good condition, no need for repair	<u>OK</u>		
• No evidence of erosion	<u>OK</u>		
8. Aggregate Repairs (Trench)			
• Surface of aggregate clean	<u>OK</u>		
• Top layer of stone does not need replacement	<u>OK</u>		
• Trench does not need rehabilitation	<u>OK</u>		
9. Structural Repairs			
• Embankment in good repair	<u>OK</u>		
• Site slopes are stable	<u>OK</u>		
• No evidence of erosion	<u>OK</u>		

Maintenance Item	Satisfactory	Unsatisfactory	Comments
10. Fences/Access Repairs <i>OK</i>			
• Fences in good condition	<i>OK</i>		
• No damage which would allow undesired entry			
• Access point in good condition			
• Locks and gate function properly			
Actions to Be Taken:			
To Be Completed By (Date):			

Source: Adapted from Watershed Management Institute, Inc. 1997. *Operation, Maintenance, and Management of Stormwater Management Systems*. In cooperation with U.S. Environmental Protection Agency, Office of Water. Washington, D.C.

Appendix E: Maintenance Inspection Checklist Infiltration Basins and Trenches

Project/Location: TACA LANE / LEDGEWOOD"As Built" Plans Available? UNKNOWNDate/Time: 2/13/07

Days Since Previous Rainfall and Rainfall Amount: _____

Inspector: LARRY ENRIGHT

Maintenance Item	Satisfactory	Unsatisfactory	Comments
1. Debris Cleanout			
• Basin bottom or trench surface clear of debris	OK		
• Inlet/Inflow pipes clear of debris			SOME TREES/BRUSH
• Overflow spillway clear of debris			SOME TREES/BRUSH
• Outlet clear of debris			SOME TREES/BRUSH
2. Sediment Traps or Forebays			
• Sedimentation noted	OK		
• Greater than 50% of storage volume remaining	OK		
3. Vegetation (Basins)			
• Mowing performed as necessary	YES		
• No evidence of erosion	NO		
4. Dewatering			
• Basin/Trench dewaterers between storms	NO WATER		
• Drawdown time does not exceed 36 to 48 hours			
5. Sediment Accumulation			
• Approximate depth of accumulated sediment	NONE		
6. Inlets			
• Good condition			SOME SMALL TREES
• No evidence of erosion			
7. Outlet/Overflow Spillway			
• Good condition, no need for repair	OK		
• No evidence of erosion			
8. Aggregate Repairs (Trench)			
• Surface of aggregate clean	OK		
• Top layer of stone does not need replacement			
• Trench does not need rehabilitation			
9. Structural Repairs			
• Embankment in good repair	OK		
• Site slopes are stable			
• No evidence of erosion			

Maintenance Item	Satisfactory	Unsatisfactory	Comments
10. Fences/Access Repairs <i>NO FENCE</i>			
• Fences in good condition			
• No damage which would allow undesired entry			
• Access point in good condition			
• Locks and gate function properly			
Actions to Be Taken:			
To Be Completed By (Date):			

Source: Adapted from Watershed Management Institute, Inc. 1997. *Operation, Maintenance, and Management of Stormwater Management Systems*. In cooperation with U.S. Environmental Protection Agency, Office of Water. Washington, D.C.

Appendix E: Maintenance Inspection Checklist Infiltration Basins and Trenches

Project/Location: WALMART / DIAMOND HILL RD

"As Built" Plans Available? YES

Date/Time: 2/13/07 335 PM

Days Since Previous Rainfall and Rainfall Amount: _____

Inspector: LARRY ENGLISH

Maintenance Item	Satisfactory	Unsatisfactory	Comments
1. Debris Cleanout			
• Basin bottom or trench surface clear of debris		TRASH	PAPER TRASH
• Inlet/Inflow pipes clear of debris		TRASH	
• Overflow spillway clear of debris		N/A	
• Outlet clear of debris		SOME TRASH	
2. Sediment Traps or Forebays <u>N/A</u>			
• Sedimentation noted			
• Greater than 50% of storage volume remaining			
3. Vegetation (Basins)			
• Mowing performed as necessary	OK		
• No evidence of erosion	OK		
4. Dewatering <u>N/A</u>			
• Basin/Trench dewatered between storms			
• Drawdown time does not exceed 36 to 48 hours			
5. Sediment Accumulation			
• Approximate depth of accumulated sediment			
6. Inlets			
• Good condition	OK		
• No evidence of erosion	OK		
7. Outlet/Overflow Spillway			
• Good condition, no need for repair	OK		
• No evidence of erosion	OK		
8. Aggregate Repairs (Trench) <u>N/A</u>			
• Surface of aggregate clean			
• Top layer of stone does not need replacement			
• Trench does not need rehabilitation			
9. Structural Repairs			
• Embankment in good repair	OK		
• Site slopes are stable	OK		
• No evidence of erosion	OK		

Source: Adapted from Watershed Management Institute, Inc. 1997. *Operation, Maintenance, and Management of Stormwater Management Systems*. In cooperation with U.S. Environmental Protection Agency, Office of Water. Washington, D.C.