Public Works Department
5750 Melaleuca Lane
Greenacres, FL 33463-2032
(561) 642-2071
(561) 642-2094 Fax

Samuel J. Ferreri
Mayor

Wadie Atallah
City Manager

City of Greenacres

December 17, 2012

Mr. Alan D. Wertepny, P.E.
Mock•Roos & Associates, Inc.
5720 Corporate Way
West Palm Beach, Florida 33407

RE: City of Greenacres MS4 Third Cycle, Second Year Annual Report

Dear Mr. Wertepny,

On behalf of the City of Greenacres, please accept the attached submittal of the Palm Beach County NPDES Third Cycle, Second Year Annual Report. As requested, you will find one signed hard copy and one electronic version.

If you have any questions, please feel free to call me at 561-642-2074.

Sincerely,

Carlos I. Cedeño
Public Works Director

CC:
Tom Lanahan, Assistant City Manager /Planning & Engineering Director
Michael Grimm, Building Department Director
Wade Nielson, Roads & Drainage Supervisor

Below named are the lead persons responsible for the implementation of the terms and conditions of the permit:

City of Greenacres

Public Works Department Director:	Carlos I. Cedeño
Address:	5750 Melaleuca Lane Greenacres, Florida 33463
Telephone Number:	(561) 642-2074
Roads and Drainage Supervisor	Wade Nielson
Address:	5750 Melaleuca Lane Greenacres, Florida 33463
Telephone Number:	(561) 642-2185
Planning & Engineering Department Director:	Tom Lanahan
Address:	5800 Melaleuca Lane Greenacres, Florida 33463
Telephone Number:	(561) 642-2040
Building Department Director:	Michael Grimm
Address:	5800 Melaleuca Lane Greenacres, Florida 33463
Telephone Number:	(561) 642-2061

ANNUAL REPORT FORM FOR INDIVIDUAL NPDES PERMITS FOR MUNICIPAL SEPARATE STORM SEWER SYSTEMS (RULE 62-624.600(2), F.A.C.)

- This Annual Report Form must be completed and submitted to the Department to satisfy the annual reporting requirements established in Rule 62-621.600, F.A.C.
- Submit this fully completed and signed form and any REQUIRED attachments by mail to the address in the box at right.
- Refer to the Form Instructions for guidance on completing each section.
- **Please print or type information in the appropriate areas below.**

Submit the form and attachments to:
Florida Department of Environmental Protection
Mail Station 2500
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

SECTION I. BACKGROUND INFORMATION			
A.	Permittee Name: City of Greenacres		
B.	Permit Name: Palm Beach County Municipal Separate Storm Sewer System		
C.	Permit Number: FLS000018-003 (Cycle 3)		
D.	Annual Report Year: ☐ Year 1 ☒ Year 2 ☐ Year 3 ☐ Year 4 ☐ Year 5 ☐ Other, specify Year:		
E.	Reporting Time Period (month/year): October 1, 2011 through September 30, 2012		
F.	Name of the Responsible Authority: Carlos Cedeño		
	Title: Public Works Director		
	Mailing Address: 5750 Melaleuca Lane		
	City: Greenacres	Zip Code: 33463	County: Palm Beach
	Telephone Number: 561-642-2074	Fax Number: 561-642-2094	
	E-mail Address: ccedeno@ci.greenacres.fl.us		
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Michael Grimm		
	Title: Chief Building Official		
	Department: Building Department		
	Mailing Address: 5800 Melaleuca Lane		
	City: Greenacres	Zip Code: 33463	County: Palm Beach
	Telephone Number: 561-642-2061	Fax Number: 561-642-2049	
	E-mail Address: mgrimm@ci.greenacres.fl.us		

SECTION II. MS4 MAJOR OUTFALL INVENTORY (Not Applicable In Year 1)	
A.	Number of outfalls ADDED to the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? ☐ Yes ☐ No ☒ Not Applicable)
B.	Number of outfalls REMOVED from the outfall inventory in the current reporting year (insert "0" if none):0 (Does this number include non-major outfalls? ☐ Yes ☐ No ☒ Not Applicable)
C.	Is the change in the total number of outfalls due to lands annexed or vacated? ☐ Yes ☐ No ☒ Not Applicable

SECTION III. MONITORING PROGRAM

A.	Provide a brief statement as to the status of monitoring plan implementation: *DEP Note: All co-permittees may refer to the PBC Joint AR here as follows: "The monitoring plan is carried out as a joint effort by the Palm Beach County Co-permittees. Please see the Palm Beach County Joint Annual Report for the monitoring information."*
B.	Provide a brief discussion of the monitoring results to date: *DEP Note:* • *All co-permittees may refer to the PBC Joint AR here as follows: "Please see the Palm Beach County Joint Annual Report for the monitoring information."* • *See Part V of the permit for the monitoring requirements.*
C.	Attach a monitoring data summary, as required by the permit.

SECTION IV. FISCAL ANALYSIS

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: $250,892.95 *DEP Note: If program resources have decreased from the previous year, attach a discussion of the impacts on the implementation of the SWMP as per Part II.F of the permit.*
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year:$919,506.26

SECTION V. MATERIALS TO BE SUBMITTED WITH THIS ANNUAL REPORT FORM

Only the following materials are to be submitted to the Department along with this fully completed and signed Annual Report Form (check the appropriate box to indicate whether the item is attached or is not applicable):

Attached	N/A	
☐	☒	Any additional information required to be submitted in this current annual reporting year in accordance with Part III.A of your permit that is not otherwise included in Section VII below.
☐	☒	A monitoring data summary as directed in Section III.C above and in accordance with Rule 62-624.600(2)(c), F.A.C.
☐	☒	Year 1 ONLY: An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM) in accordance with Rule 62-624.600(2)(a), F.A.C. **(Attachments 1A through 1D)**
☐	☒	Year 3 ONLY: The estimates of pollutant loadings and event mean concentrations for each major outfall or each major watershed in accordance with Rule 62-624.600(2)(b), F.A.C.
☐	☒	Year 4 ONLY: Permit re-application information in accordance with Rule 62-624.420(2), F.A.C.

DO NOT SUBMIT ANY OTHER MATERIALS

(such as records and logs of activities, monitoring raw data, public outreach materials, etc.)

SECTION VI. CERTIFICATION STATEMENT AND SIGNATURE

The Responsible Authority listed in Section I.F above must sign the following certification statement, as per Rule 62-620.305, F.A.C:

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

Name of Responsible Authority (type or print): Carlos I. Cedeno

Title: Public Works Director

Signature: _____ Date: December 17, 2012

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
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Permit Citation /SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
Part III.A.1	**Structural Controls and Stormwater Collection Systems Operation**				

Maintain an up-to-date inventory of the structural controls and roadway stormwater collection structures operated by the permittee, including, at a minimum, all of the types of control structures listed in Table II.A.1.a of the permit. Report the current known inventory

DEP Note: The permittee needs to "customize" this section by adding any structural controls to the list below that are part of the permittee's MS4 currently or are planned for the future. The permittee may remove any structural controls listed that it does not have currently or will likely never have in the future. Please see the attached description of each type of structure. In addition, the permittee may choose its own unit of measurement for each structural control. Unit options include: miles, linear feet, acres, etc.

Report the number of inspection and maintenance activities conducted for each type of structure included in Table II.A.1.a, and the percentage of the total inventory of each type of structure inspected and maintained. If the minimum inspection frequencies set forth in Table II.A.1.a were not met, provide as an attachment an explanation of why they were not and a description of the actions that will be taken to ensure that they will be met.

DEP Note: If the minimum inspection frequencies set forth in Table II.A.1.a of the permit were not met for one or more type of structure, the permittee must provide as an attachment an explanation of why they were not and a description of the actions that will be taken to ensure that they will be met. Please provide the title of the attached explanation in Column D and the name of the entity who finalized the explanation in Column E.

Type of Structure	Number of Activities Performed					Documentation / Record	Entity Performing the Activity	Comments
	Total Number of Structures	Number of Inspections	Percentage Inspected	Number of Maintenance Activities	Percentage Maintained			
Dry retention systems* • Ramblewood Pond • Harwhich Ct Pond • Public Safety Station 1 Retention Pond • Original Section Alleyways (7 total) • Municipal Complex	11	132	100%	163	100%	Employee daily worksheets	Public Works Dept.	Inspections: each area inspected monthly, Maintenance Activities: Ramblewood 3) Harwhich Ct: (3) PS 1: (27) Original Section Alleyways: (84) Muncipal

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									Complex: (46)
	Exfiltration trench / French drains (linear feet)	0	0	0	0	0			The City does not have this type of structure
	Grass treatment swales (miles) • Empire Way (west side of road Centurian Way to south side of Gladiator Lake) • Empire Way (Lake Worth Rd to L-12 Canal, west side of road)- 0.34 mile • Centurian Way (Haverhill to Empire Way, south side of road)- 0.12 mile • Dodd Rd (Jog Rd to Woodlake Blvd, north side of road)- 0.36 mile	0.82 mile	208	100%	144	100%	Employee Daily Worksheets	Public Works Roads & Drainage Division	Inspections: De-littering activities (52 weeks x 4 areas) + maintenance activities : Empire Way (62 times) Centurian Way (60) ,and Dodd Rd (22)
	Dry detention systems	0	0	N/A	0	0	N/A	N/A	The City does not have dry detention systems.
	Wet detention systems	0	0	N/A	0	0	N/A	N/A	The City does not have wet detention systems.
	Pollution control boxes	0	0	N/A	0	0	N/A	N/A	The City does not have pollution control boxes.
	Stormwater pump stations	0	0	N/A	0	0	N/A	N/A	The City does not have stormwater pump stations
	Major stormwater outfalls • OF-10-1, OF-22-18, OF-22-19, OF-22-66, OF-22-67, OF 22-70, OF-23-171, OF-23-175, OF-23-177	9	9	100%	1	11%	Stormwater structure repair and maintenance inspection tracking log found at: X:\Office of Director Division\Public Works Director\NPDES Program Management\2012 Phase III Year 2\2012 NPDES Annual Drainage Structure	Public Works Dept.	Annual structure inspection occurred on August 6, 7, 11, and 14. Repairs were not necessary at this time.

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							Inspection .xlsx		
	Weirs or other control structures • CS-01, CS-02,CS-03,CS-04, CS-05, CS-06,CS-07,CS-09, CS-10,CS-11, CS-12,CS-13, and CS-29	13	13	100%	0	0%	Stormwater structure repair and maintenance inspection tracking log found at: X:\Office of Director Division\Public Works Director\NPDES Program Management\2012 Phase III Year 2\2012 NPDES Annual Drainage Structure Inspection .xlsx	Public Works Dept.	Annual structure inspection occurred on 7/7, 7/11, 7/13, 7/14, and 7/25.
	MS4 pipes / culverts (feet) **(1) at A-Canal and 57th (40')** **(1) at A-Canal and 55th Ave (40')** **(1) at B-Canal and 57th Ave (40')** **(1) at B-Canal and 55th Ave (40')** **(1) at Empire Way and L-12 (125')** **(1) at Empire Way and L-13 (125')** **(1) at Dillman Rd (125')** **(1) at Perry Ave/Jennings into L-10 (40')** **(1) at Sherwood Forest in Chalet IV (100')**	675'	675'	100%	0 of 9 required maint.		Employee daily worksheets and	Public Works Dept	Pipes were inspected and were found to be in good working condition.
	Inlets / catch basins / grates (includes curb inlets, ditch bottom inlets, man holes, and inlets)	478	478	100%	57	12%	Employee daily worksheets, contractual cleaning (PO # 11-1027), and Stormwater structure repair and maintenance tracking log : X:\Office of Director Division\Public Works Director\NPDES Program Management\2012 Phase III Year 2\2012 NPDES Annual Drainage Structure Inspection .xlsx	Public Works Dept. and Contractor-Shenandoah General Construction Company	Annual structure inspection occurred on July 6 through 15; inspections occurred during rain events. Contractual cleaning of 81 structures, 20 maintenance activities by PW personnel, and major repair on S. 37th Ave (structure #23-93-

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									C)
	Ditches / conveyance swales Biscayne Blvd (.04 miles) Biscayne Drive (0.9 miles) Swain Blvd (1 mile) Empire Way (0.34 miles) Centurian Way (0.12 miles) 57th Ave from 10th Ave to Lake Worth Rd. (0.33 miles) Bowman Rd. (0.47 miles) Sherwood Forest Blvd. (2.87 miles);	6.07 miles	252	100%	252	100%	Employee daily worksheets	Public Works Dept. (part of routine Roads & Drainage Division and Department of Corrections inmate crew operations)	Maintained /Inspected Biscayne Blvd (13) times, Biscayne Drive (12) times, Swain Blvd (0) time, Empire Way (62) times, Centurian Way (60) times, 57th Ave (1) times, Bowman Rd (1) times, and Sherwood Forest Blvd (104) times
	ATTACH explanation if any of the minimum inspection frequencies in Table II.A.1.a were <u>not</u> met						Inspection minimums were exceeded		
	Year 1 ONLY: Attach a map of all known major outfalls as per Rule 62-624.600(2)(a), F.A.C.						N/A- This is Year 2 report		
Part III.A.2	**Areas of New Development and Significant Redevelopment**								
	Report the number of new development and significant redevelopment projects reviewed by the permittee for post-development stormwater considerations. *<u>DEP Note:</u> Please provide an explanation in Column F for any "0" reported in Column C. This provision <u>DOES NOT APPLY</u> to Indian Trail Improvement District (ITID), Northern Palm Beach County Improvement District (NPBCID), South Indian River Water Control District (SIRWCD), and FDOT.*								
	Number of new development / significant redevelopment projects reviewed				0		Building Dept database		No new or significant redevelopment projects during reporting period
	Provide in the Year 2 Annual Report the summary report of the review activity. Provide in the Year 4 Annual Report the follow-up report on plan implementation. *<u>DEP Note:</u> Refer to Part III.A.2 of the permit for details regarding what the review entails, and what must be included in the summary report and follow-up report. Please provide the title of the attached report in Column D and the name of the entity who finalized the report in Column E. This provision <u>DOES NOT APPLY</u> to ITID, NPBCID, SIRWCD, and FDOT.*								
	Year 2 ONLY: Attach the summary report of the review activity						0		See Attachment 1
	Year 4 ONLY: Attach the follow-up report on plan implementation						0		N/A
Part III.A.3	**Roadways**								

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	Annually review (and revise, as needed) and implement the permittee's written procedures for the litter control program(s) for public streets, roads, and highways, including rights-of-way, employed within the permittee's jurisdictional area and properly dispose of collected material. Implement the program on a monthly, or on an as needed, basis. Report on the litter control program, including the frequency of litter collection, an estimate of the total number of road miles cleaned or amount of area covered by the activities, and an estimate of the quantity of litter collected. *DEP Note: Please provide an explanation in Column F for any "0" reported in Column C. In addition, the permittee may choose its own units of measurement for the reporting items. Unit options for the amount of litter include: bags, cubic yards, pounds, tons. Unit options for the amount of area covered by the activity include: square feet, linear feet, yards, miles, acres. If all litter collection is performed by staff or by contractors, and not both, please remove the non-applicable reporting items.*				
	PERMITTEE Litter Control Program: Frequency of litter collection	156	Employee daily worksheets	Public Works Roads & Drainage and Parks Division	104 days collected by Parks Division and 52 days collected by Roads & Drainage:
	PERMITTEE Litter Control Program: Estimated amount of area maintained (acreage)	180.2	Employee daily worksheets	Public Works Roads & Drainage and Parks Division	Employee daily worksheets
	PERMITTEE Litter Control Program: Estimated amount of litter collected (bags)	5,872	Employee Daily Worksheets;	Public Works Roads & Drainage and Parks Division	4,553 bags collected by Parks Division and 1,319 Roads & Drainage Division
	CONTRACTOR Litter Control Program: Frequency of litter collection	211 days	Daily Worksheet; Tracked on the x-drive at X:\DOC	Dept of Corrections Work Squad	DOC performed __ days of litter collection; 114 days for the Parks Division and 97 days for Roads and Drainage Division
	CONTRACTOR Litter Control Program: Estimated amount of area maintained (acreage)	180.2	Daily Worksheet	Dept of Corrections Work Squad	DOC assists in daily operations of PW Dept including litter collection;
	CONTRACTOR Litter Control Program: Estimated amount of litter collected (bags)	72	Daily Worksheet	Dept of Corrections Work Squad	Includes totals for Parks and Roads & Drainage Divisions
	If an Adopt-A-Road or similar program is implemented, report the total number of road miles cleaned and an estimate of the quantity of litter collected. *DEP Note: Please provide an explanation in Column F for any "0" reported in Column C. In addition, the permittee may choose its own unit of measurement for the amount of litter collected. Unit options include: bags, cubic yards, pounds, tons. If an Adopt-A-Road or similar program is not implemented by the permittee, please note that in Column F.*				
	Keep PBC Beautiful Trash Pick-up Events: Total miles cleaned	1 mile	Great American Cleanup Site Report found at	Public Works Dept. and volunteers	Performed as part of City's annual Great

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			X:\Office of Director Division\Public Works Director\NPDES Program Management\2012 Phase III Year 2\2012 GAC Greenacres Site Report.doc		American Cleanup event held on 4/21/12
	Keep PBC Beautiful Trash Pick-up Events: Estimated amount of litter collected (cubic yards)	Approx. 80 yds^3 (4 roll-off containers)	Great American Cleanup Site Report found at X:\Office of Director Division\Public Works Director\NPDES Program Management\2012 Phase III Year 2\2012 GAC Greenacres Site Report.doc	Public Works Dept. and volunteers	(52) trash bags x 30lbs each = 1,560 lbs and (4) roll-off containers with 9,920 lbs were collected; total debris weight = 1,480 lbs
	Adopt-A-Road Program: Total miles cleaned	0	N/A		The City does not have an Adopt-A-Road program
	Adopt-A-Road Program: Estimated amount of litter collected (cubic yards)	0	N/A		The City does not have an Adopt-A-Road program
	Report on the street sweeping program, including the frequency of the sweeping, total miles swept, an estimate of the quantity of sweepings collected, and the total nitrogen (TN) and total phosphorus (TP) loadings that were removed by the collection of sweepings. If no street sweeping program is implemented, provide the explanation of why not in the Year 1 Annual Report. *DEP Note: Please provide an explanation in Column F for any "0" reported in Column C. Also, the permittee may choose its own unit of measurement for the amount of sweeping material collected. Unit options include: cubic yards, pounds, tons.* *DEP Note: If the permittee has curbs and gutters but no street sweeping program is implemented, the permittee must provide an explanation of why not in the Year 1 Annual Report. Refer to Part III.A.3 of the permit for the information that must be included in the explanation (including the alternate BMPs used or planned in lieu of street sweeping). Please provide the title of the attached explanation in Column D and the name of the entity who finalized the explanation in Column E.*				
	Frequency of street sweeping	0	N/A		N/A

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	Total miles swept (per year)	0	N/A		N/A
	Estimated quantity of sweeping material collected (cubic yards)	0	N/A		N/A
	Total nitrogen loadings removed (pounds)	0	N/A		N/A
	Total phosphorus loadings removed (pounds)	0	N/A		N/A
	Year 1 ONLY: If have curbs and gutters, attach explanation of why no street sweeping program and the alternate BMPs used or planned		X:\Office of Director Division\Public Works Director\NPDES Program Management\2012 Phase III Year 1\SOPs\Street Sweeping Program.docx	Public Works Department	Although the City does not have a street sweeping program, the City has identified an SOP for future implementation if needed There are no curb and gutter systems within the City
	Annually review (and revise, as needed) and implement the permittee's written standard practices to reduce the pollutants in stormwater runoff from areas associated with road repair and maintenance, and from permittee-owned or operated equipment yards and maintenance shops that support road maintenance activities. Report the number of applicable facilities and the number of inspections conducted for each facility. *DEP Note: The permittee needs to "customize" this section by listing the names of the applicable facilities in Column B and the number of inspections of each facility in Column C. Add more rows if necessary. If "0" is reported in Column C for the number of inspections conducted and the permittee has one or more applicable facilities, please provide an explanation in Column F for why no inspections were conducted.*				
		Number of Inspections			
	Name of facility #1: Public Works Compound, Public Safety Station 1, and City Hall.	330	Documented on hazardous material/storage tank inspection form and on bi-Monthly report to council	Public Works Vehicle Maintenance Division	All three facilities were combined for this reporting cycle
	Name of facility #2:				
	Name of facility #3:				
	Name of facility #4:				
Part III.A.4	**Flood Control Projects**				

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	Report the total number of flood control projects that were constructed by the permittee during the reporting period and the number of those projects that did NOT include stormwater treatment. The permittee shall provide a list of the projects where stormwater treatment was not included with an explanation for each of why it was not. Report on any stormwater retrofit planning activities and the associated implementation of retrofitting projects to reduce stormwater pollutant loads from existing drainage systems that do not have treatment BMPs. *DEP Note: The status of the flood control and retrofit projects should be reported as of the last day of the applicable reporting period. Therefore, there should be no duplication for those reported as planned and for those reported as completed.* *DEP Note: If applicable, please provide the title of the attached list of flood control projects that did not include stormwater treatment in Column D and the name of the entity who finalized the list in Column E.*				
	Flood control projects completed during the reporting period	2	Contractual services that are documented through Purchase Orders	The work was performed by a contractor but was coordinated/ supervised by the Public Works Dept,	Documentation stored in the LASERFICHE storage program; also disseminated to members of City Council through FYI Articles; these projects were related to maintenance of existing conveyance structures
	Flood control projects completed during the reporting period that did not include stormwater treatment	0			None during this reporting period.
	ATTACH a list of the flood control projects that did not include stormwater treatment and an explanation for each of why it was not		X:\Office of Director Division\Public Works Director\NPDES Program Management\2012 Phase III Year 2\Attachment 12 Stormwater Control Projects.docx	Contractors/ Public Works Roads & Drainage Division	
	Stormwater retrofit projects planned	2	Villa Del Trio Stormwater Enhancement: http://www.ci.greenacres.fl.us/dept_finance/pdf/budget_pdf/2011/201.pdf A & B Canal Enhancement:	Public Works Department with funding assistance through the Florida Division of Emergency Management	Both of the projects were grant funded. The Villa Del Trio project moved into Phase I, engineering studies, the A & B Canal

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			http://www.ci.greenacres.fl.us/dept_finance/pdf/budget_pdf/2011/202.pdf		enhancement was not completed due to budget modifications
	Stormwater retrofit projects completed during the reporting period	0	X:\Office of Director Division\Public Works Director\NPDES Program Management\2011 Phase III Year 1\Attachment 12 Stormwater Control Projects.docx	Contractors/ Public Works Roads & Drainage Division	
Part III.A.5	**Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit**				
	Annually review (and revise, as needed) and implement the permittee's written procedures for inspections and the implementation of measures to control discharges from the following facilities that are not otherwise covered by an NPDES stormwater permit: • operating municipal landfills; • municipal waste transfer stations; • municipal waste fleet maintenance facilities; and • any other municipal waste treatment, waste storage, and waste disposal facilities. Report the number of applicable facilities and the number of the inspections conducted for each facility. *DEP Note: The permittee needs to "customize" this section by listing the names of the applicable facilities in Column B and the number of inspections of each facility in Column C. Add more rows if necessary. If "0" is reported in Column C for the number of inspections conducted and the permittee has one or more applicable facilities, please provide an explanation in Column F for why no inspections were conducted. An applicable facility under Part III.A.5 includes, but is not limited to, those facilities/yards where street sweeping material and/or yard waste are temporary stockpiled, and where solid waste collection vehicles are parked and/or maintained. In addition, if the same facility is applicable under both Parts III.A.3 and III.A.5 of the permit, the same site inspection can count towards both inspection requirements as long as it covers the applicable waste area(s). Be sure to report the site inspection under both Parts III.A.3 and III.A.5.*				
		Number of Inspections			
	Name of facility #1:	The City does not operate any of these types of facilities.			
	Name of facility #2:				
	Name of facility #3:				
	Name of facility #4:				
Part III.A.6	**Pesticides, Herbicides, and Fertilizer Application**				

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	Continue to require proper certification and licensing by the Florida Department of Agriculture and Consumer Services (FDACS) for all applicators contracted to apply pesticides, herbicides, or fertilizers on permittee-owned property, as well as any permittee personnel employed in the application of these products. Report the number of permittee personnel applicators and contracted commercial applicators of pesticides and herbicides who are FDACS certified / licensed. Report the number of permittee personnel and contractors who have been trained through the Green Industry BMP Program, and the number of contracted commercial applicators of fertilizer who are FDACS certified / licensed. *<u>DEP Note:</u> Please provide an explanation in Column F for any "0" reported in Column C. If "0" is reported in Column C for any of the reporting items, please include in Column F an explanation of why training was not provided to / obtained by personnel and contractors during the applicable reporting year, the most recent year that training / certification was previously provided / obtained, and the names of the personnel and contractors previously trained / certified*.				
	PERSONNEL: Florida Department of Agriculture and Consumer Services (FDACS) certified applicators of pesticides and herbicides	3	Located in personnel records in City's laserfiche system	Public Works Dept.	• Edgar Berrios license #PB0820 • William Pazanski license #PB10371 • Wyman Scott, Jr. license #PB9306
	CONTRACTORS: FDACS certified / licensed applicators of pesticides and herbicides	2	Located in Public Works Department	Terminix (commercial pesticide applicator) and Aquagenix (aquatic vegetation control)	• Terminix Fl. license #'s JE188935, JE104812, JE12470, JE6632, JE 111557, JE178270, and JE169145. • Aquagenix Fl. license #'s CM14634 and CM16092
	CONTRACTORS: FDACS certified / licensed applicators of fertilizer	0	N/A		The City does not outsource the application of fertilizer

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	PERSONNEL: Green Industry BMP Program training completed	3	Employee personnel file and employee training tracking database found at: X:\Office of Director Division\Public Works Secretary\Employee Info\Employee Certifications - Degrees - Licenses.xlsx		The following courses were completed during reporting period: • Skills & Spills: Non-Emergency HazMat Spill Response • Stormwater Pollution Prevention - Storm Warnings • Pesticide General Standards/Core, Ornamental & Turf, & Aquatic Weed Control Review Courses
	CONTRACTORS: Green Industry BMP Program training completed	0			
	Pursuant to SB 2080 (2009), all local governments are encouraged to adopt a Florida-friendly Landscaping Ordinance similar to the one set forth in the document "Florida-friendly Guidance Models for Ordinances, Covenants and Restrictions." If the broader Florida-friendly ordinance described above is not adopted, then all local governments within the watershed of a nutrient-impaired water body shall adopt the Department's Model Ordinance for Florida-Friendly Fertilizer Use on Urban Landscapes pursuant to SB 494 (2009) or an ordinance that includes all of the requirements set forth in the Model Ordinance. The ordinance shall be adopted within 24 months of the date of permit issuance. Provide a copy of the adopted ordinance with the subsequent Year 1 or Year 2 Annual Report. *DEP Note: This provision DOES NOT APPLY to ITID, NPBCID, SIRWCD, and FDOT. For all other permittees, if this provision is not applicable because the permittee is not within the watershed of a nutrient-impaired water body, then please indicate that in Column F.* *DEP Note: Please provide the title and citation of the ordinance in Column D, and the name of the entity who finalized the ordinance in Column E.*				
	Year 1 or Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance		See Attachment 2		
	During Year 1 of the permit, develop and implement a written public education and outreach program plan to encourage citizens to reduce their use of pesticides, herbicides, and fertilizers. Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage citizens to reduce their use of pesticides, herbicides, and fertilizers, including the type and number of activities conducted, the type and number of materials distributed, the percentage of the population reached by the activities in total, and the number of Web site visits (if applicable). Activities performed under the Florida Yards and Neighborhoods (FYN) program should only be reported if the permittee is contributing funding towards the FYN staff and program within its jurisdiction. *DEP Note: The permittee should "customize" the list of public outreach activities by removing or adding to the list below as appropriate to their particular public outreach program. However, the first reporting item of "Estimated percentage of the population reached by the activities in total" must remain unless the permittee chooses to reference the PBC Joint AR. The permittee may add more specifics to the reporting items, such as the name of the brochure or newsletter distributed. If "0" is reported in Column C for all the reporting items, please include in Column F an explanation for why no outreach was performed.* *DEP Note: All the permittees may refer to the PBC Joint AR in place of reporting individual items as demonstrated in the row below. The permittees may remove*				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	**B.**	**C.**	**D.**	**E.**	**F.**
Permit Citation /SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	all reporting items except the first reporting item if they include reference to the PBC Joint AR. However, a permittee can choose to also report any outreach activities it performs in addition to the joint effort – in such a case, please keep the reporting items that are applicable. *<u>DEP Note:</u> Indicate under Column E "Entity Performing the Activity" if FYN or IFAS is performing any of the reported public education and outreach activities.*				
	Public education and outreach program	The public outreach and education plan is carried out as a joint effort by the Palm Beach County Co-permittees. Please see the Palm Beach County Joint Annual Report for the public education and outreach information.			
	Estimated percentage of the population reached by the activities in total				
	Brochures/Flyers/Fact sheets distributed				
	FYN: Brochure/Flyers/Fact sheets distributed			FYN	
	Neighborhood presentations: Number conducted				
	FYN: Neighborhood presentations: Number of participants			FYN	
	FYN: Neighborhood presentations: Number conducted			FYN	
	Neighborhood presentations: Number of participants				
	Newspapers & newsletters: Number of articles/notices published				
	Newsletters: Number of newsletters distributed				
	Public displays (e.g., kiosks, storyboards, posters, etc.)				
	FYN: Public displays (e.g., kiosks, storyboards, posters, etc.)			FYN	
	Radio or television Public Service Announcements (PSAs)				
	FYN: Radio or television Public Service Announcements (PSAs)			FYN	
	School presentations: Number conducted				
	School presentations: Number of participants				
	FYN: School presentations: Number conducted			FYN	
	FYN: School presentations: Number of participants			FYN	
	Seminars/Workshops: Number conducted				
	Seminars/Workshops: Number of participants				
	FYN: Seminars/Workshops: Number conducted			FYN	
	FYN: Seminars/Workshops: Number of participants			FYN	
	Special events: Number conducted				
	Special events: Number of participants				
	FYN: Special events: Number conducted			FYN	
	FYN: Special events: Number of participants			FYN	
	Web Site: Number of hits / visitors to the stormwater-related pages				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A. Permit Citation /SWMP Element	B. Permit Requirement/Quantifiable SWMP Activity	C. Number of Activities Performed	D. Documentation / Record	E. Entity Performing the Activity	F. Comments
	During Year 1 of the permit, develop and implement a written plan for the training of all permittee personnel applicators and contracted applicators to emphasize the stormwater implications of pesticide, herbicide and fertilizer application. Follow-up training shall be provided annually. Training to obtain or maintain an FDACS certificate and/or license does not satisfy this requirement. Report the number of permittee personnel applicators and contracted applicators who participated in training on the stormwater implications of pesticide, herbicide and fertilizer application (both in-house and outside training). *DEP Note: If "0" is reported in Column C for either reporting item, please include in Column F an explanation of why training was not provided to / obtained by personnel and contractors during the applicable reporting year, the most recent year that training was previously provided / obtained, and the names of the personnel and contractors previously trained. In addition, please note that this training refers to any classes, on-the-job training, or other informal training that does not count towards an applicator's FDACS certification / license.*				
		Initial Training	**Refresher Training**				
	Personnel trained	**18**	**13**		Employee personnel file and employee training tracking database found at: X:\Office of Director Division\Public Works Secretary\Employee Info\Employee Certifications - Degrees - Licenses.xlsx	Various training sources	
	Contractors trained	**2**	**0**		Located in PW Secretary's files	FL Dept of Agriculture & Consumer Services	• Edgar Berrios license #PB0820 • William Pazanski license #PB10371 • Wyman Scott, Jr. license #PB9306
Part III.A.7.a	**Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures**						

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A.	**B.**	**C.**	**D.**	**E.**	**F.**
Permit Citation /SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	Where applicable, strengthen the legal authority to conduct inspections, conduct monitoring, control illicit discharges, illicit connections, illegal dumping and spills into the MS4 and to require compliance with conditions in ordinances, permits, contracts, and orders. Report amendments, as needed. *DEP Note: If applicable, please provide the title of the attached report in Column D and the name of the entity who finalized the report in Column E.*				
	ATTACH a report on any amendments to the applicable legal authority				
Part III.A.7.c	**Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal**				
	During Year 1 of the permit, develop and implement a written proactive inspection program plan for identifying and eliminating sources of illicit discharges, illicit connections, or dumping to the MS4. Report on the proactive inspection program, including the number of inspections conducted, the number of illicit activities found, and the number and type of enforcement actions taken. *DEP Note: If "0" is reported in Column C for the first reporting item, please include an explanation in Column F for why no proactive inspections were performed. In addition, the permittee should re-word the "NOVs / warning letters / citations issued" reporting item to more accurately reflect its particular initial enforcement activity, if necessary.* *DEP Note: Proactive inspections may include, for example, suspect areas (e.g., industrial areas), commercial businesses (e.g., restaurants, car washes, service stations, laundries / dry cleaners, auto body shops, mobile carpet cleaners) or temporary activities (e.g., special events / fairs / circus) that would not otherwise be inspected during routine inspections and maintenance of the MS4, in association with high risk industrial facilities or construction sites, or in response to citizen or staff reports*. *DEP Note: Refer to Part III.A.7.c of the permit for what must be included in the written proactive inspection program plan. Please provide the title of the attached plan in Column D and the name of the entity who finalized the plan in Column E.*				
	Proactive inspections for suspected illicit discharges / connections / dumping	55	Excel spreadsheet "Illicit Discharges FY 2012" on city Y drive and hard copies in NPDES file cabinet at Building Department	Building Department	
	Illicit discharges / connections / dumping found during a proactive inspection	1	Excel spreadsheet "Illicit Discharges FY 2012" on city Y drive and hard copies in NPDES file cabinet at Building Department	Building Department	
	Notices of Violation (NOVs) / warning letters / citations issued for illicit discharges / connections / dumping found during a proactive inspection	1	Code Enforcement Energov Software Database	Building Department	
	Fines issued for illicit discharges / connections / dumping found during a proactive inspection	0	Code Enforcement Energov Software	Building Department	Violation remedied prior to

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
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			Database		Code Board ordered compliance date
	Year 1 ONLY: Attach the written proactive inspection program plan		see Attachment 3 Proactive Illicit Discharge Inspection Program		
	Annually review (and revise, as needed) and implement the permittee's written procedures to conduct reactive investigations to identify and eliminate the source(s) of illicit discharges, illicit connections or improper disposal to the MS4, based on reports received from permittee personnel, contractors, citizens, or other entities regarding suspected illicit activity. Report on the reactive investigation program as it relates to responding to reports of suspected illicit discharges, including the number of reports received, the number of investigations conducted, the number of illicit activities found, and the number and type of enforcement actions taken. *DEP Note: The permittee should re-word the "NOVs / warning letters / citations issued" reporting item to more accurately reflect its particular initial enforcement activity, if necessary.*				
	Reports of suspected illicit connections / discharges / dumping received	1	"Illicit Discharges FY 2012" hard copies in NPDES file cabinet at Building Department	Building Department	
	Reactive investigations of reports of suspected illicit discharges/ connections / dumping	1	"Illicit Discharges FY 2012" hard copies in NPDES file cabinet at Building Department	Building Department	
	Illicit discharges / connections / dumping found during a reactive investigation	1	"Illicit Discharges FY 2012" hard copies in NPDES file cabinet at Building Department	Building Department	
	Notices of Violation (NOVs) / warning letters / citations issued for illicit discharges / connections / dumping found during a reactive investigation	1	Code Enforcement Energov Software Database	Building Department	
	Fines issued for illicit discharges / connections / dumping found during a reactive investigation	0	Code Enforcement Energov Software Database	Building Department	Violation remedied prior to Code Board ordered compliance date

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A. Permit Citation /SWMP Element	B. Permit Requirement/Quantifiable SWMP Activity	C. Number of Activities Performed	D. Documentation / Record	E. Entity Performing the Activity	F. Comments
	During Year 1 of the permit, develop and implement a written plan for the training of all appropriate permittee personnel (including field crews, fleet maintenance staff, and inspectors) and contractors to identify and report conditions in the stormwater facilities that may indicate the presence of illicit discharges / connections / dumping to the MS4. Follow-up training shall be provided annually. Report the number and type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training). *DEP Note: If "0" is reported for either reporting item, please include in Column F an explanation of why training was not provided to / obtained by personnel and contractors during the applicable reporting year, the most recent year that training was previously provided / obtained, and the names of the personnel and contractors previously trained.*				
	Initial Training / **Refresher Training**				
	Personnel trained — **18** / **18**		Employee personnel file and employee training tracking database found at: X:\Office of Director Division\Public Works Secretary\Employee Info\Employee Certifications - Degrees - Licenses.xlsx Copy of mp4 presentation "Illicit Discharge Detection and Elimination IDDE 301" and attendance log in NPDES folder on Y-drive	FL Dept of Agriculture & Consumer Services and Florida Dept of Environmental Protection	5 members of the Building department staff are certified DEP Stormmwater Management Inspectors
	Contractors trained — **0** / **0**				Very little construction activity due to economy.
Part III.A.7.d	**Illicit Discharges and Improper Disposal — Spill Prevention and Response**				
	Annually review (and revise, as needed) and implement the permittee's written spill-prevention/spill-response plan and procedures to prevent, contain, and respond to spills that discharge into the MS4. Report on the spill prevention and response activities, including the number of spills addressed. *DEP Note: The permittee may report the number of hazardous material spills separately from the number of non-hazardous material spills, or report one combined number, to more accurately reflect its tracking of these spills.*				

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Permit Citation /SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**		**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	Hazardous and non-hazardous material spills responded to		3	Public Safety Department's Fire Reporting Management System	Public Safety Personnel	Per Greenacres Fire Rescue Division Chief
	During Year 1 of the permit, develop and implement a written plan for the training of all appropriate permittee personnel (including field crews, firefighters, fleet maintenance staff and inspectors) and contractors on proper spill prevention, containment, and response techniques and procedures. Follow-up training shall be provided annually. Report the number and type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training). *DEP Note: If "0" is reported for either reporting item, please include in Column F an explanation of why training was not provided to / obtained by personnel and contractors during the applicable reporting year, the most recent year that training was previously provided / obtained, and the names of the personnel and contractors previously trained.*					
		Initial Training	**Refresher Training**			
	Personnel trained	**56**	**53 100% Public Safety staff received training 83% Public Works staff received training**	(38) Public Safety Department employees; Personnel training records found in personnel files. (18) Public Works Dept. employees; training folder at: X:\Office of Director Division\Public Works Secretary\Employee Info\Employee Certifications - Degrees - Licenses.xlsx	FL Dept of Agriculture & Consumer Services and Florida Dept of Environmental Protection	
	Contractors trained	**2**	**2**			
Part III.A.7.e	**Illicit Discharges and Improper Disposal — Public Reporting**					

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	During Year 1 of the permit, develop and implement a written public education and outreach program plan to promote, publicize, and facilitate public reporting of the presence of illicit discharges and improper disposal of materials into the MS4. Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the public reporting of suspected illicit discharges and improper disposal of materials, including the type and number of activities conducted, the type and number of materials distributed, the percentage of the population reached by the activities in total, and the number of Web site visits (if applicable). *DEP Note: The permittee should "customize" the list of public outreach activities by removing or adding to the list below as appropriate to their particular public outreach program. However, the first reporting item of "Estimated percentage of the population reached by the activities in total" must remain unless the permittee chooses to reference the PBC Joint AR. The permittee may add more specifics to the reporting items, such as the name of the brochure or newsletter distributed. If "0" is reported in Column C for all the reporting items, please include in Column F an explanation for why no outreach was performed.* *DEP Note: All the co-permittees may refer to the PBC Joint AR in place of reporting individual items as demonstrated in the first line below. The co-permittees may remove all the other reporting items except the first one if they include reference to the PBC Joint AR. However, a permittee can choose to also report any outreach activities it performs in addition to the joint effort – in such a case, please keep the reporting items that are applicable.*				
	Public education and outreach program	The public outreach and education plan is carried out as a joint effort by the Palm Beach County Co-permittees. Please see the Palm Beach County Joint Annual Report for the public education and outreach information.			
	Estimated percentage of the population reached by the activities in total				
	Brochures/Flyers/Fact sheets distributed				
	Neighborhood presentations: Number conducted				
	Neighborhood presentations: Number of participants				
	Newspapers & newsletters: Number of articles/notices published				
	Newsletters: Number of newsletters distributed				
	Public displays (e.g., kiosks, storyboards, posters, etc.)				
	Radio or television Public Service Announcements (PSAs)				
	School presentations: Number conducted				
	School presentations: Number of participants				
	Seminars/Workshops: Number conducted				
	Seminars/Workshops: Number of participants				
	Special events: Number conducted				
	Special events: Number of participants				
	Web Site: Number of visitors to the stormwater-related pages	2 links on website, unknown number of visitors.	http://www.ci.greenacres.fl.us/Forms/Illicit_Discharge.php http://www.pbco-npdes.org/constRun.html	Building Department	Information Technology researching ability to do a hit count on the "illicit discharge " and "construction site runoff " links on the city website

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Permit Citation /SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
Part III.A.7.f	**Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control**				
	During Year 1 of the permit, develop and implement a written public education and outreach program plan to encourage the proper use and disposal of used motor vehicle fluids, leftover hazardous household products, and lead acid batteries. Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the proper use and disposal of oils, toxics, and household hazardous waste, including the type and number of activities conducted, the type and number of materials distributed, the amount of waste collected / recycled / properly disposed, the percentage of the population reached by the activities in total, and the number of Web site visits (if applicable). *<u>DEP Note:</u> The permittee should "customize" the list of public outreach activities by removing or adding to the list below as appropriate to their particular public outreach program. However, the first reporting item of "Estimated percentage of the population reached by the activities in total" must remain unless the permittee chooses to reference the PBC Joint AR. The permittee may add more specifics to the reporting items, such as the name of the brochure or newsletter distributed. If "0" is reported in Column C for all the reporting items, please include in Column F an explanation for why no outreach was performed.* *<u>DEP Note:</u> All the co-permittees may refer to the PBC Joint AR in place of reporting individual items as demonstrated in the first line below. The co-permittees may remove all the other reporting items if they include reference to the PBC Joint AR. However, a permittee can choose to also report any outreach activities it performs in addition to the joint effort – in such a case, please keep the reporting items that are applicable.*				
	Public education and outreach program	The public outreach and education plan is carried out as a joint effort by the Palm Beach County Co-permittees. Please see the Palm Beach County Joint Annual Report for the public education and outreach information.			
	Estimated percentage of the population reached by the activities in total	50	Building Department Counter Monthly Brochure Log. Hard copy kept in NPDES file cabinet draw at Building Department	Building Department	Hand written log. On the first of each month a Permit Tech counts the number of brochures taken from the display and enters into the log.
	Brochures/Flyers/Fact sheets distributed	0			This information was not distributed other than through the City's website.
	Household Hazardous Waste (HHW) Collection Day: Events **HHW Collection Day: Amount of waste collected/recycled/properly disposed (tons)**	0	N/A		The City's solid waste hauler does not track this information.
	Neighborhood presentations: Number conducted	0	N/A		
	Neighborhood presentations: Number of participants	0	N/A		
	Newspapers & newsletters: Number of articles/notices published	0	N/A		

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Permit Citation /SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	Newsletters: Number of newsletters distributed	0	N/A		
	Public displays (e.g., kiosks, storyboards, posters, etc.)	0	N/A		
	Radio or television Public Service Announcements (PSAs)	0	N/A		
	School presentations: Number conducted	0	N/A		
	School presentations: Number of participants	0	N/A		
	Seminars/Workshops: Number conducted	0	N/A		
	Seminars/Workshops: Number of participants	0	N/A		
	Special events: Number conducted		N/A		
	Special events: Number of participants		N/A		
	Storm sewer inlets newly marked/replaced		N/A		
	Web Site: Number of visitors to the stormwater-related pages		N/A		
Part III.A.7.g	**Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage**				
	Annually review (and revise, as needed) and implement the permittee's written procedures to reduce or eliminate sanitary wastewater contamination into the MS4, including discharges to the MS4 from sanitary sewer overflows (SSOs) and from inflow / infiltration from collection / transmission systems and/or septic tank systems. Advise the appropriate utility owner of a violation if constituents common to wastewater contamination are discovered in the MS4. Report on the type and number of activities undertaken to reduce or eliminate SSOs and inflow/ infiltration, the number of SSOs or inflow / infiltration incidents found and the number resolved, and the name of the owner of the sanitary sewer system within the permittee's jurisdiction. *DEP Note: The permittee needs to "customize" this section as it pertains to the type of activities undertaken to reduce or eliminate SSOs and inflow / infiltration into the MS4. The first three reporting items below are examples.* *DEP Note: The permittee should contact the appropriate authorities for accurate reporting information, such as the sanitary sewer system operator who is responsible for investigating and eliminating SSOs and the local health department who is responsible for permitting / overseeing septic tank systems.* *DEP Note: Report only the SSOs and inflow / infiltration incidents into the MS4.*				
	Activity to reduce/eliminate SSOs and inflow / infiltration: Repair / lining of sanitary sewer system	0	Code Enforcement Energov Software Database	Building Department	0
	Activity to reduce/eliminate SSOs and inflow / infiltration: Septic systems removed	0	Code Enforcement Energov Software Database	Building Department	0
	Activity to reduce/eliminate SSOs and inflow / infiltration: Emergency generator added	1	"Illicit Discharges FY 2012" hard copies in NPDES file cabinet at Building Department	Building Department	1
	SSO incidents discovered	1	Code Enforcement Energov Software Database	Building Department	1

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Permit Citation /SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	SSO incidents resolved	2	Code Enforcement Energov Software Database	Building Department	
	Inflow / infiltration incidents discovered	1	Excel spreadsheet "Illicit Discharges FY 2011" on city Y drive and hard copies in NPDES file cabinet at Building Department	Building Department	
	Inflow / infiltration incidents resolved	1	Code Enforcement Energov Software Database	Building Department	
	Name of owner of the sanitary sewer system	Palm Beach County Water Utility Department			
Part III.A.8.a	**Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections**				

Continue to maintain an up-to-date inventory of all existing high risk facilities discharging into the permittee's MS4. The inventory shall identify the outfall and surface water body into which each high risk facility discharges. For the purposes of this permit, high risk facilities include:

- operating municipal landfills;
- hazardous waste treatment, storage, disposal and recovery facilities;
- facilities that are subject to EPCRA Title III, Section 313 (also known as the Toxics Release Inventory (TRI) maintained by the U.S. EPA); and
- any other industrial or commercial discharge that the permittee determines is contributing a substantial pollutant loading to the permittee's MS4. This could include facilities identified through the proactive inspection program as per Part III.A.7.c of the permit.

Report on the high risk facilities inventory, including the type and total number of high risk facilities and the number of facilities newly added each year.

DEP Note: The TRI is updated every spring / summer by the U.S. EPA at www.epa.gov/triexplorer. Select "Facility" on the left, chose your Geographic Location, and select "Generate Report."

DEP Note: The total number of high risk facilities reported needs to equal the sum of the numbers of the four types of facilities.

During Year 1 of the permit, develop and implement a written plan for conducting inspections of high risk facilities to determine compliance with all appropriate aspects of the stormwater program. While the permittee may determine the order and frequency of the inspections, the permittee shall inspect each identified facility at least once during the permit term; however, facilities identified as high risk due to the findings of the proactive inspection program as per Part III.A.7.c of the permit shall be inspected annually. Report on the high risk facilities inspection program, including the number of inspections conducted and the number and type of enforcement actions taken.

DEP Note: If "0" is reported in Column C for the number of inspections conducted and the permittee has one or more high risk facilities, please provide an explanation in Column F for why no inspections were conducted. In addition, the permittee should re-word the "NOVs / warning letters / citations issued" reporting item to more accurately reflect its particular initial enforcement activity, if necessary.

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A.	B.					C.	D.	E.	F.
Permit Citation /SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**					**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
		Number of Facilities	**Number of Inspections**	**For violations discovered during a high risk inspection**					
				Notices of Violation (NOVs) / warning letters / citations issued	**Fines issued**				
	Total high risk facilities	**0**	**0**					Not Applicable to the City of Greenacres. See EPA's Facility Report for Palm Beach County	
	New high risk facilities added to the inventory during the current reporting period	**0**	**0**						
	Operating municipal landfills	**0**	**0**						
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	***0***	**0**						
	EPCRA Title III, Section 313 facilities (that are not landfills or HWTSDR facilities)	**0**	**0**						
	Facilities determined as high risk by the permittee through the proactive inspections as per Part III.A.7.c	**0**	**0**						
	Other facilities determined as high risk by the permittee (that are <u>not</u> facilities identified through the proactive inspections)	**0**	**0**						
Part III.A.8.b	**Industrial and High-Risk Runoff — Monitoring for High Risk Industries**								
	Sampling of the discharge to the stormwater system may be required on an as-needed basis in the event that inspections of high-risk facilities disclose suspected illicit discharges to the MS4. New high-risk industrial facilities as defined in 40 CFR 122.26(d)(2)(iv)(C) must be evaluated to determine if the new discharge is contributing a substantial pollutant load to the MS4. The evaluation may include site-specific monitoring. Report the number of high risk facilities sampled.								
	High risk facilities sampled					Not Applicable to the City of Greenacres; none located within the City			
Part III.A.9.a	**Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices**								
	Continue to implement the local codes or land development regulations and the written pre-construction site plan review procedures that require the use and maintenance of appropriate structural and non-structural erosion and sedimentation controls during construction to reduce the discharge of pollutants to the MS4. Report the number of permittee and private pre-construction site plans <u>reviewed for stormwater, erosion, and sedimentation controls</u>, and the number approved. *<u>DEP Note:</u> Please provide an explanation in Column F for any "0" reported in Column C.*								
	PERMITTEE SITES: Construction site plans reviewed					1	AS400 Permit Module software and hard copies kept in the NPDES file cabinet at Building department	Building Department	
	PERMITTEE SITES: Construction site plans approved					1	AS400 Permit	Building	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	**B.**	**C.**	**D.**	**E.**	**F.**
Permit Citation /SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
			Module software and hard copies kept in the NPDES file cabinet at Building department	Department	
	PRIVATE SITES: Construction site plans reviewed	2	AS400 Permit Module software and hard copies kept in the NPDES file cabinet at Building department	Building Department	
	PRIVATE SITES: Construction site plans approved	2	AS400 Permit Module software and hard copies kept in the NPDES file cabinet at Building department	Building Department	
	Annually review (and revise, as needed) and implement the permittee's written procedures to notify all new development / redevelopment permit applicants of the need to obtain all required stormwater permits. Report the number of new development/redevelopment permit applicants notified of the ERP and CGP, and the number of applicants who confirmed ERP and CGP coverage. *DEP Note: Please provide an explanation in Column F for any "0" reported in Column C.*				
	Notified of ERP stormwater permit requirements	4	Planning/ Engineering staff reports	Planning/ Engineering Department	An abandoned job was re-notified, new contractor
	Confirmed ERP coverage	5		Planning/Engineering Department	1 Job not started
	Notified of CGP stormwater permit requirements	4	Land Development Staff Reports	Building Department	
	Confirmed CGP coverage	5	SW permits in the AS400 Permit Module software and hard copies kept in the NPDES file cabinet at Building department	Building Department	New developments notified during Planning Department's site plan process, the developments were not in for building permits during this reporting period.

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	**B.**	**C.**	**D.**	**E.**	**F.**
Permit Citation /SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
Part III.A.9.b	**Construction Site Runoff — Inspection and Enforcement**				
	As an attachment to the Year 1 Annual Report, the permittee shall submit a written plan that details the standard operating procedures for implementation of the stormwater, erosion and sedimentation inspection program for construction sites discharging stormwater to the MS4. The permittee shall implement the plan for inspecting construction sites immediately upon written approval by the Department. Prior to Department approval, the permittee shall continue to perform inspections in accordance with its previously developed construction site inspection procedures. Report on the inspection program for privately-operated and permittee-operated construction sites, including the number of active construction sites during the reporting year, the number of inspections of active construction sites, the percentage of active construction sites inspected, and the number and type of enforcement actions / referrals taken. *DEP Note: If "0" is reported in Column C for the number of inspections conducted, please provide an explanation in Column F of why no inspections were conducted. In addition, the permittee should re-word the "NOVs / warning letters / citations issued" reporting item to more accurately reflect its particular initial enforcement activity, if necessary.* *DEP Note: Refer to Part III.A.9.b of the permit for what must be included in the construction site inspection program plan. Please provide the title of the attached plan in Column D and the name of the entity who finalized the plan in Column E.*				
	PERMITTEE SITES: Active construction sites	1	AS400 Permit Module software and hard copies in NPDES file cabinet at Building department	Building Department	
	PERMITTEE SITES: Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs	1	AS400 Permit Module software and hard copies in NPDES file cabinet at Building department	Building Department	
	PRIVATE SITES: Active construction sites	6	AS400 Permit Module software and hard copies in NPDES file cabinet at Building department	Building Department	
	PRIVATE SITES: Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs	27	AS400 Permit Module software and hard copies in NPDES file cabinet at Building department	Building Department	low construction activity and sites stabilized
	Notices of Violation (NOVs) / warning letters / citations issued	0	AS400 Permit Module software and hard copies in	Building Department	Very low construction activity and sites

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A. Permit Citation /SWMP Element	**B. Permit Requirement/Quantifiable SWMP Activity**	**C. Number of Activities Performed**	**D. Documentation / Record**	**E. Entity Performing the Activity**	**F. Comments**
			NPDES file cabinet at Building department		stabilized
	Stop Work Orders issued	0	AS400 Permit Module software and hard copies in NPDES file cabinet at Building department	Building Department	Very low construction activity and sites stabilized
	Fines issued	0	AS400 Permit Module software and hard copies in NPDES file cabinet at Building department	Building Department	Very low construction activity and sites stabilized
	Year 1 ONLY: Attach the written construction site inspection program plan		N/A- Year 2		
Part III.A.9.c	**Construction Site Runoff — Site Operator Training**				
	During Year 1 of the permit, develop and implement a written plan for stormwater training / outreach for construction site plan reviewers, site inspectors and site operators. Provide training for permittee personnel (employed by or under contract with the permittee) and private persons involved in the site plan review, inspection or construction of stormwater management, erosion, and sedimentation controls. All inspectors of construction sites shall be certified through the Florida Stormwater, Erosion, and Sedimentation Control Inspector Training program, or an equivalent program approved by the Department. Follow-up training shall be provided annually. Report the number and type of training activities, the number of inspectors, site plan reviewers and site operators trained (both in-house and outside training), and the number of private persons trained by the permittee *DEP Note: If "0" is reported for any of these reporting items, please include in Column F an explanation of why training was not provided to / obtained by the permittee's staff and private persons during the applicable reporting year*. *DEP Note: The permittee should report only the number of staff and private persons (i.e., private construction site operators) trained / certified during the applicable reporting year, and then note in Column F the number of staff and private persons who were previously trained / certified.*					
	Certification Training	**Initial Training (non-certification)**	**Refresher Training**				
	Permittee construction site inspectors	**0**	**0**	**5**	Staff meeting agenda, copies kept in Building department X drive staff meeting folder	Building Department	3 inspectors and 2 permit techs are currently certified and refresher training. Presentations from State and

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE								
A.	**B.**				**C.**	**D.**	**E.**	**F.**
Permit Citation /SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**				**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
								Federal websites have been viewed during staff meetings
	Permittee construction site plan reviewers	**0**	**0**	**1**		Staff meeting agenda, copies kept in Building department X drive staff meeting folder	Building Department	Building Official is the plan reviewer and is currently certified and will seek refresher Presentations from State and Federal websites have been viewed during staff meetings training.
	Permittee construction site operators	**0**	**0**	**0**			Building Department	Very low construction activity
	Private persons	**0**	**0**				Building Department	

SECTION VIII. CHANGES TO THE STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES (Not Applicable In Year 4)		
A.	**Permit Citation/ SWMP Element**	**Proposed Changes to the Stormwater Management Program Activities Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change) — REQUIRES DEP APPROVAL PRIOR TO CHANGE IF PROPOSING TO REPLACE OR DELETE AN ACTIVITY.**
		There are no changes to the **proposed Changes to the Stormwater Management Program Activities.**
B.	**Permit Citation/ SWMP Element**	**Changes to the Stormwater Management Program Activities NOT Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change)**

CHECKLIST A: ATTACHMENTS TO BE SUBMITTED WITH THE ANNUAL REPORTS

Below is a list of items required by the permit that may need to be attached to the annual report. Please check the appropriate box to indicate whether the item is attached or is not applicable for the current reporting period. Please provide the number and the title of the attachments in the blanks provided.

Attached	N/A	Rule / Permit Citation	Required Attachment	Attachment Number	Attachment Title
☐	☒	Part II.F	**EACH ANNUAL REPORT:** If program resources have decreased from the previous year, a discussion of the impacts on the implementation of the SWMP.		
☐	☒	Part III.A.1	**EACH ANNUAL REPORT:** An explanation of why the minimum inspection frequency in Table II.A.1.a was not met, if applicable.		
☐	☒	Part III.A.4	**EACH ANNUAL REPORT:** A list of the flood control projects that did not include stormwater treatment and an explanation for each of why it did not, if applicable.		
☐	☒	Part III.A.7.a	**EACH ANNUAL REPORT:** A report on amendments / changes to the legal authority to control illicit discharges, connections, dumping, and spills, if applicable.		
☐	☒	Part V.B.9	**EACH ANNUAL REPORT:** Reporting and assessment of monitoring results. **[Also addressed in Section III of the Annual Report Form]**		
☒	☐	Part VI.B.2	**EACH ANNUAL REPORT:** An evaluation of the effectiveness of the SWMP in reducing pollutant loads discharged from the MS4 that, at a minimum, must include responses to the questions listed in the permit.	1	SWP Effectiveness
☐	☒	Part VIII.B.3.e	**EACH ANNUAL REPORT:** A status report on the implementation of the requirements in this section of the permit and on the estimated load reductions that have occurred for the pollutant(s) of concern.		
☐	☒	Part VIII.B.4.f	**EACH ANNUAL REPORT after approval of the BPCP:** The status of the implementation of the Bacterial Pollution Control Plan (BPCP).		
☐	☒	Rule 62-624.600(2)(a), FAC	**YEAR 1:** An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM).		
☐	☒	Part III.A.3	**YEAR 1:** If have curbs and gutters but no street sweeping program, an explanation of why no street sweeping program and the alternate BMPs used or planned.		
☒	☐	Part III.A.6	**YEAR 1 or YEAR 2:** A copy of the adopted Florida-friendly Ordinance, if	2	Ordinance 2012-20
☐	☒	Part III.A.7.c	**YEAR 1:** A proactive illicit discharge / connection / dumping inspection program		
☐	☒	Part III.A.9.b	**YEAR 1:** A construction site inspection program plan. **[For approval by DEP]**		
☒	☐	Part II.A	**YEAR 2:** Stormwater Management Program (SWMP)	3A through 3Z	Includes written SOP's, inspection checklists, supporting legal authority, MS4 inventory, copies of supporting legal authority, outfall map with contributing areas
☒	☐	Part III.A.2	**YEAR 2:** A summary report of a review of codes and regulations to reduce the stormwater impact from new development / redevelopment.	4	Land Development Regulation and Code Review Summary Report
☐	☒	Part V.A.2	**YEAR 3:** Estimates of annual pollutant loadings and EMCs, and a table comparing the current calculated loadings with those from the previous two Year 3 ARs.		
☐	☒	Part III.A.2	**YEAR 4:** A follow-up report on plan implementation of changes to codes and regulations to reduce the stormwater impact from new development /		
☐	☒	Part V.A.3	**YEAR 4:** If the total annual pollutant loadings have not decreased over the past two permit cycles, revisions to the SWMP, as appropriate.		
☐	☒	Part V.B.3	**YEAR 4:** The monitoring plan (with revisions, if applicable).		

☐	☒	Part VII.C	**YEAR 4:** An application to renew the permit.		
☐	☒	Part VIII.B.3.d	**YEAR 4:** A TMDL Implementation Plan / Supplemental SWMP.		

CHECKLIST OF ADDITIONAL ATTACHMENTS FOR NEW PERMITTEES TO BE SUBMITTED WITH THE YEAR 1 ANNUAL REPORT

Below is a list of **additional** items required by the permit to be submitted with the Year 1 Annual Report **by the new permittees ONLY**. Please enter the number and the title of the attachments in the blanks provided.

Attached	Rule / Permit Citation	Required Attachment	Attachment Number	Attachment Title
☐	Part III.A.3	**YEAR 1:** A description of the litter control program.		N/A
☐	Part III.A.7.a	**YEAR 1:** Copies of the legal authorities that allow the permittee to control illicit discharges into the MS4, and to require compliance with stormwater BMPs in permits, contracts, and orders.		N/A
☐	Part III.A.7.c	**YEAR 1:** A description of the reactive illicit discharge / connection / dumping investigation program.		N/A
☐	Part III.A.9.a	**YEAR 1:** Copies of the legal authorities and a detailed description of the program for: construction site plan review; inspection of active construction sites; and training to certify municipal inspectors in stormwater, sedimentation, and erosion control.		N/A

REMINDER LIST OF THE TMDL / BMAP REPORTS TO BE SUBMITTED SEPARATELY FROM AN ANNUAL REPORT

Rule / Permit Citation	Report Title	Due Date
Part VIII.B.3.a	**6 MONTHS from effective date of permit:** TMDL Prioritization Report	N/A
Part VIII.B.3.b	**12 MONTHS from effective date of permit:** TMDL Monitoring and Assessment Plan	N/A
Part VIII.B.3.c	**6 MONTHS from receiving analyses from the lab:** TMDL Monitoring Report	N/A

CHECKLIST OF THE REQUIRED ANNUAL REVIEWS OF WRITTEN STANDARD OPERATING PROCEDURES (SOPs) & PLANS

The permit requires annual review, and revision if needed, of written Standard Operating Procedures (SOPs) and plans (e.g., public education and outreach, training, inspections). Please indicate your review status below. **If you have made revisions that need DEP approval, you must complete Section VIII.A of the annual report.**

Did not complete review of existing SOP / Plan	Developed new written SOP / Plan	Reviewed & no revision needed to existing SOP / Plan	Reviewed & revised existing SOP / Plan	Permit Citation	Description of Required SOPs / Plans
☐	☐	☐	☒	Part III.A.1	SOP and/or schedule of inspections and maintenance activities of the structural controls and roadway stormwater collection system
☐	☐	☐	☒	Part III.A.2	SOP for development project review and permitting procedures and/or local codes and regulations for new development / areas of significant development
☐	☐	☐	☒	Part III.A.3	SOP for the litter control program
☐	☐	☒	☐	Part III.A.3	SOP for the street sweeping program
☐	☐	☐	☒	Part III.A.3	SOP for inspections of equipment yards and maintenance shops that support road maintenance activities
☐	☐	☒	☐	Part III.A.5	SOP for inspections of waste treatment, storage, and disposal facilities not covered by an NPDES stormwater permit
☐	☐	☒	☐	Part III.A.6	Plan for public education and outreach on reducing the use of pesticides, herbicides, and fertilizer
☐	☐	☒	☐	Part III.A.6	Plan for pesticide, herbicide, and fertilizer application training
☐	☐	☒	☐	Part III.A.6	SOP for pesticide, herbicide, and fertilizer application
☐	☐	☒	☐	Part III.A.7.c	Plan for proactive illicit discharge / connections / dumping inspections*
☐	☐	☒	☐	Part III.A.7.c	SOP for reactive illicit discharge / connections / dumping investigations
☐	☐	☒	☐	Part III.A.7.c	Plan for illicit discharge training
☐	☐	☒	☐	Part III.A.7.d	SOP for spill prevention and response efforts
☐	☐	☒	☐	Part III.A.7.d	Plan for spill prevention and response training
☐	☐	☒	☐	Part III.A.7.e	Plan for public education and outreach on how to identify and report the illicit discharges and improper disposal to the MS4
☐	☐	☒	☐	Part III.A.7.f	Plan for public education and outreach on the proper use and disposal of oils, toxics, and household hazardous waste
☐	☐	☒	☐	Part III.A.7.g	SOP to reduce / eliminate sanitary wastewater contamination of the MS4
☐	☐	☒	☐	Part III.A.8	SOP for inspections of high risk industrial facilities
☐	☐	☒	☐	Part III.A.9.a	SOP for construction site plan review for stormwater, erosion and sedimentation controls, and ERP and CGP coverage
☐	☐	☒	☐	Part III.A.9.b	Plan for inspections of construction sites*
☐	☐	☒	☐	Part III.A.9.c	Plan for stormwater, erosion and sedimentation BMPs training

*** Revisions to these plans require DEP approval.**

SITE REPORT FORM
GREAT AMERICAN CLEANUP

Please complete all that apply after your event.

DATE OF EVENT: _____

EVENT DESCRIPTION: _____

SITE LOCATION: _____

SITE COORDINATOR: _____

NUMBER OF VOLUNTEERS: _____ Average Hours that each volunteer worked _____

ESTIMATED WEIGHT (LBS) OF LITTER, DEBRIS & BULKY WASTE COLLECTED _____

ESTIMATED WEIGHT (LBS) OF RECYLCED MATERIALS (BOTTLES AND CANS) _____

_____MILES OR _____ACRES of (STREETS, ROADS, LAKES, NEIGHBORHOOD, BEACHES, PARKS etc.) CLEANED INDICATE TYPE _____

NUMBER OF TIRES COLLECTED _____

PLEASE LIST ANY UNUSUAL ITEMS PICKED UP: _____

_____

_____

NUMBER OF TREES OR OTHER LANDSCAPE MATERIAL PLANTED
(Please note type and quantity)

_____

_____

_____

PLEASE NOTE OTHER ACTIVITIES AND NUMBERS BELOW:

(SUCH AS NUMBER OF COMMUNITY BUILDINGS OR HOMES PAINTED, GRAFFITI REMOVED, ETC.)

_____

_____

_____

_____

Return to KPBCB or Fax to 561-686-6642

SITE COORDINATOR REPORT

2012 International COASTAL CLEANUP

*Site Coordinators should complete this form – **2 pages***

Name: ***CITY OF GREENACRES*** Telephone: ***561-642-2061***

Street Address: ***5800 MELALEUCA LANE***

City, State, Zip: ***GREENACRES, FL 33463***

Site Name: ***CITY OF GREENACRES*** County: ***PALM BEACH***

SITE INFORMATION

	Land/Coastal Cleanup	***Underwater Cleanup***	***TOTAL***
Number of Volunteers:	***46***		***46***
Weight of Debris* Collected:	***915***		
Miles Cleaned:			

Number of filled trash bags*: ***61***

Amount of Monofilament Line found/recovered: _____ (estimate in lbs.)

** These totals should represent the combined information for trash as well as recyclables. Refer to note on back for weight tabulation details.*

LOCATION OF CLEANUP SITE *(please circle all that apply)*:

Ocean | On Bay, Sound or Lagoon | River | Mouth of River

Underwater | On a Lake | Other *(specify)*: GREENACRES ORIGINAL SECT

TYPE OF COAST *(please circle all that apply)*:

Sandy | Mangroves | Marsh (grasses) | Dunes

Reef | Artificial Reef | Other (*specify*): SWALES, STORM DRAINS

POTENTIAL SOURCES OF DEBRIS *(please circle all that apply)*:

Shipping Port | Marina or Dock | Fishing Pier/Bridge | Beach Users

Drainage Pipe | Recreational Boaters | Beach Restaurant/Concession | Other

THE OCEAN CONSERVANCY

SITE COORDINATOR REPORT

2011 International COASTAL CLEANUP

ENTANGLED ANIMALS: Please examine datacards to prevent duplicate reports of stranded and/or entangled animals. Note which animals were found entangled and if any were alive and rescued.

N/A

UNUSUAL ITEMS: List any unusual or peculiar items found.

N/A

OTHER COMMENTS:

N/A

****NOTE FOR CALCULATING TOTAL WEIGHT***

Your waste hauler may be able to give you the total weight of the debris hauled away (either a real weight or an accurate estimate based on the number of filled dumpsters or roll-offs). Some Site Coordinators secure a small scale and weigh the trash themselves (you can use a supermarket scale or one used by a recycler).

Another way to estimate your total weight is to weigh a random sample of 10 filled bags of trash, calculating the average weight per bag, and multiplying that number by the total number of filled trash bags.

THE OCEAN CONSERVANCY

City of Greenacres Annual NPDES Report
Section IV- Fiscal Analysis
Total Expenditures for FY 2012 Report (Phase III Year 2 Report)

Acct #	Account Name	Monies Spent		
	Stormwater System Maintenance* (2 Maint.Workers)	$112,153.60	**$26.96 hrly**	2080 hrs
	Stormwater System Maintenance* (R & D Supervisor)	$17,617.60	**$33.88 hrly**	520 hrs
	Program Management (Public Works Director)	$10,256.48	**$49.31 hrly**	208 hrs
40-42-34-2	Aquatic Weed Control	$2,385.00		
40-42-53-1	Roads & Bridges	$13,184.75		
40-42-53-3	NPDES Permit Administration	$17,827.18		
	GIS Maps (revisions, updates, etc..	$6,300.00		
	Building Dept (staff inspections, reviews, etc.)	$4,100.00		
	P & E Dept (staff inspections, reviews,contractual, etc.)	$0.00		
	Expenses related to contractual plan reviews and design	$21,922.00		
	Capital Improvement Projects (Proj. #152)	$45,146.34		
	Total:	**$250,892.95**		

City of Greenacres Annual NPDES Report
Section IV- Fiscal Analysis
Total Expenditures for FY 2013 Report (Phase III Year 3 Report)

Acct #	Account Name	Monies Spent		
	Stormwater System Maintenance* (2 Maint.Workers)	$114,400.00	**$27.50 hrly**	2080 hrs
	Stormwater System Maintenance* (R & D Supervisor)	$17,971.20	**$34.56 hrly**	520 hrs
	Program Management (Public Works Director)	$10,462.40	**$50.30 hrly**	208 hrs
40-42-34-2	Aquatic Weed Control	$2,980.00		
40-42-53-1	Roads & Bridges			
40-42-53-3	NPDES Permit Administration			
	GIS Maps (revisions, updates, etc..	$6,500.00		
	Building Dept (staff inspections, reviews, etc.)	$4,100.00		
	P & E Dept (staff inspections, reviews,contractual, etc.)	$10,000.00		
	Expenses related to contractual plan reviews and design	$22,000.00		
	Capital Improvement Projects (Proj. #152 and 156)	$731,092.66		
	Total:	**$919,506.26**		

City of Greenacres
Reporting Period: October 1, 2011 to September 30, 2012
Attachment _1___
SWMP Effectiveness

Year 2 Report

In accordance with Part VI.B.2.:

- The ANNUAL REPORT shall include as an attachment an evaluation of the effectiveness of the permittee's SWMP in reducing pollutant loads discharged from the MS4. At a minimum, the permittee shall attach to the ANNUAL REPORT an explanation of how its SWMP is addressing each of the following:

1. Have stormwater pollutant loadings discharged from the MS4 decreased? Why or why not? The pollutant loadings discharged have not been change from the previous reporting period. The City's storm sewer system has not been altered for increase or decreases.

2. Which components of the SWMP are working well and are effective in reducing stormwater pollutant loadings? Why are they effective? The components are all monitored for maintenance purposes.

3. Which components of the SWMP are not working well and need to be revised to make them more effective in reducing stormwater pollutant loadings? The City has not identified any components that are not working well.

4. Which components of the SWMP do not contribute to reducing stormwater pollutant loads and could be revised or eliminated, and why? The City has not identified any components that are do not contribute to reducing storm water pollutant loads

5. Is the monitoring program providing data that can be used to assess the effectiveness of the SWMP in reducing stormwater pollutant loadings, assess the effectiveness of specific BMPs, and determine where stormwater retrofitting projects should be prioritized for implementation? No, the monitoring program is not providing that sort of data.

The evaluation is expected to be subjective and is intended to lead the permittee to consider which programs deserve more or less attention.

Attachment 2

ORDINANCE NO. 2012-20

AN ORDINANCE ADOPTED BY THE CITY COUNCIL OF THE CITY OF GREENACRES, FLORIDA, AMENDING CHAPTER 7 OF THE CITY CODE TO ADD ARTICLE V FLORIDA FRIENDLY FERTILIZER USE; PROVIDING FOR PURPOSE AND INTENT; PROVIDING FOR DEFINITIONS; PROVIDING FOR APPLICABILITY; PROVIDING FOR TIMING OF FERTILIZER APPLICATIONS; PROVIDING FOR FERTILIZER FREE ZONES; PROVIDING FOR FERTILIZER CONTENT AND APPLICATION RATES; PROVIDING FOR FERTILIZER APPLICATION PRACTICES; PROVIDING FOR MANAGEMENT OF GRASS CLIPPINGS AND VEGETATIVE MATTER; PROVIDING FOR EXEMPTIONS; PROVIDING FOR TRAINING; PROVIDING FOR LICENSING OF COMMERCIAL APPLICATORS; PROVIDING FOR ENFORCEMENT; PROVIDING FOR PENALTIES; PROVIDING FOR REPEAL OF CONFLICTING ORDINANCES; PROVIDING FOR SEVERABILITY; PROVIDING FOR INCLUSION IN THE CODE; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS; pursuant to section 303(d) of the Federal Clean Water Act and the resulting Florida Impaired Waters Rule (Chapter 62-303, Florida Administrative Code), the Florida Department of Environmental Protection (FDEP) has classified specific water bodies in Palm Beach County as “impaired” as a result of the presence of excessive nutrients; and

WHEREAS; Florida Statue, Section 403.9337 requires local governments located within the watershed of a water body or water segment that is listed as impaired by nutrients pursuant to § 403-067, to adopt an ordinance for Florida-Friendly™ fertilizer use on urban landscapes; and

WHEREAS; the FDEP on the 2nd day of March 2011, issued its Palm Beach County Municipal Separate Storm Sewer System Permit No. FLS 000018-003 (hereinafter referred to as the “MS4 Permit”) to forty-one (41) governmental entities including the City of Greenacres; and

WHEREAS; the MS4 permit requires local governments within the watershed of an impaired water body to adopt FDEP’s Model Ordinance for Florida Friendly Fertilizer Use

on Urban Landscapes or an Ordinance that includes all the requirements set forth in the Model Ordinance; and

WHEREAS; surface water runoff and base flow runoff leaves residential neighborhoods, commercial centers, industrial areas, and other lands of Palm Beach County and enters into natural and artificial stormwater and drainage conveyances and natural water bodies in Palm Beach County; and

WHEREAS; phosphorus and nitrogen, the primary nutrients associated with the degradation of surface water, are commonly the primary components of fertilizer for turf and landscape application; and

WHEREAS; the quality of streams, lakes, and wetlands is important to environmental, economic, and recreational prosperity and to the health, safety, and welfare of the residents of Greenacres; and

WHEREAS; algae blooms and accelerated growth of aquatic weeds in Palm Beach County's water bodies have heightened community concerns about water quality and eutrophication of surrounding waters; and

WHEREAS; it is generally recognized that Eastern Palm Beach County soils naturally have adequate phosphorus content for most vegetative needs and that additional phosphorus is therefore only occasionally needed to create or maintain a vibrant landscape; and

WHEREAS; it has been recognized that proper application of slow-release nitrogen sources is more efficiently used by plants and less likely to leach or runoff; and

WHEREAS; this Ordinance is part of a regulatory program to address nonpoint sources of nutrient pollution which is scientifically based, and economically and technically feasible; and

WHEREAS; as a result of the Florida Department of Environmental Protection's determination that certain water bodies within Palm Beach County are impaired by excessive nutrient levels, the City Council of Greenacres finds that the best management practices contained in the most recent edition of the *"Florida-Friendly Best Management Practices for Protection of Water Resources by the Green Industries"*, are necessary to protect the health, safety and welfare of the residents of Greenacres.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF GREENACRES, FLORIDA, AS FOLLOWS:

Section 1. Chapter 7 Health, Sanitation and Nuisances of the Code of Ordinances of the City of Greenacres is hereby amended to adopt a new Article V entitled "Florida Friendly Fertilizer Use" as follows:

Secs. 7-107 – 7-149 Reserved.

ARTICLE V. FLORIDA FRIENDLY FERTILIZER USE

Sec. 7-150 Purpose and Intent.

This Article requires the use of Best Management Practices for the application of fertilizer to minimize negative environmental effects associated with excessive nutrients in water bodies. These environmental effects have been observed in and on Palm Beach County's natural and constructed stormwater conveyances, canals, lakes, estuaries and other water bodies. Collectively, these water bodies are an asset important to the environmental, recreational, cultural and economic well-being of Greenacres' residents and the health of the public. Overgrowth of algae and vegetation hinder the effectiveness of flood attenuation provided by natural and constructed stormwater conveyances. Regulation of nutrients, including both phosphorus and nitrogen contained in fertilizer, is anticipated to help improve and maintain water and habitat quality.

Sec. 7-151 Definitions.

For this Ordinance, the following terms shall have the meanings set forth in this section unless the context clearly indicates otherwise.
"Application" or "Apply" means the actual physical deposition of fertilizer to turf or landscape plants.
"Applicator" means any person who applies fertilizer on turf and/or landscape plants.
"Approved Test" means a soil test from the University of Florida, government, or other commercial licensed laboratory that regularly performs soil testing and recommendations.
"Best Management Practices (BMP's)" means turf and landscape practices or combination of practices based on research, field-testing, and expert review, determined to be the most

effective and practical site-specific means, including economic and technological considerations, for improving water quality, conserving water supplies and protecting natural resources.

"Code Enforcement Officer", "Official", or "Inspector" means any designated employee or agent of Greenacres whose duty is to enforce codes and ordinances enacted by Greenacres.

"Commercial Applicator" except as provided in section 482.1562(9), F.S., means any person who applies fertilizer for payment or other consideration to property not owned by the person or firm applying the fertilizer or the employer of the applicators.

"Fertilizing" or "Fertilization" means the act of applying fertilizer to turf, specialized turf, or landscape plants.

"Fertilizer" means any substance or mixture of substances that contains one or more recognized plant nutrients and which promotes plant growth, controls soil acidity or alkalinity, provides other soil enrichment, or provides other corrective measures to the soil.

"Institutional Applicator" means any person, other than a private person applying fertilizer on their own residential property or a Commercial Applicator (unless such definitions also apply under the circumstances), that applies fertilizer for the purpose of maintaining turf and/or landscape plants. Institutional Applicators shall include, but shall not be limited to, owners, managers, or employees of public lands, schools, parks, religious institutions, utilities, industrial or business sites and any residential properties maintained in condominium and/or common ownership.

"Landscape Plant" means any native or non-native tree, shrub, or groundcover (excluding turf).

"Pasture" means land managed for livestock grazing.

"Person" means any natural person, business, corporation, limited liability company, partnership, limited partnership, association, club, organization, and/or any group of people acting as an organized entity.

"Prohibited Application Period" means the time period during which application of fertilizer is prohibited due to the potential to negatively impact the environment.

"Saturated Soil" means a soil in which the voids are filled with water. Saturation does not require flow. For the purposes of this Article, soils shall be considered saturated if standing water is present or the pressure of a person standing on the soil causes the release of free water.

"Slow-Release" means nitrogen in a form which delays its availability for vegetative uptake and use after application, or which extends its availability to the vegetation longer than a reference rapid or quick release product. It includes the terms "Controlled Release", "Timed Release", "Slowly Available" and "Water Insoluble Nitrogen".

"Turf" means an area of grass-covered soil held together by the roots of the grass and includes the terms "Sod" and "Lawn".

"Urban Landscape" means pervious areas on residential, commercial, industrial, institutional, road rights-of-way, or other nonagricultural lands that are planted with turf or landscape plants. For the purposes of this section, agriculture has the same meaning as provided in section 570.02, Florida Statutes.

Sec. 7-152 Applicability.

This Article shall be applicable to and shall regulate any and all applicators of fertilizer and areas of application of fertilizer to urban landscapes within the city boundary, unless such application is specifically exempted by Sec. 7-158 of this Article.

Sec. 7-153 Timing of Fertilizer Applications.

(1) No applicator shall apply fertilizers containing nitrogen and/or phosphorus to turf and/or landscape plants during the time period in which a Flood Watch or Warning, a Tropical Storm Watch or Warning, or a Hurricane Watch or Warning is in effect for any portion of Greenacres, issued by the National Weather Service.
(2) No applicator shall apply fertilizers containing nitrogen and/or phosphorus to turf and/or landscape plants if heavy rain [2 inches or more within a twenty-four (24) hour period] is likely.
(3) No applicator shall apply fertilizers containing nitrogen and/or phosphorus to saturated soils.
(4) Fertilizer containing nitrogen and/or phosphorus shall not be applied before seeding or sodding a site, and shall not be applied for the first thirty (30) days after seeding or sodding, except when hydro-seeding for temporary or permanent erosion control in an emergency situation (wildfire, etc), or in accordance with the Stormwater Pollution Prevention Plan for the site.

Sec. 7-154 Fertilizer Free Zones.

Fertilizer shall not be applied within ten (10) feet of any pond, stream, water body, lake, canal, or wetland as defined by the Florida Department of Environmental Protection in Chapter 62-340, Florida Administrative Code or from the top of a seawall or lake bulkhead. Newly planted turf or landscape plants may be fertilized in this zone only for a sixty (60) day period beginning no sooner thirty (30) days after planting if needed to allow the vegetation to become well established. Caution shall be used to prevent direct deposition of fertilizer into the water.

Sec. 7-155 Fertilizer Content and Application Rates.

(1) Fertilizers applied to turf shall be applied in accordance with requirements and directions provided by Rule 5E-1.003(2), Florida Administrative Code, *Labeling Requirements For Urban Turf Fertilizers.* Under Rule 5E-1.003(2), Florida Administrative Code, required application rate and frequency maximums, which vary by plant and turf types, are found on the labeled fertilizer bag or container.
(2) Nitrogen or phosphorus fertilizer shall not be applied to turf or landscape plants except as provided in section (1) above for turf, or in UF/IFAS recommendations for landscape plants, vegetable gardens, and fruit trees and shrubs, unless a soil or tissue deficiency has been verified by an approved test.
(3) Fertilizer used for sports turf at golf courses shall be applied in accordance with the recommendations in "Best Management Practices for the Enhancement of Environmental Quality on Florida Golf Courses", published by the Florida Department of Environmental Protection, dated January 2007, as may be amended. Fertilizer used at park or athletic fields shall be applied in accordance with Rule 5E-1.003(2), Florida Administrative Code.

Sec. 7-156 Fertilizer Application Practices.

(1) Spreader deflector shields shall be used when fertilizing via rotary (broadcast) spreaders. Deflectors must be positioned such that fertilizer granules are deflected away from all impervious surfaces, fertilizer-free zones and water bodies, including

wetlands. Any fertilizer applied, spilled, or deposited, either intentionally or accidentally, on any impervious surface shall be immediately and completely removed to the greatest extent practicable.

(2) Fertilizer released on an impervious surface must be immediately contained and either legally applied to turf or any other legal site, or returned to the original or other appropriate container.

(3) In no case shall fertilizer be washed, swept, or blown off impervious surfaces into stormwater drains, ditches, conveyances, or water bodies.

(4) Property owners and managers are encouraged to use an Integrated Pest Management (IPM) strategy as currently recommended by the University of Florida Cooperative Extension Service publications.

Sec. 7-157 Management of Grass Clippings and Vegetative Matter.

In no case shall grass clippings, vegetative material, and/or vegetative debris intentionally be washed, swept, or blown on to or into storm-water drains, ditches, conveyances, water bodies, wetlands, sidewalks or roadways. Any material that is accidently so deposited shall be immediately removed to the maximum extent practicable.

Sec. 7-158 Exemptions.

The provisions set forth above in this Article shall not apply to:

(1) bona fide farm operations as defined in the Florida Right-to-Farm Act, Section 823.14, Florida Statutes.

(2) other properties not subject to or covered under the Florida Right-to-Farm Act that have pastures used for grazing livestock.

(3) any lands used for bona fide scientific research, including, but not limited to, research on the effects of fertilizer use on urban storm-water, water quality, agronomics, or horticulture.

Sec. 7-159 Training.

(1) All commercial and institutional applicators of fertilizer shall abide by and successfully complete the six-hour training program in the *"Florida-Friendly Best Management Practices for Protection of Water Resources by the Green Industries"* offered by the Florida Department of Environmental Protection through the University of Florida/Palm Beach County Cooperative Extension Service "Florida-Friendly Landscapes" program or an approved equivalent program.

(2) Non-commercial and non-institutional applicators not otherwise required to be certified, such as private citizens on their own residential property, are encouraged to follow the recommendations of the University of Florida/IFAS "Florida-Friendly Landscape Program" and label instructions when applying fertilizers.

Sec. 7-160 Licensing of Commercial Applicators.

(1) All businesses applying fertilizer to turf or landscape plants (including, but not limited to, residential lawns, golf courses, commercial properties, and multi-family and condominium properties) must ensure that the business owner or his/her designee and at least (1) employee holds the appropriate *"Florida-Friendly Best Management Practices for Protection of Water Resources by the Green Industries"* training certificate

prior to the business owner obtaining a City Business Tax Receipt. Standard Business Tax Receipt (BTR) and transaction fees shall apply. Owners for any category of occupation which may apply any fertilizer to Turf and/or Landscape Plants shall provide proof of completion of the program to the City of Greenacres. It is the responsibility of the business owner to maintain the *"Florida-Friendly Best Management Practices for Protection of Water Resources by the Green Industries"* certificate to receive their Business Tax Receipt annually.

(2) After December 31, 2013, all commercial applicators of fertilizer within City of Greenacres, shall have and carry in their possession at all times when applying fertilizer, evidence of certification by the Florida Department of Agriculture and Consumer Services as a Commercial Fertilizer Applicator per Rule 5E-14.117(18), Florida Administrative Code.

Sec. 7-161 Enforcement.

Any owner, owner's representative, tenant or person violating the provisions of this Article shall be subject to enforcement as provided in sections 2-72 and 2-72.1 of the City of Greenacres Code of Ordinances. The Building Official or his designee may pursue these or any other enforcement remedies available to and applicable to the City of Greenacres in order to carry out this Article.

Sec. 7-162 Penalties.

Failure to comply with the requirements of this Article shall be punishable by a fine not to exceed $250 per day for the violation or a fine not exceed $500 per day for a repeat violation, and, in addition, may include all costs of repairs and remediation including administrative costs. If the Code Enforcement Board finds the violation is irreparable or irreversible in nature, a fine not to exceed $5,000 per violation may be imposed.

Section 2. Repeal of Conflicting Ordinances.

All Ordinances or parts thereof or parts of the Code conflicting or inconsistent with the provisions of this Ordinance are hereby repealed.

Section 3. Severability.

If any section, part of a section, paragraph, sentence, clause, phrase or word of this Ordinance is for any reason held or declared to be unconstitutional, inoperative or void, such holdings of invalidity shall not affect the remaining portion of this Ordinance and it shall be construed to have been the legislative intent to pass the Ordinance without such unconstitutional, invalid or inoperative part therein, and the remainder of this Ordinance after the exclusion of such part or parts shall be deemed to be held valid as if such part or parts had not been included therein, or if this Ordinance or any of the provisions thereof

shall be held inapplicable to any person, group of persons, property, kind of property, circumstances, or set of circumstances, such holdings shall not affect the applicability thereof to any other person, property or circumstances.

Section 4. Inclusion in Code.

It is the intention of the City Council, entered as hereby ordained, that the provisions of this Ordinance shall become and be made a part of the Code of Laws and Ordinances of the City of Greenacres, Florida; that the Section(s) of this Ordinance may be renumbered or re-lettered to accomplish such intention, and that the word “ordinance” may be changed to “Section”, “Article” or another word.

Section 5. Effective Date.

Provisions of this Ordinance shall become effective five (5) days after it is adopted

Passed on the first reading this 19th day of November, 2012.

PASSED AND ADOPTED on the second reading this 3rd day of December, 2012.

Voted

Samuel J. Ferreri
Mayor

( )
Peter A. Noble
Deputy Mayor

Attest:

Denise McGrew
City Clerk

( )
John Tharp
Councilman, District I

( )
Rochelle Gaenger
Councilwoman, District III

( )
Jonathan G. Pearce
Councilman, District IV

( )
Paula Bousquet
Councilwoman, District V

Approved as to Form and Legal Sufficiency:

Pamela S. Terranova
City Attorney

CITY OF GREENACRES

Best Management Practices for Vehicle Maintenance & Repair Facility

I. INTRODUCTION

Federal regulations require stormwater protection practices to be in place in municipal operations and businesses that have the potential to pollute stormwater. Vehicle and equipment maintenance facilities are potential "hot spots" where stormwater can pick up pollutants as it flows over parking areas and streets to a storm drain. Anything entering a storm sewer system flows untreated into the water bodies use for environmental, recreational, and drinking purposes. As an example of the harm that stormwater runoff can cause, an estimated 180 million gallons of used oil is disposed improperly each year (Alameda CCWP, 1992), and a single quart of motor oil can pollute 250,000 gallons of drinking water (DNREC, 1994). Potential stormwater pollutants from vehicle repair facilities include solvents, antifreeze, brake fluid, batteries, motor oil, and fuels. These pollutants may reach stormwater as the result of leaks, spills, or improper storage or disposal.

The Vehicle Maintenance Division exists in order to provide clean, safe and well-maintained vehicles & equipment for City use. The Division also ensures that all vehicles, equipment and fuel storage facilities meet present State, industry and manufacturers standards. The Vehicle Maintenance Division provides regularly scheduled preventative maintenance to all City vehicles and equipment, and the Division also provides training on the use and application of said vehicles and equipment. The division monitors fuel systems, and manufacturer recalls, in order to remain in compliance with State, industry and manufacturer standards.

A. Purpose

This purpose of this document is to assist the City of Greenacres' vehicle maintenance facility (VM Facility) stay in compliance with environmental requirements and prevent pollution.

The VM Facility handles a wide variety of materials and wastes. Some of them can be toxic, may threaten worker safety, damage the environment, or put an entire community at risk, if improperly managed. Shop wastes can also pollute drinking water supplies if poured on the ground, down the

drain, or in a trash dumpster, or cause serious health problems if indiscriminately handled or discarded. Regardless of the amount of waste produced, it is to the facility's legal and financial advantage to manage the waste properly and, even more important, to prevent pollution.

The City's VM Facility plays an important role in protecting public health and the environment is vital. Pollution prevention and best management practices are important for many reasons, including:

- *Saving money by reducing or recycling wastes.*
- *Avoiding costly penalties by complying with environmental regulations.*
- *Take pride in maintaining a clean and healthy environment.*

This document provides some best management practices and pollution prevention guidelines that can the VM Facility operate in an environmentally sound manner.

B. Objective

The objective in stormwater protection is that only rainwater goes down the storm drain. Best Management Practices (BMPs) are specific steps to prevent stormwater pollution as a result of day-to-day activities in a vehicle maintenance facility. The BMPs address not only direct flow of pollutants to storm drains, but also "threatened discharges" where there is a high probability for stormwater pollution (such as a leaking waste oil drum without secondary containment or any spills or wastes that have been released and are not actively being cleaned up). All maintenance facility staff shall review this information sheet as a training tool, and make every effort to keep pollutants from going down the storm drain by putting BMPs into practice.

II. Best Management Practices (BMPs)

A. Work Areas

Surface areas where vehicles are stored or repaired should be impervious. However, drip pans should be used to minimize leaks and spills onto the floor when transferring fluids or storing leaking vehicles. is advisable to have separate service bays for each specific operation, such as parts cleaning and degreasing, engine steam cleaning, radiator repair, fluid changes and replacement. Specialized service bays can minimize cross-contamination, facilitate segregation of waste streams, and allow for more efficient handling of materials and wastes. Each service bay should be provided with a waste collection station and labeled waste containers for each type of waste fluid. For example: waste oil only, waste antifreeze,

waste solvents. Damaged vehicles to be serviced should be inspected for leaks; drip pans should be used and leaking vehicles should be isolated from floor drains or other possible pathways to the environment.

B. Storage Areas

When possible, materials and wastes should be stored indoors to prevent moisture from seeping in. Hazardous materials and hazardous wastes outside storage areas should be covered and provided with secondary containment. Drums should be raised off the storage area floor to prevent corrosion through "sweating" of the floor surface. Rows of drums should be spaced to allow for easy access, good ventilation, and the ability to visually inspect each container for corrosion and leaks; a three-foot aisle space is sufficient. Aisles should be kept clear of obstructions. Equipment or tools should not be leaned against containers. A distance between different types of chemicals should be maintained to prevent cross-contamination and reactions. Flammable or combustible materials should be stored in fire proof cabinets.

C. Floors

Bay concrete floors should be sealed with an impervious material, such as cement, epoxy paint, or other material that oil, fuel, and solvents cannot penetrate. These substances can penetrate the concrete floor, even without cracks, and contaminate the soil and groundwater underneath.
Floors should not be cleaned by flushing with water; a broom, wet-vacuum or mop should be used. Cleaning wastes should be disposed of properly. Used absorbents should not be put into dumpsters. Absorbent that comes in contact with a hazardous waste should be managed as a hazardous waste.

All floor drains in service bays should be sealed, except those connected either to:

- *A holding tank with a gravity discharge pipe,*
- *A sump which pumps to a holding tank, or*
- *An oil/water separator which discharges to a municipal sanitary sewer*

Shop wastes should not be discharged to septic tank, storm drain, surface water, or ground surface, nor to sanitary sewer.

D. General Maintenance

Weekly inspection and maintenance schedules should address oil/water separators, catch basins, containers, tanks, equipment, and vehicle

storage areas. Absorbent material and other pertinent spill control materials should be provided at the work and storage areas to facilitate immediate cleanup of spills. Employees should be trained in efficient materials use, hazardous material handling, emergency response, waste management, and waste minimization.

E. Parts Cleaning and Degreasing

It is advisable to isolate parts cleaning and degreasing areas from other operations, preferably located within a containment area with no direct access to the facility exterior. Operators should only clean parts that need to be cleaned. A drip rack should be placed over the cleaning tanks to allow drag out to drain prior to any following cleaning step. Allowing longer drip time will reduce drag out from parts cleaning. There are several cleaning materials and methods, which include the following.

Solvents

Many solvents may quickly evaporate into the air under normal room temperature. Some best management practices are provided below that ensure solvent conservation. These practices will reduce the frequency of solvent purchase and, at the same time, reduce waste generation.

- *Keeping solvent containers tightly closed when not in use and away from heat and drafts could help minimize product loss, and keep emissions into the air at a minimum.*
- *Increasing freeboard and placing hoods or covers on all parts-cleaning tanks can also minimize evaporation of solvent.*
- *Solvent should only be replaced as needed. Solvent test kits may be used to check when the solvent is too dirty for further use. Using a two-stage rinsing process with "dirty" and "clean" solvent baths can extend solvent life.*
- *Decanting solvent sludges from tanks can extend solvent bath life.*
- *The used solvent decanted from the separation of solvent sludges can be reused as a pre-cleaning step for dirty parts or for less critical parts prior to a final cleaning.*

Using one multi-purpose solvent rather than several specialized solvents will increase reuse and recycling potentials. Parts cleaning and degreasing should be done in a self-contained, re-circulating solvent sink. Solvents should be used as little as possible to minimize the generation of hazardous wastes. Pre-cleaning parts with a squeegee, rag, or wire brush, followed by steam cleaning, high-pressure wash, or hot bath, would be an efficient approach to minimizing or even eliminating the use of hazardous

solvents. The avoidance of the use of spray cleaners should be considered. Much of the cleaner ends up in the air, not on the part, resulting in higher cost and unnecessary employee exposure.

Aqueous or Alkaline Cleaners

Aqueous or alkaline cleaners may be substituted for solvent-based cleaners in some applications, particularly for non-aluminum parts.
Where possible, use only hot water for the pre-cleaning and subsequent cleaning steps. With a recycling system, a detergent may be used and a rust inhibitor may be added if parts are sensitive to corrosion. Spent aqueous and other non-hazardous solutions that are initially non-hazardous materials may become hazardous after use due to elevated concentration of heavy metals or toxic organic substances. They should be treated or disposed of as a hazardous waste if they meet the definition of a hazardous waste.

F. High-pressure Water Washing

High-pressure water washing may be an effective method of parts cleaning; wastewater can be treated with an oil/water separator and recycled.

G. Engine steam cleaning

Engine steam cleaning may eliminate the use of solvents for cleaning engines and parts. Steam cleaning should be combined with environmentally sound operations, such as:

- *Steam cleaning should not be conducted outside, where wastewater may be discharged to the ground.*
- *If detergents or solvents are employed, wastewater must either be recycled and reused, or discharged to a holding tank for treatment and disposal.*

H. Radiator Repair

Typically, radiators are drained of coolant and cleaned in tanks of highly alkaline solution (pH above 12), which may contain zinc chloride, and then rinsed with water, either in a dip tank or by flushing with a hose.

Aromatics, such as benzene, and chlorinated hydrocarbon solvents, such as carbon tetrachloride, should not be used in radiator repair operations. The use of lead solder should be eliminated where possible, or solder with the lowest lead content (and hence less toxicity) should be used.

A three-step system can be used:

- *A boil-out tank (no discharge) for cleaning.*

- *A drag out (no discharge) from which rinse water is decanted into the boil-out tank to make up for evaporative losses.*
- *A recycling system for rinsing and pressure testing, from which water is treated to remove metals (copper, nickel, lead, zinc, tin, chromium) and then reused.*

With this procedure, most contamination remains in the boil-out or drag out tanks. Boil tanks should be placed in a secure area with secondary containment. The solutions from these boil tanks should be used for as long as possible. Drainage from boil tanks should be collected in holding tanks or drums and may have to be disposed of as a hazardous waste. Sludges from the treatment of the recycled rinse waters should be collected and disposed as a hazardous waste. High-pressure water washing may be an effective method of parts cleaning; wastewater can be treated with an oil/water separator and recycled.

III. Materials and Waste Management

A. Material Safety Data Sheet

It is the material manufacturer's responsibility to label each container with pertinent information about the contained substance and to provide a detailed Material Safety Data Sheet (MSDS). An MSDS is a useful source of information for employee's safety and health and a valuable tool for proper management of the material. The MSDS for each material that is present in the facility should be available for all employees.

The MSDS should be consulted and understood before ordering any new product. Biodegradable does not necessarily mean environmentally safe or that the product is exempt from regulations.

Generated wastes should be segregated, such as chlorinated from non-chlorinated solvents, oils from solvents, and antifreeze from both oils and solvents, in order to minimize disposal costs and facilitate recycling and reuse.

B. Waste Containers

Waste containers should be clearly labeled to prevent contamination. Waste-oil drums or tanks should be used to collect and store petroleum-based fluids drained from vehicles, including used engine oil, transmission fluid, and brake fluid; they should not be used for collecting cleaning solvents or antifreeze. Separate receptacles for draining used oil and antifreeze should be used. Tanks should be pumped out and drums should be disposed of by a licensed waste hauler for recycling purposes. Waste oil should not be used as a dust suppressant.

C. Spent Oil Filters

Spent oil filters should be recycled for their scrap metal content. A drain rack over a waste oil container might be used to drain and collect all residual oil prior to recycling. Crushing used oil filters should be considered to increase the amount of oil drained and reduce disposal costs due to decreased volume.

D. Anti-Freeze

Antifreeze can be recovered either on-site or off-site. Service contractors may be available to maintain equipment on-site and to recycle antifreeze. Units are available which chemically restore ethylene glycol by removing impurities and neutralizing organic acids formed as breakdown products of the coolant. Other services are available which will regularly remove and process used antifreeze, selling the product back to the generator at reduced cost. Antifreeze should not be used as a de-icing agent.

E. Lead-Acid Batteries

Lead-acid batteries should be recycled. Small quantities of lead-acid batteries should be stored in acid- resistant tubs. Periodically, batteries should be inspected for cracks or leaks, and stored in a container which will hold released material. Large quantities of batteries should be stored in an isolated area with no floor drains. Storage areas should be sealed with an acid-resistant material and have a containment berm. Batteries stored on pallets should not be stacked higher than 3 to 5 feet, and should be covered and stored within an enclosed area.

F. Soiled Cleaning Rags

Soiled cleaning rags should be kept in closed containers. Dirty rags should be laundered off-site by an approved industrial service. Clean rags can be obtained from a laundry service. Paper or disposable wipers should not be used. After use, they become contaminated and may NOT be disposed into a dumpster.

G. Scrap Metal Parts

Scrap metal parts, or other parts which were in contact with lubricant, should be stored in enclosed containers indoors or in areas secured from storm water accumulation.

H. Asbestos

Asbestos and other abrasives from brake shoes and linings should be captured and kept in a separate container. Extreme care should be exercised in the cleanup of areas where brake dust has been generated. Cleaning with an air hose should not be used. A low pressure/wet cleaning method, an OSHA-preferred method of compliance, should be used.

IV. Employee Training

This management strategy involves the implementing a series of practices to generate less waste through effective employee training. Employees should be educated about the benefits of preventing pollution on the shop floor; know about Material Safety Data Sheets (MSDSs); be re-trained periodically to keep good practices in mind; and to be informed of new regulatory requirements

A. Effective Communication and Awareness

This basic shop practice involves reminding employees about pollution prevention, spill avoidance, and control procedures, and emergency response information through the effective use of initial employee training, semi-annual review of BMP documents as well as signs, posters, and other techniques. Supervisors should ensure employees are trained whenever new equipment is installed or new procedures are implemented. They should be familiar with the hazards associated with the material they are using and be aware of potential sources of contamination. Supervisors should make sure employees are familiar with and understand the purpose of a spill response plan and are properly trained to carry it out. Supervisors should also maintain awareness of best available technology as many companies now consider environmental issues when designing and manufacturing their products. Supervisors should also ensure employees are familiar with the location of, and purpose of, MSDS. MSDS sheets are located inside the offices of the Public Works building.

B. Record Keeping

This BMP and fundamental business management function is important in order to track pollution prevention efforts and other benefits of using BMPs. Facility plans and permits should be regularly updated. Supply inventory, waste disposal, and recycling records should be maintained to track materials used and savings linked to reduction of wastes and progress of efforts to prevent pollution.

The supervisor of the vehicle maintenance facility should keep written records of site activities to show due diligence and to demonstrate that best management practices have been followed. Design drawings should be retained for the entire time that an oil/water separator is on site and in use. Accurate and up-to-date records should be kept of the oil/water separator inspections and maintenance procedures for a period of two (2) years from the date of inspection and/or maintenance:

- *Dates of inspection or maintenance*
- *Description of inspection or maintenance*
- *Measured depth of bottom sludge*
- *Measured depth of floating material*
- *The type and quantity of material removed from the oil/water separator*
- *The TDG manifest provided by the company cleaning the oil/water separator*

City of Greenacres
Fleet Maintenance/Equipment Yard Practices
And Inspections

The practices identified below will assist in the inspection functions of the maintenance shop that supports road maintenance activities.

General Housekeeping:

Keep your Spill Prevention Control and Countermeasure (SPCC) Plan up-to-date, and implement accordingly.

Place adequate stockpiles of spill cleanup materials where they are readily accessible.

Keep work sites clean and orderly. Remove debris in a timely fashion.

Spot clean leaks and drips routinely. Leaks are not cleaned up until the absorbent is picked up and disposed of properly.

Clean leaks, drips, and other spills with as little water as possible. Use rags for small spills, a damp mop for general cleanup, and dry absorbent material for larger spills. Use the following three-step method for cleaning floors:

- Clean spills with rags or other absorbent materials
- Sweep floor using dry absorbent material
- Mop the floor. Mop water may be discharged to the sanitary sewer via a toilet or sink.

Sweep the maintenance area weekly, if it is paved, to collect loose particles. Do not hose down the area to a storm drain.

Report leaking vehicles to fleet maintenance.

Vehicle/Equipment Fueling:

Design fueling area to prevent stormwater runoff and spills.

Apply a suitable sealant that protects the asphalt from spilled fuels in areas where covering is infeasible and the fuel island is surrounded by pavement.

Use secondary containment when transferring fuel from the tank truck to the fuel tank. Cover storm drains in the vicinity during transfer.

Maintain clean fuel-dispensing areas using dry cleanup methods such as sweeping for removal of litter and debris, or use of rags and absorbents for leaks and spills. Do not wash down areas with water.

Post signs at the fuel dispenser or fuel island warning vehicle owners/operators against "topping off" of vehicle fuel tanks.

Vehicle/Equipment Washing:

If possible, use properly maintained off-site commercial washing and steam cleaning businesses whenever possible. These businesses are better equipped to handle and properly dispose of the wash waters.

Consider washing vehicles and equipment inside the building if washing/cleaning must occur on-site. This will help to control the targeted constituents by directing them to the sanitary sewer.

Design wash areas to properly collect and dispose of wash water when engine cleaning is conducted and when chemical additives, solvents, or degreasers are used. This may include installation of sumps or drain lines to collect wash water or construction of a berm around the designated area and grading of the area to collect wash water as well as prevent stormwater run-on.

Post signs stating that only washing is allowed in wash area and that discharges to the storm drain are prohibited.

Use biodegradable, phosphate-free detergents for washing vehicles as appropriate.

Use hoses with nozzles that automatically turn off when left unattended.

Discharge equipment wash water to the sanitary sewer, a holding tank, or a process treatment system, regardless of the washing method used. Discharge vehicle wash water to (1) the sanitary sewer, a holding tank, or process treatment system or (2) an enclosed recycling system.

Vehicle/Equipment Repair:

Move maintenance and repair activities indoors whenever feasible.

If outside, use a vehicle maintenance area designed to prevent stormwater pollution - minimize contact of stormwater with outside operations through berming and appropriate drainage routing.

If temporary work is being conducted outside, use a tarp, ground cloth, or drip pans beneath the vehicle or equipment to capture all spills and drips.

Designate a special area to drain and replace motor oil, coolant, and other fluids. This area should not have any connections to the storm drain or the sanitary sewer and should allow for easy clean up of drips and spills.

Drain all fluids from wrecked vehicles immediately. Ensure that the drain pan or drip pan is large enough to contain drained fluids (e.g. larger pans are needed to contain antifreeze, which may gush from some vehicles).

Do not pour liquid waste to floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.

Dispose of all waste materials according to applicable laws and regulations.

Collect leaking or dripping fluids in drip pans or containers. Fluids are easier to recycle if

kept separate. Promptly transfer used fluids to the proper waste or recycling drums and store in an appropriately designed area that can contain spills. Don't leave drip pans or other open containers lying around.

Do not dispose of oil filters in trash cans or dumpsters, which may leak oil and contaminate stormwater. Place the oil filter in a funnel over a waste oil recycling drum to drain excess oil before disposal. Most municipalities prohibit or discourage disposal of these items in solid waste facilities. Oil filters can also be recycled. Ask your oil supplier or recycler about recycling oil filters.

Avoid hosing down your work areas. If work areas are washed, collect and direct wash water to sanitary sewer.

Storage:

If possible, store materials and wastes under cover whenever possible.

Minimize stormwater runon by enclosing the area or building a berm around it.

Cover the containers where they are stored.

Raise the containers off the ground by use of pallet or similar method, with provisions for spill control and secondary containment.

Use covered dumpsters for waste product containers.

Contain the material in such a manner that if the container leaks or spills, the contents will not discharge, flow, or be washed into the storm drainage system, surface waters or groundwater.

Store cracked and/or dead batteries in a non-leaking covered secondary container and dispose of properly at recycling or household hazardous waste facilities.

If equipment (e.g., radiators, axles) is to be stored outdoors, oil and other fluids should be drained first. This is also applicable to vehicles being stored and not used on a regular basis.

Try to keep chemicals in their original containers, and keep
them well labeled.

Store idle equipment containing fluids under cover.

Inspections:

The attached form is used for the inspection of each site on an annual/monthly/weekly/ daily basis.

Equipment Yard/Maintenance Shop Inspection Form

Facility: _____ Date of Inspection: _____

Address: _____

If site discharges to MS4, provide: Latitude/Longitude of discharge point: _____

and receiving water body: _____

YES	NO	N/A	
☐	☐	☐	Materials/chemicals are stored, handled, and discarded in a manner to reduce the potential risk of spills entering the MS4
☐	☐	☐	A spill kit is on site
☐	☐	☐	Outfalls, inlets, and outlets of stormwater treatment systems are free of debris/pollutants
☐	☐	☐	Storage tanks are clearly marked, properly contained, and protected from potential damage
☐	☐	☐	Loading, unloading, and transfer areas are neat and free of spills/debris/pollutants
☐	☐	☐	Vehicle maintenance areas are properly maintained and draining to the treatment system or sanitary sewer line
☐	☐	☐	Outdoor manufacturing areas are properly maintained and free of spills or debris
☐	☐	☐	Outdoor stockpile/material handling areas are properly maintained and the materials are properly contained (i.e., no potential to leak or leach pollutants)
☐	☐	☐	Trash and debris areas are conspicuous and properly protected from stormwater runoff
☐	☐	☐	Fueling stations are free of petroleum product spills/leaks
☐	☐	☐	Vehicle wash and rinse areas are draining to the treatment system or sanitary sewer line
☐	☐	☐	The site was free of any visual indication of potential illicit connection/illicit discharge to the MS4. If no, note type of indication: Odor ☐ Color ☐ Foam ☐ Sheen ☐ Surface Scum ☐ Solids ☐ Turbidity ☐

INDUSTRIAL SITES ONLY

☐	☐	☐	MSGP Notice of Intent (FDEP Form 62-621.300(5)(b)) was submitted to DEP
☐	☐	☐	Stormwater Pollution Prevention Plan was on site and implemented, per the MSGP
☐	☐	☐	Required SWPPP inspection and maintenance report forms completed, per the MSGP

Use reverse side of form for comments.

POLICY # PW-008
ISSUED: 00/00/03
EFFECTIVE: 00/00/03

SUBJECT: Vehicle Maintenance Best Management Practices

CROSS REFERENCE: N/A

PURPOSE: This purpose of this document is to provide guidance to the City of Greenacres' vehicle maintenance facility on how to stay in compliance with environmental requirements and prevent pollution.

POLICY: Providing vehicle maintenance through the use of best management practices, resulting in:

- Saving money by reducing or recycling wastes.
- Avoiding costly penalties by complying with environmental regulations.
- Take pride in maintaining a clean and healthy environment.

The City Fleet as serviced by the Vehicle Maintenance Division consists of 98 vehicles and and 90 pieces of equipment.

GENERAL PROCEDURES:

A. Work Areas

Surface areas where vehicles are stored or repaired should be impervious. However, drip pans should be used to minimize leaks and spills onto the floor when transferring fluids or storing leaking vehicles. It is advisable to have separate service bays for each specific operation, such as parts cleaning and degreasing, engine steam cleaning, radiator repair, fluid changes and replacement. Specialized service bays can minimize cross-contamination, facilitate segregation of waste streams, and allow for more efficient handling of materials and wastes. Each service bay should be provided with a waste collection station and labeled waste containers for each type of waste fluid. For example: waste oil only, waste antifreeze, waste solvents. Damaged vehicles to

be serviced should be inspected for leaks; drip pans should be used and leaking vehicles should be isolated from floor drains or other possible pathways to the environment.

B. Storage Areas

When possible, materials and wastes should be stored indoors to prevent moisture from seeping in. Hazardous materials and hazardous wastes outside storage areas should be covered and provided with secondary containment. Drums should be raised off the storage area floor to prevent corrosion through “sweating” of the floor surface. Rows of drums should be spaced to allow for easy access, good ventilation, and the ability to visually inspect each container for corrosion and leaks; a three-foot aisle space is sufficient. Aisles should be kept clear of obstructions. Equipment or tools should not be leaned against containers. A distance between different types of chemicals should be maintained to prevent cross- contamination and reactions. Flammable or combustible materials should be stored in fireproof cabinets.

C. Floors

Bay concrete floors should be sealed with an impervious material, such as cement, epoxy paint, or other material that oil, fuel, and solvents cannot penetrate. These substances can penetrate the concrete floor, even without cracks, and contaminate the soil and groundwater underneath. Floors should not be cleaned by flushing with water; a broom, wet-vacuum or mop should be used. Cleaning wastes should be disposed of properly. Used absorbents should not be put into dumpsters. Absorbent that comes in contact with a hazardous waste should be managed as a hazardous waste. Shop wastes should not be discharged to septic tank, storm drain, surface water, or ground surface, nor to sanitary sewer.

D. General Maintenance

Weekly inspection and maintenance schedules should address ocatch basins, containers, tanks, equipment, and vehicle storage areas. Absorbent material and other pertinent spill control materials should be provided at the work and storage areas to facilitate immediate cleanup of spills. Employees should be trained in efficient materials use, hazardous material handling, emergency response, waste management, and waste minimization.

E. Parts Cleaning and Degreasing

It is advisable to isolate parts cleaning and degreasing areas from other operations, preferably located within a containment area with no direct access to the facility exterior. Operators should only clean parts that need to be cleaned. A drip rack should be placed over the cleaning tanks to allow drag out to drain prior to any following cleaning step. Allowing longer drip time will reduce drag out from parts cleaning. There are several cleaning materials and methods, which include the following.

Solvents

Many solvents may quickly evaporate into the air under normal room temperature. Some best management practices are provided below that ensure solvent conservation. These practices will reduce the frequency of solvent purchase and, at the same time, reduce waste generation.

- Keeping solvent containers tightly closed when not in use and away from heat and drafts could help minimize product loss, and keep emissions into the air at a minimum.
- Increasing freeboard and placing hoods or covers on all parts-cleaning tanks can also minimize evaporation of solvent.
- Solvent should only be replaced as needed. Solvent test kits may be used to check when the solvent is too dirty for further use. Using a two-stage rinsing process with “dirty” and “clean” solvent baths can extend solvent life.
- Decanting solvent sludges from tanks can extend solvent bath life.
- The used solvent decanted from the separation of solvent sludges can be reused as a pre-cleaning step for dirty parts or for less critical parts prior to a final cleaning.

Using one multi-purpose solvent rather than several specialized solvents will increase reuse and recycling potentials. Parts cleaning and degreasing should be done in a self-contained, re-circulating solvent sink. Solvents should be used as little as possible to minimize the generation of hazardous wastes. Pre-cleaning parts with a squeegee, rag, or wire brush is an efficient approach to minimizing or even eliminating the use of hazardous solvents. The avoidance of the use of spray cleaners should be considered. Much of the cleaner ends up in the air, not on the part, resulting in higher cost and unnecessary employee exposure.

Aqueous or Alkaline Cleaners

Aqueous or alkaline cleaners may be substituted for solvent-based cleaners in some applications, particularly for non-aluminum parts. Where possible, use only hot water for the pre-cleaning and subsequent cleaning steps. Spent aqueous and other non-hazardous solutions that are initially non-hazardous materials may become hazardous after use due to elevated concentration of heavy metals or toxic organic substances. They should be treated or disposed of as a hazardous waste if they meet the definition of a hazardous waste.

F. Radiator Repair

Typically, radiators are drained of coolant and cleaned in tanks of highly alkaline solution (pH above 12), which may contain zinc chloride, and then rinsed with water, either in a dip tank or by flushing with a hose.

Aromatics, such as benzene, and chlorinated hydrocarbon solvents, such as carbon tetrachloride, should not be used in radiator repair operations.

The use of lead solder should be eliminated where possible, or solder with the lowest lead content (and hence less toxicity) should be used. Sludges from the treatment of the recycled rinse waters should be collected and disposed as a hazardous waste.

Materials and Waste Management Procedures

A. Material Safety Data Sheet

It is the material manufacturer's responsibility to label each container with pertinent information about the contained substance and to provide a detailed Material Safety Data Sheet (MSDS). An MSDS is a useful source of information for employee's safety and health and a valuable tool for proper management of the material. The MSDS for each material that is present in the facility should be available for all employees.

The MSDS should be consulted and understood before ordering any new product. Biodegradable does not necessarily mean environmentally safe or that the product is exempt from regulations.

Generated wastes should be segregated, such as chlorinated from non-chlorinated solvents, oils from solvents, and antifreeze from both oils and solvents, in order to minimize disposal costs and facilitate recycling and reuse.

B. Waste Containers

Waste containers should be clearly labeled to prevent contamination. Waste-oil drums or tanks should be used to collect and store petroleum-based fluids drained from vehicles, including used engine oil, transmission fluid, and brake fluid; they should not be used for collecting cleaning solvents or antifreeze. Separate receptacles for draining used oil and antifreeze should be used. Tanks should be pumped out and drums should be disposed of by a licensed waste hauler for recycling purposes. Waste oil should not be used as a dust suppressant.

C. Spent Oil Filters

Spent oil filters should be recycled for their scrap metal content. A drain rack over a waste oil container might be used to drain and collect all residual oil prior to recycling. Crushing used oil filters should be considered to increase the amount of oil drained and reduce disposal costs due to decreased volume.

D. Anti-Freeze

Antifreeze can be recovered either on-site or off-site. Service contractors may be available to maintain equipment on-site and to recycle antifreeze. Units are available which chemically restore ethylene glycol by removing impurities and neutralizing organic acids formed as breakdown products of the coolant. Other services are available which will regularly remove and process used antifreeze, selling the product back to the generator at reduced cost.

E. Lead-Acid Batteries

Lead-acid batteries should be recycled. Small quantities of lead-acid batteries should be stored in acid- resistant tubs. Periodically, batteries should be inspected for cracks or leaks, and stored in a container which will hold released material. Large quantities of batteries should be stored in an isolated area with no floor drains. Storage areas should be sealed with an acid-resistant material.

F. Soiled Cleaning Rags

Soiled cleaning rags should be kept in closed containers. Dirty rags should be laundered off-site by an approved industrial service. Clean rags can be obtained from a laundry service. Paper or disposable wipers should not be used. After use, they become contaminated and may NOT be disposed into a dumpster.

G. Scrap Metal Parts

Scrap metal parts, or other parts which were in contact with lubricant, should be stored in enclosed containers indoors or in areas secured from storm water accumulation**.**

H. Asbestos

Asbestos and other abrasives from brake shoes and linings should be captured and kept in a separate container. Extreme care should be exercised in the cleanup of areas where brake dust has been generated. Cleaning with an air hose should not be used. A low pressure/wet cleaning method, an OSHA-preferred method of compliance, should be used.

Employee Training Procedures

This management strategy involves the implementing a series of practices to generate less waste through effective employee training. Employees should be educated about the benefits of preventing pollution on the shop floor; know about MSDS; be re-trained periodically to keep good practices in mind; and to be informed of new regulatory requirements

A. Communication and Awareness

This basic shop practice involves reminding employees about pollution prevention, spill avoidance, and control procedures, and emergency response information through the effective use of initial employee training, semi-annual review of BMP documents as well as signs, posters, and other techniques. Supervisors should ensure employees are trained whenever new equipment is installed or new procedures are implemented. They should be familiar with the hazards associated with the material they are using and be aware of potential sources of contamination. Supervisors should make sure employees are familiar with and understand the purpose of a spill response plan and are properly trained to carry it out. Supervisors should also maintain awareness of best available

technology as many companies now consider environmental issues when designing and manufacturing their products. Supervisors should also ensure employees are familiar with the location of, and purpose of, MSDS. MSDS sheets are located inside the offices of the Public Works building.

B. Record Keeping

This BMP and fundamental business management function is important in order to track pollution prevention efforts and other benefits of using BMPs. Facility plans and permits should be regularly updated. Supply inventory, waste disposal, and recycling records should be maintained to track materials used and savings linked to reduction of wastes and progress of efforts to prevent pollution.

The supervisor of the vehicle maintenance facility should keep written records of site activities to show due diligence and to demonstrate that best management practices have been followed. Design drawings should be retained for the entire time that an oil/water separator is on site and in use. Accurate and up-to-date records should be kept of the oil/water separator inspections and maintenance procedures for a period of two (2) years from the date of inspection and/or maintenance:

- Dates of inspection or maintenance
- Description of inspection or maintenance
- Measured depth of bottom sludge
- Measured depth of floating material
- The type and quantity of material removed from the oil/water separator
- The TDG manifest provided by the company cleaning the oil/water separator

REVISED:

Dennis C. Rogan
Public Works Director

Joint Public Education Program

The three public education elements in the permit are conducted as a joint program supported by all permittees. Please reference the program description in the Joint Annual Report and/or on the website (www.pbco-npdes.org).

THIS IS NOT TO BE IMPLEMENTED.
THIS IS FOR NPDES ANNUAL REPORTING REQUIREMENTS ONLY

City of Greenacres

Municipal Waste TSD Facility Procedures

A map is attached that shows the location of all municipal waste TSD facilities not covered by an NPDES permit that are located within the jurisdiction of ____<permittee name>___.

A description of each of the facilities follows:

1. Xxx
2. Xxx
3. Xxx

Necessary control measures have been put in place at each facility to ensure that any potential pollution of stormwater runoff from these facilities is minimized or prevented.

Site inspections are conducted annually/monthly/weekly/daily, using the attached inspection form.

Municipal waste TSD facilities may be:

- Operating municipal landfills
- Municipal waste transfer stations
- Municipal waste fleet maintenance facilities, and
- Any other municipal waste treatment, storage, or disposal facility

Municipal Waste TSD Facility Inspection Form

Facility: _____ Date of Inspection: _____

Address: _____

If site discharges to MS4, provide: Latitude/Longitude of discharge point: _____

Receiving water body: _____

YES	NO	N/A	
☐	☐	☐	All waste at site is inside appropriate receptacles.
☐	☐	☐	Area around waste receptacles is neat and free of debris.
☐	☐	☐	Waste receptacle lids are in place.
☐	☐	☐	Waste receptacles are sturdy, leak-free, and in acceptable condition.
☐	☐	☐	Waste receptacles are indoors, under a roof, and/or away from storm inlets.
☐	☐	☐	Waste receptacles are cleaned indoors, in areas that drain to sanitary system.
☐	☐	☐	Waste collection area does not drain to stormwater system (MS4).
☐	☐	☐	A spill kit is on site.
☐	☐	☐	Sediment and erosion controls are operating properly.

Comments:

_____

_____

_____

_____

_____

_____

City of Greenacres
Roadway Maintenance Practices
To Reduce Pollutants

Roadway repairs and maintenance may take place anywhere throughout the City's jurisdictional area, and is conducted on an as-needed basis.

Major repair work is typically done as a construction project by a contractor. These projects most often required a Notice of Intent under the State's Generic Construction Permit, which requires a Stormwater Pollution Protection Plan. Routine inspections are done as part of the construction site inspection program.

Minor repairs, completed by municipal staff, are performed using the following practices:

- Painting, striping, marking, and asphalt and concrete cutting or repair activities are done in dry weather.
- Nearby storm drain inlets are protected by covers, straw bales, sand bags, filter fabric or plastic to reduce the possible entry of wastes, dusts, overspray and/or slurry.
- All waste and debris remaining after the work is swept up and removed.
- Water use is minimized when saw cutting concrete. The waste slurry is allowed to dry and then swept up or a wet vacuum is used to pick up the waste slurry during or immediately after cutting.
- Maintenance supplies (e.g., cement bags, sealants and tars) are stored under cover and away from drainage areas.
- Waste, scraps, rust and paint from any sandblasting or painting projects is collected and disposed of properly.

THIS IS NOT TO BE IMPLEMENTED.
THIS IS FOR NPDES ANNUAL REPORTING REQUIREMENTS ONLY

Street Sweeping Program

A map of the street sweeping routes is attached. _____ miles of public roadway are in the program. Roadways without curb and gutter, and roadways not owned/maintained by ____ <insert MS4 name> ____, are not included in the program. ← *<If applicable> <Note: You may want to map the responsible entity for street sweeping for the rest of the streets and roadways within your jurisdiction.>*

The frequency of sweeping is:

Daily/weekly/monthly

As shown on the map (because it varies by location)

Frequency has been established based on historical information about collected amounts over the past ___ years. The areas swept most frequently are the priority areas.

Documentation of volume of street sweeping collection is kept in a log book by date and is summarized for reporting each year.

An estimate of the total phosphorus and total nitrogen collected by the street sweeping is performed based on the Florida Stormwater Association's determinations of street sweeping removal rates project. For this calculation, the landuse of the area swept and the amount of material collected is needed. The log below is used for recording this information.

Street Sweeping Collection Log		
Date	**Amount Collected (units)**	**Land Use of Area Swept**

All street sweeping collection is properly disposed of in accordance with DEP's "Guidance For The Management Of Street Sweepings, Catch Basin Sediments and Stormwater System Sediments."

OR

The ____ <insert MS4 name> _____ does not have a street sweeping program because . . . *<fill in>*

Florida Stormwater Association
Street Sweeping Nutrient Removal Rates

Based on the May 31, 2011 Final Report "Quantifying Nutrient Loads Associated with Urban Particulate Matter (PM), and Biogenic/Litter Recovery Through Current MS4 Source Control and Maintenance Practices" and Tables 5 and 6 in the report - Pages 38 and 39, respectively. The following information is extracted:

Median Value of Nutrient Removal Per Unit of Material Collected		
Land Use	**Total Phosphorus**	**Total Nitrogen**
Commercial	0.000381	0.000430
Residential	0.000375	0.000832
Highway	0.000350	0.000546

Example Calculations:

In fiscal year 2010, Palm Beach County collected 1,915 cubic yards of material with the street sweeping program. Assuming the average density of the street sweeping material is 750 pounds per cubic yard,* then 1,436,250 pounds were collected. The land use breakdown within the street sweepings program was estimated as 20% commercial (287,250 pounds), 30% residential (430,875 pounds), and 50% highway (718,125 pounds). Using the table above, the total phosphorus removed would be estimated at (287,250)(0.000381) + (430,875)(0.000375) + (718,125)(0.000350) = 522 pounds. The total nitrogen removed would be estimated at (287,250)(0.000430) + (430,875)(0.000832) + (718,125)(0.000546) = 874 pounds.

Last year the Town of Jupiter collected 35.8 dry tons (71,600 pounds) of street sweeping material from residential areas. The estimated nutrient removal rates for total phosphorous and total nitrogen would be (71,600 pounds)(0.000375) = 27 pounds, and (71,600)(0.000832) = 60 pounds, respectively.

* *This assumption is based on a study done by the City of Tampa.*

NPDES

Introduction

The Federal Clean Water Act of 1972 authorized the National Pollutant Discharge Elimination System (NPDES) program to protect the rivers lakes and coastal waters of the United States. The Florida Department of Environmental Protection (DEP) administers the NPDES program in the state of Florida.

The City of Greenacres is a co-permittee on the Palm Beach County Third Term MS4 (Municipal Separate Storm Sewer System), NPDES Permit No FLS000018-003. Northern Palm Beach County Improvement District (NPBCID) acts as lead permittee for the Palm Beach County group. A Steering Committee was formed in 1991 to coordinate and facilitate joint activities within the Palm Beach County MS4 NPDES program. Mock•Roos, Inc. acts as staff to the Steering Committee, assisting with the administration of the program.

The MS4 permit has many required activities and an annual report is required to be submitted that documents these activities.The Public Works Department is the lead department for NPDES reporting and activities for the city of Greenacres.

The report will cover NPDES activities during the fiscal year. Year one of the report will cover from October 1, 2011 to September 30, 2012.

The Building Department is responsible for developing and enforcing a construction site runoff program and shares responsibility for illicit discharges, hazardous spills, public outreach, and fertilizer/pesticide application.

Construction Site Runoff

General

The PBC MS4 NPDES permit includes requirements related to preventing and/or reducing pollutants in stormwater runoff from construction sites.
Effective May 1 2003, construction sites that will result in a disturbance of one acre or more, are required to seek coverage under the FDEP Generic Permit for Stormwater Discharge from Large and Small Construction Activities (CGP).

It is the CGP that includes the requirement that a Notice of Intent (NOI) and Notice of Termination (NOT) be submitted to FDEP. It is also the CGP that requires completion of a stormwater pollution prevention plan (SWPPP).

The PBC MS4 NPDES permit requirements related to construction site runoff include:

- Ordinances/codes requiring construction site planning approval and the use of structural and non-structural controls to prevent pollutants in construction site runoff
- A FDEP permit before land clearing, if one is required
- On-going evaluation of innovative structural and non-structural BMPs and new technologies

- Site inspections of construction projects to ensure compliance with co-permittee's development requirements and to verify that the SWPPP is on site if one is required
- An inspection log of all inspections conducted
- Use of a formalized inspection checklist for construction site inspections
- Annual training of all inspectors on proper building and construction stormwater management and erosion and sediment control BMPs AND on protocol for compliance
- Enforcement using notices of violation and/or stop work orders for those construction site operators which repeatedly fail to comply with approved erosion and sediment control BMPs
- Annual stormwater erosion and sediment control training program for construction site operators, engineers, and inspectors.
- Notification of building permit applicants of their responsibilities under the FDEP Generic Permit for Stormwater Discharge from Large and Small Construction

Ordinances
Greenacres City Code Chapter 7, Article IV contain the relevant city ordinance relating to stormwater.

Developer Notification
Projects requiring the use of a Generic Permit will be notified of this requirement by the Planning Department during the site plan approval process. The requirement will be stated in the staff report conditions of approval and developer will be notified verbally at Land Development Staff meetings.

Permits & Plans
All sites that will disturb soil will be reviewed for Best Management Practices. Prior to issuance of a Clearing permit, sites requiring the Use of Generic permit are required to submit two copies of the Pollution Prevention Plans and a copy of the Generic Permit information as approved by the State of Florida.

Permit Techs will process an SW type permit in the AS400 Permit Module. This permit will be issued to the Generic Permit responsible party. Codes for the permit are; SW0 Permit Issued, SW1 Notice of Intent received, SW2 PPP site inspection, and SW9 Final Notice of Termination received. Permit tech will automatically an initial SW2 inspection for the next business day after permit issuance.

Hard copies of permits and plans for all active jobsites will be kept in file cabinet drawer 11b in the Building Department. Permits and plans will be scanned into Laserfiche after the Certificate of Occupancy is issued and a Notice of Termination is received.

Site Inspection

Pre-Con Meeting
Prior to the start of construction, the contractor and/or the Generic Permit responsible party will have a pre-construction meeting at the site to verify all features of the plan are in place and to review required paperwork, inspections and department procedures.

First Inspection:

1. The inspector shall familiarize himself/herself with the Erosion and Sediment Control Plans and identify all BMPs prior to the initial site inspection.
2. At the time of inspection, the inspector shall meet the responsible party and review the plans on site. Items to "look for" in the initial meeting include:

    - City of Greenacres Storm-water (SW) Permit is displayed on site.
    - State of Florida Notice of Intent to Use Generic Permit (NOI) is posted on site.
    - Weekly maintenance reports filled out and available.
    - Copy of approved, stamped Erosion and Sediment Control Plans is maintained on site.
3. During the site inspection, ensure that all structural site erosion controls (BMPs) have been installed according to the approved plans.
4. All aspects of the inspection shall be documented using the inspection checklist and photos shall be taken of current site conditions.

Routine Inspection/Timing and Frequency of Inspections:

1. Site inspections shall be conducted on a routine basis throughout the duration of land-disturbing activity. The Building Inspector shall schedule these inspections in the AS400 Permit Module based on project phase (ie: during heavy grading activity more frequent inspections are required, once interior building activity has begun less frequent inspections are required). Wet-event inspections of construction sites shall be completed within 24-hours of appreciable rainfall event. The Plumbing Inspector shall also perform cursory SW inspections while at the site for any other underground plumbing inspection.
2. All information associated with site inspections shall be documented. Each inspection shall be recorded using the checklist form below. Items associated with the inspection shall be noted on the form. Copies of the checklist shall be left with the contractor or site attendant. Photos of the site shall be taken during the inspection. If there is nobody on site, the checklist should be left with the permit or sent by fax or by mail to the contractor's office.

Final Inspection:

1. The inspector shall conduct final inspection to confirm that the site, including the detention pond, is stable.
2. Final inspection should include landscape inspection, in which the inspector matches tree location and variety to the approved landscape/planting plan.
3. Detention pond should be measured to insure compliance with the approved plans (ie: size, shape, design). Emergency spillway should be installed per approved plan. Emergency spillway should consist of either a concrete flume or TRM-450 geotextile.
4. Geotextile material should be properly installed in drainage swales or emergency spillway per manufacturer's specifications.
5. Stormwater infrastructure should be inspected to insure that pipes are the size specified by the approved plans, all pipes and structures should be sealed and clear of sediment deposition.
6. Oil Skimmer baffles should be bolted and sealed.

7. Verify that site conditions (especially structures) match approved plans; revisions required either as-built or revised plans. All revisions shall be approved by the Plan Reviewer staff.
8. Obtain a copy of the Notice of Termination (NOT).

Method of Documentation

1. Upon returning to the office, site inspections shall be recorded in New World Systems (NWS) Permit Module database.
2. Photos shall be filed with the permit to be scanned into Laserfiche after final inspections.
3. The inspection checklists shall be filed with the permit to be scanned into Laserfiche after final inspections.

Compliance & Enforcement (Reporting of Violations)

1. Violations discovered during site inspections shall be duly noted. Application of levels of enforcement are as follows:
   First Offense: Written Correction Notice
   Second Offense: Written Correction Notice and $40 re-inspection fee.
   Third Offense: Written Correction Notice, $40 re-inspection fee.
   Fourth Offense: Written Correction Notice, $100 re-inspection fee, Stop Work Order issued until violation corrected. Possible issuance of Civil Penalty and/or start of code enforcement procedures per City Codes Sec 2-72 and 2-72.1.
2. Documentation is critical to effective enforcement. Advanced enforcement shall be documented for tracking purposes in an electronic database located in the Energov Code Enforcement Module.
3. It is the responsibility of the inspector to maintain time limits, specified by enforcement levels, and re-inspect on appropriate dates. Timely follow-up inspection is critical.

Permit Closure

Once final site inspection is completed, site matches approved plans or as-built have been approved for field changes, and a final Notice of Termination is received the Land Clearing Permit and SW Permit may be closed and the file scanned into Laserfiche.

Date: _____ **Time:** _____

Site: _____ **Permit No.:** _____

Inspector's Name: _____ **Site Operator's Name:** _____

Pollution Prevention Plan:

- ☐ The plan is on site
- ☐ Required revisions attached to plan
- ☐ Inspection reports attached to plan

Discharge Locations:

- ☐ Outlet free of obstructions
- ☐ Absence of sediment build-up
- ☐ Absence of undermining of structure
- ☐ Sediments are being maintained on site
- ☐ Erosion controls installed properly
- ☐ Turbidity level acceptable
- ☐ Turbidity barrier functioning

Comments:

Disturbed Areas (stabilization measures):

Grading	☐	Graded areas free of debris (rocks, roots, trash, etc.)
	☐	Rough grading temporarily seeded/Final grading seeded or sodded
Hay Bales	☐	installed per design & specifications
	☐	free of accumulated sediments
	☐	trenched in, back filled and compacted
	☐	replaced where rotten or saturated
	☐	installed without gaps between bales
Silt Fence	☐	installed per design & specifications (fabric, wire, stakes, spacing, etc.)
	☐	bottom trenched in a minimum of 4 inches
	☐	free of splicing between sections
	☐	secured adequately (cannot be pulled out with one hand)
	☐	free of accumulated sediments
	☐	fabric and stakes in good condition
Swales	☐	stabilized
	☐	free of sediment or debris
	☐	free of ponding
	☐	constructed at design elevation

Vehicle Ingress/Egress Locations:

- ☐ Built per design, specifications and stabilized
- ☐ Maintenance is being performed (raking, adding more stone, etc.)
- ☐ Use of wash rack and proper discharge of wash water
- ☐ Affected street(s) swept to remove excess stones and sediments

Comments:

Materials Storage Areas:

- ☐ Debris and stock piles maintained properly
- ☐ Materials stored properly
- ☐ No evidence of spills
- ☐ Secondary containment of on-site fueling tanks
- ☐ Spill response equipment and materials on site

Structural Control Devices:

- ☐ Sediment traps used and installed properly
- ☐ Stormwater Basins constructed to proper elevation and side slopes
- ☐ Flooding absent around or within inlet
- ☐ Inlet free of erosion
- ☐ Inlet free of debris and/or sediment
- ☐ Inlet at design elevation
- ☐ All hardware and equipment installed per design
- ☐ Perimeter berm at design elevation
- ☐ Perimeter berm compacted and stabilized

Other:

- ☐ Dewatering operation per plan and discharge free of turbidity
- ☐ Sanitary facilities maintained properly
- ☐ Original permitted plans implemented without major change(s)
- ☐ Offsite area(s) free of impact(s) due to construction
- ☐ Litter control

Comments:

Additional Comments:

Enforcement Action:

Inspector's Signature: _____ **Date:** _____

Illicit Discharge

Proactive Inspection Program

Section III.A.7.c – Illicit Discharges and Improper Disposal – Inspection and Investigation of Suspected Illicit Discharges and/or Improper Disposal

This permit element requires a written **proactive inspection program** for identifying and eliminating sources of illicit discharges, illicit connection or illegal dumping, to our MS4.

Portions of our MS4 that have a reasonable potential of containing illicit discharges/connections/dumping are inspected annually. The FDEP has indicated that the portions of our MS4 that have a reasonable potential of containing illicit discharges/connections/dumping should be considered to be the commercially zoned areas/properties that could potentially discharge into our MS4.

FDEP allows these inspections to be combined with other inspection programs, but the inspections must include specific inspection for potential stormwater contamination.

1. **Procedure and Criteria for identifying priority areas/facilities**
   For consistency with the MS4 NPDES permit, the following areas are considered a priority in the inspection program:
   - Industrial, commercial, or mixed use areas
   - Areas with history of past illicit discharges and/or illegal dumping
   - Areas with on-site sewage disposal systems
   - Areas upstream of sensitive or impaired water bodies

   The map attached to the annual report depicts the areas zoned as industrial or commercial, that are within our MS4 contributing area or in an area that discharges from an outfall for which we are responsible.

2. **List of identified priority areas/facilities**
   Each year, a list of addresses is created from the map and the City's GEO database. This list is cross-referenced with the FDEP list of facilities that have an MSGP. If any facilities that appear to require an MSGP are not on the FDEP list, the names and addresses of those businesses are referred to FDEP.

3. **Annual schedule for inspections**
   All priority areas/facilities are inspected at least once within the current permit term. The inspection area has been divided into five zones. One zone will be inspected during each year of the permit term. If an area is found to have illicit discharges/connections/dumping, it is re-inspected for compliance and if warranted, specific facilities within that area are considered for placement on the high risk facility list for more frequent inspection.

   In addition, inspections for signs of illicit discharges are included as part of the procedures for Code Enforcement, Business Tax Receipt and all structural control inspections and maintenance. A "checkbox" for this activity is included on the inspection forms for those activities. If a suspected illicit discharge is identified, it is reported to the Building Department for investigation under the Reactive Investigations program.

Finally, all appropriate field personnel receive illicit discharge and illegal dumping identification and notification training. If a suspected illicit discharge is identified during the course of performing their regular activities, it is reported to the Building Department for investigation under the Reactive Investigations program.

4. **Procedure for conducting inspections**
   The inspector(s) patrols the prioritized area searching for indications of illicit discharges/connections/dumping into the City's MS4, in accordance with the training received. If any are identified, the inspector makes a cursory attempt at identifying the source of the discharge. If the source is identified, the inspector makes the decision to either approach the facility owner or refer the finding to his supervisor for further action. If speaking with the facility owner or operator, the inspector advises of the findings and cites the ordinance which prohibits such discharges (Sec 7-103). The inspector indicates his/her intention to return to verify that the problem has been corrected.

   If no source is identified, the findings are reported to the inspector's supervisor for further investigation.

5. **Procedure for tracing source of discovered illicit discharge**
   Visual observation, investigation, and testing if necessary, are used to identify the source of an illicit discharges/connections/dumping.

6. **Procedure for eliminating the discharge**
   If an illicit connection to the MS4 through a pipe is identified, it is immediately terminated (plugged or removed). If the illicit is traced back to a property owner/operator, the owner of the property is contacted. The owner is notified of the problem and asked to address the situation immediately. The owner is notified of the re-inspection date, typically one week.

7. **Procedure for documenting the inspections and enforcement activities**
   The attached inspection form is used for pro-active inspections and the subsequent follow-up. A hard copy is filed in drawer 11b at the Building Department. Selected activity related to the pro-active inspection program is logged into an Excel database for management and reporting purposes. The electronic files facilitate follow-up, referrals and year-end summarizing.

8. **Procedures for enforcement actions (or referrals to appropriate jurisdictional authority)**
   For cases within the city's MS4 contributing area, an unresolved matter is handled by the Code Enforcement. Code Enforcement assigns a case number and follows through to resolution. For cases outside the city's MS4, the appropriate entity is notified (FDOT, Palm Beach County, etc.)

9. **Identification of staff /department/outside entity responsible for inspections and for enforcement**

Inspection activities are carried out by three Inspectors and two Code Enforcement Officers. Follow-up and management are provided by the Building Official. Documentation is handled by the Permit Licensing Coordinator.

10. Description of resources allocated to implement this permit element

The Building Department does not currently have separate line items in the budget for these items for the 2011/2012 fiscal period. Employee time and expenditures are to be tracked on an Excel spreadsheet for the fiscal year.

Proactive Illicit Discharge/Illegal Connection Inspection Form

Date of Inspection: _____ Inspector Name: _____

Description of inspection area:

_____

_____

Identification of MS4 component that could receive discharge from this site/area:

_____

Findings:

Evidence of illicit connections to storm sewer?	Yes___	No___
Evidence of dumping/spills to storm sewer?	Yes___	No___
Evidence of wash water going to storm sewer?	Yes___	No___
Storage tanks leaking or improperly contained?	Yes___	No___
Stockpiles/debris piles uncontained?	Yes___	No___

If “yes,” to any above, describe:

_____

_____

_____

_____

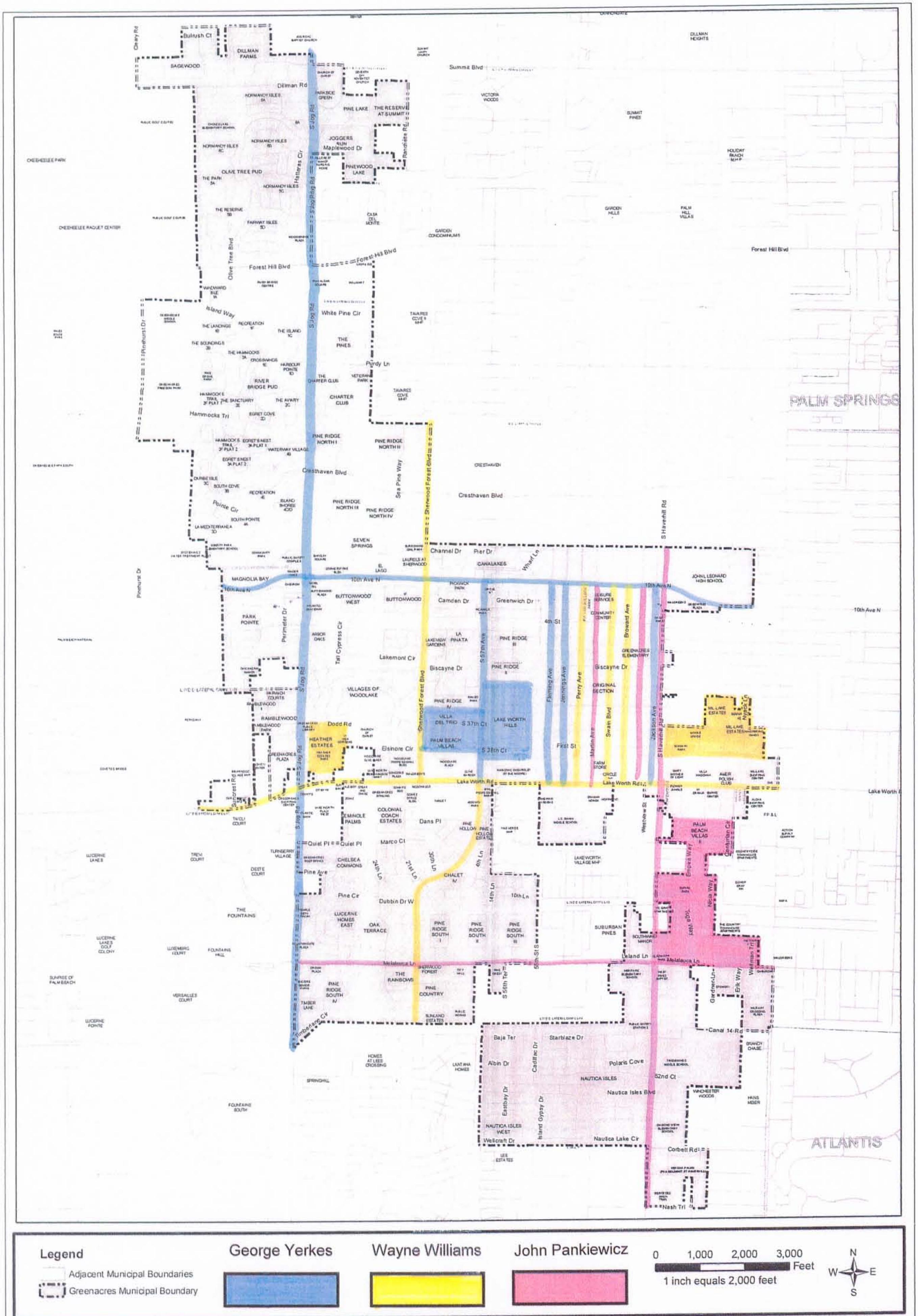
_____

_____

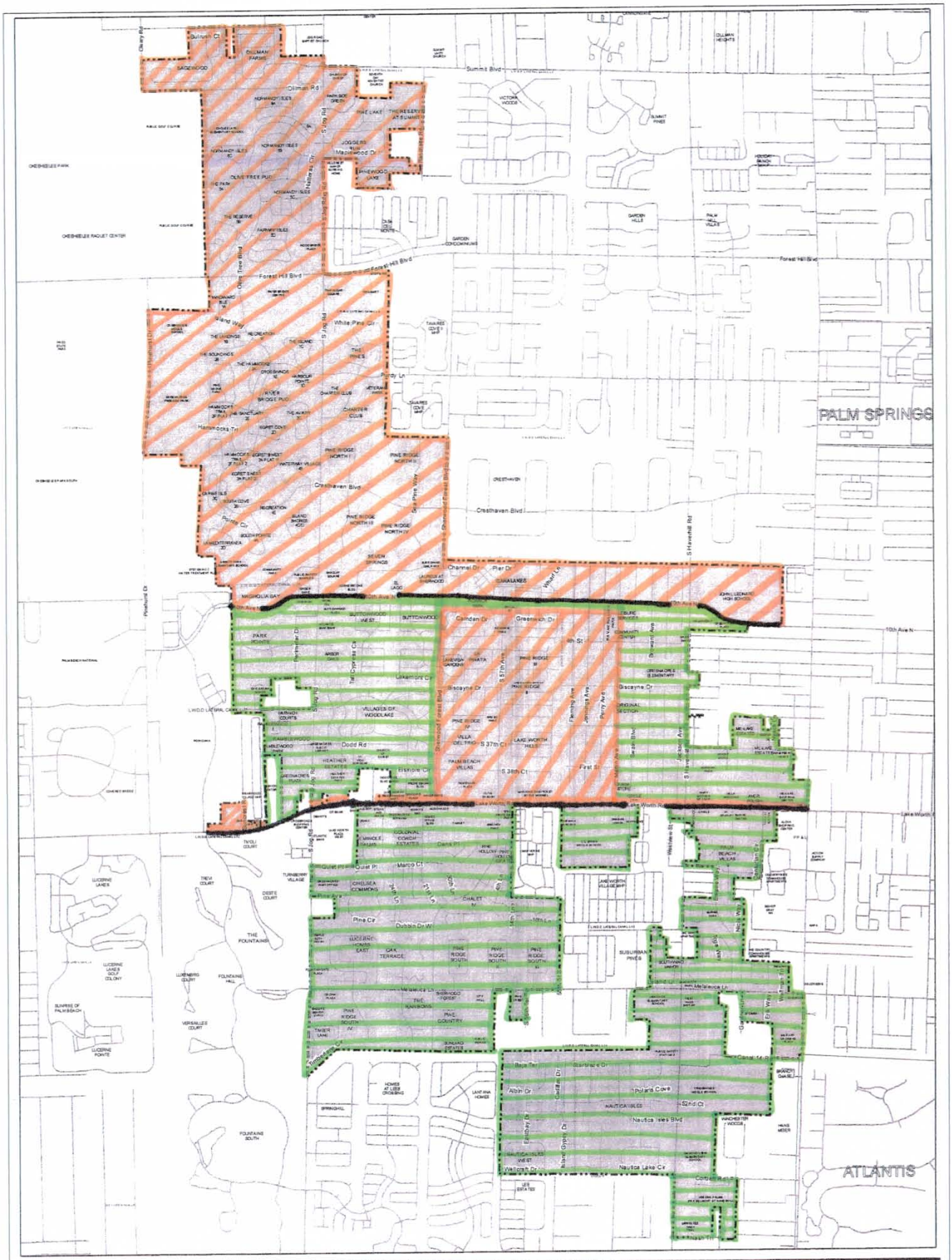
Type of Enforcement Action Taken:

_____

Date to verify correction: _____



PALM SPRINGS
ATLANTIS
S Jog Rd
Dillman Rd
Summit Blvd
Forest Hill Blvd
Cresthaven Blvd
10th Ave N
Lake Worth Rd
Melaleuca Ln
S Haverhill Rd
Jackson Ave
Sherwood Forest Blvd
S 57th Ave
Biscayne Dr
Canal 14 Rd
Corbett Rd
Nash Trl
Nautica Isles Blvd
Nautica Lake Cir
Pinehurst Dr
Olive Tree Blvd
Island Way
White Pine Cir
Purdy Ln
Hammocks Trl
Pointe Cir
Channel Dr
Pier Dr
Camden Dr
Greenwich Dr
Lakemont Cir
Dodd Rd
Elsinore Cir
Quiet Pl
Pine Ave
Pine Cir
Dubbin Dr W
Marco Ct
Dans Pl
Leland Ln
Baja Ter
Starblaze Dr
Albin Dr
Polaris Cove
Wellcraft Dr
Eastbay Dr
Island Gypsy Dr
Cadillac Dr
Perry Ave
Fleming Ave
Jennings Ave
Swan Blvd
Broward Ave
Martin Ave
4th St
First St
PALM BEACH VILLAS
NAUTICA ISLES
HEATHER ESTATES
LAKE WORTH HILLS
PINE RIDGE NORTH I
PINE RIDGE NORTH II
THE PINES
CHARTER CLUB
SEVEN SPRINGS
VILLAGES OF WOODLAKE
CANALAKES
COLONIAL COACH ESTATES
CHELSEA COMMONS
LUCERNE HOMES EAST
OAK TERRACE
THE RAINBOWS
PINE COUNTRY
Legend
Adjacent Municipal Boundaries
Greenacres Municipal Boundary
George Yerkes
Wayne Williams
John Pankiewicz
0
1,000
2,000
3,000
Feet
1 inch equals 2,000 feet
N
S
E
W



Map Data: February, 2008

Annexations Through : December, 2007

Update By: Calvin Giordano & Associates

Disclaimer: The requester of this map acknowledges and accepts the limitations of the Data shown, including the fact that the Data is dynamic and is in a constant state of maintenance, correction and update. The burden of determining accuracy, completeness and fitness for use rests solely on the requester. Contact the Planning and Engineering Department for current information or interpretation.

Municipal Boundary Map

City of Greenacres

CITY OF GREENACRES
PLANNING &
ENGINEERING DEPARTMENT

5800 MELALEUCA LANE
GREENACRES, FL 33463
(561) 642-2054

Reactive Inspection Program

Section III.A.7.c – Illicit Discharges and Improper Disposal – Inspection and Investigation of Suspected Illicit Discharges and/or Improper Disposal
This permit element requires a written **reactive investigation program** for suspected illicit discharges that are reported by others.

Reporting Illicit Discharges

Illicit discharges may be reported through the hotline (561)642-2049, regular calls to Building Department or Code Enforcement staff, e-mail to any Building Department staff, verbally while inspectors in field or at office, through link on city website or through WebQA.

After receiving a report of a suspected illicit discharge Building Department staff will fill out the below form, determine the location and zone of the site, and refer the report to the inspector for that zone. Inspection and enforcement procedures will follow the Proactive Inspection Program 5-10.

Reactive Investigation of Reported Illicit Discharge/Illegal Connection/Illegal Dumping

Date suspected illicit was reported: _____
Date of investigation: _____
MS4 potential Receiving system:
_____
If not within MS4, date and to whom referral made: _____
Verification of problem: _____
Type of discharge/connection/dumping:
_____
Determined Source:
_____
Type of enforcement action taken:
_____
Date to verify elimination: _____
Date of Referral to FDEP of facility that may require MSGP: _____

ZONE RESPONSIBILITIES

To ensure that operations and maintenance responsibilities are carried out consistently and properly, specific areas of responsibility for operation and maintenance shall be documented. A clear delineation of maintenance responsibilities will help ensure that proper resources are allocated and minimize counter-productive work.

The City is divided into two work zones. Each work zone will be staffed by two Maintenance Workers who will be responsible for pre-assigned tasks. The Roads and Drainage Supervisor shall assign proper staffing levels for projects that require more than the assigned number of Maintenance Workers within their pre-assigned zone.

The following staffing levels are identified for all aspects of daily Roads and Drainage operations along with those projects assigned by the Supervisor:

Crew leader: Will be responsible for the care and maintenance of 40 planted medians. Specific assigned duties are listed in the Landscaped Islands Section of this document.

Two Maintenance Workers per zone: Zone crews will be assigned by the Roads and Drainage Supervisor.

WORK ZONE RESPONSIBILITIES

Work zone duties and responsibilities shall include daily tasks, streets and sidewalks preventive maintenance, maintenance on right-of-ways, easements, and canals, and stormwater maintenance zone duties.

- Maintain responsibility for vehicle usage including keeping accurate mileage at the start and at the end of the day, load and unloading of field supplies, keeping vehicle clean, and perform safety checks before leaving yard (tires, lights, etc.)
- Thoroughly fill out all assigned daily worksheets, NPDES inspection reports, and any other worksheets.
- Maintain all street signage, straighten or replace stop signs, speed limit signs, posts, etc (according to MUTCD standards[1]).
- Keep grates on catch basins and outfalls free of debris.
- Keep ribbon gutters free of overgrowth, soil, and debris.
- Mow and de-litter original section easements. (If it's in your assigned area).
- Paint over any graffiti found on any city property.
- Properly dispose of any road kill.
- Paint crosswalks, stop bars and parking spaces.
- Perform sidewalk inspection and repair as needed.
- Repair roadways as needed.

[1] http://mutcd.fhwa.dot.gov/HTM/2003/html-index.htm

Attachment 9: City of Greenacres Litter Control Program
Estimated Amount of Public Grounds Maintained

Public Area	Total Acreage
Bowman Park	4.7
Burrowing Owl Park	2.5
Empire Park	1.0
Gladiator Park	1.0
Community Park	16.54
Freedom Park	51.93
Heather Estates Park	.36
Ira Van Bullock Park	5.6
Ramblewood Park	.29
Rambo Park	2.1
Veterans Memorial Park	3.76
Oasis (green area)	.29
Chariot (green area)	.33
Friends (green area)	.24
Building Services (301 Swain Blvd)	0.03
Former City Hall (5985 10th Ave North)	1.02
Community Center (501 Swain Blvd)	0.69
Community Hall (501 Martin Ave)	0.08
Leisure Services (525 Swain Blvd)	0.09
Perry Building (500 Perry Ave)	0.08
Public Safety Station 1 (2995 Jog Road)	1.97
Public Safety Station 2 (5095 Haverhill Road)	0.41
Municipal Complex	6.9
Medians (Lake Worth Rd., 10th Ave North, Jog Rd., and Forest Hill Blvd)	9.39
A & B Canals	1.51
Original Section Alleyways	11.79
Empire Lake	2.0
Centurian Lake	1.5
Gladiator Lake	5.1
Freedom Park Lake	8.5
Municipal Complex Lake	4.6
Harwhich Court	0.2
Ramblewood Circle	0.1
Municipal Complex NW	0.22
Municipal Complex Central	0.17
Municipal Complex SW	0.18
Sherwood Forest Right of Way	6.49
10th Ave. North Right of Way	1.37
Biscayne Blvd Right of Way	1.10
Biscayne Drive Right of Way	0.91
Dillman Rd Right of Way	2.30
Dodd Rd Right of Way	0.80
Centurian Way Right of Way	0.32

Attachment 9: City of Greenacres Litter Control Program
Estimated Amount of Public Grounds Maintained

Public Area	Total Acreage
Empire Way Right of Way	1.42
Melaleuca Lane Right of Way	0.26
Wry Rd Right of Way	0.17
Harwhich Ct Green Area	0.13
Caesar Circle Green Area	0.62
Chariot Circle Green Area	0.15
Appian Circle Green Area	0.77
Fourth Street/Flemming Ave Right of Way	0.14
Dillman Rd Green Area	2.05
Former City Hall	1.02
Community Center	0.63
Community Hall and CARES Facility	0.17
Leisure Services Building	0.09
500 Perry Avenue Building	0.31
Public Safety Station 1	1.97
Public Safety Station 2	0.34
Municipal Complex	9.50
Total:	**180.20**

NPDES

Introduction

The Federal Clean Water Act of 1972 authorized the National Pollutant Discharge Elimination System (NPDES) program to protect the rivers lakes and coastal waters of the United States. The Florida Department of Environmental Protection (DEP) administers the NPDES program in the state of Florida.

The City of Greenacres is a co-permittee on the Palm Beach County Third Term MS4 (Municipal Separate Storm Sewer System), NPDES Permit No FLS000018-003. Northern Palm Beach County Improvement District (NPBCID) acts as lead permittee for the Palm Beach County group. A Steering Committee was formed in 1991 to coordinate and facilitate joint activities within the Palm Beach County MS4 NPDES program. Mock•Roos, Inc. acts as staff to the Steering Committee, assisting with the administration of the program.

The MS4 permit has many required activities and an annual report is required to be submitted that documents these activities.The Public Works Department is the lead department for NPDES reporting and activities for the city of Greenacres.

The report will cover NPDES activities during the fiscal year. Year one of the report will cover from March 2, 2011 to September 30, 2011.

The Building Department is responsible for developing and enforcing a construction site runoff program and shares responsibility for illicit discharges, hazardous spills, public outreach, and fertilizer/pesticide application.

Construction Site Runoff

General

The PBC MS4 NPDES permit includes requirements related to preventing and/or reducing pollutants in stormwater runoff from construction sites.
Effective May 1 2003, construction sites that will result in a disturbance of one acre or more, are required to seek coverage under the FDEP Generic Permit for Stormwater Discharge from Large and Small Construction Activities (CGP).

It is the CGP that includes the requirement that a Notice of Intent (NOI) and Notice of Termination (NOT) be submitted to FDEP. It is also the CGP that requires completion of a stormwater pollution prevention plan (SWPPP).

The PBC MS4 NPDES permit requirements related to construction site runoff include:

- Ordinances/codes requiring construction site planning approval and the use of structural and non-structural controls to prevent pollutants in construction site runoff
- A FDEP permit before land clearing, if one is required
- On-going evaluation of innovative structural and non-structural BMPs and new technologies

- Site inspections of construction projects to ensure compliance with co-permittee's development requirements and to verify that the SWPPP is on site if one is required
- An inspection log of all inspections conducted
- Use of a formalized inspection checklist for construction site inspections
- Annual training of all inspectors on proper building and construction stormwater management and erosion and sediment control BMPs AND on protocol for compliance
- Enforcement using notices of violation and/or stop work orders for those construction site operators which repeatedly fail to comply with approved erosion and sediment control BMPs
- Annual stormwater erosion and sediment control training program for construction site operators, engineers, and inspectors.
- Notification of building permit applicants of their responsibilities under the FDEP Generic Permit for Stormwater Discharge from Large and Small Construction

Ordinances
Greenacres City Code Chapter 7, Article IV contain the relevant city ordinance relating to stormwater.

Developer Notification
Projects requiring the use of a Generic Permit will be notified of this requirement by the Planning Department during the site plan approval process. The requirement will be stated in the staff report conditions of approval and developer will be notified verbally at Land Development Staff meetings.

Permits & Plans
All sites that will disturb soil will be reviewed for Best Management Practices. Prior to issuance of a Clearing permit, sites requiring the Use of Generic permit are required to submit two copies of the Pollution Prevention Plans and a copy of the Generic Permit information as approved by the State of Florida.

Permit Techs will process an SW type permit in the AS400 Permit Module. This permit will be issued to the Generic Permit responsible party. Codes for the permit are; SW0 Permit Issued, SW1 Notice of Intent received, SW2 PPP site inspection, and SW9 Final Notice of Termination received. Permit tech will automatically an initial SW2 inspection for the next business day after permit issuance.

Hard copies of permits and plans for all active jobsites will be kept in file cabinet drawer 11b in the Building Department. Permits and plans will be scanned into Laserfiche after the Certificate of Occupancy is issued and a Notice of Termination is received.

Site Inspection

Pre-Con Meeting
Prior to the start of construction, the contractor and/or the Generic Permit responsible party will have a pre-construction meeting at the site to verify all features of the plan are in place and to review required paperwork, inspections and department procedures.

First Inspection:

1. The inspector shall familiarize himself/herself with the Erosion and Sediment Control Plans and identify all BMPs prior to the initial site inspection.
2. At the time of inspection, the inspector shall meet the responsible party and review the plans on site. Items to "look for" in the initial meeting include:

    - City of Greenacres Storm-water (SW) Permit is displayed on site.
    - State of Florida Notice of Intent to Use Generic Permit (NOI) is posted on site.
    - Weekly maintenance reports filled out and available.
    - Copy of approved, stamped Erosion and Sediment Control Plans is maintained on site.
3. During the site inspection, ensure that all structural site erosion controls (BMPs) have been installed according to the approved plans.
4. All aspects of the inspection shall be documented using the inspection checklist and photos shall be taken of current site conditions.

Routine Inspection/Timing and Frequency of Inspections:

1. Site inspections shall be conducted on a routine basis throughout the duration of land-disturbing activity. The Building Inspector shall schedule these inspections in the AS400 Permit Module based on project phase (ie: during heavy grading activity more frequent inspections are required, once interior building activity has begun less frequent inspections are required). Wet-event inspections of construction sites shall be completed within 24-hours of appreciable rainfall event. The Plumbing Inspector shall also perform cursory SW inspections while at the site for any other underground plumbing inspection.
2. All information associated with site inspections shall be documented. Each inspection shall be recorded using the checklist form below. Items associated with the inspection shall be noted on the form. Copies of the checklist shall be left with the contractor or site attendant. Photos of the site shall be taken during the inspection. If there is nobody on site, the checklist should be left with the permit or sent by fax or by mail to the contractor's office.

Final Inspection:

1. The inspector shall conduct final inspection to confirm that the site, including the detention pond, is stable.
2. Final inspection should include landscape inspection, in which the inspector matches tree location and variety to the approved landscape/planting plan.
3. Detention pond should be measured to insure compliance with the approved plans (ie: size, shape, design). Emergency spillway should be installed per approved plan. Emergency spillway should consist of either a concrete flume or TRM-450 geotextile.
4. Geotextile material should be properly installed in drainage swales or emergency spillway per manufacturer's specifications.
5. Stormwater infrastructure should be inspected to insure that pipes are the size specified by the approved plans, all pipes and structures should be sealed and clear of sediment deposition.
6. Oil Skimmer baffles should be bolted and sealed.

7. Verify that site conditions (especially structures) match approved plans; revisions required either as-built or revised plans. All revisions shall be approved by the Plan Reviewer staff.
8. Obtain a copy of the Notice of Termination (NOT).

Method of Documentation

1. Upon returning to the office, site inspections shall be recorded in New World Systems (NWS) Permit Module database.
2. Photos shall be filed with the permit to be scanned into Laserfiche after final inspections.
3. The inspection checklists shall be filed with the permit to be scanned into Laserfiche after final inspections.

Compliance & Enforcement (Reporting of Violations)

1. Violations discovered during site inspections shall be duly noted. Application of levels of enforcement are as follows:
   First Offense: Written Correction Notice
   Second Offense: Written Correction Notice and $40 re-inspection fee.
   Third Offense: Written Correction Notice, $40 re-inspection fee.
   Fourth Offense: Written Correction Notice, $100 re-inspection fee, Stop Work Order issued until violation corrected. Possible issuance of Civil Penalty and/or start of code enforcement procedures per City Codes Sec 2-72 and 2-72.1.
2. Documentation is critical to effective enforcement. Advanced enforcement shall be documented for tracking purposes in an electronic database located in the Energov Code Enforcement Module.
3. It is the responsibility of the inspector to maintain time limits, specified by enforcement levels, and re-inspect on appropriate dates. Timely follow-up inspection is critical.

Permit Closure

Once final site inspection is completed, site matches approved plans or as-built have been approved for field changes, and a final Notice of Termination is received the Land Clearing Permit and SW Permit may be closed and the file scanned into Laserfiche.

Date: _____ **Time:** _____

Site: _____ **Permit No.:** _____

Inspector's Name: _____ **Site Operator's Name:** _____

Pollution Prevention Plan:

- ☐ The plan is on site
- ☐ Required revisions attached to plan
- ☐ Inspection reports attached to plan

Discharge Locations:

- ☐ Outlet free of obstructions
- ☐ Absence of sediment build-up
- ☐ Absence of undermining of structure
- ☐ Sediments are being maintained on site
- ☐ Erosion controls installed properly
- ☐ Turbidity level acceptable
- ☐ Turbidity barrier functioning

Comments:

Disturbed Areas (stabilization measures):

Grading	☐	Graded areas free of debris (rocks, roots, trash, etc.)
	☐	Rough grading temporarily seeded/Final grading seeded or sodded
Hay Bales	☐	installed per design & specifications
	☐	free of accumulated sediments
	☐	trenched in, back filled and compacted
	☐	replaced where rotten or saturated
	☐	installed without gaps between bales
Silt Fence	☐	installed per design & specifications (fabric, wire, stakes, spacing, etc.)
	☐	bottom trenched in a minimum of 4 inches
	☐	free of splicing between sections
	☐	secured adequately (cannot be pulled out with one hand)
	☐	free of accumulated sediments
	☐	fabric and stakes in good condition
Swales	☐	stabilized
	☐	free of sediment or debris
	☐	free of ponding
	☐	constructed at design elevation

Vehicle Ingress/Egress Locations:

- ☐ Built per design, specifications and stabilized
- ☐ Maintenance is being performed (raking, adding more stone, etc.)
- ☐ Use of wash rack and proper discharge of wash water
- ☐ Affected street(s) swept to remove excess stones and sediments

Comments:

Materials Storage Areas:

- ☐ Debris and stock piles maintained properly
- ☐ Materials stored properly
- ☐ No evidence of spills
- ☐ Secondary containment of on-site fueling tanks
- ☐ Spill response equipment and materials on site

Structural Control Devices:

- ☐ Sediment traps used and installed properly
- ☐ Stormwater Basins constructed to proper elevation and side slopes
- ☐ Flooding absent around or within inlet
- ☐ Inlet free of erosion
- ☐ Inlet free of debris and/or sediment
- ☐ Inlet at design elevation
- ☐ All hardware and equipment installed per design
- ☐ Perimeter berm at design elevation
- ☐ Perimeter berm compacted and stabilized

Other:

- ☐ Dewatering operation per plan and discharge free of turbidity
- ☐ Sanitary facilities maintained properly
- ☐ Original permitted plans implemented without major change(s)
- ☐ Offsite area(s) free of impact(s) due to construction
- ☐ Litter control

Comments:

Additional Comments:

Enforcement Action:

Inspector's Signature: _____ **Date:** _____

2012 Illicit Discharge Citizen Complaint/Employee Discovery Log

Date	Complaint Information	Location	Nature of Complaint	Inspection Findings	Action Taken	Follow up

Date	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments
7/10/12	WN	B-04	10-1	Curb Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	B-04	10-5	Curb Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	B-04	MH-10-2	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/10/12	WN	B-04	MH-10-3	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/10/12	WN	B-04	MH-10-4	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/10/12	WN	B-05	10-10	Ditch Bottom Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	B-05	10-12	Curb Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	B-05	10-14	Ditch Bottom Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	B-05	10-15	Curb Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	B-05	10-17	Curb Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	B-05	10-19	Ditch Bottom Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	B-05	10-21	Curb Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	B-05	10-23	Ditch Bottom Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	B-05	10-28	Ditch Bottom Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	B-05	10-7	Ditch Bottom Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	B-05	10-9	Curb Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	B-05	MH-10-11	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/10/12	WN	B-05	MH-10-13	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/10/12	WN	B-05	MH-10-16	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/10/12	WN	B-05	MH-10-18	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/10/12	WN	B-05	MH-10-20	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/10/12	WN	B-05	MH-10-22	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/10/12	WN	B-05	MH-10-24	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/10/12	WN	B-05	MH-10-6	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/10/12	WN	B-05	MH-10-8	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/10/12	WN	B-05	OF-10-1	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	B-06	10-25	Ditch Bottom Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	B-06	10-26	Curb Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	B-06	MH-10-27	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/10/12	WN	B-06	MH-10-29	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/10/12	WN	E-06	15-10	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	E-06	15-1A	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	E-06	15-1B	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	E-06	15-2	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	E-06	15-3	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	E-06	15-4	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	E-06	15-5	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	E-06	15-6	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	E-06	15-7	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	E-06	15-8	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	E-06	15-9	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	E-06	MH-15-2	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/10/12	WN	E-06	MH-15-4	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/10/12	WN	E-06	OF-15-17	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	E-06	OF-15-1A	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	E-06	OF-15-1B	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	E-06	OF-15-2	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	E-06	OF-15-3	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-04	16-1	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-04	16-10	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-04	16-11	Inlet	GOOD	WET	NO	NO	NONE			

Date	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments
7/10/12	WN	F-04	16-12	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-04	16-13	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-04	16-14	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-04	16-2	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-04	16-3	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-04	16-6	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-04	16-7	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-04	16-8	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-04	MH-16-9	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/10/12	WN	F-04	OF-16-5	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-04	OF-16-10	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-04	OF-16-13	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-04	OF-16-14	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-05	16-4	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-05	16-5	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-06	15-11	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-06	15-12	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-06	10-13	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-06	10-14	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-06	10-15	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-06	10-16	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-06	15-17	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	F-06	OF-15-10	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	22-10	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	22-10	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	22-11	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	22-12	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	22-13	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	22-14	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	22-15	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	22-1A	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	22-1B	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	22-1	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	22-2	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	22-3	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	22-4A	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	22-4B	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	22-4C	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	22-5	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	22-6	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	22-7	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	22-8	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	CS-01	Control Structure	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	OF-22-10	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	OF-22-2	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-05	OF-CS-01	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-06	22-16	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-06	22-17	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-06	22-18	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-06	22-19	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-06	22-20	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-06	22-21	Inlet	GOOD	WET	NO	NO	NONE			

Date	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments
7/10/12	WN	H-06	22-22	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-06	22-23	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-06	23-0A	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-06	23-0B	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-06	OF-22-18	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-06	OF-22-19	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-06	OF-22-20	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-06	OF-22-22	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-0C	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-0D	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-0E	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-0F	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-0G	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-167A	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-167B	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-172A	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-172B	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-172C	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-173A	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-173B	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-1A	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-1B	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-2A	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-2B	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-3	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-4	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-5	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-6	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-7	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	23-8	Inlet	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	CS-13	Control Structure	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	MH- 23-4	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/10/12	WN	H-07	MH-23-173C	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/10/12	WN	H-07	OF-23-0F	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	OF-23-170	Outfall	GOOD	WET	NO	NO	NONE			
7/10/12	WN	H-07	OF-26-7	Outfall	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-10	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-11	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-11A	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-11D	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-11E	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-140	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-141	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-146	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-146B	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-146C	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-146D	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-147	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-148	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-149	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-150	Inlet	GOOD	WET	NO	NO	NONE			

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7/18/12	WN	H-08	23-150A	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-151	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-152	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-153	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-157	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-16	Inlet	GOOD	WET	NO	NO	NONE			
7/18/12	WN	H-08	23-163	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	23-164	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	23-165	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	23-166	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	23-168A	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	23-168B	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	23-169A	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	23-169B	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	23-17	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	23-170A	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	23-170B	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	23-171A	Inlet	GOOD	DRY	NO	NO	JET/VAC			Jet out to outfall
7/19/12	WN	H-08	23-171B	Inlet	GOOD	DRY	NO	NO	JET/VAC			Jet out to outfall
7/19/12	WN	H-08	23-174A	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	23-174B	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	23-175A	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	23-175B	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	23-176A	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	23-176B	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	23-177A	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	23-177B	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	23-9	Inlet	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	CS-05	Control Structure	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	CS-06	Control Structure	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	CS-07	Control Structure	GOOD	WET	NO	NO	NONE			
7/19/12	WN	H-08	CS-09	Control Structure	GOOD	WET	NO	NO	NONE			
7/23/12	WN	H-08	CS-10	Control Structure	GOOD	WET	NO	NO	NONE			
7/23/12	WN	H-08	CS-11	Control Structure	GOOD	WET	NO	NO	NONE			
7/23/12	WN	H-08	CS-12	Control Structure	GOOD	WET	NO	NO	NONE			
7/23/12	WN	H-08	MH-23-11B	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/23/12	WN	H-08	MH-23-11C	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/23/12	WN	H-08	MH-23-142	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/23/12	WN	H-08	OF-23-171	Outfall	GOOD	WET	NO	NO	NONE			
7/23/12	WN	H-08	OF-23-172	Outfall	GOOD	WET	NO	NO	NONE			
7/23/12	WN	H-08	OF-23-173	Outfall	GOOD	WET	NO	NO	NONE			
7/23/12	WN	H-08	OF-23-174	Outfall	GOOD	WET	NO	NO	NONE			
7/23/12	WN	H-08	OF-23-175	Outfall	GOOD	WET	NO	NO	NONE			
7/23/12	WN	H-08	OF-23-176	Outfall	GOOD	WET	NO	NO	NONE			
7/23/12	WN	H-08	OF-23-177	Outfall	GOOD	WET	NO	NO	NONE			
7/23/12	WN	H-08	OF-23-178	Outfall	GOOD	WET	NO	NO	NONE			
7/23/12	WN	I-05	22-24	Inlet	GOOD	WET	NO	NO	NONE			
7/23/12	WN	I-05	22-25	Inlet	GOOD	WET	NO	NO	NONE			
7/23/12	WN	I-05	22-26	Inlet	GOOD	WET	NO	NO	NONE			
7/23/12	WN	I-05	22-27	Inlet	GOOD	WET	NO	NO	NONE			
7/23/12	WN	I-05	22-28	Inlet	GOOD	WET	NO	NO	NONE			

Date	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments
7/23/12	WN	I-05	22-30	Inlet	GOOD	WET	NO	NO	NONE			
7/23/12	WN	I-05	22-31A	Inlet	GOOD	WET	NO	NO	NONE			
7/23/12	WN	I-05	22-31B	Inlet	GOOD	WET	NO	NO	NONE			
7/23/12	WN	I-05	22-34	Inlet	GOOD	WET	NO	NO	NONE			
7/23/12	WN	I-05	23-115	Inlet	GOOD	WET	NO	NO	NONE			
7/23/12	WN	I-05	OF-22-31	Outfall	GOOD	WET	NO	NO	NONE			
7/23/12	WN	I-05	OF-22-34	Outfall	GOOD	WET	NO	NO	NONE			
7/24/12	WN	l-05	22-29	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	22-52	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	22-53	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	22-55	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	22-56	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	22-60	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	22-61	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	22-65	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	22-66	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	22-83A	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	22-83B	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	22-83C	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	22-84	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	22-85	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	22-86	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	22-87	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	22-88	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	23-26	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	23-27	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	MH-22-53	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/24/12	WN	I-06	MH-22-54	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/24/12	WN	I-06	MH-22-59	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/24/12	WN	I-06	MH-22-84A	Manhole	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	OF-22-66	Outfall	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-06	OF-23-26	Outfall	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-07	23-12	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-07	23-13	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-07	23-28	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-07	23-29	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-07	23-30	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-07	23-31	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-07	23-32	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-07	23-33	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-07	23-34	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-07	23-35	Inlet	GOOD	WET	NO	NO	NONE			
7/24/12	WN	I-07	23-36	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-07	23-37A	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-07	23-37B	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-07	23-37C	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-07	23-38	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-07	23-39	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-07	23-40	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-07	23-42	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-07	23-42A	Inlet	GOOD	WET	NO	NO	NONE			

Date	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments
7/25/12	WN	I-07	OF-23-12	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-07	OF-23-13	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-07	OF-23-137	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-07	OF-23-31	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-07	OF-23-32	Outfall	RUSTED	WET	NO	NO	YES		YES/CIP	REPAIRS TO BE COMPLETED 2013
7/25/12	WN	I-07	OF-23-34	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-07	OF-23-37C	Outfall	RUSTED	WET	NO	NO	YES		YES/CIP	REPAIRS TO BE COMPLETED 2013
7/25/12	WN	I-07	OF-23-38	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-07	OF-23-42	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-07	OF-23-42A	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-113	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-114	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-143	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-144	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-145	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-14A	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-14B	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-15	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-154	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-155	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-156	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-18A	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-18B	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-18D	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-18E	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-19	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-20	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-21	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-22	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-22A	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-23	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-23A	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-24	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-43	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-44	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-45	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-46	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-47	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-49	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-50	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-51	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-52	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-55	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-56	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-57	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-59	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-60A	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-60B	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-62	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-64	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-66	Inlet	GOOD	WET	NO	NO	NONE			

Date	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments
7/25/12	WN	I-08	23-68	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-69	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-71	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-72	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-74	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-76	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-77	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-78	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-79	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-80	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-81	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	23-83	Inlet	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	OF-23-43A	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	OF-23-43B	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	OF-23-45	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	OF-23-46	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	OF-23-47	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	OF-23-48	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	OF-23-49	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	OF-23-53	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	OF-23-54	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	OF-23-55	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	OF-23-57	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	OF-23-58	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	OF-23-59	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	OF-23-62	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	OF-23-64	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	OF-23-65	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	OF-23-66	Outfall	GOOD	WET	NO	NO	NONE			
7/25/12	WN	I-08	OF-23-68	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	I-08	OF-23-71	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	I-08	OF-23-74	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	I-08	OF-23-76	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	I-08	OF-23-80	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	I-08	OF-23-81	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	I-08	OF-23-82	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	I-08	OF-23-83	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	22-32	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	22-33	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	22-36	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	22-37	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	22-37A	Control Structure	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	22-38	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	22-39	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	22-41	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	22-42	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	22-44	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	22-45	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	22-46	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	22-47A	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	22-47B	Inlet	GOOD	WET	NO	NO	NONE			

Date	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments
7/26/12	WN	J-05	22-48	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	22-49	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	22-50	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	22-51	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	CS-02	Control Structure	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	MH-22-35	Manhole	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	OF-22-37	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	0F-22-39	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	OF-22-42	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-05	OF-22-44	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	22-67	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	22-68	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	22-69	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	22-70	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	22-70A	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	22-70B	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	22-71	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	22-72	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	22-73	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	22-74	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	22-75	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	22-76	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	22-77	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	22-78	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	22-79	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	22-80	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	22-81	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	23-87B	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	23-87C	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	23-88A	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	MH-22-71A	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/26/12	WN	J-06	MH-22-82	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/26/12	WN	J-06	OF-22-67	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	OF-22-70	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-06	OF-22-82	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-103	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-106	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-124	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-125	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-158	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-159	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-160	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-161	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-162	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-162A	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-162B	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-84	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-85A	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-85B	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-86	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-87A	Inlet	GOOD	WET	NO	NO	NONE			

Date	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments
7/26/12	WN	J-07	23-88B	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-89	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-90	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-91A	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-91B	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-92	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-93A	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-93B	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-93C	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-94A	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-94B	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-95	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-96	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-97	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-98	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-99	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-100	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-105	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-105A	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-105B	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-105C	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-105D	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-106	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-107	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF23-107A	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-107B	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-107C	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-107D	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-158	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-160	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-84	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-89	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-90	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-95	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-96	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-96A	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-96B	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-96C	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-97	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-98	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-98A	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	OF-23-99	Outfall	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-105A	INLET	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-105B	INLET	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-105C	INLET	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-105D	INLET	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-103A	INLET	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-103B	INLET	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-07	23-103C	INLET	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-107	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-108	Inlet	GOOD	WET	NO	NO	NONE			

Date	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments
7/26/12	WN	J-08	23-109	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-110	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-111A	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-111B	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-112A	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-112B	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-116	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-117	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-118A	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-118B	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-119A	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-119B	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-120	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-121	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-122A	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-122B	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-123A	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-123B	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-126	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-127	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-128	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-129	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-130	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-131	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-132	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-133	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-134	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-135	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-136	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-137	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-138	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-139	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-151B	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	23-151C	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	24-1A	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	24-1B	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	24-2A	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	24-2B	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	24-3A	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	24-3B	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-08	MH-24-1	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/26/12	WN	J-08	MH-24-3	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/26/12	WN	J-09	24-15	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-16	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-17	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-28	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-29	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-30	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-33	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-34	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-35	Inlet	GOOD	WET	NO	NO	NONE			

Date	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments
7/26/12	WN	J-09	24-36	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-36A	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-37	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-38	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-39	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-4	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-40	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-41	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-42	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-43	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-44	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-5	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-6	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-7	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	24-8	Inlet	GOOD	WET	NO	NO	NONE			
7/26/12	WN	J-09	MH-24-36	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/26/12	WN	J-09	MH-24-4	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/26/12	WN	J-09	MH-24-6	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/26/12	WN	K-07	26-1	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-07	26-2	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-07	26-3A	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-07	26-3B	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-07	26-4A	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-07	26-4B	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-07	26-5	Inlet	GOOD	WET	None	SEDIMENT	JET&VAC			Jet pipe to outfall
7/30/12	WN	K-07	26-6	Inlet	GOOD	WET	None	SEDIMENT	JET&VAC			Jet pipe to outfall
7/30/12	WN	K-07	26-7	Inlet	GOOD	WET	None	SEDIMENT	JET&VAC			Jet pipe to outfall
7/30/12	WN	K-07	MH-26-2	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/30/12	WN	K-07	MH-26-3	Manhole	GOOD	N/A	N/A	N/A	NONE			
7/30/12	WN	K-08	26-25	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-08	OF-23-139	Outfall	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	25-10	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	25-11	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	25-12	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	25-13	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	25-14	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	25-1A	Inlet	GOOD	WET	None	SEDIMENT	JET&VAC			
7/30/12	WN	K-09	25-1B	Inlet	GOOD	WET	None	SEDIMENT	JET&VAC			
7/30/12	WN	K-09	25-1C	Inlet	GOOD	WET	None	SEDIMENT	JET&VAC			Jet pipe to outfall
7/30/12	WN	K-09	25-2	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	25-3	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	25-4	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	25-49	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	25-5	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	25-50	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	25-51	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	25-52	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	25-6	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	25-7	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	25-8	Inlet	GOOD	WET	NO	NO	NONE			

Date	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments
7/30/12	WN	K-09	25-9	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	CS-03	Control Structure	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	OF-25-12	Outfall	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	OF-25-13	Outfall	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	OF-25-1C	Outfall	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	OF-25-2L	Outfall	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	OF-25-52	Outfall	GOOD	WET	NO	NO	NONE			
7/30/12	WN	K-09	OF-CS-03	Outfall	GOOD	WET	NO	NO	NONE			
7/30/12	NEW	K-09	OF-25-2	Outfall	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-06	26-10	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-06	26-11	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-06	26-12	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-06	26-8A	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-06	26-8B	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-06	26-9	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-06	27-1	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-06	27-2	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-07	26-8C	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-07	26-8D	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	NEW	L-07	OF-26-7	Outfall	?	WET	N/A	NO	?			Check Outfall when Jetting
7/30/12	WN	L-08	25-19	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-08	25-20	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-08	25-21	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-08	25-22	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-08	25-23	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-09	25-24	Inlet	Good	WET	None	Yes	Jet/Vac			Jet to outfall / Check Outfall when Jetting
7/30/12	WN	L-08	25-25	Inlet	Good	WET	None	Yes	Jet/Vac			
7/30/12	WN	L-08	25-31	Inlet	Good	WET	None	Yes	Jet/Vac			Jet to outfall / Check Outfall when Jetting
7/30/12	WN	L-08	25-32	Inlet	Good	WET	None	Yes	Jet/Vac			
7/30/12	WN	L-08	OF-25-31	Outfall	?	YES	None	?	Jet			Check when Jeting
7/30/12	WN	L-09	25-15	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-09	25-16	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-09	25-17	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-09	25-18	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-09	25-26	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-09	25-17	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-09	25-28	Inlet	Good	WET	None	Yes	Jet/Vac			
7/30/12	WN	L-09	25-29	Inlet	Good	WET	None	Yes	Jet/Vac			
7/30/12	WN	L-09	25-30	Inlet	Good	WET	None	Yes	Jet/Vac			Jet to outfall
7/30/12	WN	L-09	25-33	Inlet	Good	WET	None	Yes	Jet/Vac			Jet to outfall
7/30/12	WN	L-09	25-34	Inlet	Good	WET	None	Yes	Jet/Vac			
7/30/12	WN	L-09	25-35	Inlet	Good	WET	None	Yes	Jet/Vac			
7/30/12	WN	L-09	25-35A	Inlet	Good	WET	None	Yes	Jet/Vac			
7/30/12	WN	L-09	25-36	Inlet	Good	WET	None	Yes	Jet/Vac			
7/30/12	WN	L-09	25-46E	Inlet	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-09	CS-04	Control Structure	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-09	OF-25-17	Outfall	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-09	OF-25-23	Outfall	DAMAGED	WET	NO	NO	YES			JET/TV REPAIR FY 2013
7/30/12	WN	L-09	OF-25-24	Outfall	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-09	OF-25-30	Outfall	GOOD	WET	NO	NO	NONE			
7/30/12	WN	L-09	OF-DET-02	Outfall	GOOD	WET	NO	NO	NONE			

Date	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments
7/30/12	WN	L-09	OF-25-33	Outfall	Good	WET	None	NO	Jet			
7/30/12	WN	L-09	25-27	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-06	26-13	Inlet	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-06	26-14	Inlet	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-06	26-15	Inlet	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-06	26-16	Inlet	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-06	26-17	Inlet	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-06	26-18	Inlet	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-06	OF-26-18	Outfall	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-07	CS-14	Control Structure	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-07	26-27	Inlet	Good	WET	None	Yes	Jet/Vac			
8/1/12	WN	M-07	26-28	Inlet	Good	WET	None	Yes	Jet/Vac			
8/1/12	WN	M-07	26-37	INLET	Good	WET	NO	Yes	Jet/Vac			Jet to outfall
8/1/12	WN	M-07	26-36	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-07	26-38	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-07	26-39	INLET	Good	WET	None	Yes	Jet/Vac			
8/1/12	WN	M-07	26-33	INLET	Good	WET	None	Yes	Jet/Vac			
8/1/12	WN	M-07	26-29	INLET	Good	WET	None	Yes	Jet/Vac			
8/1/12	WN	M-07	26-30	INLET	Good	WET	None	Yes	Jet/Vac			
8/1/12	WN	M-07	26-32	INLET	Good	WET	None	Yes	Jet/Vac			
8/1/12	WN	M-07	26-35	INLET	Good	WET	None	Yes	Jet/Vac			
8/1/12	WN	M-07	26-34	INLET	Good	WET	None	Yes	Jet/Vac			
8/1/12	WN	M-07	26-31	INLET	Good	WET	None	Yes	Jet/Vac			
8/1/12	WN	M-07	OF-14	Outfall	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-08	MH-25-38	Manhole	N/A	N/A	N/A	N/A	NONE			Locate Manhole
8/1/12	WN	M-08	25-40	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-08	25-39	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-08	25-37	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-08	25-38	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-08	OF-25-38	Outfall	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-08	25-37	INLET	Good	WET	None	Yes	Jet/Vac			
8/1/12	WN	M-08	25-38	INLET	Good	WET	None	Yes	Jet/Vac			Jet pipe to outfall / Check for outfal l at Lake
8/1/12	WN	M-08	25-40	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-08	25-39	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-08	MH-25-38	Manhole	?	?	?	?	Locate			Jet & Vac
8/1/12	WN	M-08	OF-25-39	Outfall	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-09	25-46D	Inlet	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-09	OF-25-41	Outfall	Good	WET	N/A	N/A	JET			Will be Jetted when 25-41 is cleaned
8/1/12	WN	M-09	25-48	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-09	25-47	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-09	25-46A	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-09	25-46B	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-09	25-46C	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-09	25-46	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-09	25-45	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	M-09	25-44	INLET	Good	WET	None	Yes	Jet/Vac			
8/1/12	WN	M-09	25-43	INLET	Good	WET	None	Yes	Jet/Vac			
8/1/12	WN	M-09	25-42	INLET	Good	WET	None	Yes	Jet/Vac			
8/1/12	WN	M-09	25-41	INLET	Good	WET	None	Yes	Jet/Vac			
8/1/12	WN	N-08	26-19	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	N-08	26-20	INLET	GOOD	WET	NO	NO	NONE			

Date	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments
8/1/12	WN	N-08	26-21	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	N-08	26-22	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	N-08	26-23	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	N-08	26-24	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	N-08	26-25	INLET	GOOD	WET	NO	NO	NONE			
8/1/12	WN	L-09	25-24	Inlet	GOOD	WET	NO	NO	NONE			

GIS SmartMap Book Page #	Structure ID	Type	Major Outfall?	Minor Outfall?	Size?	Pipe Length
B-05	OF-10-1	Outfall	Yes	No	54"	
H-06	OF-22-18	Outfall	Yes	No	36"	
H-06	OF-22-19	Outfall	Yes	No	36"	
I-06	OF-22-66	Outfall	Yes	No	36"	
J-06	OF-22-67	Outfall	Yes	No	42"	
H-08	OF-23-171	Outfall	Yes	No	36"	
H-08	OF-23-175	Outfall	Yes	No	36"	
H-08	OF-23-177	Outfall	Yes	No	36"	

GIS SmartMap Book Page #	Structure ID	Type
H-05	CS-01	Control Structure
J-05	CS-02	Control Structure
K-09	CS-03	Control Structure
L-09	CS-04	Control Structure
H-08	CS-05	Control Structure
H-08	CS-06	Control Structure
H-08	CS-07	Control Structure
H-08	CS-09	Control Structure
H-08	CS-10	Control Structure
H-08	CS-11	Control Structure
H-08	CS-12	Control Structure
I-07	CS-29	Control Structure
H-07	CS-13	Control Structure

GIS SmartMap Book Page #	Structure ID	Type
B-04	10-1	Curb Inlet
B-05	10-10	Ditch Bottom Inlet
B-05	10-12	Curb Inlet
B-05	10-14	Ditch Bottom Inlet
B-05	10-15	Curb Inlet
B-05	10-17	Curb Inlet
B-05	10-19	Ditch Bottom Inlet
B-05	10-21	Curb Inlet
B-05	10-23	Ditch Bottom Inlet
B-06	10-25	Ditch Bottom Inlet
B-06	10-26	Curb Inlet
B-05	10-28	Ditch Bottom Inlet
B-04	10-5	Curb Inlet
B-05	10-7	Ditch Bottom Inlet
B-05	10-9	Curb Inlet
E-06	15-10	Inlet
F-06	15-11	Inlet
F-06	15-12	Inlet
F-06	10-13	Inlet
F-06	10-14	Inlet
F-06	10-15	Inlet
F-06	10-16	Inlet
E-06	15-17	Inlet
E-06	15-1A	Inlet
E-06	15-1B	Inlet
E-06	15-2	Inlet
E-06	15-3	Inlet
E-06	15-4	Inlet
E-06	15-5	Inlet
E-06	15-6	Inlet
E-06	15-7	Inlet
E-06	15-8	Inlet
E-06	15-9	Inlet
F-04	16-1	Inlet
F-04	16-10	Inlet
F-04	16-11	Inlet
F-04	16-12	Inlet
F-04	16-13	Inlet
F-04	16-14	Inlet
F-04	16-2	Inlet
F-04	16-3	Inlet
F-05	16-4	Inlet
F-05	16-5	Inlet
F-04	16-6	Inlet
F-04	16-7	Inlet
F-04	16-8	Inlet
H-05	22-10	Inlet
H-05	22-11	Inlet
H-05	22-12	Inlet
H-05	22-13	Inlet
H-05	22-14	Inlet

GIS SmartMap Book Page #	Structure ID	Type
H-05	22-15	Inlet
H-06	22-16	Inlet
H-06	22-17	Inlet
H-06	22-18	Inlet
H-06	22-19	Inlet
H-05	22-1A	Inlet
H-05	22-1B	Inlet
H-05	22-1	Inlet
H-05	22-2	Inlet
H-06	22-20	Inlet
H-06	22-21	Inlet
H-06	22-22	Inlet
H-06	22-23	Inlet
I-05	22-24	Inlet
I-05	22-25	Inlet
I-05	22-26	Inlet
I-05	22-27	Inlet
I-05	22-28	Inlet
I-05	22-29	Inlet
H-05	22-3	Inlet
I-05	22-30	Inlet
I-05	22-31A	Inlet
I-05	22-31B	Inlet
J-05	22-32	Inlet
J-05	22-33	Inlet
I-05	22-34	Inlet
J-05	22-36	Inlet
J-05	22-37	Inlet
J-05	22-38	Inlet
J-05	22-39	Inlet
J-05	22-41	Inlet
J-05	22-42	Inlet
J-05	22-44	Inlet
J-05	22-45	Inlet
J-05	22-46	Inlet
J-05	22-47A	Inlet
J-05	22-47B	Inlet
J-05	22-48	Inlet
J-05	22-49	Inlet
H-05	22-4A	Inlet
H-05	22-4B	Inlet
H-05	22-4C	Inlet
H-05	22-5	Inlet
J-05	22-50	Inlet
J-05	22-51	Inlet
I-06	22-52	Inlet
I-06	22-53	Inlet
I-06	22-55	Inlet
I-06	22-56	Inlet
H-05	22-6	Inlet
I-06	22-60	Inlet

GIS SmartMap Book Page #	Structure ID	Type
I-06	22-61	Inlet
I-06	22-65	Inlet
I-06	22-66	Inlet
J-06	22-67	Inlet
J-06	22-68	Inlet
J-06	22-69	Inlet
H-05	22-7	Inlet
J-06	22-70	Inlet
J-06	22-70A	Inlet
J-06	22-70B	Inlet
J-06	22-71	Inlet
J-06	22-72	Inlet
J-06	22-73	Inlet
J-06	22-74	Inlet
J-06	22-75	Inlet
J-06	22-76	Inlet
J-06	22-77	Inlet
J-06	22-78	Inlet
J-06	22-79	Inlet
H-05	22-8	Inlet
J-06	22-80	Inlet
J-06	22-81	Inlet
I-06	22-83A	Inlet
I-06	22-83B	Inlet
I-06	22-83C	Inlet
I-06	22-84	Inlet
I-06	22-85	Inlet
I-06	22-86	Inlet
I-06	22-87	Inlet
I-06	22-88	Inlet
H-06	23-0A	Inlet
H-06	23-0B	Inlet
H-07	23-0C	Inlet
H-07	23-0D	Inlet
H-07	23-0E	Inlet
H-07	23-0F	Inlet
H-07	23-0G	Inlet
H-08	23-10	Inlet
J-07	23-103	Inlet
J-07	23-106	Inlet
J-08	23-107	Inlet
J-08	23-108	Inlet
J-08	23-109	Inlet
H-08	23-11	Inlet
J-08	23-110	Inlet
J-08	23-111A	Inlet
J-08	23-111B	Inlet
J-08	23-112A	Inlet
J-08	23-112B	Inlet
I-08	23-113	Inlet
I-08	23-114	Inlet

GIS SmartMap Book Page #	Structure ID	Type
I-05	23-115	Inlet
J-08	23-116	Inlet
J-08	23-117	Inlet
J-08	23-118A	Inlet
J-08	23-118B	Inlet
J-08	23-119A	Inlet
J-08	23-119B	Inlet
H-08	23-11A	Inlet
H-08	23-11D	Inlet
H-08	23-11E	Inlet
I-07	23-12	Inlet
J-08	23-120	Inlet
J-08	23-121	Inlet
J-08	23-122A	Inlet
J-08	23-122B	Inlet
J-08	23-123A	Inlet
J-08	23-123B	Inlet
J-07	23-124	Inlet
J-07	23-125	Inlet
J-08	23-126	Inlet
J-08	23-127	Inlet
J-08	23-128	Inlet
J-08	23-129	Inlet
I-07	23-13	Inlet
J-08	23-130	Inlet
J-08	23-131	Inlet
J-08	23-132	Inlet
J-08	23-133	Inlet
J-08	23-134	Inlet
J-08	23-135	Inlet
J-08	23-136	Inlet
J-08	23-137	Inlet
J-08	23-138	Inlet
J-08	23-139	Inlet
H-08	23-140	Inlet
H-08	23-141	Inlet
I-08	23-143	Inlet
I-08	23-144	Inlet
I-08	23-145	Inlet
H-08	23-146	Inlet
H-08	23-146B	Inlet
H-08	23-146C	Inlet
H-08	23-146D	Inlet
H-08	23-147	Inlet
H-08	23-148	Inlet
H-08	23-149	Inlet
I-08	23-14A	Inlet
I-08	23-14B	Inlet
I-08	23-15	Inlet
H-08	23-150	Inlet
H-08	23-150A	Inlet

GIS SmartMap Book Page #	Structure ID	Type
H-08	23-151	Inlet
J-08	23-151B	Inlet
J-08	23-151C	Inlet
H-08	23-152	Inlet
H-08	23-153	Inlet
I-08	23-154	Inlet
I-08	23-155	Inlet
I-08	23-156	Inlet
H-08	23-157	Inlet
J-07	23-158	Inlet
J-07	23-159	Inlet
H-08	23-16	Inlet
J-07	23-160	Inlet
J-07	23-161	Inlet
J-07	23-162	Inlet
H-08	23-163	Inlet
H-08	23-164	Inlet
H-08	23-165	Inlet
H-08	23-166	Inlet
H-07	23-167A	Inlet
H-07	23-167B	Inlet
H-08	23-168A	Inlet
H-08	23-168B	Inlet
H-08	23-169A	Inlet
H-08	23-169B	Inlet
H-08	23-17	Inlet
H-08	23-170A	Inlet
H-08	23-170B	Inlet
H-08	23-171A	Inlet
H-08	23-171B	Inlet
H-07	23-172A	Inlet
H-07	23-172B	Inlet
H-07	23-172C	Inlet
H-07	23-173A	Inlet
H-07	23-173B	Inlet
H-08	23-174A	Inlet
H-08	23-174B	Inlet
H-08	23-175A	Inlet
H-08	23-175B	Inlet
H-08	23-176A	Inlet
H-08	23-176B	Inlet
H-08	23-177A	Inlet
H-08	23-177B	Inlet
I-08	23-18A	Inlet
I-08	23-18B	Inlet
I-08	23-18D	Inlet
I-08	23-18E	Inlet
I-08	23-19	Inlet
H-07	23-1A	Inlet
H-07	23-1B	Inlet
I-08	23-20	Inlet

GIS SmartMap Book Page #	Structure ID	Type
I-08	23-21	Inlet
I-08	23-22	Inlet
I-08	23-22A	Inlet
I-08	23-23	Inlet
I-08	23-23A	Inlet
I-08	23-24	Inlet
I-06	23-26	Inlet
I-06	23-27	Inlet
I-07	23-28	Inlet
I-07	23-29	Inlet
H-07	23-2A	Inlet
H-07	23-2B	Inlet
H-07	23-3	Inlet
I-07	23-30	Inlet
I-07	23-31	Inlet
I-07	23-32	Inlet
I-07	23-33	Inlet
I-07	23-34	Inlet
I-07	23-35	Inlet
I-07	23-36	Inlet
I-07	23-37A	Inlet
I-07	23-37B	Inlet
I-07	23-37C	Inlet
I-07	23-38	Inlet
I-07	23-39	Inlet
H-07	23-4	Inlet
I-07	23-40	Inlet
I-07	23-42	Inlet
I-07	23-42A	Inlet
I-08	23-43	Inlet
I-08	23-44	Inlet
I-08	23-45	Inlet
I-08	23-46	Inlet
I-08	23-47	Inlet
I-08	23-49	Inlet
H-07	23-5	Inlet
I-08	23-50	Inlet
I-08	23-51	Inlet
I-08	23-52	Inlet
I-08	23-51	Inlet
I-08	23-55	Inlet
I-08	23-56	Inlet
I-08	23-57	Inlet
I-08	23-59	Inlet
H-07	23-6	Inlet
I-08	23-60A	Inlet
I-08	23-60B	Inlet
I-08	23-62	Inlet
I-08	23-64	Inlet
I-08	23-66	Inlet
I-08	23-68	Inlet

GIS SmartMap Book Page #	Structure ID	Type
I-08	23-69	Inlet
H-07	23-7	Inlet
I-08	23-71	Inlet
I-08	23-72	Inlet
I-08	23-74	Inlet
I-08	23-76	Inlet
I-08	23-77	Inlet
I-08	23-78	Inlet
I-08	23-79	Inlet
H-07	23-8	Inlet
I-08	23-80	Inlet
I-08	23-80	Inlet
I-08	23-81	Inlet
I-08	23-83	Inlet
J-07	23-84	Inlet
J-07	23-85A	Inlet
J-07	23-85B	Inlet
J-07	23-86	Inlet
J-07	23-87A	Inlet
J-07	23-87B	Inlet
J-06	23-87C	Inlet
J-06	23-88A	Inlet
J-07	23-88B	Inlet
J-07	23-89	Inlet
H-08	23-9	Inlet
J-07	23-90	Inlet
J-07	23-91A	Inlet
J-07	23-91B	Inlet
J-07	23-92	Inlet
J-07	23-93A	Inlet
J-07	23-93B	Inlet
J-07	23-93C	Inlet
J-07	23-94A	Inlet
J-07	23-94B	Inlet
J-07	23-95	Inlet
J-07	23-96	Inlet
J-07	23-97	Inlet
J-07	23-98	Inlet
J-07	23-99	Inlet
J-09	24-15	Inlet
J-09	24-16	Inlet
J-09	24-17	Inlet
J-08	24-1A	Inlet
J-08	24-1B	Inlet
J-09	24-28	Inlet
J-09	24-29	Inlet
J-08	24-2A	Inlet
J-08	24-2B	Inlet
J-09	24-30	Inlet
J-09	24-33	Inlet
J-09	24-34	Inlet

GIS SmartMap Book Page #	Structure ID	Type
J-09	24-35	Inlet
J-09	24-36	Inlet
J-09	24-36A	Inlet
J-09	24-37	Inlet
J-09	24-38	Inlet
J-09	24-39	Inlet
J-08	24-3A	Inlet
J-08	24-3B	Inlet
J-09	24-4	Inlet
J-09	24-40	Inlet
J-09	24-41	Inlet
J-09	24-42	Inlet
J-09	24-43	Inlet
J-09	24-44	Inlet
J-09	24-5	Inlet
J-09	24-6	Inlet
J-09	24-7	Inlet
J-09	24-8	Inlet
K-09	25-10	Inlet
K-09	25-11	Inlet
K-09	25-12	Inlet
K-09	25-13	Inlet
K-09	25-14	Inlet
L-09	25-15	Inlet
L-09	25-16	Inlet
L-09	25-17	Inlet
L-09	25-18	Inlet
L-08	25-19	Inlet
K-09	25-1A	Inlet
K-09	25-1B	Inlet
K-09	25-1C	Inlet
K-09	25-2	Inlet
L-08	25-20	Inlet
L-08	25-21	Inlet
L-08	25-22	Inlet
L-08	25-23	Inlet
L-09	25-25	Inlet
L-09	25-26	Inlet
L-09	25-17	Inlet
L-09	25-28	Inlet
L-09	25-29	Inlet
K-09	25-3	Inlet
L-09	25-30	Inlet
L-08	25-31	Inlet
L-08	25-32	Inlet
L-09	25-33	Inlet
L-09	25-34	Inlet
L-09	25-35	Inlet
L-09	25-36	Inlet
K-09	25-4	Inlet
M-09	25-46D	Inlet

GIS SmartMap Book Page #	Structure ID	Type
L-09	25-46E	Inlet
K-09	25-49	Inlet
K-09	25-5	Inlet
K-09	25-50	Inlet
K-09	25-51	Inlet
K-09	25-52	Inlet
K-09	25-6	Inlet
K-09	25-7	Inlet
K-09	25-8	Inlet
K-09	25-9	Inlet
K-07	26-1	Inlet
L-06	26-10	Inlet
L-06	26-11	Inlet
L-06	26-12	Inlet
M-06	26-13	Inlet
M-06	26-14	Inlet
M-06	26-15	Inlet
M-06	26-16	Inlet
M-06	26-17	Inlet
M-06	26-18	Inlet
K-07	26-2	Inlet
K-08	26-25	Inlet
M-07	26-27	Inlet
M-07	26-28	Inlet
K-07	26-3A	Inlet
K-07	26-3B	Inlet
K-07	26-4A	Inlet
K-07	26-4B	Inlet
K-07	26-5	Inlet
K-07	26-6	Inlet
K-07	26-7	Inlet
L-06	26-8A	Inlet
L-06	26-8B	Inlet
L-07	26-8C	Inlet
L-07	26-8D	Inlet
L-06	26-9	Inlet
L-06	27-1	Inlet
L-06	27-2	Inlet
H-07	MH- 23-4	Manhole
B-05	MH-10-11	Manhole
B-05	MH-10-13	Manhole
B-05	MH-10-16	Manhole
B-05	MH-10-18	Manhole
B-04	MH-10-2	Manhole
B-05	MH-10-20	Manhole
B-05	MH-10-22	Manhole
B-05	MH-10-24	Manhole
B-06	MH-10-27	Manhole
B-06	MH-10-29	Manhole
B-04	MH-10-3	Manhole
B-04	MH-10-4	Manhole

GIS SmartMap Book Page #	Structure ID	Type
B-05	MH-10-6	Manhole
B-05	MH-10-8	Manhole
E-06	MH-15-2	Manhole
E-06	MH-15-4	Manhole
F-04	MH-16-9	Manhole
J-05	MH-22-35	Manhole
I-06	MH-22-53	Manhole
I-06	MH-22-54	Manhole
I-06	MH-22-59	Manhole
J-06	MH-22-71A	Manhole
J-06	MH-22-82	Manhole
I-06	MH-22-84A	Manhole
H-08	MH-23-11B	Manhole
H-08	MH-23-11C	Manhole
H-08	MH-23-142	Manhole
H-07	MH-23-173C	Manhole
J-08	MH-24-1	Manhole
J-08	MH-24-3	Manhole
J-09	MH-24-36	Manhole
J-09	MH-24-4	Manhole
J-09	MH-24-6	Manhole
K-07	MH-26-2	Manhole
K-07	MH-26-3	Manhole
M-08	25-40	INLET
M-08	25-39	INLET
M-08	25-37	INLET
M-08	25-38	INLET
M-08	MH-25-38	Manhole
M-09	25-48	INLET
M-09	25-47	INLET

GIS SmartMap Book Page #	Structure ID	Type	Major Outfall?	Minor Outfall?	Size?	Pipe Length
B-05	OF-10-1	Outfall	Yes	No	54"	
H-06	OF-22-18	Outfall	Yes	No	36"	
H-06	OF-22-19	Outfall	Yes	No	36"	
I-06	OF-22-66	Outfall	Yes	No	36"	
J-06	OF-22-67	Outfall	Yes	No	42"	
H-08	OF-23-171	Outfall	Yes	No	36"	
H-08	OF-23-175	Outfall	Yes	No	36"	
H-08	OF-23-177	Outfall	Yes	No	36"	

GIS SmartMap Book Page #	Structure ID	Type
H-05	CS-01	Control Structure
J-05	CS-02	Control Structure
K-09	CS-03	Control Structure
L-09	CS-04	Control Structure
H-08	CS-05	Control Structure
H-08	CS-06	Control Structure
H-08	CS-07	Control Structure
H-08	CS-09	Control Structure
H-08	CS-10	Control Structure
H-08	CS-11	Control Structure
H-08	CS-12	Control Structure
I-07	CS-29	Control Structure
H-07	CS-13	Control Structure

GIS SmartMap Book Page #	Structure ID	Type
B-04	10-1	Curb Inlet
B-05	10-10	Ditch Bottom Inlet
B-05	10-12	Curb Inlet
B-05	10-14	Ditch Bottom Inlet
B-05	10-15	Curb Inlet
B-05	10-17	Curb Inlet
B-05	10-19	Ditch Bottom Inlet
B-05	10-21	Curb Inlet
B-05	10-23	Ditch Bottom Inlet
B-06	10-25	Ditch Bottom Inlet
B-06	10-26	Curb Inlet
B-05	10-28	Ditch Bottom Inlet
B-04	10-5	Curb Inlet
B-05	10-7	Ditch Bottom Inlet
B-05	10-9	Curb Inlet
E-06	15-10	Inlet
F-06	15-11	Inlet
F-06	15-12	Inlet
F-06	10-13	Inlet
F-06	10-14	Inlet
F-06	10-15	Inlet
F-06	10-16	Inlet
E-06	15-17	Inlet
E-06	15-1A	Inlet
E-06	15-1B	Inlet
E-06	15-2	Inlet
E-06	15-3	Inlet
E-06	15-4	Inlet
E-06	15-5	Inlet
E-06	15-6	Inlet
E-06	15-7	Inlet
E-06	15-8	Inlet
E-06	15-9	Inlet
F-04	16-1	Inlet
F-04	16-10	Inlet
F-04	16-11	Inlet
F-04	16-12	Inlet
F-04	16-13	Inlet
F-04	16-14	Inlet
F-04	16-2	Inlet
F-04	16-3	Inlet
F-05	16-4	Inlet
F-05	16-5	Inlet
F-04	16-6	Inlet
F-04	16-7	Inlet
F-04	16-8	Inlet
H-05	22-10	Inlet
H-05	22-11	Inlet
H-05	22-12	Inlet
H-05	22-13	Inlet
H-05	22-14	Inlet

GIS SmartMap Book Page #	Structure ID	Type
H-05	22-15	Inlet
H-06	22-16	Inlet
H-06	22-17	Inlet
H-06	22-18	Inlet
H-06	22-19	Inlet
H-05	22-1A	Inlet
H-05	22-1B	Inlet
H-05	22-1	Inlet
H-05	22-2	Inlet
H-06	22-20	Inlet
H-06	22-21	Inlet
H-06	22-22	Inlet
H-06	22-23	Inlet
I-05	22-24	Inlet
I-05	22-25	Inlet
I-05	22-26	Inlet
I-05	22-27	Inlet
I-05	22-28	Inlet
I-05	22-29	Inlet
H-05	22-3	Inlet
I-05	22-30	Inlet
I-05	22-31A	Inlet
I-05	22-31B	Inlet
J-05	22-32	Inlet
J-05	22-33	Inlet
I-05	22-34	Inlet
J-05	22-36	Inlet
J-05	22-37	Inlet
J-05	22-38	Inlet
J-05	22-39	Inlet
J-05	22-41	Inlet
J-05	22-42	Inlet
J-05	22-44	Inlet
J-05	22-45	Inlet
J-05	22-46	Inlet
J-05	22-47A	Inlet
J-05	22-47B	Inlet
J-05	22-48	Inlet
J-05	22-49	Inlet
H-05	22-4A	Inlet
H-05	22-4B	Inlet
H-05	22-4C	Inlet
H-05	22-5	Inlet
J-05	22-50	Inlet
J-05	22-51	Inlet
I-06	22-52	Inlet
I-06	22-53	Inlet
I-06	22-55	Inlet
I-06	22-56	Inlet
H-05	22-6	Inlet
I-06	22-60	Inlet

GIS SmartMap Book Page #	Structure ID	Type
I-06	22-61	Inlet
I-06	22-65	Inlet
I-06	22-66	Inlet
J-06	22-67	Inlet
J-06	22-68	Inlet
J-06	22-69	Inlet
H-05	22-7	Inlet
J-06	22-70	Inlet
J-06	22-70A	Inlet
J-06	22-70B	Inlet
J-06	22-71	Inlet
J-06	22-72	Inlet
J-06	22-73	Inlet
J-06	22-74	Inlet
J-06	22-75	Inlet
J-06	22-76	Inlet
J-06	22-77	Inlet
J-06	22-78	Inlet
J-06	22-79	Inlet
H-05	22-8	Inlet
J-06	22-80	Inlet
J-06	22-81	Inlet
I-06	22-83A	Inlet
I-06	22-83B	Inlet
I-06	22-83C	Inlet
I-06	22-84	Inlet
I-06	22-85	Inlet
I-06	22-86	Inlet
I-06	22-87	Inlet
I-06	22-88	Inlet
H-06	23-0A	Inlet
H-06	23-0B	Inlet
H-07	23-0C	Inlet
H-07	23-0D	Inlet
H-07	23-0E	Inlet
H-07	23-0F	Inlet
H-07	23-0G	Inlet
H-08	23-10	Inlet
J-07	23-103	Inlet
J-07	23-106	Inlet
J-08	23-107	Inlet
J-08	23-108	Inlet
J-08	23-109	Inlet
H-08	23-11	Inlet
J-08	23-110	Inlet
J-08	23-111A	Inlet
J-08	23-111B	Inlet
J-08	23-112A	Inlet
J-08	23-112B	Inlet
I-08	23-113	Inlet
I-08	23-114	Inlet

GIS SmartMap Book Page #	Structure ID	Type
I-05	23-115	Inlet
J-08	23-116	Inlet
J-08	23-117	Inlet
J-08	23-118A	Inlet
J-08	23-118B	Inlet
J-08	23-119A	Inlet
J-08	23-119B	Inlet
H-08	23-11A	Inlet
H-08	23-11D	Inlet
H-08	23-11E	Inlet
I-07	23-12	Inlet
J-08	23-120	Inlet
J-08	23-121	Inlet
J-08	23-122A	Inlet
J-08	23-122B	Inlet
J-08	23-123A	Inlet
J-08	23-123B	Inlet
J-07	23-124	Inlet
J-07	23-125	Inlet
J-08	23-126	Inlet
J-08	23-127	Inlet
J-08	23-128	Inlet
J-08	23-129	Inlet
I-07	23-13	Inlet
J-08	23-130	Inlet
J-08	23-131	Inlet
J-08	23-132	Inlet
J-08	23-133	Inlet
J-08	23-134	Inlet
J-08	23-135	Inlet
J-08	23-136	Inlet
J-08	23-137	Inlet
J-08	23-138	Inlet
J-08	23-139	Inlet
H-08	23-140	Inlet
H-08	23-141	Inlet
I-08	23-143	Inlet
I-08	23-144	Inlet
I-08	23-145	Inlet
H-08	23-146	Inlet
H-08	23-146B	Inlet
H-08	23-146C	Inlet
H-08	23-146D	Inlet
H-08	23-147	Inlet
H-08	23-148	Inlet
H-08	23-149	Inlet
I-08	23-14A	Inlet
I-08	23-14B	Inlet
I-08	23-15	Inlet
H-08	23-150	Inlet
H-08	23-150A	Inlet

GIS SmartMap Book Page #	Structure ID	Type
H-08	23-151	Inlet
J-08	23-151B	Inlet
J-08	23-151C	Inlet
H-08	23-152	Inlet
H-08	23-153	Inlet
I-08	23-154	Inlet
I-08	23-155	Inlet
I-08	23-156	Inlet
H-08	23-157	Inlet
J-07	23-158	Inlet
J-07	23-159	Inlet
H-08	23-16	Inlet
J-07	23-160	Inlet
J-07	23-161	Inlet
J-07	23-162	Inlet
H-08	23-163	Inlet
H-08	23-164	Inlet
H-08	23-165	Inlet
H-08	23-166	Inlet
H-07	23-167A	Inlet
H-07	23-167B	Inlet
H-08	23-168A	Inlet
H-08	23-168B	Inlet
H-08	23-169A	Inlet
H-08	23-169B	Inlet
H-08	23-17	Inlet
H-08	23-170A	Inlet
H-08	23-170B	Inlet
H-08	23-171A	Inlet
H-08	23-171B	Inlet
H-07	23-172A	Inlet
H-07	23-172B	Inlet
H-07	23-172C	Inlet
H-07	23-173A	Inlet
H-07	23-173B	Inlet
H-08	23-174A	Inlet
H-08	23-174B	Inlet
H-08	23-175A	Inlet
H-08	23-175B	Inlet
H-08	23-176A	Inlet
H-08	23-176B	Inlet
H-08	23-177A	Inlet
H-08	23-177B	Inlet
I-08	23-18A	Inlet
I-08	23-18B	Inlet
I-08	23-18D	Inlet
I-08	23-18E	Inlet
I-08	23-19	Inlet
H-07	23-1A	Inlet
H-07	23-1B	Inlet
I-08	23-20	Inlet

GIS SmartMap Book Page #	Structure ID	Type
I-08	23-21	Inlet
I-08	23-22	Inlet
I-08	23-22A	Inlet
I-08	23-23	Inlet
I-08	23-23A	Inlet
I-08	23-24	Inlet
I-06	23-26	Inlet
I-06	23-27	Inlet
I-07	23-28	Inlet
I-07	23-29	Inlet
H-07	23-2A	Inlet
H-07	23-2B	Inlet
H-07	23-3	Inlet
I-07	23-30	Inlet
I-07	23-31	Inlet
I-07	23-32	Inlet
I-07	23-33	Inlet
I-07	23-34	Inlet
I-07	23-35	Inlet
I-07	23-36	Inlet
I-07	23-37A	Inlet
I-07	23-37B	Inlet
I-07	23-37C	Inlet
I-07	23-38	Inlet
I-07	23-39	Inlet
H-07	23-4	Inlet
I-07	23-40	Inlet
I-07	23-42	Inlet
I-07	23-42A	Inlet
I-08	23-43	Inlet
I-08	23-44	Inlet
I-08	23-45	Inlet
I-08	23-46	Inlet
I-08	23-47	Inlet
I-08	23-49	Inlet
H-07	23-5	Inlet
I-08	23-50	Inlet
I-08	23-51	Inlet
I-08	23-52	Inlet
I-08	23-51	Inlet
I-08	23-55	Inlet
I-08	23-56	Inlet
I-08	23-57	Inlet
I-08	23-59	Inlet
H-07	23-6	Inlet
I-08	23-60A	Inlet
I-08	23-60B	Inlet
I-08	23-62	Inlet
I-08	23-64	Inlet
I-08	23-66	Inlet
I-08	23-68	Inlet

GIS SmartMap Book Page #	Structure ID	Type
I-08	23-69	Inlet
H-07	23-7	Inlet
I-08	23-71	Inlet
I-08	23-72	Inlet
I-08	23-74	Inlet
I-08	23-76	Inlet
I-08	23-77	Inlet
I-08	23-78	Inlet
I-08	23-79	Inlet
H-07	23-8	Inlet
I-08	23-80	Inlet
I-08	23-80	Inlet
I-08	23-81	Inlet
I-08	23-83	Inlet
J-07	23-84	Inlet
J-07	23-85A	Inlet
J-07	23-85B	Inlet
J-07	23-86	Inlet
J-07	23-87A	Inlet
J-07	23-87B	Inlet
J-06	23-87C	Inlet
J-06	23-88A	Inlet
J-07	23-88B	Inlet
J-07	23-89	Inlet
H-08	23-9	Inlet
J-07	23-90	Inlet
J-07	23-91A	Inlet
J-07	23-91B	Inlet
J-07	23-92	Inlet
J-07	23-93A	Inlet
J-07	23-93B	Inlet
J-07	23-93C	Inlet
J-07	23-94A	Inlet
J-07	23-94B	Inlet
J-07	23-95	Inlet
J-07	23-96	Inlet
J-07	23-97	Inlet
J-07	23-98	Inlet
J-07	23-99	Inlet
J-09	24-15	Inlet
J-09	24-16	Inlet
J-09	24-17	Inlet
J-08	24-1A	Inlet
J-08	24-1B	Inlet
J-09	24-28	Inlet
J-09	24-29	Inlet
J-08	24-2A	Inlet
J-08	24-2B	Inlet
J-09	24-30	Inlet
J-09	24-33	Inlet
J-09	24-34	Inlet

GIS SmartMap Book Page #	Structure ID	Type
J-09	24-35	Inlet
J-09	24-36	Inlet
J-09	24-36A	Inlet
J-09	24-37	Inlet
J-09	24-38	Inlet
J-09	24-39	Inlet
J-08	24-3A	Inlet
J-08	24-3B	Inlet
J-09	24-4	Inlet
J-09	24-40	Inlet
J-09	24-41	Inlet
J-09	24-42	Inlet
J-09	24-43	Inlet
J-09	24-44	Inlet
J-09	24-5	Inlet
J-09	24-6	Inlet
J-09	24-7	Inlet
J-09	24-8	Inlet
K-09	25-10	Inlet
K-09	25-11	Inlet
K-09	25-12	Inlet
K-09	25-13	Inlet
K-09	25-14	Inlet
L-09	25-15	Inlet
L-09	25-16	Inlet
L-09	25-17	Inlet
L-09	25-18	Inlet
L-08	25-19	Inlet
K-09	25-1A	Inlet
K-09	25-1B	Inlet
K-09	25-1C	Inlet
K-09	25-2	Inlet
L-08	25-20	Inlet
L-08	25-21	Inlet
L-08	25-22	Inlet
L-08	25-23	Inlet
L-09	25-25	Inlet
L-09	25-26	Inlet
L-09	25-17	Inlet
L-09	25-28	Inlet
L-09	25-29	Inlet
K-09	25-3	Inlet
L-09	25-30	Inlet
L-08	25-31	Inlet
L-08	25-32	Inlet
L-09	25-33	Inlet
L-09	25-34	Inlet
L-09	25-35	Inlet
L-09	25-36	Inlet
K-09	25-4	Inlet
M-09	25-46D	Inlet

GIS SmartMap Book Page #	Structure ID	Type
L-09	25-46E	Inlet
K-09	25-49	Inlet
K-09	25-5	Inlet
K-09	25-50	Inlet
K-09	25-51	Inlet
K-09	25-52	Inlet
K-09	25-6	Inlet
K-09	25-7	Inlet
K-09	25-8	Inlet
K-09	25-9	Inlet
K-07	26-1	Inlet
L-06	26-10	Inlet
L-06	26-11	Inlet
L-06	26-12	Inlet
M-06	26-13	Inlet
M-06	26-14	Inlet
M-06	26-15	Inlet
M-06	26-16	Inlet
M-06	26-17	Inlet
M-06	26-18	Inlet
K-07	26-2	Inlet
K-08	26-25	Inlet
M-07	26-27	Inlet
M-07	26-28	Inlet
K-07	26-3A	Inlet
K-07	26-3B	Inlet
K-07	26-4A	Inlet
K-07	26-4B	Inlet
K-07	26-5	Inlet
K-07	26-6	Inlet
K-07	26-7	Inlet
L-06	26-8A	Inlet
L-06	26-8B	Inlet
L-07	26-8C	Inlet
L-07	26-8D	Inlet
L-06	26-9	Inlet
L-06	27-1	Inlet
L-06	27-2	Inlet
H-07	MH- 23-4	Manhole
B-05	MH-10-11	Manhole
B-05	MH-10-13	Manhole
B-05	MH-10-16	Manhole
B-05	MH-10-18	Manhole
B-04	MH-10-2	Manhole
B-05	MH-10-20	Manhole
B-05	MH-10-22	Manhole
B-05	MH-10-24	Manhole
B-06	MH-10-27	Manhole
B-06	MH-10-29	Manhole
B-04	MH-10-3	Manhole
B-04	MH-10-4	Manhole

GIS SmartMap Book Page #	Structure ID	Type
B-05	MH-10-6	Manhole
B-05	MH-10-8	Manhole
E-06	MH-15-2	Manhole
E-06	MH-15-4	Manhole
F-04	MH-16-9	Manhole
J-05	MH-22-35	Manhole
I-06	MH-22-53	Manhole
I-06	MH-22-54	Manhole
I-06	MH-22-59	Manhole
J-06	MH-22-71A	Manhole
J-06	MH-22-82	Manhole
I-06	MH-22-84A	Manhole
H-08	MH-23-11B	Manhole
H-08	MH-23-11C	Manhole
H-08	MH-23-142	Manhole
H-07	MH-23-173C	Manhole
J-08	MH-24-1	Manhole
J-08	MH-24-3	Manhole
J-09	MH-24-36	Manhole
J-09	MH-24-4	Manhole
J-09	MH-24-6	Manhole
K-07	MH-26-2	Manhole
K-07	MH-26-3	Manhole
M-08	25-40	INLET
M-08	25-39	INLET
M-08	25-37	INLET
M-08	25-38	INLET
M-08	MH-25-38	Manhole
M-09	25-48	INLET
M-09	25-47	INLET

GIS SmartMap Book Page #	Structure ID	Type
B-04	10-1	Curb Inlet
B-05	10-10	Ditch Bottom Inlet
B-05	10-12	Curb Inlet
B-05	10-14	Ditch Bottom Inlet
B-05	10-15	Curb Inlet
B-05	10-17	Curb Inlet
B-05	10-19	Ditch Bottom Inlet
B-05	10-21	Curb Inlet
B-05	10-23	Ditch Bottom Inlet
B-06	10-25	Ditch Bottom Inlet
B-06	10-26	Curb Inlet
B-05	10-28	Ditch Bottom Inlet
B-04	10-5	Curb Inlet
B-05	10-7	Ditch Bottom Inlet
B-05	10-9	Curb Inlet
E-06	15-10	Inlet
F-06	15-11	Inlet
F-06	15-12	Inlet
F-06	10-13	Inlet
F-06	10-14	Inlet
F-06	10-15	Inlet
F-06	10-16	Inlet
E-06	15-17	Inlet
E-06	15-1A	Inlet
E-06	15-1B	Inlet
E-06	15-2	Inlet
E-06	15-3	Inlet
E-06	15-4	Inlet
E-06	15-5	Inlet
E-06	15-6	Inlet
E-06	15-7	Inlet
E-06	15-8	Inlet
E-06	15-9	Inlet
F-04	16-1	Inlet
F-04	16-10	Inlet
F-04	16-11	Inlet
F-04	16-12	Inlet
F-04	16-13	Inlet
F-04	16-14	Inlet
F-04	16-2	Inlet
F-04	16-3	Inlet
F-05	16-4	Inlet
F-05	16-5	Inlet
F-04	16-6	Inlet
F-04	16-7	Inlet
F-04	16-8	Inlet
H-05	22-10	Inlet
H-05	22-11	Inlet
H-05	22-12	Inlet
H-05	22-13	Inlet
H-05	22-14	Inlet

GIS SmartMap Book Page #	Structure ID	Type
H-05	22-15	Inlet
H-06	22-16	Inlet
H-06	22-17	Inlet
H-06	22-18	Inlet
H-06	22-19	Inlet
H-05	22-1A	Inlet
H-05	22-1B	Inlet
H-05	22-1	Inlet
H-05	22-2	Inlet
H-06	22-20	Inlet
H-06	22-21	Inlet
H-06	22-22	Inlet
H-06	22-23	Inlet
I-05	22-24	Inlet
I-05	22-25	Inlet
I-05	22-26	Inlet
I-05	22-27	Inlet
I-05	22-28	Inlet
I-05	22-29	Inlet
H-05	22-3	Inlet
I-05	22-30	Inlet
I-05	22-31A	Inlet
I-05	22-31B	Inlet
J-05	22-32	Inlet
J-05	22-33	Inlet
I-05	22-34	Inlet
J-05	22-36	Inlet
J-05	22-37	Inlet
J-05	22-38	Inlet
J-05	22-39	Inlet
J-05	22-41	Inlet
J-05	22-42	Inlet
J-05	22-44	Inlet
J-05	22-45	Inlet
J-05	22-46	Inlet
J-05	22-47A	Inlet
J-05	22-47B	Inlet
J-05	22-48	Inlet
J-05	22-49	Inlet
H-05	22-4A	Inlet
H-05	22-4B	Inlet
H-05	22-4C	Inlet
H-05	22-5	Inlet
J-05	22-50	Inlet
J-05	22-51	Inlet
I-06	22-52	Inlet
I-06	22-53	Inlet
I-06	22-55	Inlet
I-06	22-56	Inlet
H-05	22-6	Inlet
I-06	22-60	Inlet

GIS SmartMap Book Page #	Structure ID	Type
I-06	22-61	Inlet
I-06	22-65	Inlet
I-06	22-66	Inlet
J-06	22-67	Inlet
J-06	22-68	Inlet
J-06	22-69	Inlet
H-05	22-7	Inlet
J-06	22-70	Inlet
J-06	22-70A	Inlet
J-06	22-70B	Inlet
J-06	22-71	Inlet
J-06	22-72	Inlet
J-06	22-73	Inlet
J-06	22-74	Inlet
J-06	22-75	Inlet
J-06	22-76	Inlet
J-06	22-77	Inlet
J-06	22-78	Inlet
J-06	22-79	Inlet
H-05	22-8	Inlet
J-06	22-80	Inlet
J-06	22-81	Inlet
I-06	22-83A	Inlet
I-06	22-83B	Inlet
I-06	22-83C	Inlet
I-06	22-84	Inlet
I-06	22-85	Inlet
I-06	22-86	Inlet
I-06	22-87	Inlet
I-06	22-88	Inlet
H-06	23-0A	Inlet
H-06	23-0B	Inlet
H-07	23-0C	Inlet
H-07	23-0D	Inlet
H-07	23-0E	Inlet
H-07	23-0F	Inlet
H-07	23-0G	Inlet
H-08	23-10	Inlet
J-07	23-103	Inlet
J-07	23-106	Inlet
J-08	23-107	Inlet
J-08	23-108	Inlet
J-08	23-109	Inlet
H-08	23-11	Inlet
J-08	23-110	Inlet
J-08	23-111A	Inlet
J-08	23-111B	Inlet
J-08	23-112A	Inlet
J-08	23-112B	Inlet
I-08	23-113	Inlet
I-08	23-114	Inlet

GIS SmartMap Book Page #	Structure ID	Type
I-05	23-115	Inlet
J-08	23-116	Inlet
J-08	23-117	Inlet
J-08	23-118A	Inlet
J-08	23-118B	Inlet
J-08	23-119A	Inlet
J-08	23-119B	Inlet
H-08	23-11A	Inlet
H-08	23-11D	Inlet
H-08	23-11E	Inlet
I-07	23-12	Inlet
J-08	23-120	Inlet
J-08	23-121	Inlet
J-08	23-122A	Inlet
J-08	23-122B	Inlet
J-08	23-123A	Inlet
J-08	23-123B	Inlet
J-07	23-124	Inlet
J-07	23-125	Inlet
J-08	23-126	Inlet
J-08	23-127	Inlet
J-08	23-128	Inlet
J-08	23-129	Inlet
I-07	23-13	Inlet
J-08	23-130	Inlet
J-08	23-131	Inlet
J-08	23-132	Inlet
J-08	23-133	Inlet
J-08	23-134	Inlet
J-08	23-135	Inlet
J-08	23-136	Inlet
J-08	23-137	Inlet
J-08	23-138	Inlet
J-08	23-139	Inlet
H-08	23-140	Inlet
H-08	23-141	Inlet
I-08	23-143	Inlet
I-08	23-144	Inlet
I-08	23-145	Inlet
H-08	23-146	Inlet
H-08	23-146B	Inlet
H-08	23-146C	Inlet
H-08	23-146D	Inlet
H-08	23-147	Inlet
H-08	23-148	Inlet
H-08	23-149	Inlet
I-08	23-14A	Inlet
I-08	23-14B	Inlet
I-08	23-15	Inlet
H-08	23-150	Inlet
H-08	23-150A	Inlet

GIS SmartMap Book Page #	Structure ID	Type
H-08	23-151	Inlet
J-08	23-151B	Inlet
J-08	23-151C	Inlet
H-08	23-152	Inlet
H-08	23-153	Inlet
I-08	23-154	Inlet
I-08	23-155	Inlet
I-08	23-156	Inlet
H-08	23-157	Inlet
J-07	23-158	Inlet
J-07	23-159	Inlet
H-08	23-16	Inlet
J-07	23-160	Inlet
J-07	23-161	Inlet
J-07	23-162	Inlet
H-08	23-163	Inlet
H-08	23-164	Inlet
H-08	23-165	Inlet
H-08	23-166	Inlet
H-07	23-167A	Inlet
H-07	23-167B	Inlet
H-08	23-168A	Inlet
H-08	23-168B	Inlet
H-08	23-169A	Inlet
H-08	23-169B	Inlet
H-08	23-17	Inlet
H-08	23-170A	Inlet
H-08	23-170B	Inlet
H-08	23-171A	Inlet
H-08	23-171B	Inlet
H-07	23-172A	Inlet
H-07	23-172B	Inlet
H-07	23-172C	Inlet
H-07	23-173A	Inlet
H-07	23-173B	Inlet
H-08	23-174A	Inlet
H-08	23-174B	Inlet
H-08	23-175A	Inlet
H-08	23-175B	Inlet
H-08	23-176A	Inlet
H-08	23-176B	Inlet
H-08	23-177A	Inlet
H-08	23-177B	Inlet
I-08	23-18A	Inlet
I-08	23-18B	Inlet
I-08	23-18D	Inlet
I-08	23-18E	Inlet
I-08	23-19	Inlet
H-07	23-1A	Inlet
H-07	23-1B	Inlet
I-08	23-20	Inlet

GIS SmartMap Book Page #	Structure ID	Type
I-08	23-21	Inlet
I-08	23-22	Inlet
I-08	23-22A	Inlet
I-08	23-23	Inlet
I-08	23-23A	Inlet
I-08	23-24	Inlet
I-06	23-26	Inlet
I-06	23-27	Inlet
I-07	23-28	Inlet
I-07	23-29	Inlet
H-07	23-2A	Inlet
H-07	23-2B	Inlet
H-07	23-3	Inlet
I-07	23-30	Inlet
I-07	23-31	Inlet
I-07	23-32	Inlet
I-07	23-33	Inlet
I-07	23-34	Inlet
I-07	23-35	Inlet
I-07	23-36	Inlet
I-07	23-37A	Inlet
I-07	23-37B	Inlet
I-07	23-37C	Inlet
I-07	23-38	Inlet
I-07	23-39	Inlet
H-07	23-4	Inlet
I-07	23-40	Inlet
I-07	23-42	Inlet
I-07	23-42A	Inlet
I-08	23-43	Inlet
I-08	23-44	Inlet
I-08	23-45	Inlet
I-08	23-46	Inlet
I-08	23-47	Inlet
I-08	23-49	Inlet
H-07	23-5	Inlet
I-08	23-50	Inlet
I-08	23-51	Inlet
I-08	23-52	Inlet
I-08	23-51	Inlet
I-08	23-55	Inlet
I-08	23-56	Inlet
I-08	23-57	Inlet
I-08	23-59	Inlet
H-07	23-6	Inlet
I-08	23-60A	Inlet
I-08	23-60B	Inlet
I-08	23-62	Inlet
I-08	23-64	Inlet
I-08	23-66	Inlet
I-08	23-68	Inlet

GIS SmartMap Book Page #	Structure ID	Type
I-08	23-69	Inlet
H-07	23-7	Inlet
I-08	23-71	Inlet
I-08	23-72	Inlet
I-08	23-74	Inlet
I-08	23-76	Inlet
I-08	23-77	Inlet
I-08	23-78	Inlet
I-08	23-79	Inlet
H-07	23-8	Inlet
I-08	23-80	Inlet
I-08	23-80	Inlet
I-08	23-81	Inlet
I-08	23-83	Inlet
J-07	23-84	Inlet
J-07	23-85A	Inlet
J-07	23-85B	Inlet
J-07	23-86	Inlet
J-07	23-87A	Inlet
J-07	23-87B	Inlet
J-06	23-87C	Inlet
J-06	23-88A	Inlet
J-07	23-88B	Inlet
J-07	23-89	Inlet
H-08	23-9	Inlet
J-07	23-90	Inlet
J-07	23-91A	Inlet
J-07	23-91B	Inlet
J-07	23-92	Inlet
J-07	23-93A	Inlet
J-07	23-93B	Inlet
J-07	23-93C	Inlet
J-07	23-94A	Inlet
J-07	23-94B	Inlet
J-07	23-95	Inlet
J-07	23-96	Inlet
J-07	23-97	Inlet
J-07	23-98	Inlet
J-07	23-99	Inlet
J-09	24-15	Inlet
J-09	24-16	Inlet
J-09	24-17	Inlet
J-08	24-1A	Inlet
J-08	24-1B	Inlet
J-09	24-28	Inlet
J-09	24-29	Inlet
J-08	24-2A	Inlet
J-08	24-2B	Inlet
J-09	24-30	Inlet
J-09	24-33	Inlet
J-09	24-34	Inlet

GIS SmartMap Book Page #	Structure ID	Type
J-09	24-35	Inlet
J-09	24-36	Inlet
J-09	24-36A	Inlet
J-09	24-37	Inlet
J-09	24-38	Inlet
J-09	24-39	Inlet
J-08	24-3A	Inlet
J-08	24-3B	Inlet
J-09	24-4	Inlet
J-09	24-40	Inlet
J-09	24-41	Inlet
J-09	24-42	Inlet
J-09	24-43	Inlet
J-09	24-44	Inlet
J-09	24-5	Inlet
J-09	24-6	Inlet
J-09	24-7	Inlet
J-09	24-8	Inlet
K-09	25-10	Inlet
K-09	25-11	Inlet
K-09	25-12	Inlet
K-09	25-13	Inlet
K-09	25-14	Inlet
L-09	25-15	Inlet
L-09	25-16	Inlet
L-09	25-17	Inlet
L-09	25-18	Inlet
L-08	25-19	Inlet
K-09	25-1A	Inlet
K-09	25-1B	Inlet
K-09	25-1C	Inlet
K-09	25-2	Inlet
L-08	25-20	Inlet
L-08	25-21	Inlet
L-08	25-22	Inlet
L-08	25-23	Inlet
L-09	25-25	Inlet
L-09	25-26	Inlet
L-09	25-17	Inlet
L-09	25-28	Inlet
L-09	25-29	Inlet
K-09	25-3	Inlet
L-09	25-30	Inlet
L-08	25-31	Inlet
L-08	25-32	Inlet
L-09	25-33	Inlet
L-09	25-34	Inlet
L-09	25-35	Inlet
L-09	25-36	Inlet
K-09	25-4	Inlet
M-09	25-46D	Inlet

GIS SmartMap Book Page #	Structure ID	Type
L-09	25-46E	Inlet
K-09	25-49	Inlet
K-09	25-5	Inlet
K-09	25-50	Inlet
K-09	25-51	Inlet
K-09	25-52	Inlet
K-09	25-6	Inlet
K-09	25-7	Inlet
K-09	25-8	Inlet
K-09	25-9	Inlet
K-07	26-1	Inlet
L-06	26-10	Inlet
L-06	26-11	Inlet
L-06	26-12	Inlet
M-06	26-13	Inlet
M-06	26-14	Inlet
M-06	26-15	Inlet
M-06	26-16	Inlet
M-06	26-17	Inlet
M-06	26-18	Inlet
K-07	26-2	Inlet
K-08	26-25	Inlet
M-07	26-27	Inlet
M-07	26-28	Inlet
K-07	26-3A	Inlet
K-07	26-3B	Inlet
K-07	26-4A	Inlet
K-07	26-4B	Inlet
K-07	26-5	Inlet
K-07	26-6	Inlet
K-07	26-7	Inlet
L-06	26-8A	Inlet
L-06	26-8B	Inlet
L-07	26-8C	Inlet
L-07	26-8D	Inlet
L-06	26-9	Inlet
L-06	27-1	Inlet
L-06	27-2	Inlet
H-07	MH- 23-4	Manhole
B-05	MH-10-11	Manhole
B-05	MH-10-13	Manhole
B-05	MH-10-16	Manhole
B-05	MH-10-18	Manhole
B-04	MH-10-2	Manhole
B-05	MH-10-20	Manhole
B-05	MH-10-22	Manhole
B-05	MH-10-24	Manhole
B-06	MH-10-27	Manhole
B-06	MH-10-29	Manhole
B-04	MH-10-3	Manhole
B-04	MH-10-4	Manhole

GIS SmartMap Book Page #	Structure ID	Type
B-05	MH-10-6	Manhole
B-05	MH-10-8	Manhole
E-06	MH-15-2	Manhole
E-06	MH-15-4	Manhole
F-04	MH-16-9	Manhole
J-05	MH-22-35	Manhole
I-06	MH-22-53	Manhole
I-06	MH-22-54	Manhole
I-06	MH-22-59	Manhole
J-06	MH-22-71A	Manhole
J-06	MH-22-82	Manhole
I-06	MH-22-84A	Manhole
H-08	MH-23-11B	Manhole
H-08	MH-23-11C	Manhole
H-08	MH-23-142	Manhole
H-07	MH-23-173C	Manhole
J-08	MH-24-1	Manhole
J-08	MH-24-3	Manhole
J-09	MH-24-36	Manhole
J-09	MH-24-4	Manhole
J-09	MH-24-6	Manhole
K-07	MH-26-2	Manhole
K-07	MH-26-3	Manhole

	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments	Longitude	Latitude
7/6/11	WN	B-04	10-1	Curb Inlet	GOOD	DRY	NO	NO	NONE					
7/6/11	WN	B-05	10-10	Ditch Bottom Inle	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-05	10-12	Curb Inlet	GOOD	DRY	NO	NO	NONE					
7/6/11	WN	B-05	10-14	Ditch Bottom Inle	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-05	10-15	Curb Inlet	GOOD	DRY	NO	NO	NONE					
7/6/11	WN	B-05	10-17	Curb Inlet	GOOD	DRY	NO	NO	NONE					
7/6/11	WN	B-05	10-19	Ditch Bottom Inle	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-05	10-21	Curb Inlet	GOOD	DRY	NO	NO	NONE					
7/6/11	WN	B-05	10-23	Ditch Bottom Inle	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-06	10-25	Ditch Bottom Inle	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-06	10-26	Curb Inlet	GOOD	DRY	NO	NO	NONE					
7/6/11	WN	B-05	10-28	Ditch Bottom Inle	GOOD	?	?	?	?			GATED		
7/6/11	WN	B-04	10-5	Curb Inlet	GOOD	DRY	NO	NO	NONE					
7/6/11	WN	B-05	10-7	Ditch Bottom Inle	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-05	10-9	Curb Inlet	GOOD	DRY	NO	NO	NONE					
7/6/11	WN	E-06	15-10	Inlet	GOOD	DRY	NO	NO	NONE			REMOVE ?		
7/6/11	WN	F-06	15-11	Inlet	GOOD	DRY	NO	NO	NONE					
7/6/11	WN	F-06	15-12	Inlet	GOOD	DRY	NO	NO	NONE					
7/6/11	WN	F-06	10-13	Inlet	GOOD	DRY	NO	NO	NONE					
7/6/11	WN	F-06	10-14	Inlet	GOOD	DRY	NO	NO	NONE					
7/6/11	WN	F-06	10-15	Inlet	GOOD	DRY	NO	NO	NONE					
7/6/11	WN	F-06	10-16	Inlet	GOOD	DRY	NO	NO	NONE					
7/6/11	WN	E-06	15-17	Inlet	GOOD	WET	NO	NO	NONE			REMOVE ?		
7/6/11	WN	E-06	15-1A	Inlet	GOOD	DRY	NO	NO	NONE			REMOVE ?		
7/6/11	WN	E-06	15-1B	Inlet	GOOD	DRY	NO	NO	NONE			REMOVE ?		
7/6/11	WN	E-06	15-2	Inlet	GOOD	DRY	NO	NO	NONE			REMOVE ?		
7/6/11	WN	E-06	15-3	Inlet	GOOD	DRY	NO	NO	NONE			REMOVE ?		
7/6/11	WN	E-06	15-4	Inlet	GOOD	WET	NO	NO	NONE			REMOVE ?		
7/6/11	WN	E-06	15-5	Inlet	GOOD	WET	NO	NO	NONE			REMOVE ?		
7/6/11	WN	E-06	15-6	Inlet	GOOD	WET	NO	NO	NONE			REMOVE ?		
7/6/11	WN	E-06	15-7	Inlet	GOOD	WET	NO	NO	NONE			REMOVE ?		
7/6/11	WN	E-06	15-8	Inlet	GOOD	WET	NO	NO	NONE			REMOVE ?		
7/6/11	WN	E-06	15-9	Inlet	GOOD	WET	NO	NO	NONE			REMOVE ?		
7/6/11	WN	F-04	16-1	Inlet	GOOD	WET	NO	NO	NONE					
7/6/11	WN	F-04	16-10	Inlet	GOOD	WET	NO	NO	NONE					
7/6/11	WN	F-04	16-11	Inlet	GOOD	DRY	NO	NO	NONE					
7/6/11	WN	F-04	16-12	Inlet	GOOD	DRY	NO	NO	NONE					
7/6/11	WN	F-04	16-13	Inlet	GOOD	WET	NO	YES	JET/VAC	9/12/2011	NO	Wyman Scott / Jet & Vac		
7/6/11	WN	F-04	16-14	Inlet	GOOD	WET	NO	YES	JET/VAC	9/12/2011	NO	Wyman Scott / Jet & Vac		
7/6/11	WN	F-04	16-2	Inlet	GOOD	WET	NO	YES	JET/VAC	9/12/2011	NO	Wyman Scott / Jet & Vac		
7/6/11	WN	F-04	16-3	Inlet	GOOD	WET	NO	YES	JET/VAC	9/12/2011	NO	Wyman Scott / Jet & Vac		
7/6/11	WN	F-05	16-4	Inlet	GOOD	WET	NO	NO	NONE					
7/6/11	WN	F-05	16-5	Inlet	GOOD	WET	NO	YES	JET/VAC					
7/6/11	WN	F-04	16-6	Inlet	GOOD	WET	NO	YES	JET/VAC	9/12/2011	NO	Wyman Scott / Jet & Vac		
7/6/11	WN	F-04	16-7	Inlet	GOOD	WET	NO	YES	JET/VAC	9/12/2011	NO	Wyman Scott / Jet & Vac		
7/6/11	WN	F-04	16-8	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-05	22-10	Inlet	GOOD	WET	NO	YES	JET/VAC					
7/7/11	WN	H-05	22-11	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-05	22-12	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-05	22-13	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-05	22-14	Inlet	GOOD	WET	NO	NO	NONE					

	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments	Longitude	Latitude
7/7/11	WN	H-05	22-15	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-06	22-16	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-06	22-17	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-06	22-18	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-06	22-19	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-05	22-1A	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-05	22-1B	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-05	22-1	Inlet	GOOD	WN	NO	NO	NONE			FILTRACTION BOX	26°38'4.13"N	80° 8'48.17"V
7/7/11	WN	H-05	22-2	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-06	22-20	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-06	22-21	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-06	22-22	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-06	22-23	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	I-05	22-24	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	I-05	22-25	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	I-05	22-26	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	I-05	22-27	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	I-05	22-28	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	I-05	22-29	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-05	22-3	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	I-05	22-30	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	I-05	22-31A	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	I-05	22-31B	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	J-05	22-32	Inlet	GOOD	WET	NO	YES	JET/VAC	9/12/2011	NO	Wyman Scott / Jet & Vac		
7/7/11	WN	J-05	22-33	Inlet	GOOD	WET	NO	YES	JET/VAC	9/12/2011	NO	Wyman Scott / Jet & Vac		
7/7/11	WN	I-05	22-34	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	J-05	22-36	Inlet	GOOD	WET	NO	YES	JET/VAC	9/12/2011	NO	Wyman Scott / Jet & Vac		
7/7/11	WN	J-05	22-37	Inlet	GOOD	WET	NO	YES	JET/VAC	9/12/2011	NO	Wyman Scott / Jet & Vac		
7/7/11	WN	J-05	22-37A	Control Structure	GOOD	WET	NO	NO	NONE				26°37'27.60"N	80° 8'54.94"W
7/7/11	WN	J-05	22-38	Inlet	GOOD	WET	NO	YES	JET/VAC	9/12/2011	NO	Wyman Scott / Jet & Vac		
7/7/11	WN	J-05	22-39	Inlet	GOOD	WET	NO	YES	JET/VAC	9/12/2011	NO	Wyman Scott / Jet & Vac		
7/7/11	WN	J-05	22-41	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	J-05	22-42	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	J-05	22-44	Inlet	GOOD	WET	NO	YES	JET/VAC	9/13/2011	NO	Wyman Scott / Jet & Vac		
7/7/11	WN	J-05	22-45	Inlet	GOOD	WET	NO	YES	JET/VAC	9/13/2011	NO	Wyman Scott / Jet & Vac		
7/7/11	WN	J-05	22-46	Inlet	GOOD	WET	NO	YES	JET/VAC	9/13/2011	NO	Wyman Scott / Jet & Vac		
7/7/11	WN	J-05	22-47A	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	J-05	22-47B	Inlet	GOOD	WET	NO	YES	JET/VAC	9/13/2011	NO	Wyman Scott / Jet & Vac		
7/7/11	WN	J-05	22-48	Inlet	GOOD	WET	NO	YES	JET/VAC	9/13/2011	NO	Wyman Scott / Jet & Vac		
7/7/11	WN	J-05	22-49	Inlet	GOOD	WET	NO	YES	JET/VAC	9/13/2011	NO	Wyman Scott / Jet & Vac		
7/11/11	WN	H-05	22-4A	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	H-05	22-4B	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	H-05	22-4C	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	H-05	22-5	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-05	22-50	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-05	22-51	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	22-52	Inlet	GOOD	WET	NO	NO	NONE			Change GIS #	26°37'30.25"N	80° 8'43.90"W
7/11/11	WN	I-06	22-53	Inlet	GOOD	WET	NO	NO	NONE			Change GIS #	26°37'29.91"N	80° 8'43.89"W
7/11/11	WN	I-06	22-55	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	22-56	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	H-05	22-6	Inlet	GOOD	WET	NO	NO	NONE					

	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments	Longitude	Latitude
7/11/11	WN	I-06	22-60	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	22-61	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	22-65	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	22-66	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-06	22-67	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-06	22-68	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-06	22-69	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	H-05	22-7	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-06	22-70	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-06	22-70A	Inlet	GOOD	WET	NO	NO	NONE				26°37'22.94"N	80° 8'24.94"W
7/11/11	WN	J-06	22-70B	Inlet	GOOD	WET	NO	NO	NONE				26°37'21.69"N	80° 8'25.01"W
7/11/11	WN	J-06	22-71	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-06	22-72	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-06	22-73	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-06	22-74	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-06	22-75	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-06	22-76	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-06	22-77	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-06	22-78	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-06	22-79	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	H-05	22-8	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-06	22-80	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-06	22-81	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	22-83A	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	22-83A	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	22-83B	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	22-83C	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	22-84	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	22-85	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	22-86	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	22-87	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	22-88	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	H-06	23-0A	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	H-06	23-0B	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	H-07	23-0C	Inlet	GOOD	DRY	NO	YES	JET/VAC	9/20/2011	NO	Wyman Scott / Jet & Vac		
7/11/11	WN	H-07	23-0D	Inlet	GOOD	DRY	NO	YES	JET/VAC	9/13/2011	NO	Wyman Scott / Jet & Vac		
7/11/11	WN	H-07	23-0E	Inlet	GOOD	WET	NO	YES	JET/VAC	9/13/2011	NO	Wyman Scott / Jet & Vac		
7/11/11	WN	H-07	23-0F	Inlet	GOOD	WET	NO	YES	JET/VAC	9/13/2011	NO	Wyman Scott / Jet & Vac		
7/11/11	WN	H-07	23-0G	Inlet	GOOD	DRY	NO	YES	JET/VAC	9/20/2011	NO	Wyman Scott / Jet & Vac	26°37'57.11"N	80° 8'14.99"W
7/14/11	WN	H-08	23-10	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	23-103	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	23-106	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-107	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-108	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-109	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-11	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-110	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-111A	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-111B	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-112A	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-112B	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-113	Inlet	GOOD	WET	NO	NO	NONE					

	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments	Longitude	Latitude
7/14/11	WN	I-08	23-114	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	I-05	23-115	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-116	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-117	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-118A	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-118B	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-119A	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-119B	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-11A	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-11D	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-11E	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	23-12	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-120	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-121	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-122A	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-122B	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-123A	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-123B	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-07	23-124	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-07	23-125	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-126	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-127	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-128	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-129	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-128	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-129	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	23-13	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-130	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-131	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-132	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-133	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-134	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-135	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-136	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-137	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-138	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-139	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-140	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-141	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-143	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-144	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-145	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-146	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-146B	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-146C	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-146D	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-147	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-148	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-149	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-14A	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-14B	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-15	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-150	Inlet	GOOD	WET	NO	NO	NONE					

	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments	Longitude	Latitude
7/14/11	WN	H-08	23-150A	Inlet	GOOD	WET	NO	NO	NONE			ADD TO MAP	26°37'49.74"N	80° 7'33.51"W
7/14/11	WN	H-08	23-151	Inlet	GOOD	WET	NO	NO	NONE			Relocated New #	26°37'51.51"N	80° 7'33.18"W
7/14/11	WN	J-08	23-151B	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	J-08	23-151C	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-152	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-153	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-154	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-155	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-156	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-157	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	23-158	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	23-159	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-16	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	23-160	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	23-161	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	23-162	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-163	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-164	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-165	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-166	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	23-167A	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	23-167B	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-168A	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-168B	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-168A	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-168B	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-169A	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-169B	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-171	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-170A	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-170B	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-171A	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-171B	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	23-172A	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	23-172B	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	23-172C	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	23-173A	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	23-173B	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-174A	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-174B	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-175A	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-175B	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-176A	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-176B	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-177A	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	23-177B	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-18A	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-18B	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-18D	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-18E	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-19	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	23-1A	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	23-1B	Inlet	GOOD	WET	NO	NO	NONE					

	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments	Longitude	Latitude
7/19/11	WN	I-08	23-20	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-21	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-22	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-22A	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-23	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-23A	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-24	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	23-26	Inlet	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	23-27	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	23-28	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	23-29	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	23-2A	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	23-2B	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	23-3	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	23-30	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	23-31	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	23-32	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	23-33	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	23-34	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	23-35	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	23-36	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	23-37A	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	23-37B	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	23-37C	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	23-38	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	23-39	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	23-4	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	23-40	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	23-42	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	23-42A	Inlet	GOOD	WET	NO	NO	NONE			ADD TO MAP	26°37'34.62"N	80° 7'45.29"W
7/14/11	WN	I-08	23-43	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-44	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-45	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-46	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-47	Inlet	GOOD	WET	NO	NO	NONE					
7/14/11	WN	I-08	23-49	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	23-5	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-50	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-51	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-52	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-51	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-55	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-56	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-57	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-59	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	23-6	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-60A	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-60B	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-62	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-64	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-66	Inlet	GOOD	WET	NO	NO	NONE					

	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments	Longitude	Latitude
7/19/11	WN	I-08	23-68	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-69	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	23-7	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-71	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-72	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-74	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-76	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-77	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-78	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-79	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	23-8	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-80	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-80	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-81	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	23-83	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	23-84	Inlet	GOOD	WET	NO	YES	JET&VAC	9/13/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-07	23-85A	Inlet	GOOD	WET	NO	YES	JET&VAC	9/13/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-07	23-85B	Inlet	?	?	?	?	NONE			Could Not Check" Dog" Will Jet From 23-85A		
7/13/11	WN	J-07	23-86	Inlet	GOOD	WET	NO	YES	JET&VAC	9/13/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-07	23-87A	Inlet	GOOD	WET	NO	YES	JET&VAC	9/13/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-07	23-87B	Inlet	GOOD	WET	NO	YES	JET&VAC	9/13/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-06	23-87C	Inlet	GOOD	WET	NO	YES	JET&VAC	9/13/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-06	23-88A	Inlet	GOOD	WET	NO	YES	JET&VAC	9/14/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-07	23-88B	Inlet	GOOD	WET	NO	YES	JET&VAC	9/13/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-06	23-88A	Inlet	GOOD	WET	NO	YES	JET&VAC	9/14/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-07	23-88B	Inlet	GOOD	WET	NO	YES	JET&VAC	9/13/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-07	23-89	Inlet	GOOD	WET	NO	YES	JET&VAC	9/14/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	H-08	23-9	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	23-90	Inlet	GOOD	WET	NO	YES	JET&VAC	9/14/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-07	23-91A	Inlet	GOOD	WET	NO	YES	JET&VAC	9/14/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-07	23-91B	Inlet	GOOD	WET	NO	YES	JET&VAC	9/14/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-07	23-92	Inlet	GOOD	WET	NO	YES	JET&VAC	9/14/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-07	23-93A	Inlet	GOOD	WET	NO	YES	JET&VAC	9/14/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-07	23-93B	Inlet	GOOD	WET	NO	YES	JET&VAC	9/14/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-07	23-93C	Inlet	GOOD	WET	NO	YES	JET&VAC	9/14/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-07	23-94A	Inlet	GOOD	WET	NO	YES	JET&VAC	9/20/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-07	23-94B	Inlet	GOOD	WET	NO	YES	JET&VAC	9/20/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-07	23-95	Inlet	GOOD	WET	NO	YES	JET&VAC	9/14/2011	NO	Wyman Scott / Jet & Vac		
7/13/11	WN	J-07	23-96	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	23-97	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	23-98	Inlet	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	23-99	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-15	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-16	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-17	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-08	24-1A	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-08	24-1B	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-28	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-29	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-08	24-2A	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-08	24-2B	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-30	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-33	Inlet	GOOD	WET	NO	NO	NONE					

	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments	Longitude	Latitude
7/19/11	WN	J-09	24-34	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-35	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-36	Inlet	GOOD	WET	NO	NO	NONE			ADD TO MAP	26°37'20.04"N	80° 6'53.99"W
7/19/11	WN	J-09	24-36A	Inlet	GOOD	WET	NO	NO	NONE			ADD TO MAP	26°37'19.73"N	80° 6'52.09"W
7/19/11	WN	J-09	24-37	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-38	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-39	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-08	24-3A	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-08	24-3B	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-4	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-40	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-41	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-42	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-43	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-44	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-5	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-6	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-7	Inlet	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	24-8	Inlet	GOOD	WET	NO	NO	NONE					
7/25/11	WN	K-09	25-10	Inlet	GOOD	WET	NO	NO	NONE					
7/25/11	WN	K-09	25-11	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/15/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	K-09	25-12	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/15/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	K-09	25-13	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/15/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	K-09	25-14	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/15/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	L-09	25-15	Inlet	GOOD	DRY	NO	NO	NONE					
7/25/11	WN	L-09	25-16	Inlet	GOOD	DRY	NO	NO	NONE					
7/25/11	WN	L-09	25-17	Inlet	GOOD	DRY	NO	NO	NONE					
7/25/11	WN	L-09	25-18	Inlet	GOOD	DRY	NO	NO	NONE					
7/25/11	WN	L-08	25-19	Inlet	GOOD	WET	NO	NO	NONE					
7/25/11	WN	K-09	25-1A	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/15/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	K-09	25-1B	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/15/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	K-09	25-1C	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/15/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	K-09	25-2	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/16/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	L-08	25-20	Inlet	GOOD	WET	NO	NO	NONE					
7/25/11	WN	L-08	25-21	Inlet	GOOD	WET	NO	NO	NONE					
7/25/11	WN	L-08	25-22	Inlet	GOOD	WET	NO	NO	NONE					
7/25/11	WN	L-08	25-23	Inlet	GOOD	WET	NO	NO	NONE					
7/25/11	WN	L-09	25-25	Inlet	GOOD	WET	NO	NO	NONE					
7/25/11	WN	L-09	25-26	Inlet	GOOD	WET	NO	NO	NONE					
7/25/11	WN	L-09	25-17	Inlet	GOOD	WET	NO	NO	NONE					
7/25/11	WN	L-09	25-28	Inlet	GOOD	WET	NO	NO	NONE					
7/25/11	WN	L-09	25-29	Inlet	GOOD	WET	NO	NO	NONE					
7/25/11	WN	K-09	25-3	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/16/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	L-09	25-30	Inlet	GOOD	WET	NO	NO	NONE					
7/25/11	WN	L-08	25-31	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/16/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	L-08	25-32	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/16/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	L-09	25-33	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/16/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	L-09	25-34	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/19/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	L-09	25-35	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/20/2011	NO	Wyman Scott / Jet & Vac		
		L-09	25-35A	Inlet								Add to Inventory/ Located in Back Yard	26°36'36.00"N	80° 7'9.03"W
7/25/11	WN	L-09	25-36	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/16/2011	NO	Wyman Scott / Jet & Vac		

	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments	Longitude	Latitude
7/25/11	WN	K-09	25-4	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/15/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	M-09	25-46D	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/19/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	L-09	25-46E	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/19/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	K-09	25-49	Inlet	GOOD	WET	NO	NO	NONE					
7/25/11	WN	K-09	25-5	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/15/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	K-09	25-50	Inlet	GOOD	WET	NO	NO	NONE					
7/25/11	WN	K-09	25-51	Inlet	GOOD	WET	NO	NO	NONE					
7/25/11	WN	K-09	25-52	Inlet	GOOD	WET	NO	NO	NONE					
7/25/11	WN	K-09	25-6	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/15/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	K-09	25-7	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/15/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	K-09	25-8	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/15/2011	NO	Wyman Scott / Jet & Vac		
7/25/11	WN	K-09	25-9	Inlet	GOOD	DRY	NO	YES	JET&VAC	9/15/2011	NO	Wyman Scott / Jet & Vac		
7/18/11	WN	K-07	26-1	Inlet	GOOD	WET	NO	NO	NONE					
7/27/11	WN	L-06	26-10	Inlet	GOOD	DRY	NO	NO	NONE					
7/27/11	WN	L-06	26-11	Inlet	GOOD	DRY	NO	NO	NONE					
7/27/11	WN	L-06	26-12	Inlet	GOOD	DRY	NO	NO	NONE					
7/27/11	WN	M-06	26-13	Inlet	GOOD	WET	NO	NO	NONE					
7/27/11	WN	M-06	26-14	Inlet	GOOD	WET	NO	NO	NONE					
7/27/11	WN	M-06	26-15	Inlet	GOOD	WET	NO	NO	NONE					
7/27/11	WN	M-06	26-16	Inlet	GOOD	WET	NO	NO	NONE					
7/27/11	WN	M-06	26-17	Inlet	GOOD	WET	NO	NO	NONE					
7/27/11	WN	M-06	26-18	Inlet	GOOD	WET	NO	NO	NONE					
7/18/11	WN	K-07	26-2	Inlet	GOOD	WET	NO	NO	NONE					
7/25/11	WN	K-08	26-25	Inlet	GOOD	WET	NO	NO	NONE					
7/27/11	WN	M-07	26-27	Inlet	GOOD	WET	NO	NO	NONE					
7/27/11	WN	M-07	26-28	Inlet	GOOD	WET	NO	NO	NONE	9/20/2011	NO	Wyman Scott / Jet & Vac		
7/18/11	WN	K-07	26-3A	Inlet	GOOD	WET	NO	NO	NONE					
7/18/11	WN	K-07	26-3B	Inlet	GOOD	WET	NO	NO	NONE					
7/18/11	WN	K-07	26-4A	Inlet	GOOD	WET	NO	NO	NONE					
7/18/11	WN	K-07	26-4B	Inlet	GOOD	WET	NO	NO	NONE					
7/18/11	WN	K-07	26-5	Inlet	GOOD	WET	NO	NO	NONE					
7/18/11	WN	K-07	26-6	Inlet	GOOD	WET	NO	NO	NONE					
7/18/11	WN	K-07	26-7	Inlet	GOOD	WET	NO	NO	NONE					
7/27/11	WN	L-06	26-8A	Inlet	GOOD	WET	NO	NO	NONE					
7/27/11	WN	L-06	26-8B	Inlet	GOOD	WET	NO	NO	NONE					
7/18/11	WN	L-07	26-8C	Inlet	GOOD	WET	NO	NO	NONE					
7/18/11	WN	L-07	26-8D	Inlet	GOOD	WET	NO	NO	NONE					
7/27/11	WN	L-06	26-9	Inlet	GOOD	WET	NO	NO	NONE					
7/27/11	WN	L-06	27-1	Inlet	GOOD	WET	NO	NO	NONE					
7/27/11	WN	L-06	27-2	Inlet	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-05	CS-01	Control Structure	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-05	CS-02	Control Structure	GOOD	WET	NO	NO	NONE					
7/25/11	WN	K-09	CS-03	Control Structure	GOOD	WET	NO	NO	NONE					
7/25/11	WN	L-09	CS-04	Control Structure	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	CS-05	Control Structure	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	CS-06	Control Structure	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	CS-07	Control Structure	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	CS-09	Control Structure	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	CS-10	Control Structure	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	CS-11	Control Structure	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	CS-12	Control Structure	GOOD	WET	NO	NO	NONE					

	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments	Longitude	Latitude
7/13/11	WN	I-07	CS-29	Control Structure	GOOD	WET	NO	NO	NONE			ADD TO MAP	26°37'34.66"N	80° 8'8.91"W
7/13/11	WN	H-07	CS-13	Control Structure	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	MH- 23-4	Manhole	GOOD	WET	NO	NO	NONE			COUNTY ?		
7/6/11	WN	B-05	MH-10-11	Manhole	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-05	MH-10-13	Manhole	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-05	MH-10-16	Manhole	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-05	MH-10-18	Manhole	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-04	MH-10-2	Manhole	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-05	MH-10-20	Manhole	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-05	MH-10-22	Manhole	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-05	MH-10-24	Manhole	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-06	MH-10-27	Manhole	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-06	MH-10-29	Manhole	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-04	MH-10-3	Manhole	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-04	MH-10-4	Manhole	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-05	MH-10-6	Manhole	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-05	MH-10-8	Manhole	GOOD	WET	NO	NO	NONE					
7/6/11	WN	E-06	MH-15-2	Manhole	GOOD	WET	NO	NO	NONE					
7/6/11	WN	E-06	MH-15-4	Manhole	GOOD	WET	NO	NO	NONE					
7/6/11	WN	F-04	MH-16-9	Manhole	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-05	MH-22-35	Manhole	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	MH-22-53	Manhole	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	MH-22-54	Manhole	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	MH-22-59	Manhole	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-06	MH-22-71A	Manhole	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-06	MH-22-82	Manhole	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	MH-22-84A	Manhole	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	MH-23-11B	Manhole	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	MH-23-11C	Manhole	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	MH-23-142	Manhole	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	MH-23-173C	Manhole	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-08	MH-24-1	Manhole	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-08	MH-24-3	Manhole	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	MH-24-36	Manhole	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	MH-24-4	Manhole	GOOD	WET	NO	NO	NONE					
7/19/11	WN	J-09	MH-24-6	Manhole	GOOD	WET	NO	NO	NONE					
7/13/11	WN	K-07	MH-26-2	Manhole	GOOD	WET	NO	NO	NONE					
7/13/11	WN	K-07	MH-26-3	Manhole	GOOD	WET	NO	NO	NONE					
7/6/11	WN	B-05	OF-10-1	Outfall	GOOD	WET	NO	NO	NONE					
7/6/11	WN	F-06	OF-15-10	Outfall	GOOD	WET	NO	NO	NONE					
7/6/11	WN	E-06	OF-15-17	Outfall	GOOD	WET	NO	NO	NONE					
7/6/11	WN	E-06	OF-15-1A	Outfall	GOOD	WET	NO	NO	NONE					
7/6/11	WN	E-06	OF-15-1B	Outfall	GOOD	WET	NO	NO	NONE					
7/6/11	WN	E-06	OF-15-2	Outfall	GOOD	WET	NO	NO	NONE					
7/6/11	WN	E-06	OF-15-3	Outfall	GOOD	WET	NO	NO	NONE					
7/6/11	WN	F-04	OF-16-5	Outfall	?	WET	NO	YES	YES			ADD TO MAP / CLEAR END OF PIPE	26°38'38.50"N	80° 9'15.53"W
7/6/11	WN	F-04	OF-16-10	Outfall	GOOD	WET	NO	YES	YES			CLEAR END OF PIPE		
7/6/11	WN	F-04	OF-16-13	Outfall	GOOD	WET	NO	YES	YES			CLEAR END OF PIPE		
7/6/11	WN	F-04	OF-16-14	Outfall	GOOD	WET	NO	YES	YES			ADD TO MAP / CLEAR END OF PIPE	26°38'36.50"N	80° 9'18.85"W
7/7/11	WN	H-05	OF-22-10	Outfall	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-06	OF-22-18	Outfall	GOOD	WET	NO	NO	NONE					

	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments	Longitude	Latitude
7/7/11	WN	H-06	OF-22-19	Outfall	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-05	OF-22-2	Outfall	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-06	OF-22-20	Outfall	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-06	OF-22-22	Outfall	GOOD	WET	NO	NO	NONE					
7/7/11	WN	I-05	OF-22-31	Outfall	GOOD	WET	NO	NO	NONE					
7/7/11	WN	I-05	OF-22-34	Outfall	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-05	OF-22-37	Outfall	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-05	0F-22-39	Outfall	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-05	OF-22-42	Outfall	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	OF-22-66	Outfall	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-06	OF-22-67	Outfall	GOOD	WET	NO	NO	NONE					
7/11/11	WN	J-06	OF-22-70	Outfall	GOOD	WET	NO	NO	NONE				26°37'24.71"N	80° 8'24.99"W
7/11/11	WN	J-06	OF-22-82	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	OF-23-0	Outfall	GOOD	WET	NO	NO	NONE				26°37'54.87"N	80° 8'11.94"V
7/13/11	WN	J-07	OF-23-105	Outfall	GOOD	WET	NO	NO	NONE			Relocated North	26°37'25.47"N	80° 7'47.86"W
7/13/11	WN	J-07	OF-23-105A	Outfall	GOOD	WET	NO	NO	NONE				26°37'25.46"N	80° 7'49.70"W
7/13/11	WN	J-07	OF-23-105B	Outfall	GOOD	WET	NO	NO	NONE				26°37'25.68"N	80° 7'49.66"W
7/13/11	WN	J-07	OF-23-105C	Outfall	GOOD	WET	NO	NO	NONE				26°37'25.72"N	80° 7'50.13"W
7/13/11	WN	J-07	OF-23-105D	Outfall	GOOD	WET	NO	NO	NONE				26°37'25.41"N	80° 7'50.15"W
7/13/11	WN	J-07	OF-23-106	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	OF-23-107	Outfall	GOOD	WET	NO	NO	NONE			Relocated South	26°37'17.20"N	80° 7'48.26"W
7/13/11	WN	J-07	OF23-107A	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	OF-23-107B	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	OF-23-107C	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	OF-23-107D	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	OF-23-12	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	OF-23-13	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	OF-23-137	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	K-08	OF-23-139	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	OF-23-158	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	OF-23-160	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	OF-23-170	Outfall	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	OF-23-171	Outfall	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	OF-23-172	Outfall	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	OF-23-173	Outfall	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	OF-23-174	Outfall	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	OF-23-175	Outfall	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	OF-23-176	Outfall	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	OF-23-177	Outfall	GOOD	WET	NO	NO	NONE					
7/14/11	WN	H-08	OF-23-178	Outfall	GOOD	WET	NO	NO	NONE					
7/11/11	WN	I-06	OF-23-26	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	OF-23-29	Outfall	GOOD	WET	NO	NO	NONE			ADD/REMOVE ?	26°37'34.88"N	80° 8'8.93"W
7/13/11	WN	I-07	OF-23-31	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	OF-23-32	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	OF-23-34	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	OF-23-37C	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	OF-23-38	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	OF-23-42	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	I-07	OF-23-42A	Outfall	GOOD	WET	NO	NO	NONE				26°37'34.70"N	80° 7'45.28"W
7/19/11	WN	I-08	OF-23-43A	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-43B	Outfall	GOOD	WET	NO	NO	NONE					

	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments	Longitude	Latitude
7/19/11	WN	I-08	OF-23-45	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-46	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-47	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-48	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-49	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-53	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-54	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-55	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-57	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-58	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-59	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-62	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-64	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-65	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-66	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-68	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-71	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-74	Outfall	GOOD	WET	NO	NO	NONE			Remove From Map		
7/19/11	WN	I-08	OF-23-76	Outfall	GOOD	WET	NO	NO	NONE			Remove From Map		
7/19/11	WN	I-08	OF-23-80	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-81	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-82	Outfall	GOOD	WET	NO	NO	NONE					
7/19/11	WN	I-08	OF-23-83	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	OF-23-84	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	OF-23-89	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	OF-23-90	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	OF-23-95	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	OF-23-96	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	OF-23-96A	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	OF-23-96B	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	OF-23-96C	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	OF-23-97	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	OF-23-98	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	OF-23-98A	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	J-07	OF-23-99	Outfall	GOOD	WET	NO	NO	NONE					
7/25/11	WN	K-09	OF-25-12	Outfall	GOOD	WET	NO	NO	NONE					
7/25/11	WN	K-09	OF-25-13	Outfall	GOOD	WET	NO	NO	NONE					
7/25/11	WN	L-09	OF-25-17	Outfall	GOOD	WET	NO	NO	NONE					
7/25/11	WN	K-09	OF-25-1C	Outfall	GOOD	WET	NO	NO	NONE					
7/25/11	WN	K-09	OF-25-2L	Outfall	GOOD	WET	NO	NO	NONE					
7/25/11	WN	L-09	OF-25-23	Outfall	GOOD	WET	NO	NO	NONE					
7/25/11	WN	L-09	OF-25-24	Outfall	GOOD	WET	NO	NO	NONE					
7/25/11	WN	L-09	OF-25-30	Outfall	GOOD	WET	NO	NO	NONE					
7/25/11	WN	L-08	OF-25-31	Outfall	GOOD	WET	NO	NO	NONE					
7/25/11	WN	K-09	OF-25-52	Outfall	GOOD	WET	NO	NO	NONE					
7/27/11	WN	M-06	OF-26-18	Outfall	GOOD	WET	NO	NO	NONE					
7/13/11	WN	H-07	OF-26-7	Outfall	GOOD	WET	NO	NO	NONE					
7/7/11	WN	H-05	OF-CS-01	Outfall	GOOD	WET	NO	NO	NONE					
7/25/11	WN	K-09	OF-CS-03	Outfall	GOOD	WET	NO	NO	NONE					
7/25/11	WN	L-09	OF-DET-02	Outfall	GOOD	WET	NO	NO	NONE					
7/25/11	WN	M-08	25-40	INLET	GOOD	DRY	NO	YES	JET&VAC	9/19/2011	NO	NEEDS TO BE ADDED TO BOOK INDEX		

	Inspector	Map Page / Location	Structure ID	Type	Structure Condition	Wet / Dry	Oil Sheen	Excess Sediment / Trash	Action Needed	Date Action Was Taken	Follow Up Needed?	Comments	Longitude	Latitude
7/25/11	WN	M-08	25-39	INLET	GOOD	DRY	NO	YES	JET&VAC	9/19/2011	NO	NEEDS TO BE ADDED TO BOOK INDEX		
7/25/11	WN	M-08	25-37	INLET	GOOD	DRY	NO	YES	JET&VAC	9/16/2011	NO	NEEDS TO BE ADDED TO BOOK INDEX		
7/25/11	WN	M-08	25-38	INLET	GOOD	DRY	NO	YES	JET&VAC	9/20/2011	NO	NEEDS TO BE ADDED TO BOOK INDEX		
7/25/11	WN	M-08	OF-25-38	Outfall	GOOD	WET	NO	NO	NONE			NEEDS TO BE ADDED TO BOOK INDEX		
7/25/11	WN	M-08	MH-25-38	Manhole	GOOD	DRY	NO	YES	NONE			NEEDS TO BE ADDED TO BOOK INDEX		
7/25/11	WN	M-09	OF-25-41	Outfall	GOOD	WET	NO	NO	NONE			NEEDS TO BE ADDED TO BOOK INDEX		
7/25/11	WN	M-09	25-48	INLET	GOOD	DRY	NO	YES	JET&VAC	9/19/2011	NO	NEEDS TO BE ADDED TO BOOK INDEX		
7/25/11	WN	M-09	25-47	INLET	GOOD	DRY	NO	YES	JET&VAC	9/19/2011	NO	NEEDS TO BE ADDED TO BOOK INDEX		
7/25/11	WN	M-09	25-46A	INLET	GOOD	DRY	NO	YES	JET&VAC	9/20/2011	NO	NEEDS TO BE ADDED TO BOOK INDEX		
7/25/11	WN	M-09	25-46B	INLET	GOOD	DRY	NO	YES	JET&VAC	9/20/2011	NO	NEEDS TO BE ADDED TO BOOK INDEX		
7/25/11	WN	M-09	25-46C	INLET	GOOD	DRY	NO	YES	JET&VAC	9/20/2011	NO	NEEDS TO BE ADDED TO BOOK INDEX		
7/25/11	WN	M-09	25-46	INLET	GOOD	DRY	NO	YES	JET&VAC	9/20/2011	NO	NEEDS TO BE ADDED TO BOOK INDEX		
7/25/11	WN	M-09	25-45	INLET	GOOD	DRY	NO	YES	JET&VAC	9/20/2011	NO	NEEDS TO BE ADDED TO BOOK INDEX		
7/25/11	WN	M-09	25-44	INLET	GOOD	DRY	NO	YES	JET&VAC	9/19/2011	NO	NEEDS TO BE ADDED TO BOOK INDEX		
7/25/11	WN	M-09	25-43	INLET	GOOD	DRY	NO	YES	JET&VAC	9/19/2011	NO	NEEDS TO BE ADDED TO BOOK INDEX		
7/25/11	WN	M-09	25-42	INLET	GOOD	DRY	NO	YES	JET&VAC	9/19/2011	NO	NEEDS TO BE ADDED TO BOOK INDEX		
7/25/11	WN	M-09	25-41	INLET	GOOD	DRY	NO	YES	JET&VAC	9/19/2011	NO	NEEDS TO BE ADDED TO BOOK INDEX		

Attachment 1D: Site map showing City of Greenacres Outfalls 23-171, 23-175, and 23-177

Contributing Area	Body of Water	Outfall ID Numbers per Contributing Area									
1	L-6 Canal	OF-10-1									
2	L-6 Canal	OF-16-13	OF-16-10								
3	L-10 Canal	OF-CS-01	OF-22-10								
4	L-6 Canal	OF-22-2									
5	L-11 Canal	OF-22-31									
6	L-11 Canal	OF-22-34	OF-22-42	OF-22-39	OF-22-37						
7	L-10 Canal	OF-23-170	OF-23-171	OF-23-172	OF-23-173	OF-23-174	OF-23-175	OF-23-176	OF-23-177	OF-23-178	
8	L-10 Canal	OF-23-42	OF-23-43B	OF-23-47	OF-23-45	OF-23-46	OF-23-49	OF-23-53	OF-23-55	OF-23-57	OF-23-59
		OF-23-62	OF-23-64	OF-23-66	OF-23-68	OF-23-71	OF-23-74	OF-23-76	OF-23-83	OF-23-81	OF-23-80
		OF-23-82	OF-23-65	OF-23-58	OF-23-54	OF-23-48	OF-23-43A				
9	E-3 Canal	OF-23-106	OF-23-139	OF-23-137							
10	L-11 Canal	OF-23-13	OF-23-12	OF-23-31	OF-23-32	OF-23-34					
11	L-11 Canal	OF-23-26									
12	L-11 Canal										
13	L-11 Canal	OF-23-37C	OF-23-38								
14	E-3 Canal	OF-23-96	OF-23-96A								
15	E-3 Canal	OF-23-105	OF-23-107	OF-23-98	OF-23-98A	OF-23-107A	OF-23-107B	OF-23-107C	OF-23-107D		
16	E-3 Canal	OF-23-89	OF-23-158	OF-23-160	OF-23-95	OF-23-97	OF-23-99	OF-23-84	OF-23-90	OF-23-96B	OF-23-96C
17	L-12 Canal	OF-CS-03	OF-25-1C	OF-25-12	OF-25-13	OF-25-2	OF-25-52				
18	L-13 Canal	OF-DET-02	OF-25-30	OF-25-31	OF-25-39	OF-24-41	OF-25-33	OF-25-24	OF-25-23	OF-25-17	
19	L-14 Canal	OF-26-18	OF-14	OF-26-37	OF-26-39	OF-26-35					
20	L-10 Canal	OF-22-22									

Contributing Area ID: 1
Body of Water: L-6 Canal

Contributing Area ID: 2
Body of Water: L-6 Canal

Contributing Area ID: 3
Body of Water: L-10 Canal

Contributing Area ID: 4
Body of Water: L-6 Canal

Contributing Area ID: 5
Body of Water: L-11 Canal

Contributing Area ID: 6
Body of Water: L-11 Canal

Contributing Area ID: 7
Body of Water: L-10 Canal

Contributing Area ID: 8
Body of Water: L-10 Canal

Contributing Area ID: 9
Body of Water: E-3 Canal

Contributing Area ID: 10
Body of Water: L-11 Canal

Contributing Area ID: 11
Body of Water: L-11 Canal

Contributing Area ID: 12
Body of Water: L-11 Canal

Contributing Area ID: 13
Body of Water: L-11 Canal

Contributing Area ID: 14
Body of Water: E-3 Canal

Contributing Area ID: 15
Body of Water: E-3 Canal

Contributing Area ID: 16
Body of Water: E-3 Canal

Contributing Area ID: 17
Body of Water: L-12 Canal

Contributing Area ID: 18
Body of Water: L-13 Canal

Contributing Area ID: 19
Body of Water: L-14 Canal

Contributing Area ID: 20
Body of Water: L-10 Canal

Legend

- NPDES Outfalls

Greenacres Outfall Contributing Areas

- Area 1 - L-6 Canal
- Area 2 - L-6 Canal
- Area 3 - L-10 Canal
- Area 4 - L-6 Canal
- Area 5 - L-11 Canal
- Area 6 - L-11 Canal
- Area 7 - L-10 Canal
- Area 8 - L-10 Canal
- Area 9 - E-3 Canal
- Area 10 - L-11 Canal
- Area 11 - L-11 Canal
- Area 12 - L-11 Canal
- Area 13 - L-11 Canal
- Area 14 - E-3 Canal
- Area 15 - E-3 Canal
- Area 16 - E-3 Canal
- Area 17 - L-12 Canal
- Area 18 - L-13 Canal
- Area 19 - L-14 Canal
- Area 20 - L-10 Canal
- Greenacres Municipal Boundary

0 1,000 2,000 3,000 Feet

1 inch = 1,000 feet

N W E S

Map Date: July, 2010

Created By: Calvin Giordano and Associates

Disclaimer: The requester of this map acknowledges and accepts the limitations of the Data shown, including the fact that the Data is dynamic and is in a constant state of maintenance, correction and update. The burden of determining accuracy, completeness and fitness for use rests solely on the requester. Contact the Planning and Engineering Department for current information or interpretation.

NPDES Outfalls and Outfall Contributing Areas

City of Greenacres

CITY OF GREENACRES
PLANNING &
ENGINEERING DEPARTMENT

5800 MELALEUCA LANE
GREENACRES, FL 33463
(561) 642-2054

Attachment 1A: Site map showing City of Greenacres Outfall 10-1

City of Greenacres

Drainage Inventory

Page : B-05

Legend

- Inlet
- Curb Inlet
- Ditch Bottom Inlet
- Control Structure
- Manhole
- Outfall
- Drainage Pipes (Flow Direction)

Grid Locator

PREV | CITY KEY | NEXT

DRAINAGE INDEX

Print Date : Aug 05, 2010

N
W E
S

0 150 300 450 Feet

Calvin, Giordano & Associates, Inc.
EXCEPTIONAL SOLUTIONS

GIS

Attachment 1B: Site map showing City of Greenacres Outfall 22-18 and 22-19

Attachment 1C: Site map showing City of Greenacres Outfall 22-66 and 22-67

Stormwater Management

Sub-Element

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II C. STORMWATER MANAGEMENT SUB-ELEMENT

1. INTRODUCTION

a. History

The City of Greenacres, which lies in the central flatlands of the County, originally consisted of mostly pines and palmetto flatwoods with numerous small ponds and lesser areas of broad, grassy sloughs. The soils, which are nearly level, wet and sandy, have a loamy subsoil or sandy layers that are weakly cemented with organic matter. In various areas the soils are underlain by limestone.

Early settlers to this County wanting to open it up to human occupation and activity, removed or controlled water by establishing drainage "districts". They constructed drainage canal networks, and thus put the reclaimed land into the production of agricultural goods. As more and more lands were drained, allowing flood protection for roads, buildings and adjacent lands from stormwater runoff, drainage programs no longer could concern themselves strictly with water removal. Today, quality of runoff water, the conservation of groundwater and surface waters, and the impact of drainage on the environment, all have to be considered.

This portion of the Plan inventories the natural conditions and drainage activities in the City of Greenacres. Although the City does not have operational authority and responsibility with respect to drainage facilities, this sub-element will evaluate the impacts of drainage activities, future actions and coordination needed concerning both drainage in general, and the overall management of surface waters.

b. Terms and Concepts

1) Drainage Systems

Water flowing overland during and immediately following a storm event is called stormwater runoff. Under the effect of gravity, the stormwater flows toward sea level through depressions and channels which comprise the drainage system of an area. The drainage system may consist of natural features, man made features, or a combination of both.

An abundance of surface water is the result of the imbalance between rainfall and its removal through ground absorption, evapotranspiration and runoff. The water that remains is surface water, some contained in lakes, shallow wetlands and in depressions. The relationships of these factors, and their effect on

the quantity of surface waters, are basic to an appreciation of the City's natural system.

a) Climate - Rainfall accounts for the majority of surface water in the City of Greenacres. An average of approximately 61 inches of rain falls annually on the City. "Precipitation occurs during all seasons, but, on the basis of mean monthly totals of precipitation, a rainy season of 5 months from June through October brings nearly 65 percent of the annual rainfall in this area."

b) Soil - Unique soil types absorb rainfall at different rates. According to the Soil Conservation Service, the predominant soil in our vicinity is the Myakka Immokakalee Basinger Association, which are "nearly level, poorly drained soils that are sandy throughout; some having a weakly cemented layer."

Level of saturation also affects the soil's ability to absorb rainfall. When the soil has reached its saturation level, which varies among soil types, all additional rainfall striking the area becomes surface runoff or standing surface water.

c) Natural Ground Cover - Through differences in the extent of root systems and in transpiration rates, differing types of vegetation can alter the speed at which infiltration occurs. Plants with large root systems create passage ways which may store additional water; those with high transpiration rates, particularly trees, literally pump water from the soil into the atmosphere. This explains why fallow land yields more runoff than forested land for a given soil type.

d) Topography - While climate, soils, and ground cover modify the volume of water retained or dissipated as runoff, topography generally effects or dictates the rate and direction of flow. Areas of greater slope will yield higher levels of runoff.

Natural drainage systems are defined by the topography of an area. The largest feature of a natural drainage system is the drainage basin, or watershed. The boundary of the basin is called the basin divide. This is a line where the natural land elevation directs runoff from the basin toward a common major drainage feature, such as a river, lake or bay. The major drainage feature is often called the receiving body and the smaller features are its tributaries.

2) Human Impact on the Natural System

Man-made stormwater facilities are designed to store or convey stormwater runoff. Swales, ditches, canals and storm sewers are typical conveyance structures, collecting stormwater runoff and directing it toward downstream receiving waters. Stormwater storage structures are generally classified as either detention or retention facilities. Detention facilities are designed to temporarily impound runoff and release it gradually to downstream portions of the drainage system through an outlet structure. Retention facilities are impoundments which release stormwater by evaporation and by percolation into the ground, with no direct discharge to surface waters.

Historically, the typical strategy adopted in response to stormwater flooding of developed areas was to modify the drainage system to convey runoff from developed sites more rapidly. Initially, this response may result in limited success in reducing nuisance effects and property damage. However, as urbanization of a drainage basin increases, storm events produce proportionately more and faster runoff, primarily due to the increase in impervious surfaces in the basin.

In addition to exacerbating flood problems, this strategy for coping with stormwater runoff has detrimental effects on water quality. Soil eroding from development sites and materials such as oil, grease, pesticides and fertilizers from urban land uses are washed off by runoff, increasing pollutant loading on receiving waters. The increased velocity of runoff also disrupts natural drainage features by destabilizing channels, leading to further sediment loading and debris accumulation.

The term "stormwater management" refers to comprehensive strategies for dealing with stormwater quantity and quality issues. The central tenet of these strategies is to ensure that the volume, rate, timing and pollutant load of runoff after development is similar to that which occurred prior to development. To accomplish this, a combination of structural and non-structural techniques is utilized. Structural techniques emphasize preservation or simulation of natural drainage features to promote infiltration, filtering and slowing of runoff. The objective of stormwater management is to utilize the combination of techniques which provide adequate pollutant removal and flood protection in the most economical manner.

One of the key principles of current stormwater management

techniques is recognition of the need for basin wide planning. The stormwater management system must be designed beginning with the final outlet point to ensure adequate capacity to handle all discharges from the upstream portion of the basin under conditions present at the time of design. It is then necessary to ensure that subsequent development upstream utilizes stormwater management techniques and systems which maintain predevelopment runoff conditions so that the downstream system is not overloaded. By ensuring that all development within the basin is based on and supportive of a plan for the entire basin, the functions and useful life of both natural and man-made components of the system will be protected and extended.

There are two basic factors involved in establishing a successful stormwater management program around these principles:

1. establishing and applying uniform design standards and procedures; and

2. ensuring adequate maintenance of system components once they are constructed. The design standard which is of primary importance is the design storm event. This standard specifies the intensity (rate of rainfall) and duration of the rainfall event to be used in the design of facilities.

2. INVENTORY AND ANALYSIS

a. Drainage Features

1) Drainage Basins

With development covering much of the City of Greenacres area with buildings, roads, parking areas etc., thus altering the natural drainage patterns, man-made drainage structures were required in order to reduce the flooding potential of the land. These man-made drainage facilities are part of the regional water management system known as the Central and Southern Florida Flood Control Project (CSFFCP) operated by the South Florida Water Management District (SFWMD) and built by the United States Army Corps of Engineers (COE).

SFWMD is responsible for storm water control within the 16 counties of its defined region. The district owns and operates approximately 215 miles of major canals in Palm Beach County. Lake Okeechobee is the hub of the South Florida flood control and water conservation system. The lake level is maintained by levees and gate structures with

discharges into the major canal system. The major canal system is divided into several drainage basins within the County.

The portions of the CSFFCP project that serve the City of Greenacres are the C-51 and C-16 drainage basins identified on Map No. 1. Lake Worth Road (S.R. 802) divides the C-51 drainage basin to the north from the C-16 basin to the south. The C-51 and C-16 basins are generally drained by a system of east-west canals referred to as laterals and north-south canals referred to as equalizers. The outfall for the drainage basins is the C-51 canal operated by SFWMD.

2) Drainage Canals

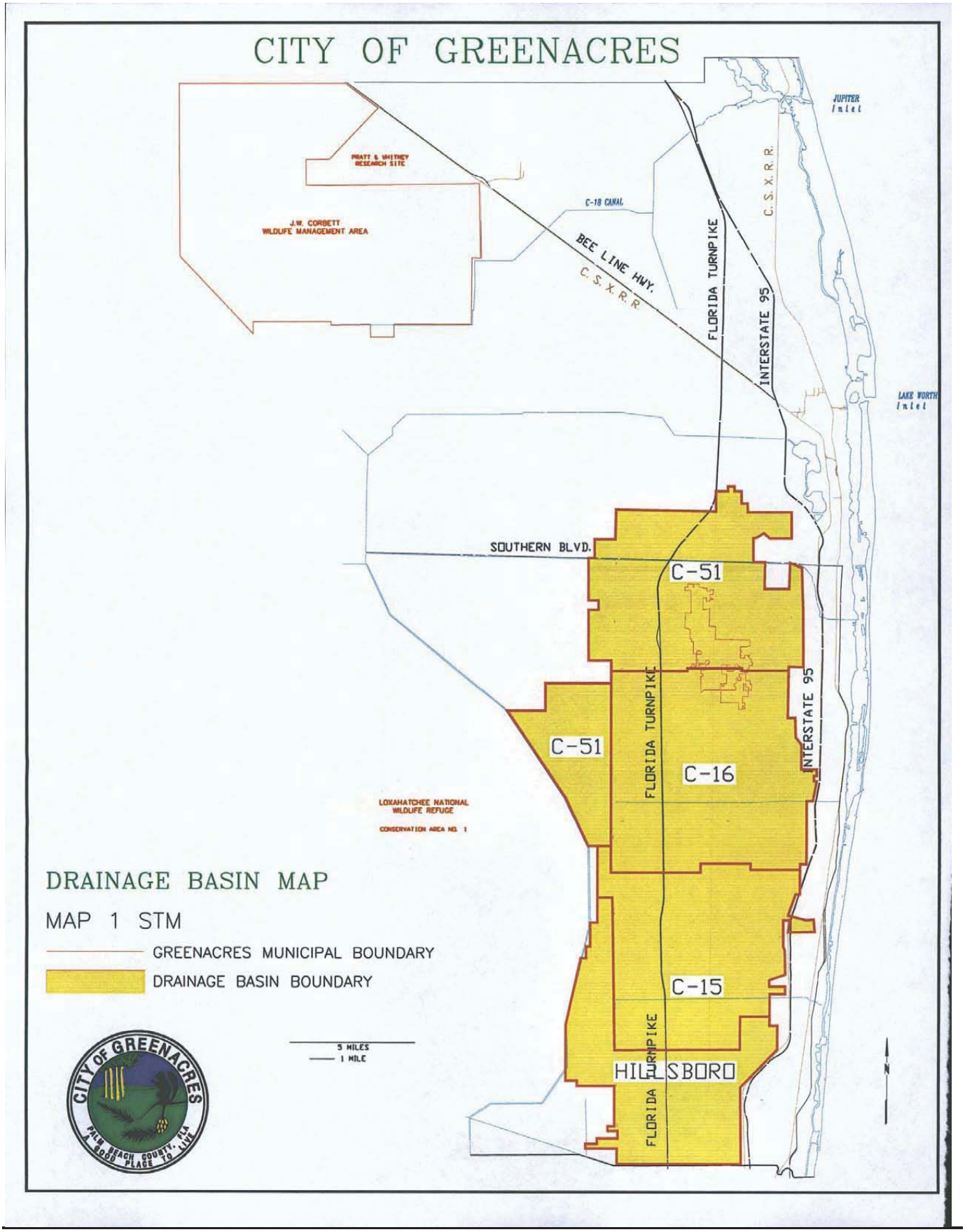
The surface water hydrology of the SFWMD is characterized by an extensive, heavily managed canal network, portions of which provide the primary drainage system to the City. There are a total of eleven (11) drainage canals bordering or within the corporate limits of the City whose locations are depicted on Map. No. 2 and include the following:

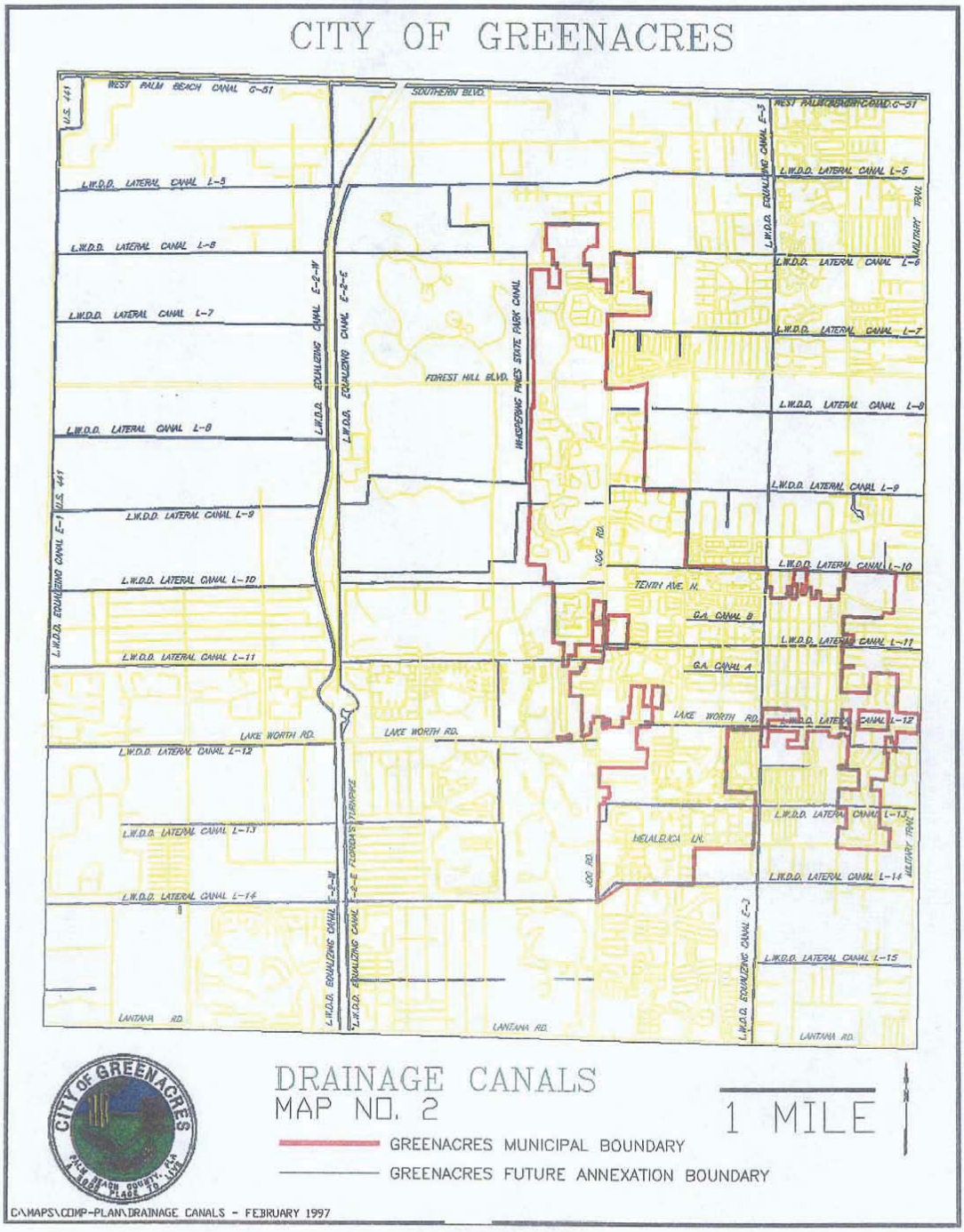
L-6	L-10	L-14
L-7	L-11	L-15
L-8	L-12	E-3
L-9	L-13	

Lake Worth Drainage District has jurisdiction of canals L-6 thru L-14 and E-3. The majority of the drainage canals have an east-west orientation except for the E-3 canal which has a north-south orientation and is located west of Fleming Avenue. All these canals were constructed between 1913 and 1927. There are no low head pumping installations or surface water impoundment areas normally associated with the SFWMD system, within the City of Greenacres. However, the structures pertaining to the City are Control #6 and #4. The controls consist of 3 "a mile" gates, #6 on Southern Boulevard west of Haverhill Road and #4 west of the Turnpike, on Southern Boulevard. Control #6 has a capacity of 650 cu. ft. per second and control #4, 550 cu.ft. per second.

3) Supplemental Drainage

The City of Greenacres also relies on natural infiltration of runoff; namely swale areas. In some areas, spot drainage facilities, including french drains, catch basins, headwalls and retention ponds have been constructed. The primary purpose of these facilities is to direct surface runoff to natural outfalls where natural infiltration is inhibited to alleviate the temporary problem of standing water. In addition, various land developers have provided a few secondary drainage systems within their


CITY OF GREENACRES
PRATT & WHITNEY RESEARCH SITE
J.W. CORBETT WILDLIFE MANAGEMENT AREA
C-18 CANAL
BEE LINE HWY.
C.S.X.R.R.
FLORIDA TURNPIKE
INTERSTATE 95
C.S.X.R.R.
JUPITER Inlet
LAKE WORTH Inlet
SOUTHERN BLVD.
C-51
C-51
C-16
C-15
HILLSBORO
LOXAHATCHEE NATIONAL WILDLIFE REFUGE
CONSERVATION AREA NO. 1
DRAINAGE BASIN MAP
MAP 1 STM
GREENACRES MUNICIPAL BOUNDARY
DRAINAGE BASIN BOUNDARY
5 MILES
1 MILE
CITY OF GREENACRES
PALM BEACH COUNTY, FLA.
A GOOD PLACE TO LIVE


CITY OF GREENACRES
WEST PALM BEACH CANAL C-51
SOUTHERN BLVD.
U.S. 441
L.W.D.D. LATERAL CANAL L-5
L.W.D.D. LATERAL CANAL L-6
L.W.D.D. LATERAL CANAL L-7
L.W.D.D. LATERAL CANAL L-8
L.W.D.D. LATERAL CANAL L-9
L.W.D.D. LATERAL CANAL L-10
L.W.D.D. LATERAL CANAL L-11
L.W.D.D. LATERAL CANAL L-12
L.W.D.D. LATERAL CANAL L-13
L.W.D.D. LATERAL CANAL L-14
L.W.D.D. LATERAL CANAL L-15
L.W.D.D. EQUALIZING CANAL E-1
L.W.D.D. EQUALIZING CANAL E-2-W
L.W.D.D. EQUALIZING CANAL E-2-E
L.W.D.D. EQUALIZING CANAL E-3
HOMESPRING PINES STATE PARK CANAL
FOREST HILL BLVD.
LAKE WORTH RD.
LANTANA RD.
FLORIDA'S TURNPIKE
10TH AVE. N.
G.A. CANAL B
G.A. CANAL A
HEALEUCA LN.
MILITARY TRAIL
100 RD.
DRAINAGE CANALS
MAP NO. 2
1 MILE
GREENACRES MUNICIPAL BOUNDARY
GREENACRES FUTURE ANNEXATION BOUNDARY
CITY OF GREENACRES
PALM BEACH COUNTY, FLA.
C:\MAPS\COMP-PLAN\DRAINAGE CANALS - FEBRUARY 1997

respective developments. These private systems are maintained by the development.

The present surface water management system, consisting of a series of canals, drainage ditches, swale systems, retention ponds and the natural percolation characteristic of area soils, will continue to provide adequate service if designed and maintained properly. However, due to the increased amounts of surface runoff generated by developed areas, initial design considerations and proper maintenance techniques are essential for the maintenance of a proper functioning system.

b. Facility Capacity

Project control structures (under the operational jurisdiction of the SFWMD) that serve the City of Greenacres regulate the flow of water in the canals. In general, they are used to discharge excess water from the basins during wet weather and to maintain minimum water levels in the canals during drought periods. Some structures are normally in the closed position to prevent water from passing from one basin to another, but can be opened to supply water from one basin or canal to another as necessary.

One of the purposes of the LWDD is to provide for water control and water supply through the construction and maintenance of canals, ditches, water control structures and pumping stations.

An extensive intermediate network of secondary canals under the jurisdiction of the Lake Worth Drainage District (See Map No. 2) discharges to primary basin canals. These LWDD canals located within the City, serve a variety of functions:

1. Flood protection
2. Land drainage for urban development
3. Regulation of groundwater elevations
4. Recharge of wellfields

The current primary drainage basins (See Map No. 1) of Palm Beach County were first delineated in the 1950's by the U.S. Army Corps of Engineers (COE) in their General Design Memorandum for the Central and Southern Florida Flood Control Project. Based on the hydrology of the basins, the COE designed and constructed a system of canals, levees, and control structures to provide flood protection for Southern and Central Florida. Most of the works constructed under the Project are now under the operational jurisdiction of the South Florida Water Management District (SFWMD). Those basins which directly impact Greenacres City are outlined below.

1) C-51 Basin

"The C-51 basin has an area of approximately 164.3 square miles. The basin is comprised of two sub basins (C-51 west and C-51 east). Stages within the C-51 canal are regulated by SFWMD. To improve the hydraulic capacity of the C-51 canal, SFWMD has recently completed channel improvements between Kirk Road and Florida's Turnpike. These improvements have resulted in the lowering of stages with the C-51 canal, thereby reducing tailwater conditions for LWDD canals. As a result of the improvements made to C-51 canal along with the exchange of discharge between LWDD C-51 and C-16 basins, it was determined that the capacity of the C-51 basin is equivalent to a 10-year, 24-hour storm event.

2) C-16 Basin

The C-16 Basin has an area of approximately 65 square miles and is designed for a 10 year, 24-hour storm event. Inflows to C-16 are by various Lake Worth Drainage District (LWDD) canals, because some of the north-south flowing LWDD canals do not have divide structures between the C-16 and the C-15 basins, between the C-16 and C-51 basins, and between the C-15 and Hillsboro basins. Therefore, some interbasin transfer of water may occur.

The LWDD canal system was designed for 25-year flood protection. Although the system has not yet been constructed to design specifications, LWDD requires that developers planning to drain to the LWDD improve the canals to design specifications.

Lake Worth Drainage District (LWDD) maintains 511 square miles of canals making it the largest independent district in the eastern county. LWDD is located in and discharges to four basins: C-51, Hillsboro, C-15, and C-16. LWDD conducted a study of its system, capacities and problem areas. This study gave the district a better indication of how the system should be operated and maintained.

Regardless of design criteria, the LWDD has fixed capacities in that it is only able to provide a set level of service and must make all flow and discharge fit into the system. Problems do arise, as with every system, with extreme storms. As growth continues in the service area, LWDD will be able to operate more efficiently. Regulations are in place which require new development to include on-site retention and regulates the outfall into SFWMD. These regulations require review and permitting by SFWMD. Occasional minor problems, such as growth of grasses and creation of sandbars which hinder flow are remedied with maintenance.

c. General Performance - Level of Service

1) Drainage District Operating Policies

Lake Worth Drainage District's plan for improvements consists of:

1. regular maintenance of canals, and
2. upgrading of control structures.

The following discharge criteria is currently held by the Lake Worth Drainage District. (Allowable discharge limits apply to all developments and/or street or road improvements).

TABLE No. 1
BASIN DISCHARGE CRITERIA

Basin	Rate	Frequency (Yrs)
C-51	35 CSM (East of Turnpike)	25
	27 CSM (West of Turnpike)	
C-16	62.6CSM	25
C-15	70 CSM	
Hillsboro	35 CSM	

SOURCE: LWDD Operating Policies-1986

Minimum discharge culverts shall be fifteen (15) inches in diameter. Minimum road and parking tract elevations shall in no case be any lower than the elevation of the Lake Worth Drainage District design profiles. The backwater effects due to distance from the receiving canal must be considered. These profiles approximate the protection required by Palm Beach County road criteria. The maximum allowable discharge from any newly constructed road or street, or from any road or street improvements, must be limited to two and one-half cubic feet per second (2.5 cfs) per half 1/2 mile section for the twenty five (25) year storm frequency.

2) Future Drainage System

All future major residential developments are required by the Land Development Regulations to provide comprehensive stormwater facilities.

These facilities must comply with the requirements of SFWMD. All runoff must be directed to percolation and detention areas for on site retention of stormwater. Therefore, the majority of the requirements for future stormwater drainage systems will be provided by developers.

3) Level of Service (LOS)

The City of Greenacres will adopt those Level of Protection LOS criteria established in the 1989 Palm Beach County Comprehensive Plan to provide the residents of the City flooding and inundation protection. Those levels of service for drainage protection, as adopted in this Sub-element, represent degrees of protection provided for various development features expressed in terms of storm events to be accommodated by the applicable stormwater facility.

a) Primary Drainage System

The "primary system" consists of classified surfacewaters of the state including canals and/or natural water courses providing final conveyance of overall drainage basin flows to the ocean or major inland water bodies. This is the outlet system for the basin. Capacity is essentially fixed by original design as well as natural, economic and environmental constraints which preclude significant upgrading or expansion. In Palm Beach County permitting and operational jurisdiction over this portion of the system is held by the South Florida Water Management District and Lake Worth Drainage District (LWDD) which is the Chapter 298, F.S., drainage district serving the City of Greenacres.

b) Secondary Systems

The "secondary system" consists of a broad range of facilities for treatment and/or control of runoff generated by defined areas of specific land uses. Outflows from such systems are normally subject to positive structural control requirements and permit limitations on their discharge to the primary system.

These facilities are generally designed to control area surface and groundwater elevations and maintain the quantity and quality of developed area runoff at pre-development levels or as otherwise required to mitigate adverse impacts on classified receiving waters. The secondary system includes "on-site" storage facilities, providing stormwater treatment and control prior to discharge from individual development projects, as well as "off-site" facilities operated by the Lake Worth Drainage District (LWDD) to provide

comparable treatment of combined runoff from multiple project sites.

c) Tertiary Drainage Systems

Storm sewers, swales, gutters and site grading comprise the "tertiary system" for immediate drainage of streets and developed areas. The major design consideration is rapid removal of stormwater from structures and areas of land uses subject to damage or disruption by inundation. These facilities must be capable of continuous, reliable performance with minimal interruption for maintenance. Although they normally provide little or no capacity for runoff control and treatment, maximizing the use of overland flow across previous areas, grassed swales and other non-structural techniques may significantly reduce the capacity requirements of the secondary system.

Since the possible combinations of rainfall rate and duration are essentially limitless, rainfall records for a given geographic area are grouped according to the statistical probability that a given average rate of rainfall (intensity) will be equaled or exceeded for a given period of time (duration). As a convention, probability is expressed in terms of the number of years (return period) expected between recurring storms of a specific intensity and duration or, more properly, that the probability of such a storm occurring in any single year is one divided by the return period. For example, if a 2-hour rainfall at an average rate of at least 3 inches/hour is expected to occur once in 5 years (or has a 1/5 chance of occurring in any given year), such a storm would be expressed as a "5-year, 2-hour storm of 3 inches/hour." The capability of a drainage system to dispose of runoff is commonly expressed in terms of the maximum storm event from which runoff can be conveyed or stored by the component facilities in a desirable manner. (See Table No. 2)

Specifying the return period and duration of rainfall to be handled by a drainage facility establishes the degree of protection that the facility can be expected to provide. That is, the chance of overloading a facility designed to accommodate runoff from a 5 year, 2-hour "design storm" is 1 in 5, while the chance of satisfactory performance is 4 in 5, in any given year for a storm lasting 2 hours.

The City lies in an area identified by the Florida Department of Transportation as Zone Ten for rainfall intensity and duration.

TABLE No. 2
TERTIARY DRAINAGE - LOS

	LEVEL OF SERVICE DEVELOPMENT FEATURE	LEGAL POSITIVE OUTFALL LEVEL OF PROTECTION
1.	Lowest habitable space of residential and commercial buildings	Inundation elevation resulting from 100-year, 3-day rainfall, assuming zero discharge; or 100-year flood elevation per F.E.M.A. Flood Insurance Rate Maps; or 100-year flood elevation as established by SFWMD Rule, whichever is more restrictive.
2.	Residential subdivision lots with gross area l/4 acre or less	3-year, 24-hour rainfall
3..	Residential subdivision lots with gross area greater than 1/4 acre a) within 20 ft. of habitable building b) remainder of lot except areas management purposes	 a) 3-year, 24-hour rainfall b) duration of inundation not to exceed 8 hours subsequent to 3-year, 24-hour rainfall
4.	Local Streets	3-year, 24-hour rainfall
5.	Collector streets not included in Thoroughfare Plan	5-year, 24-hour rainfall
6.	Thoroughfare Plan Streets	In accordance with applicable requirements per FDOT DRAINAGE MANUAL
7.	Residential parking lots	3-year, 24-hour rainfall (5-year,24-hour rainfall when exfiltration trench system used)
8.	Commercial parking lots	3-year, 1-hour rainfall (5-year, 1-hour rainfall when exfiltration trench system used)
9.	Recreation and open space areas not specifically designated for stormwater management purposes	Duration of inundation not to exceed 8 hours following 3-year, 24-hour rainfall

d) Impact on Natural Resources

1) Wildlife Habitats

The City of Greenacres is committed to the support of various species of endangered or threatened wildlife and their habitats. These habitats can be altered through drainage programs, sometimes drastically. When drained, wetland areas no longer will support the native vegetation and corresponding wildlife. At present, no threatened or endangered wildlife have been identified within the City.

2) Aquifer Systems and Recharge

Two aquifer systems underlie the City of Greenacres. They are, in descending order, the Surficial Aquifer System and the Floridan Aquifer System. Since this portion of the element deals only with aquifer recharge, additional details of the aquifer systems and the City's location within identified areas of "high aquifer recharge" can be found in the Conservation Element of this plan.

a) Surficial Aquifer System.

This system is divisible into three interconnected zones on the basis of relative permeabilities; Zone 1, which includes Greenacres City, is generally the most permeable part of the aquifer system and is located in the eastern part of the County.

County wellfields are generally located in Zone 1 which is a discontinuous zone of high secondary permeability (See Potable Water Sub Element for wellfields.) This zone, also referred to as the Turnpike Aquifer or cavity riddled zone, is the northern extension of the Biscayne Aquifer. Formed by varying dissolution of aquifer limestone materials, this has up to double the productivity of nonsolutioned parts of the system. Transmissivities of greater than 1,000,000 gallons per day per foot have been reported in this zone, according to South Florida Water Management District (SFWMD).

No single entity has "jurisdiction" over the aquifer, although the SFWMD does permit wells and water

withdrawal activities. SFWMD has been designated by the Florida Department of Environmental Protection to undertake a groundwater assessment study and identify prime areas of aquifer recharge. This study, although underway, has not been completed. The aquifer serves Palm Beach County's population regardless of jurisdictions in the County to coordinate and cooperate with each other to protect the natural system and its processes.

Water levels in the Surficial Aquifer System are largely controlled by the canal network. Recharge to the system is through infiltration from rainfall, canals, the conservation areas and Lake Okeechobee. Lake Okeechobee is particularly important during dry periods when water is moved from the lake to canals and then into the aquifer through infiltration. The role of canals in the recharge process is especially important during the "dry season" and periods of drought.

Rainfall in the City, as well as in Palm Beach County, is seasonal with about 65% of the yearly rainfall being deposited in the months of June through October. In prolonged periods of rain, soils become saturated at varying rates depending on their individual texture and the depth to a less impervious layer, with the resulting runoff following topographic features in its movement.

In addition to the monitoring, compiling and archiving of climatologic and hydrologic data, the SFWMD has analyzed these data to determine frequency, duration, and estimated recurrence of extreme hydrologic events, such as excessive rainfall and droughts. The District also publishes an annual summary of hydrologic conditions. Two recent tropical storms (Dennis, during August 16-18, 1981 and Bob, during July 22-24, 1985) and a severe drought (during 1980-82) affected portions of Palm Beach County and were the subjects of special reports by the SFWMD. The Surficial Aquifer System will probably continue to be the primary source of water for Palm Beach County

and, with proper management, should meet future needs.

b) Floridan Aquifer System

The second aquifer system in Palm Beach County is the Floridan Aquifer System. It is an artesian aquifer underlying the Surficial Aquifer System. The two systems are essentially separated by largely confining beds. Although the Floridan Aquifer is a prime source of freshwater in central Florida, water from the aquifer is non-potable in Palm Beach County due to high chloride levels and dissolved solids. The Floridan does have potential for use either as a source of brackish water for reverse osmosis or as a reservoir for storage and recovery of freshwater.

Dense, low permeable limestones and dolomites occur throughout the Floridan Aquifer System. These materials of low permeability divide the Floridan into two semi-confined aquifers. The lower portion of the Floridan known as the Boulder Zone, is cavernous, and contains water similar to seawater. The Boulder Zone is significant because it is used for waste disposal via deep-well injections.

e) Regulatory Framework

Section 208 of the Federal Water Pollution Control Act (PL92-500, 1972) is the directing federal law with respect to water pollution abatement. In implementing the Act, the Environmental Protection Agency (EPA) identified pollutants carried in stormwater runoff as a major source of water contamination. To achieve the pollution abatement goals of the Act, EPA provided assistance to state and local governments to develop Areawide Water Quality Management Plans, or "208 Plans" as they are commonly known. These 208 Plans studied a broad range of potential water pollution sources, including stormwater, and focused on identifying pollutant sources and abatement needs as well as development of regulatory programs to ensure implementation. At present, there are no federal regulations for stormwater management concerning the quantity of stormwater runoff.

The Florida Department of Environmental Protection (DEP) has adopted a Stormwater Rule (Ch. 17-25, FAC) to fulfill part of the State's responsibilities under Section 208 of the Federal Water Pollution Control Act. The Rule's basic objective is to achieve 80-95 percent removal of stormwater pollutants before discharge to receiving waters. This rule requires treatment of the first inch of runoff for sites less than 100 acres in size and the first one-half inch of runoff for sites 100 acres or greater in size.

Treatment is generally accomplished through retention or through detention with filtration. Retention requires the diversion of the required volume of runoff to an impoundment area with no subsequent direct discharge to surface waters. Pollutant removal by settling and by percolation of the stormwater through the soil is almost total. Detention facilities are typically within the line of flow of the drainage system. Stormwater from a site passes through the detention facility and is filtered prior to discharge to remove pollutants.

Implementation of the stormwater rule is achieved through a permitting process. DEP has delegated permitting responsibility to the regional water management district with jurisdiction over the Palm Beach County area.

The Central and Southern Florida Flood Control District was created by Chapter 270 Laws of Florida (1949) as a multi-county district for purposes of flood control and water conservation. Chapter 373, Florida Statutes (F.S.), the Florida Water Resources Act of 1972 (Act), greatly expanded the District's responsibilities from flood control to the full range of water management activities. In addition, the Act changed the name of the agency to the South Florida Water Management District (SFWMD).

The Act is intended to govern the regulation of all waters of the State, unless exempted by law, where waters of the State are defined to include all water on or beneath the surface of the ground or in the atmosphere. Generally, the purposes for which the Act was adopted are to provide for management of water and related land resources; to promote the conservation, development and proper utilization of surface and groundwater; to provide water storage for beneficial purposes, to prevent damage from floods, soil erosion and excessive drainage; to preserve natural resources, fish and wildlife; and to promote recreational development.

Pursuant to the Administrative Procedures Act (Chapter 120 F.S.), the District has implemented all of the permitting programs that

were authorized by the Act, by adopting rules which are published as Chapter 40E of the Florida Administrative Code (FAC).

There are two types of water resource permits issued by the District: permits for the consumptive use of water and permits for drainage or surface water management. The basic criteria for both types of permits are the same. The proposal must be reasonable and beneficial, must be in the public interest, and must not harm any other existing legal user of water. How these criteria are applied~~,~~ differs by the type of permit.

Permit review is handled by a staff of professionals experienced in water resource engineering, hydrology and the other disciplines. District staff provides assistance to meet the applicant's needs and to protect the resources and public safety of the people of South Florida.

1) Surface Water Quality Programs

The SFWMD conducts two primary types of surface water quality studies. The first is a series of research programs that are designed to address specific water quality problems. The second is a District-wide surface water quality monitoring program that is conducted by the SFWMD in cooperation with the United States Geological Survey and other agencies. Additional comments on the aforementioned agencies can be found in the Intergovernmental Element of this Plan.

f) Stormwater Runoff Quality

1) Pollution Sources

Currently, few specific water pollution problems originate in Greenacres, partly as a result of natural factors and partly as a result of development regulations. Sediment pollution caused by soil erosion is minimal. However, pollutants from lawns and roadways, such as motor oil, gas, pesticides and fertilizers, do taint stormwater runoff. Such adverse impacts result from the predominance of residential and commercial land uses coupled with the lack of a stormwater system in the City. Very frequently, therefore, strategies to manage the quantity of stormwater runoff will inherently improve the quality of stormwater runoff.

CITY OF GREENACRES COMPREHENSIVE PLAN

CAPITAL IMPROVEMENT ELEMENT

September 2008
Amendments resulting from the 2006 EAR

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I. INTRODUCTION

The Capital Improvements Element (CIE) is a requirement of the 1985 Growth Management Legislation which revised Florida Statutes Chapter 163, the Local Government Comprehensive Planning and Land Development Regulation Act. As a result, the CIE becomes a central component in the Comprehensive Plan as it enables a municipality to set forth its construction, extension and capacity increases in public facilities and services necessary to support development concurrent with the impacts of said development.

The purpose of the Capital Improvements Element is to evaluate the need for facilities identified in the other Comprehensive Plan Elements and as defined in the applicable definitions for each type of public facility, to estimate the cost of improvements for which the City of Greenacres has fiscal responsibility, to analyze the fiscal capability of the City to finance and construct improvements, to adopt financial policies to guide the funding of improvements and to schedule the funding and construction of improvements in a manner necessary to ensure that capital improvements are provided when required, based on needs identified in other plan elements.

The City of Greenacres has formulated a strong and continuous six (6) year Capital Improvements Program which includes the existing capital budget for the current fiscal year and a five (5) year program of improvements. This element is different from that program since it covers only capital improvements based upon other elements of this plan.

This element consists of the following:

- An information, inventory and analysis section; a section detailing the "plan" for providing capital improvements; a section outlining CIE goals, objectives and policies; and a section depicting future supporting studies pertinent to the CIE.

- The information, inventory and analysis section will address important definitions related to the CIE; an inventory of capital improvements needs, financial capability and fiscal practices; an assessment of revenues and expenditures; and an analysis of issues relative to capital improvements.

- The plan for providing capital improvements will develop recommendations and provide a plan of action as well as implementation measures, including a five (5) year schedule of capital improvements.

- The goals, objectives and policies section will outline a listing of statements exhibiting long term ends for the timely and efficient provision of capital improvements by implementation of sound fiscal policies.

- The supporting studies section will describe monitoring and evaluation strategies as well as future programmed studies to aid in implementation efforts and the realization

of objective and policy statements.

II. INFORMATION, INVENTORY AND ANALYSIS

A. DEFINITIONS

1. CAPITAL BUDGET - is defined as that portion of each fiscal year's budget which reflects those capital improvements contained within the capital improvements program.

2. CAPITAL IMPROVEMENT - is defined as physical assets constructed or purchased to provide, improve or replace a public facility and which are large scale and high in cost. The cost of a capital improvement is generally nonrecurring and may require multi-year financing.

3. CAPITAL IMPROVEMENTS PROGRAM (CIP) - is defined as those capital improvements scheduled to be initiated after the capital budget year, but before the end of the six (6) year planning period.

4. CAPITAL IMPROVEMENTS PROGRAMMING - is defined as the process of establishing, maintaining and updating the six (6) year scheduling of capital improvements.

5. EDUCATIONAL USES - is defined as activities and facilities of public or private primary or secondary schools, vocational and technical schools, and colleges and universities licensed by the Florida Department of Education, including the areas of buildings, campus open space, dormitories, recreational facilities or parking.

6. FISCAL IMPACT ANALYSIS - Is defined as an evaluation of the net public costs or revenues resulting from actual or planned growth.

7. IMPACT FEES - Is defined as a payment required to be made by builders or developers at the time of development approval and calculated to be the proportionate share of the cost of providing facilities and/or services to such development.

8. INFRASTRUCTURE - is defined as those man-made structures which serve the common needs of the population, such as: sewage disposal systems; potable water systems; potable water wells serving a system; solid waste disposal sites or retention areas; stormwater systems; utilities; piers; docks; wharves; breakwaters; bulkheads; seawalls; bulwarks; revetments; causeways; marinas; navigation channels; bridges; and roadways.

9. LEVEL OF SERVICE - is defined as an indicator of the extent or degree of service provided by, or proposed to be provided by a facility based on

and related to the operational characteristics of the facility. Level of service shall indicate the capacity per unit of demand for each public facility.

10. PUBLIC BUILDINGS AND GROUNDS - is defined as structures or lands that are owned, leased, or operated by the City, such as civic and community centers, hospitals, libraries, police stations, fire stations, and government administration buildings.

11. PUBLIC FACILITIES - is defined as transportation systems or facilities, sewer systems or facilities, solid waste systems or facilities, drainage systems or facilities, potable water systems or facilities, educational systems or facilities, parks and recreation systems or facilities and public health systems or facilities.

12. SERVICES - is defined as the programs and employees determined necessary by the City to provide adequate operation and maintenance of public facilities and infrastructure as well as those educational, social and other programs necessary to support the programs, public facilities, and infrastructure set out in the Comprehensive Plan or required by local, state, or federal law.

13. URBAN SERVICE AREA/LONGER TERM LIMIT LINE - Is defined as an area identified by the Greenacres City Council through official action within which urban development will be allowed during a specified time period.

B. PUBLIC EDUCATION AND HEALTH SYSTEMS

The City currently contains the following schools.

Facility:	General Location:
John I. Leonard High School	Haverhill Road & 10th Ave. N.
LC Swain Middle School	Lake Worth Road & Swain Blvd.
Okeeheelee Middle School	Forest Hill Blvd. & Pinehurst Drive
Tradewinds Middle School	Haverhill Rd. south of Melaleuca Ln.
Cholee Lake Elementary School	Dillman Road west of Jog Road
Diamond View Elementary Schl.	Haverhill Rd. south of Melaleuca Ln.
Greenacres Elementary School	Original Section
Heritage Elementary School	Haverhill Road & Melaleuca Lane
Liberty Park Elementary School	Constitution Way west of Jog Road

The geographic service areas for the schools are determined by the School District of Palm Beach County which is responsible for the construction and operation of all public schools in the County. The School District of Palm Beach County shall also maintain minimum level of service standards for public school facilities, as defined in the Public School Facilities Element and the adopted Interlocal Agreement on School Concurrency.

Presently there are no public health systems located in the City of Greenacres.

C. CAPITAL IMPROVEMENTS NEEDS

Capital Improvements where necessary and appropriate have been identified throughout the relevant elements of this plan. Table No. 1A depicts required City capital improvements from the Recreation and Open Space Element, Infrastructure Element (Drainage), and Transportation Element necessary to maintain the adopted Level of Service.

Table No. 1A indicates the project by description, the target year wherein the project should commence to maintain service levels and an estimate of the total project costs. All projects have been grouped by the element requiring the capital improvement. Footnotes describe the funding source.

The projects listed in Table No. 1A do not represent the entire capital improvements program for the City. The table merely reflects those improvements necessary to maintain the adopted Level of Service for services the City is fully or partly responsible for as shown elsewhere in the Comprehensive Plan.

Table No. 1A: City Of Greenacres Capital Improvements (2013 - 2018)

	2013	2014	2015	2016	2017	2018
Recreation						
Community Hall Renovation [3]	20,000	330,000	0	0	0	0
Ramblewood Park Sidewalk [3]	55,500	0	0	0	0	0
Stormwater Managment and Sewer Extension						
Stormwater Pipe & Basin Replacement [2]	30,000	20,000	20,000	20,000	20,000	20,000
A&B Canal Enhancement [2]	410,000	0	0	0	0	0
Sewer System for 10th Ave N MXD-OS Corridor [1]	331,050	288,850	320,850	0	0	0
Ramblewood Cir. /Harwich Ct. Storm Sewer Enhancement [2]	23,000	0	0	0	0	0
Transportation						
No projects scheduled	0	0	0	0	0	0
TOTAL:	869,050	638,850	340,850	20,000	20,000	20,000

1. This sanitary sewer extension is intended to promote economic development in the mixed use corridor in the City's Original Section. Total project cost for FY 2013 through FY 2018 is $940,750. Grant funds of $221,031 are anticipated to be provided through the City's Community Development Block Grant entitlement. Additional funding will be provided through impact fees collected per Section D.2 (d) (1) below. In FY 2013, revenue of $128,996 in fees, grants, and interest is budgeted in Fund 301 (New Growth). Expenditures in FY 2013 of $371,050 are budgeted, including the 10th Avenue North sewer system. The

existing Fund 301 balance of $2,634,255 will be used for the net expenditure in FY 2013 and to fund the balance of $719,719 needed for the sewer project ($940,750 - $221,031 grants = $719,719) through FY 2018.

2. The stormwater drainage enhancements are intended to increase the capacity of these older drainage systems to improve performance and flood protection. Total project costs for FY 2013 through FY 2018 are $563,000. Grant funds of $472,750 are anticipated to be provided through Federal Emergency Management Agency mitigation grants. In FY 2013, revenue of $463,787 in grants and interest is budgeted in Fund 304 (Reconstruction and Maintenance). Expenditures in FY 2013 of $1,310,281 are budgeted, including the stormwater drainage enhancements. The existing Fund 304 balance of $2,383,293 will be used for the net expenditure in FY 2013 and to fund the balance of $90,250 needed for the stormwater drainage projects ($563,000 - $472,750 grants = $90,250) through FY 2018.
3. The recreation enhancements are intended to increase the capacity of the City's after school program at Community Hall and improve accessibility of Ramblewood Park. Total project costs for FY 2013 through FY 2018 are $405,500. There are no grant funds anticipated for these enhancements. In FY 2013, revenue of $167,998 in grants, interest and park land rental (cell tower) is budgeted in Fund 303 (Park and Recreation). Expenditures in FY 2013 of $200,000 are budgeted, including the above enhancements. The existing Fund 303 balance of $3,326,467 will be used for the net expenditure in FY 2013 and to fund the balance of $405,500 needed for the Community Hall and Ramblewood Park projects ($405,500 - $0 grants = $405,500) through FY 2018.

Table No. 1B depicts improvements to the County and State roadway network proposed as part of the Palm Beach County's "Five Year Road Program" and shows projects within or adjacent to the City of Greenacres. The Table is based on the Program as of December 4, 2012. The Program is funded through a combination of gasoline taxes, interest, bonds, impact fees, and miscellaneous revenue, all of which are collected and controlled by Palm Beach County.

Table No. 1B: Palm Beach County Road Program (2013 –2017)

Description	2013	2014	2015	2016	2017
Haverhill Road from Lantana Rd. to S. of L-14 Canal (0.9 miles, 2 lanes to 4 lanes)	0	2,600,000	0	0	0
Haverhill Road from S. of L-14 Canal to Lake Worth Road (1.3 miles, 2 lanes to 5 lanes)	0	7,600,000	0	0	0
Intersection of L.W. Road and Jog Road	0	500,000	0	630,000	0
Total Greenacres Area Projects	0	10,700,000	0	630,000	0
Total Program Revenue	34,850,120	36,772,823	27,586,525	17,443,227	133,852,929
Total Program Costs	34,505,000	36,575,000	27,315,000	16,875,000	133,065,000

Table 1C depicts improvements shown in the Palm Beach County Water Utilities Department's "Water Supply Work Plan" (Capital Improvement Plan Detail) and includes projects throughout their interconnected system. The table is based on the Capital Improvement Plan Detail as of December 12, 2011. All of the projects depicted in Table 1C are 100% funded by Water Utility User Fees.

Table No. 1C: Palm Beach County Water Utilities Department Capital Improvements (2012 - 2016)					
Description	**2012**	**2013**	**2014**	**2015**	**2016**
Aquifer Storage and Recovery at Water Treatment Plant 8	0	0	0	0	0
Aquifer Storage and Recovery at Water Treatment Plant 2	0	0	0	0	0
Reclaimed Water Facilities and Piping Systemwide	1,950,000	4,000,000	4,000,000	500,000	500,000
Collection & Distribution Lines – Palm Springs Interconnect	100,000	0	0	0	0
New Production Wells at Water Treatment Plant 2	1,400,000	0	0	0	0
Wellfield Replacement	0	3,000,000	3,000,000	3,000,000	3,000,000
Northern Region Water Treatment Plant (10 MGD)	0	0	0	0	0
Surficial Aquifer Wellfield Projects Systemwide (WTP 3, 8 & 9)	7,500,000	0	0	0	0
TOTAL:	**10,965,000**	**7,000,000**	**7,000,000**	**3,500,000**	**3,500,000**

Table 8, below in the Goals, Objectives and Policies Section, depicts the School District of Palm Beach County's Capital Improvement program to maintain the adopted level of service.

D. FINANCIAL CAPABILITY AND FISCAL PRACTICES

1. FINANCIAL RESOURCES

The plan for capital improvements must be affordable and within the realm of the City's ability to finance. Therefore, this portion of the inventory will concentrate on recognizing the various forms of revenue presently available to the City as well as possible future sources of revenue during the five year period.

2. LOCAL SOURCES

a) PROPERTY TAXES (AD VALOREM)

Property taxes are based on a millage rate (one mill is the equivalent of $1 per $1000 of assessed value or .1%), which is applied to the total taxable value of all real property and other tangible personal property. The property tax has historically accounted for approximately 32% on average of the City's annual budgeted revenue (40% in FY 2008).

b) FRANCHISE FEES AND PUBLIC UTILITIES TAXES

These charges are derived from franchise fees and utilities taxes such as electricity, telephone and gas. The franchise fee and public utility tax revenue accounts for approximately 26% on average (25% in FY 2008) of the City's total revenue.

c) OTHER TAXES, FEES AND CHARGES

This category includes license and permit fees, various administration fees and charges, fines and forfeitures and other user charges for services and facilities operated by the City. Approximately 20 percent on average (16.8% in FY 2008) of Greenacres City's annual revenues are produced from this revenue category.

d) SPECIAL SOURCES OF REVENUE

Depending upon priorities assigned by the Greenacres City Council and the availability of other revenue sources, it may be necessary to seek additional funding mechanisms. The following sources of revenue are potential options available to the City in financing future capital improvements.

(1) IMPACT FEES

This source represents fees that are charged in advance for new development and are utilized to pay for infrastructure and capital needs (but not operating costs) that are the direct result of new development.

The City currently levies a commercial new growth impact fee, a parks and recreation land dedication impact fee in lieu of recreation land dedication and a general government services impact fee in lieu of general government service land dedication. The City also collects Palm Beach County's Countywide Impact fees and receives a 2% Commission. The remaining 98% is used solely by the County.

(2) SPECIAL ASSESSMENT

Special assessments may be levied against residents, agencies or districts who directly benefit from the new service or facility. Such assessments are more equitable than requiring all citizens of the City to pay for an

improvement that directly benefits only one neighborhood or district.

(3) BORROWING

The large costs of financing capital improvements will require the City to occasionally consider borrowing as an option. Such financing may be short, medium, or long term in nature.

Short and medium term borrowing (one to ten years) is a possibility through local financial institutions and lease/purchase acquisition of assets. Lease purchase is more often used for items of equipment, such as computers or fire trucks, but can be used to obtain facilities such as buildings. Loans from banks and other financial institutions can be obtained for short to medium term borrowing of one to ten years.

For periods over ten and up to thirty years, a customary method is to authorize bond issues. Greenacres has utilized bond issues for capital improvements such as the development of the old (1986) City Hall and of Community Park, the Public Safety Complex and the water district improvements in the original section of the City.

a) GENERAL OBLIGATION BONDS

Bonds of this type when issued by the City are payable by all taxpayers of Greenacres and are backed by the full faith and credit of the City. This type of bond requires voter approval by referendum.

b) REVENUE BONDS

Revenue bonds are financed by those users directly benefiting from the capital improvement. This type of bond can be issued more easily since it avoids the pledge of the ad valorem taxing authority of the City. Such bonds do not require voter approval prior to issue. They are financed by the pledge of other revenue sources of the City, such as Public Service Taxes, special assessment district proceeds, user charges and intergovernmental transfers.

The City issued a $1,762,000 2001 Fire Safety Revenue Bond to fund the Construction of Public Safety Station #2, acquire one aerial truck and one new and three refurbished ambulances. This bond is outstanding for a period of ten years (matures July 1, 2011).

c) OTHER BONDS

Other types of bonds are utilized for specific purposes. The most common is an Industrial Revenue Bond which would be issued by the City to finance plants and equipment for private industry. The City has not issued any bonds in this category.

d) BANK LOAN

The City borrowed $5,500,000 for building the Municipal Complex. This loan is outstanding for a period of 20 years (until September 29, 2024) at an interest rate of 4.0325%.

3. OTHER GOVERNMENTAL SOURCES

The City of Greenacres, like all other local governments, is dependent upon transfers from the State of Florida and Palm Beach County to supplement its operating and capital budget revenues.

a) STATE SOURCES

Such sources from the State include Municipal Revenue Sharing one-half cent from state sales tax, mobile home licenses, alcoholic beverage licenses and cigarette taxes. These sources represent approximately 15 percent of the City revenues.

b) COUNTY SOURCES (SHARED)

These revenue sources include a portion of the County Local Option Gas tax and Occupational Licenses. Historically, these sources represent 2.4 percent of City revenues.

4. FEDERAL AND STATE GRANTS AND LOANS

Federal and State grants - in aid are generally provided in the form of a block or categorical grant (which can take many forms, matching, direct, project etc.) to finance a number of programs.

More specifically, federal funds are currently either: allocated to state agencies which administer block grants in accordance with the programs they monitor; or are reserved at the federal agency level and are disbursed as block grants directly to state and local agencies or other eligible organizations and individuals.

The City of Greenacres has secured Federal Community Development Block Grants to construct sidewalks in the original section, renovate the Old (1962) City Hall building, renovate Ira Van Bullock Park, and improve streets north of 10th Avenue North in the original section. The City will be continuing to apply for those grants. Additionally, the City has also applied for and secured grants from the State through the Florida Recreation Development Assistance Program to construct parks such as Borrowing Owl, Rambo, Greenacres Freedom Park, and Community Park. The City will continue to apply for those matching grants to fund recreational improvements.

The City of Greenacres has applied for state and county grants to landscape medians and road right-of-ways for all county and state roads within the City. These include: Sherwood Forest Boulevard, Lake Worth Road, Forest Hill Boulevard, Jog Road and 10th Avenue North. Funds from grants will be utilized to accomplish one of the projects contained in the 2008-2013 capital improvements identified in this plan.

Numerous state and county grants have also been obtained to pay for enhancements to the City's emergency medical services including the addition of a third ambulance.

E. AN ASSESSMENT OF REVENUES AND EXPENDITURES

1. Fiscal Assessment

This section provides an analysis of the City's ability to fund the capital improvements listed in Table 1A. The purpose of this assessment is to examine whether revenues will be appropriate to meet the costs of needed improvements and expenditures. It is paramount that the funds be available when such improvements are scheduled. Timing is essential. Revenues and expenditures are also assessed in terms of the elements and items within the Plan. Fiscal items and issues not pertinent to the plan are not addressed.

2. Accounting System

The accounting system utilized by the City enters financial transactions into separate accounts called "funds". Records for each fund provide a complete accounting of fund assets, liabilities, reserves, equities,

revenues and expenditures. The following is a brief description of the funds.

a) General Fund - This fund is the basic operating fund of the City. All ad valorem tax revenues not required to be accounted for in debt service funds are accounted for in the General Fund.

b) Capital Improvements Fund - The City finances all major capital improvements through several separate funds including New Growth, Reconstruction and Maintenance, and Parks and Recreation. In previous years, the City's CIP was funded entirely from these growth funds and funds that accounted for the proceeds of General Obligation and Revenue Bond Issues. Impact fees have provided a relatively small portion of City capital project fund revenue.

3. Projected Revenues

Between 2001 and 2006 the City's tax base has increased by an annual average of 22% percent. This is significantly higher than the average growth of 5.8 percent in the preceding five years. The tax base is projected to decrease by 10% in 2009 and decrease 3% per year for 2010 through 2013 for the adjusted taxable value of property (including new construction) as indicated below. The City's taxable value to just value ratio is projected to remain between 75 to 80 percent according to the Palm Beach County Property Appraisers Office.

Table No. 2 depicts the projected gross taxable property value in the City.

Table No. 2: Projected Gross Taxable Valuation

Yearly Tax Base	Projected Gross Taxable Value
2008	2,152,750,751
2009	1,937,475,676
2010	1,879,351,406
2011	1,822,970,864
2012	1,768,281,738
2013	1,715,233,286

SOURCE: The City of Greenacres Department of Finance (January 2008)

Table No. 3 indicates the required Ad Valorem Tax Yields to fully fund all city requirements including the Capital Improvements Programs included herein, as well as those programs not included herein.

Table No. 3: Ad Valorem Tax Revenues	
Year	**Ad Valorem Tax Yields**
2008	9,616,422*
2009	8,654,780
2010	8,395,137
2011	8,143,283
2012	7,899,090
2013	7,662,118
SOURCE: The City of Greenacres Finance Department (January 2008)	
**State mandated rollback adopted during 2007 legislative session.*	

Table No. **4** indicates all revenues from sources other than ad valorem revenues.

Table No. 4: Other Tax Revenues	
Year	**Non-Ad Valorem Tax Yields**
2008	14,156,044
2009	14,863,846
2010	15,607,039
2011	16,387,390
2012	17,206,759
2013	18,067,096
SOURCE: The City of Greenacres Finance Department (January 2008)	

The revenue increase necessary to meet expenditures during the five year period will be representative of the traditional sources listed earlier. The City does not operate other services that bring in any additional revenue.

4. PROJECTED EXPENDITURES

For the purpose of this fiscal assessment, expenditures are presented based upon total capital expenditures for the five year period, expenditures via other elements of the plan and debt service expenditures. Table No. 5 includes aggregate projected expenditures for capital improvements.

5. DEBT CAPACITY

As indicated earlier in Table 3 and 4, the City's total projected revenue for 2008 is 23,772,466. Based on established rules for sound credit ratings, debt service as a percentage of total revenue should be limited to a maximum ratio of fifteen percent (15%). Greenacres debt level is far

below this at 2.4% in FY 2008. Table No. 2 depicts a projected gross taxable valuation of $2,152,750,751 for 2008. Again, using sound rules for credit ratings, the City will utilize a ratio of five percent (5%) for outstanding capital indebtedness to property tax base. These ratios applied to 2008 projected figures would limit debt service to $3,565,870 and outstanding capital indebtedness to $107,637,538. In 2008, Greenacres debt service is $616,368 and outstanding capital indebtedness is $5,721,169.

Table No. 5: Expenditure Projections - Scheduled Capital Improvements						
	2008	2009	2010	2011	2012	2013
Total Improvements	283,000	0	0	0	0	0
SOURCE: The City Of Greenacres Finance Department (January 2008 and August 2008)						

Table No. 6 depicts the Debt Service Expenditure Projection

Table No. 6: Debt Service Expenditure Projections						
	2008	2009	2010	2011	2012	2013
Debt Service Obligation	616,368	616,368	616,368	616,368	403,260	403,260
SOURCE: The City Of Greenacres Finance Department (January 2008)						

Table No. 7 depicts the required Debt Service and General Operations millage rates to generate the projected revenue shown in Table No. 3.

Table No. 7: Millage Requirements						
	2008	2009	2010	2011	2012	2013
General Operations	4.70221*	4.70221	4.70221	4.70221	4.70221	4.70221
Debt Service	0	0	0	0	0	0
Total Millage	4.70221	4.70221	4.70221	4.70221	4.70221	4.70221
SOURCE: The City of Greenacres Finance Department (January 2008) **State mandated rollback adopted during 2007 legislative session.*						

6. OPERATING COSTS

Although the City does not operate the majority of utility capital facilities and services, there are recurring expenses associated with supplies, utilities, and personnel costs pertaining to maintenance of parks and grounds, and maintenance of roads, medians and right-of-ways, and stormwater systems. Almost all roadway projects involving resurfacing and other improvements are bid and undertaken by the private sector.

Projections are that these operating costs will increase yearly during the five (5) year period by six and one-half percent (6 1/2%) for personnel costs and three percent (3%) per year for other operating costs. These costs were calculated in aggregate expenditures to project the necessary mileage requirements found in Table No. 7.

F. ANALYSIS OF ISSUES RELATIVE TO CAPITAL IMPROVEMENTS

1. Level of Service Standards

Level of service (LOS) standards are an indicator of the extent or degree of service provided by, or proposed to be provided by a facility based on and related to the operational characteristics of the facility. LOS indicates the capacity per unit of demand of each public facility. In essence, LOS is a summary of existing or desired public facility conditions.

The City of Greenacres is required by Chapter 163 of the Florida Statutes and Chapter 9J-5 of the Florida Administrative Code to address levels of service in the plan. The purpose for establishing LOS is to have a yardstick by which the issuance of development orders or permits can be measured and adequate facility capacity can be ensured and provided for future development.

The City either directly or by adoption of other agencies' LOS has established the levels of service standards for: sanitary sewer, potable water, solid waste, traffic, drainage, recreation and open space, and public school facilities as outlined in the various elements of the plan.

2. Capital Improvements Program (CIP)

A capital improvements program (not to be confused with the Capital Improvements Element of this comprehensive plan) is a planned program which includes the current budget year and the five year schedule of capital needs. More specifically, the program sets forth each capital project, equipment or other contemplated expenditures which the City plans to undertake with an estimate of the funds needed to complete said improvements.

The CIP will be consistent with the CIE of the Plan as it will reflect the goals, objectives and policies of the element and its implementation strategies, including the 5-Year Schedule of Improvements. In some ways, the CIP is more inclusive than the CIE as it contains many projects consisting of equipment and software acquisition. The projects are generally recurring (e.g., purchase of public safety vehicles, etc). More importantly, the CIP is not limited to the elements found in this plan as this element is constrained in that regard.

The City of Greenacres utilizes a six-year CIP program with the first year adopted as the Capital Budget each year. The CIP is reviewed on an annual basis.

3. Impact Fees

The City of Greenacres has imposed several impact fees to help lessen the costs of growth which resulted from development.

Prior to 1990 impact fees financed the majority of past capital improvements. Since that time impact fees have declined due to slower development trends. It is anticipated that impact fees will increase slightly throughout the planning period. The City presently imposes the following impact fees:

a) New Growth Fee - This impact fee is charged to commercial developments at a rate of $2.25 per square foot of gross buildable area.

b) Parks and Recreation Dedication - This impact fee is charged in lieu of land dedication when it is determined that constraints on the site or suitability of the location do not allow for land dedication. The amount of land to be dedicated is based upon a formula which takes into account the projected population, the number of housing units and the type of units. When the fee in lieu of land dedication is imposed, such fee is prorated based upon the determined acreage to be dedicated and appraisals conducted to determine the value of the land in question.

c) General Government Service Land Dedication - This impact requirement is also a dedication of land or a contribution of capital for services including but not limited to public safety structures, public work facilities, administrative structures, etc. This requirement is also formula based in a manner similar to the Land Dedication Fee. This is another impact fee in lieu of land dedication when it is determined that constraints on the site or suitability of the location do not provide for land dedication. The land dedication is also formula based in a manner similar to the Park and Recreation land dedication. Impact fees in lieu of land dedication are based upon the determined acreage to be dedicated and appraisals conducted to ascertain the value of such land.

d) Palm Beach County Impact Fees - The County has adopted impact fees for parks, fire-rescue, library, law enforcement, public buildings, schools and roads that are applicable in the unincorporated areas as well as the municipalities in the County.

The City collects applicable impact fees for the County minus administrative fees of two percent (2%). The County utilizes the fees to improve county facilities within zones which encompass the City of Greenacres.

4. User Charges and Fees

User charges are designed to reimburse in part the overall costs of public facilities or services by charging the user who benefits from them. The City has charged user fees and charges in the provision of solid waste collection services, ambulance transport, leisure services and in the rental use of public buildings.

5. Moratoria

A moratorium may temporarily halt or freeze development for a specified period of time on an emergency basis. Such action may be imposed on building permits, development approvals or governmental services. The City has enacted prior moratoria in 1983 and 1986 on development requests in order to update antiquated land development regulations that were no longer adequate due to rapid growth.

III. PLAN FOR CAPITAL IMPROVEMENTS

A. CAPITAL IMPROVEMENT APPROACH

The City of Greenacres has been and will continue to be a progressive municipality in terms of providing capital improvements. The City has accomplished much with an aggressive impact fee program, and other financing methods. During the preceding five year (2003-2007) planning period, the City financed $14,690,693 in capital improvements derived from other elements in the plan. The City cannot realistically rely on impact fees to the extent of prior years. Therefore a conservative and prudent approach is necessary in financing capital improvements.

1. IMPACT FEES

Impact fees during the five (5) year period are "eroding" as a source to finance capital improvements. The growth of the City can now be described as growth at a slower rate. Absent annexation growth, impact fees will only cover a small percentage of the CIP. Additionally, in November 1988, Charter amendments were passed in Palm Beach County dealing with countywide impact fees for recreation and other governmental services. As a consequence of the County's programs, the amount of impact fees available for the City to assess to future development will be limited.

The City must continue to review its impact fees and make necessary adoptions that reflect and ensure the following:

a) The expansion of the facility must be necessary and must be caused by the development;

b) The fees charged must be based on the costs of the new facility and must not exceed the new developments proportional share of the cost of new facilities needed to serve that development; and

c) The fees must be earmarked and expended so as to ensure a benefit to those who pay.

Since impact fees are an important source of revenue for the City (despite the short term reduction projections) such fees must be legally defendable.

2. ALTERNATIVE MEANS OF FINANCING - The City must continue to explore all avenues of alternative financing in the future. The efforts must be continued in the pursuit of federal, state and private funding to finance capital improvements. Other alternatives including user fees, special assessments, districts, Community Redevelopment Districts and other financing possibilities must be researched in an effort to accomplish future capital improvement objectives. Additionally revenue and general obligation bonds should be utilized to finance needed capital improvements.

3. RESTRUCTURING OF OTHER CITY PERMITS AND FEES - The City must undertake a posture whereby permit and fee systems including building permits, license fees and user fees are evaluated and reviewed for positive amendments. User fees need additional review for greater applicability. The reexamination of these revenue sources is important to the City's future financial capability.

4. URBAN SERVICE AREAS/LONGER TERM LIMIT LINE - Annexation policies by Palm Beach County and Greenacres provide the City with the potential of increasing the City's boundaries by over 500 percent (5.78 square miles to 31.63 square miles). Since Greenacres lies west of the coast, urban limit lines or a boundary beyond which urbanization will be restricted is necessary. This growth management technique will allow for better timing of public facilities, encourage proper growth patterns and ensure environmentally sensitive and agricultural areas. Within the City's ultimate annexation boundaries, (see Map No. 4 Annexation Element) the urban service area/longer term limit line is construed to be State Road 7.

5. POINT SYSTEMS - Point systems are a growth management tool in determining the timing and adequacy of a particular site for development. Point systems generally provide an indication of development potential

based upon factors which may include available utilities, provision of parks and open space, fire protection, access to schools and mass transit routes, etc. A point system can generally provide a measure of existing services available and timing of development based upon such facilities.

Explorations of a point system for the City have indicated that such a system cannot be used effectively as the City does not control water, sewer, and major roadway improvements. As such the timing of development becomes based largely on the County's concurrency management system.

6. FISCAL IMPACT ANALYSIS - Fiscal Impact Analysis is an evaluation of the net public costs or revenues resulting from actual or planned growth. Fiscal impact analysis examines current costs and revenues. It tallies the financial effect of a PUD, shopping centers, etc., by considering current costs and revenues such facilities would generate if they were completed and operating today. This approach recognizes that development or redevelopment often requires several years and that inflation will increase costs and revenues over time. It also assumes, however, that the rising costs of providing public services will be matched by an essentially comparable increase in revenues that the relative relationships of costs and revenues will change little over time. The City of Greenacres must continue to undertake Fiscal Impact Analyses in conjunction with all development and redevelopment activities.

7. IMPLEMENTATION SCHEDULE - The 5-Year Schedule of Improvements (See Table No. 1A, Table No. 1B, and Table No. 1C) is a mechanism by which the City can effectively stage the timing, location, projected cost and revenue source for the capital improvements derived from the other comprehensive plan elements in support of the Future Land Use Element. The 5-Year Schedule of Improvements has been used to document the economic feasibility of the City's Comprehensive Plan based upon the preceding sections of the element.

IV. GOALS, OBJECTIVES AND POLICIES

A. Goal:

The City of City shall undertake actions necessary to adequately provide needed public facilities for all residents within the City in a manner which protects investments in existing facilities, maximizes the use of existing facilities and promotes orderly compact urban growth.

Objective 1

Capital improvements will be provided to correct existing deficiencies, to accommodate desired future growth, and to replace worn out or obsolete facilities as indicated in the 5-Year Schedule of Improvements of this Element.

Policy a)

The City shall include all projects identified in Table 1A in this plan element within the Capital Budget 5-Year Schedule of Improvements as part of the annual budgeting process.

Policy b)

The City shall fund all capital improvements projects in the 5-Year Schedule (Table 1A) of Improvements; especially those projects which are necessary in correcting an existing or future deficiency within the five year period.

Policy c)

The City's Planning and Engineering Department shall serve as the coordinating body of the City in ensuring that projects listed in the 5-Year Schedule of Improvements are completed.

Policy d)

Proposed capital improvements shall be evaluated and ranked according to the following criteria:

(1) If the project is needed to protect public health and safety, to fulfill the City's legal commitment to provide facilities and services, or to preserve or achieve full use of existing facilities;
(2) If the project increases efficiency of use of existing facilities, prevents or reduces future improvement cost, provides service to developed areas lacking full service, or promotes in-fill development;
(3) If the project represents a logical extension of facilities and services within the City;
(4) If the project causes an adverse impact to the City's budget; and
(5) If the project is financially feasible and is consistent with the plans of applicable state agencies and the South Florida Water Management District and the Lake Worth Drainage District.

Policy e)

Capital Improvement Projects will be implemented in order to maintain the City’s adopted level of service for those services required pursuant to Rule 9J-5.0055.

Policy f)

The City will coordinate with Palm Beach County to ensure that the County projects necessary to maintain the adopted level of service for public facilities/services provided by the County (Table 1B) are constructed to maintain the adopted level of service to serve developments in the City of Greenacres.

Objective 2

Future development will bear a proportionate cost of facility improvements necessitated by such development in order to maintain adopted LOS standards.

Policy a)

The City shall continue to support and aid in the implementation and enforcement of Palm Beach County's Countywide impact fees.

Policy b)

The City shall continue to participate in and support Palm Beach County's Countywide Traffic Standards Ordinance and Program.

Policy c)

The City shall continue to re-examine its own impact fees to ensure the following:

(1) that development bear its proportionate costs of improvements;
(2) that such fees are applied in the proper manner;
(3) that such impact fees are designed to withstand any legal challenge; and
(4) that such fees are designed whenever possible to account for the effect of inflation and subsequent reduced buying power and increased costs over time.

Policy d)

The City shall continue to ensure that all mandatory dedications or fees in lieu of shall be a condition of final plat approval for the provision of recreation and open space and general government services.

Objective 3

The City will administer its fiscal resources to ensure the provision of needed capital improvements for previously issued development orders and for future development and redevelopment.

Policy a)

Prior to the issuance of a certificate of occupancy, the City shall coordinate with other applicable agencies or government units to ensure the provision of all public facilities needed to serve development for which development orders were previously issued.

Policy b)

The City shall continue to adopt a 6-year capital improvement program and annual capital budget as a part of its budgeting process.

Policy c)

The City shall continue to make aggressive efforts to secure grants or private funds whenever available to finance the provision of capital improvements.

Policy d)

The City shall continue to utilize a fiscal impact analysis review system for all development and redevelopment activities.

Objective 4

Decisions regarding land use, the issuance of development orders, and permits will be coordinated in concert with the City's projected fiscal capability and Capital improvements identified in Table No. 1A, Table No. 1B, and Table No. 1C of this element to ensure:

1) that adopted levels of service are maintained; and
2) that existing and future facilities needs are met.

Policy a)

The City shall use the established LOS standards in this Plan in reviewing the impacts of new development and redevelopment upon public facility provision.

Policy b)

The City shall require developments to provide public facilities that are lacking in order to issue development orders and permits.

Policy c)

The City shall limit its maximum ratio of total debt service to total revenue of fifteen percent (15%) and its maximum ratio of outstanding capital indebtedness to property tax base of five percent (5%).

Policy d)

Consistent with the current Comprehensive Plan and Code of Ordinances, the City shall continue to require that the necessary public facilities are available to developments prior to the issuance of a development permit.

Policy e)

Development orders shall not be issued unless there is sufficient capacity to permit the development; or capital projects (necessary to maintain the adopted level of service) will be constructed concurrently with the development.

Objective 5

The City shall coordinate with the Palm Beach County School District concerning all land development decisions which include residential development in order to maintain level of service standards for public schools consistent with the Interlocal Agreement on School Concurrency and the Public School Facilities Element.

Policy a)

The School District of Palm Beach County shall maintain minimum level of service standards for public school facilities, as defined in the Public School Facilities Element. In the case of public school facilities, the issuance of development orders shall be based upon the School District of Palm Beach County's ability to maintain the minimum level of service standards.

Policy b)

The level of service standards for all public schools within the City of Greenacres shall be set by Goal 1, Objective 1, Policy a of the Public Schools Facilities Element.

Policy c)

Applications for development orders which include any residential component shall provide a determination of capacity by the School District of Palm Beach County that the proposed development will meet the public school facilities level of service. A determination by the School District is not required for existing single family legal lots of record, in accordance with the Public School Facilities Goal 1, Objective 1, Policy h**.**

Policy d)

In determining that the necessary facilities and services shall be in place when the impacts of the development occur, the procedures maintained in Objective 2 of the Public School Facilities Element shall continue to consider the facilities and

services to be in place when:

1. The construction of the public school facilities or provision of services is the subject of a binding and guaranteed contract with the School District of Palm Beach County that is executed and guaranteed for the time the Development Order is issued;
2. The phasing and construction of the improvements are made binding conditions of approval of the development order;
3. The necessary facilities or services are under construction and bonded at the time that the development order is issued; or
4. Construction appropriations are specified within the first three years of the most recently approved School District of Palm Beach County Six Year Capital Improvement Schedule, as reflected in Table 8 of this element, which shall reflect the addition of FISH capacity for each school as shown in Appendix A, Concurrency Service Area Tables of the Public School Facility Element Data and Analysis.

Policy e)

In accordance with Objective 5, Policy c of the Capital Improvements Element, and upholding the exceptions detailed therein, prior to issuance of a development order by the City of Greenacres, the Palm Beach County School District shall determine that the level of service for public school facilities can be achieved and maintained. The necessary public school facilities shall be considered to be in place when sufficient capacity exists in the concurrency service area (CSA) in which the proposed development is located, or an immediately adjacent CSA.

Table No. 8
Palm Beach County School District's 5-Year Capital Improvements Program – 8 Pages

Summary of Estimated Capital Revenues - Balanced Plan
Fiscal Years 2013 - 2017

Estimated Revenue	FY 2012	Plan Years	Balance from FY 2012 for Ongoing Projects	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
State Sources								
Charter School Capital Outlay	3,458,547	17,292,735		3,458,547	3,458,547	3,458,547	3,458,547	3,458,547
CO & DS	1,227,281	5,595,240		1,119,048	1,119,048	1,119,048	1,119,048	1,119,048
COBI Bonds	-	-						
PECO Bonds - Const.	-	2,303,648				1,720,678	582,970	-
PECO Bonds - Maintenance	-	12,385,498				3,572,824	4,188,123	4,624,551
Subtotal State Sources	**4,685,828**	**37,577,121**	**-**	**4,577,595**	**4,577,595**	**9,871,097**	**9,348,688**	**9,202,146**
Local Sources								
Local Capital Improvement (1.5 mil)	190,452,278	1,012,256,570		191,572,002	192,582,616	199,825,767	208,915,212	219,360,973
Discretionary Capital Improvement (FY13: .046 mil, FY14: .036 mil)	7,618,091	10,496,857		5,874,875	4,621,982			
Fund Balance Carried Forward	383,259,341	305,777,858	219,250,335	86,527,523				
Reserves		54,837,202			30,635,732	16,221,163	7,980,307	
Restricted Reserve and Project Closeouts		15,219,422				4,574,898	6,264,718	4,379,806
Impact Fees	1,500,000	9,000,000		5,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Interest Income	900,000	3,450,000		200,000	500,000	750,000	1,000,000	1,000,000
Miscellaneous Revenue	16,200	89,500		89,500				
Subtotal Local Sources	**583,745,910**	**1,411,127,409**	**219,250,335**	**289,263,900**	**229,340,330**	**222,371,828**	**225,160,237**	**225,740,779**
Other Revenue Sources								
Interfund Transfer		-						
QSCB		-						
Referendum		-						
Subtotal Other Revenue Sources	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
TOTAL REVENUES	**588,431,738**	**1,448,704,530**	**219,250,335**	**293,841,495**	**233,917,925**	**232,242,925**	**234,508,925**	**234,942,925**

Summary of Estimated Capital Revenues - Balanced Plan
Fiscal Years 2013 - 2017

Project Name	Plan Years	Unspent Balances from FY 2012 in Previously Approved Projects	New Appropriation for FY 2013	New Appropriation for FY 2014	New Appropriation for FY 2015	New Appropriation for FY 2016	New Appropriation for FY 2017
Construction Projects							
Addition and Remodeling Projects	11,983,064	11,402,255	580,809	-	-	-	-
Modernization and Replacement Projects	130,711,382	124,711,382	6,000,000	-	-	-	-
New Schools	2,827,552	2,827,552	-	-	-	-	-
Subtotal Construction Projects	**145,521,998**	**138,941,189**	**6,580,809**	**-**	**-**	**-**	**-**
Other Items							
Debt Service	740,000,000	-	148,000,000	148,000,000	148,000,000	148,000,000	148,000,000
Site Acquisition	1,421,116	941,116	-	120,000	120,000	120,000	120,000
Capital Contingency	21,030,688	21,030,688	-	-	-	-	-
Restricted Reserve	12,073,528	12,073,528	-	-	-	-	-
Reserves for Future Years	55,051,281	31,298,828	23,752,453	-	-	-	-
Subtotal Other Items	**829,576,613**	**65,344,161**	**171,752,453**	**148,120,000**	**148,120,000**	**148,120,000**	**148,120,000**
Non-Construction							
Equipment	4,793,423	1,328,423	965,000	650,000	550,000	650,000	650,000
Facilities	23,214,685	9,276,361	13,938,324	-	-	-	-
Security	5,320,693	42,693	1,572,000	910,000	910,000	976,000	910,000
Education Technology	1,768,651	144,885	303,766	280,000	280,000	380,000	380,000
Technology	62,933,121	3,674,621	15,233,500	10,475,000	9,750,000	11,650,000	12,150,000
Transportation	8,298,002	498,002	650,000	2,350,000	1,600,000	1,600,000	1,600,000
Subtotal Non-Construction Projects	**106,328,576**	**14,964,986**	**32,662,590**	**14,665,000**	**13,090,000**	**15,256,000**	**15,690,000**
Transfers to General Fund							
Required Non-Construction Payments	58,492,735	-	11,698,547	11,698,547	11,698,547	11,698,547	11,698,547
Equipment Maintenance	21,625,000	-	4,325,000	4,325,000	4,325,000	4,325,000	4,325,000
Facilities Maintenance	158,280,200	-	38,680,200	29,900,000	29,900,000	29,900,000	29,900,000
Security Maintenance	8,307,160	-	2,007,160	1,600,000	1,500,000	1,600,000	1,600,000
Education Technology Maintenance	4,768,120	-	953,624	953,624	953,624	953,624	953,624
Technology Maintenance	94,910,600	-	21,002,280	18,477,080	18,477,080	18,477,080	18,477,080
TEN Maintenance	480,158	-	96,158	96,000	96,000	96,000	96,000
Transportation Maintenance	20,413,370	-	4,082,674	4,082,674	4,082,674	4,082,674	4,082,674
Subtotal Transfers to General Fund	**367,277,343**	**-**	**82,845,643**	**71,132,925**	**71,032,925**	**71,132,925**	**71,132,925**
Total Capital Budget	**1,448,704,530**	**219,250,335**	**293,841,495**	**233,917,925**	**232,242,925**	**234,508,925**	**234,942,925**

Summary of Estimated Capital Revenues - Balanced Plan
Project List
Fiscal Years 2013 - 2017

Construction Projects

Project Name	Total Project Budget	Prior Year Expenditures	Plan Years	Unspent Balances from FY 2012 in Previously Approved Projects	New Appropriation for FY 2013	New Appropriation for FY 2014	New Appropriation for FY 2015	New Appropriation for FY 2016	New Appropriation for FY 2017
Addition and Remodeling Projects									
Adult Ed Conversion at Old Plumosa	-	-	-	-					
Banyan Creek Elem Core Addition	5,454,965	3,330,038	2,124,927	2,124,927					
Belle Glade Elem Add + Pre-K	7,560,488	7,236,180	324,308	324,308					
Benoist Farms Elem Pre-K	4,001,227	3,874,445	126,782	126,782					
Boca Raton HS Swimming Pool	3,391,546	3,272,895	118,651	118,651					
Carver Middle Core Addition	300,000	194,380	105,620	105,620					
Cholee Lake Elem Pre-K	2,101,529	1,963,776	137,753	137,753					
Crestwood Middle Addition	14,598,391	14,414,072	184,320	184,320					
DD Eisenhower ES Demo for Playfields	-	-	-	-					
Energy Conservation-Green-LEED	250,000	141,242	108,758	108,758					
FHESC Window Replacement	7,768,357	7,464,545	303,812	303,812					
Gove ES (old) Demo	-	-	-	-					
Heritage Elem LEED EB	53,775	33,530	20,246	20,246					
Indian Pines Elem Pre-K	2,224,990	2,117,728	107,263	107,263					
JF Kennedy Middle Athletic Fields	1,960,000	1,866,768	93,232	93,232					
Jupiter Middle School Renovation	1,920,000	1,795,505	124,495	124,495					
Lake Worth Middle Core Addition	1,031,733	991,115	40,618	40,618					
Maintenance - West Central Remodel	-	-	-	-					
Manatee Elem Addition	14,484,357	13,327,546	1,156,811	1,156,811					
Pahokee Elementary Remodeling	1,302,683	1,022,941	279,742	279,742					
Pahokee High Remodeling	5,367,988	3,865,869	1,502,119	1,502,119					
Pahokee High Stadium	13,223,362	12,496,981	726,381	726,381					
Palm Beach Lakes High Academy/Add	14,109,829	13,648,475	461,354	461,354					
Riviera Beach Preparatory Academy	500,000	1,975	498,025	498,025					
Seminole Trails Elem Addition	13,964,012	12,866,220	1,097,792	1,097,792					
Spanish River High Biotech Academy	4,498,395	4,457,736	40,659	40,659					
Transportation - South Addition	966,898	74,114	892,784	392,784	500,000				
Transportation - West Central Remodel	170,890	143,710	27,181	27,181					
Wellington Elem Classroom Addition	21,664,723	21,649,669	15,054	15,054					
West Tech Ed Center Modifications	1,914,043	1,069,290	844,753	844,753					
Whispering Pines Elem Addition	4,518,105	4,418,415	99,690	99,690					
Whispering Pines Elem Addition Phase II	9,133,345	8,713,409	419,936	339,127	80,809				
Total Addition and Remodeling	**158,435,632**	**146,452,568**	**11,983,064**	**11,402,255**	**580,809**	-	-	-	-

Summary of Estimated Capital Revenues - Balanced Plan
Project List
Fiscal Years 2013 - 2017

Construction Projects (continued)

Project Name	Total Project Budget	Prior Year Expenditures	Plan Years	Unspent Balances from FY 2012 in Previously Approved Projects	New Appropriation for FY 2013	New Appropriation for FY 2014	New Appropriation for FY 2015	New Appropriation for FY 2016	New Appropriation for FY 2017
Modernization and Replacement Projects									
Galaxy Elem Modernization	29,650,055	4,820,748	24,829,307	24,629,307	200,000				
Gladeview Elem Modernization	22,011,248	202,030	21,809,218	18,509,218	3,300,000				
Gove Elem Modernization	38,416,148	6,106,623	32,309,525	32,309,525					
North Palm Beach Elem Modernization	29,000,000	324,201	28,675,799	28,675,799					
Northboro Elem Modernization	33,409,133	31,467,446	1,941,687	1,941,687					
Palm Beach Gardens High Modernization	105,381,964	104,352,313	1,029,651	1,029,651					
Palm Springs Mid Modernization	34,869,138	34,784,912	84,226	84,226					
Plumosa Elem Modernization	30,794,290	30,369,206	425,084	425,084					
Rosenwald Elem Modernization	17,680,622	267,226	17,413,396	14,913,396	2,500,000				
Royal Palm School Modernization	40,768,677	40,291,402	477,275	477,275					
South Area School of Choice	-		-						
Suncoast High Modernization	88,541,495	86,825,282	1,716,213	1,716,213					
Wynnebrook ES Modernization	-		-						
Total Modernizations and Replacements	**470,522,770**	**339,811,387**	**130,711,382**	**124,711,382**	**6,000,000**	**-**	**-**	**-**	**-**
New Schools									
Everglades Elem (03-W)	25,778,116	24,166,637	1,611,479	1,611,479					
Hope Centennial Elem (06-D)	30,199,404	30,161,429	37,976	37,976					
South Area Middle School of Arts (03-LL)	-	-	-						
Pahokee Area Middle (03-MM)	37,296,466	36,118,369	1,178,097	1,178,097					
Transportation - West Central Replacement	-		-						
South Area Elem (05-C)	-		-						
Total New Schools	**93,273,986**	**90,446,435**	**2,827,552**	**2,827,552**	**-**	**-**	**-**	**-**	**-**
Total Construction Projects	**722,232,388**	**576,710,390**	**145,521,998**	**138,941,189**	**6,580,809**	**-**	**-**	**-**	**-**

Summary of Estimated Capital Revenues - Balanced Plan
Project List
Fiscal Years 2013 - 2017

Other Items

Project Name	New Appropriation for FY 2012	Plan Years	Unspent Balances from FY 2012 in Previously Approved Projects	New Appropriation for FY 2013	New Appropriation for FY 2014	New Appropriation for FY 2015	New Appropriation for FY 2016	New Appropriation for FY 2017
Debt Service								
Lease Payments for Certificates of Participation	148,500,000	740,000,000	-	148,000,000	148,000,000	148,000,000	148,000,000	148,000,000
Other Debt Items	-	-	-	-	-	-	-	-
Total Required Debt Service	**148,500,000**	**740,000,000**	**-**	**148,000,000**	**148,000,000**	**148,000,000**	**148,000,000**	**148,000,000**
Site Acquisition								
Site Acquisition for South Area Elem (05-C)		-						
Lease of land for temporary West Central Transportation Facility		480,000			120,000	120,000	120,000	120,000
Site Acquisition		941,116	941,116					
Site Acquisition for Melaleuca ES Modernization		-						
Total Site Acquisition	**-**	**1,421,116**	**941,116**	**-**	**120,000**	**120,000**	**120,000**	**120,000**
Contingency								
Capital Contingency		21,030,688	21,030,688.46	-				
Restricted Reserve		12,073,528	12,073,528					
Reserve for FY 14		30,799,811	18,151,028	12,648,783				
Reserve for FY 15		16,271,163	9,571,163	6,700,000				
Reserve for FY 16		7,980,307	3,576,637	4,403,670				
Reserve for FY 17		-						
Total Contingency	**-**	**88,155,497**	**64,403,044**	**23,752,453**	**-**	**-**	**-**	**-**
Total Other Items	**148,500,000**	**829,576,613**	**65,344,161**	**171,752,453**	**148,120,000**	**148,120,000**	**148,120,000**	**148,120,000**

Summary of Estimated Capital Revenues - Balanced Plan
Project List
Fiscal Years 2013 - 2017

Non-Construction Projects and Transfers

Project Name	New Appropriation for FY 2012	Plan Years	Unspent Balances from FY 2012 in Previously Approved Projects	New Appropriation for FY 2013	New Appropriation for FY 2014	New Appropriation for FY 2015	New Appropriation for FY 2016	New Appropriation for FY 2017
Required Non-Construction Payments								
Charter School Capital Outlay	3,458,547	17,292,735		3,458,547	3,458,547	3,458,547	3,458,547	3,458,547
Property and Flood Insurance	8,371,000	41,200,000		8,240,000	8,240,000	8,240,000	8,240,000	8,240,000
Total Required Non-Construction Payments	**11,829,547**	**58,492,735**	**-**	**11,698,547**	**11,698,547**	**11,698,547**	**11,698,547**	**11,698,547**
Equipment								
Capital Projects:								
10-Book Fund Library Core Collections	140,000	-	-	-				
AV Equipment Replacement Fund	300,000	640,248	40,248	200,000	100,000	100,000	100,000	100,000
Choice Furnishings	-	275,315	315	75,000	50,000	50,000	50,000	50,000
Classroom Furnishings	-	227,322	227,322					
County-Wide Equipment	500,000	3,082,563	1,032,563	550,000	400,000	300,000	400,000	400,000
Musical Instruments	140,000	567,976	27,976	140,000	100,000	100,000	100,000	100,000
Subtotal Equipment Capital Projects	**1,080,000**	**4,793,423**	**1,328,423**	**965,000**	**650,000**	**550,000**	**650,000**	**650,000**
Transfers to General Fund:								
Transfer for Equipment Maintenance	95,973	625,000		125,000	125,000	125,000	125,000	125,000
Transfer for Copier Maintenance	3,500,000	21,000,000		4,200,000	4,200,000	4,200,000	4,200,000	4,200,000
Subtotal Equipment Transfers	**3,595,973**	**21,625,000**	**-**	**4,325,000**	**4,325,000**	**4,325,000**	**4,325,000**	**4,325,000**
Total Equipment	**4,675,973**	**26,418,423**	**1,328,423**	**5,290,000**	**4,975,000**	**4,875,000**	**4,975,000**	**4,975,000**
Facilities								
Capital Projects:								
Building Envelope - Verde ES Roof		112,966	112,966					
Building Envelope - WT Dwyer High		550,000		550,000				
Classroom Technology - LCD	-	427,854	127,854	300,000				
Classroom Technology - LCD Adult Ed Cntr		172,841	172,841					
County-Wide Custodial Equipment	250,000	171,493	1,493	170,000				
Covered Walkways - AW Dreyfoos HS		255,970	255,970					
Covered Walkways - Calusa ES		300,000		300,000				
Covered Walkways - Del Prado ES		175,230	175,230					
Covered Walkways - Odyssey MS		139,810	139,810					
Covered Walkways - Other Projects		690,335	690,335					
Covered Walkways - Palm Beach Lakes HS		225,610	225,610					
Covered Walkways - South Tech HS		350,862	350,862					
Covered Walkways - Verde Elem		319,205		319,205				
Environmental Service Contracts		1,225,318	375,783	849,535				
HVAC Renovations	4,000,000	1,370,829	1,370,829					
HVAC Renovations - Jupiter Farms ES		200,000		200,000				
HVAC Renovations - Olympic Heights HS		950,000		950,000				
HVAC Renovations - Other Projects		18,807	18,807					
HVAC Renovations - William T Dwyer HS		1,800,000		1,800,000				
Interlocals/School Center Funds	-	344,342	344,342					

Summary of Estimated Capital Revenues - Balanced Plan
Project List
Fiscal Years 2013 - 2017

Non-Construction Projects and Transfers (continued)

Project Name	New Appropriation for FY 2012	Plan Years	Unspent Balances from FY 2012 in Previously Approved Projects	New Appropriation for FY 2013	New Appropriation for FY 2014	New Appropriation for FY 2015	New Appropriation for FY 2016	New Appropriation for FY 2017
Facilities (continued)								
Minor Projects	-	119,192	119,192					
Minor Projects - Assigned		333,347	283,347	50,000				
Portables	2,554,600	2,216,755	2,216,755.46					
Portables - Boynton Beach HS Restrooms		500,000		500,000				
Portables - Calusa ES CSR		500,000		500,000				
Portables - North Grade ES		131,095	131,095					
Portables - Other Projects		468,659	468,659					
Portables - Sabal Palm		500,000		500,000				
Portables - Sabal Palm Demo		238,825	238,825					
Portables - Verde ES		114,305		114,305				
Portables - Verde ES CSR		375,000		375,000				
Portables - West Central Transportation		140,000		140,000				
Relocatables - Leasing		20,279		20,279				
Roof Replacement	-	122,351	122,351					
Roof Replacement - Belle Glade ES		1,600,000		1,600,000				
Roof Replacement - Cypress Trails ES		811,655	11,655	800,000				
Roof Replacement - Pahokee HS Bldg 2		350,000		350,000				
Roof Replacement - Pioneer Park ES		1,600,000		1,600,000				
Safety		100,397	397	100,000				
Safety - FHESC Halon Fire System		120,452	120,452					
Safety - Fire Alarm Repl-Crestwood MS		850,000		850,000				
Safety - Fire Alarm Repl-Grove Park ES		500,000		500,000				
Safety - Fire Alarm Repl-Santaluces HS		521,965	521,965					
Safety - Fire Alarm Repl-Spanish River HS		180,934	180,934					
Safety - Lighting Replacement - Jupiter MS		500,000		500,000				
Traffic Project - Boca Raton Middle		183,000	183,000					
Traffic Project - Everglades Elem		315,000	315,000					
Subtotal Facilities Capital Projects	**6,804,600**	**23,214,685**	**9,276,361**	**13,938,324**	**-**	**-**	**-**	**-**
Transfers to General Fund:								
Transfer for ADA Compliance	1,800,000	4,500,000		900,000	900,000	900,000	900,000	900,000
Transfer for Athletic Playfields	150,000	-		-				
Transfer for BEMP	300,000	2,000,000		-	500,000	500,000	500,000	500,000
Transfer for CSIR Work Orders	2,000,000	-		-				
Transfer for Environmental Control	1,010,857	4,092,337		892,337	800,000	800,000	800,000	800,000
Transfer for Maintenance of Facilities	25,929,850	122,464,990		30,464,990	23,000,000	23,000,000	23,000,000	23,000,000
Transfer for Fencing	75,000	-		-				
Transfer for Fire/Life/Safety	1,056,962	3,857,000		1,057,000	700,000	700,000	700,000	700,000
Transfer for HVAC Maintenance	500,000	-		-				
Transfer for Maintenance Projects	3,997,500	13,130,873		3,130,873	2,500,000	2,500,000	2,500,000	2,500,000
Transfer for Preventative Maintenance	2,575,000	8,235,000		2,235,000	1,500,000	1,500,000	1,500,000	1,500,000
Transfer for Playground Maintenance	300,000	-		-				
Subtotal Facilities Transfers	**39,695,169**	**158,280,200**	**-**	**38,680,200**	**29,900,000**	**29,900,000**	**29,900,000**	**29,900,000**
Total Facilities	**46,499,769**	**181,494,885**	**9,276,361**	**52,618,524**	**29,900,000**	**29,900,000**	**29,900,000**	**29,900,000**

Summary of Estimated Capital Revenues - Balanced Plan
Project List
Fiscal Years 2013 - 2017

Non-Construction Projects and Transfers (continued)

Project Name	New Appropriation for FY 2012	Plan Years	Unspent Balances from FY 2012 in Previously Approved Projects	New Appropriation for FY 2013	New Appropriation for FY 2014	New Appropriation for FY 2015	New Appropriation for FY 2016	New Appropriation for FY 2017
Security								
Capital Projects:								
Intrusion Alarm Upgrades	-	329,000	9,000		80,000	80,000	80,000	80,000
BDAs	-	711	711					
Card Access Key Boxes	-	465,000	-	145,000	80,000	80,000	80,000	80,000
Card Access at High Schools		120,000			30,000	30,000	30,000	30,000
Card Access at Middle Schools		160,000			40,000	40,000	40,000	40,000
Card Access at Elementary Schools		200,000			50,000	50,000	50,000	50,000
Radios Inside Buildings		393,350	23,350	50,000	80,000	80,000	80,000	80,000
Portable Radios		531,000		331,000	50,000	50,000	50,000	50,000
Radios - South ITV		450,000		450,000				
Storage Enhancement at 20 Sites		320,000			80,000	80,000	80,000	80,000
Video Server at School Police		66,000					66,000	
School Bus Video Network System		630,000		150,000	120,000	120,000	120,000	120,000
Video Conversion from Analog to IP		500,000		100,000	100,000	100,000	100,000	100,000
Video Surveillance Schools		355,632	9,632	346,000				
Video Surveillance High Schools		160,000			40,000	40,000	40,000	40,000
Video Surveillance at Middle Schools		240,000			60,000	60,000	60,000	60,000
Video Surveillance at Elementary Schools	-	400,000			100,000	100,000	100,000	100,000
Subtotal Security Capital Projects	**-**	**5,320,693**	**42,693**	**1,572,000**	**910,000**	**910,000**	**976,000**	**910,000**
Transfers to General Fund:								
Transfer for Security	2,037,911	8,307,160		2,007,160	1,600,000	1,500,000	1,600,000	1,600,000
Subtotal Security Transfers	**2,037,911**	**8,307,160**	**-**	**2,007,160**	**1,600,000**	**1,500,000**	**1,600,000**	**1,600,000**
Total Security	**2,037,911**	**13,627,853**	**42,693**	**3,579,160**	**2,510,000**	**2,410,000**	**2,576,000**	**2,510,000**
Educational Technology								
Capital Projects:								
Digital Divide	85,000	358,739	38,739		80,000	80,000	80,000	80,000
Technology Tools	283,766	1,409,912	106,146	303,766	200,000	200,000	300,000	300,000
Subtotal Education Technology Projects	**368,766**	**1,768,651**	**144,885**	**303,766**	**280,000**	**280,000**	**380,000**	**380,000**
Transfers to General Fund:								
Transfer for Edline	450,000	2,250,000		450,000	450,000	450,000	450,000	450,000
Transfer for Equipment Maintenance	503,624	2,518,120		503,624	503,624	503,624	503,624	503,624
Subtotal Educational Technology Transfers	**953,624**	**4,768,120**	**-**	**953,624**	**953,624**	**953,624**	**953,624**	**953,624**
Total Educational Technology	**1,322,390**	**6,536,771**	**144,885**	**1,257,390**	**1,233,624**	**1,233,624**	**1,333,624**	**1,333,624**

Summary of Estimated Capital Revenues - Balanced Plan
Project List
Fiscal Years 2013 - 2017

Non-Construction Projects and Transfers (continued)

Project Name	New Appropriation for FY 2012	Plan Years	Unspent Balances from FY 2012 in Previously Approved Projects	New Appropriation for FY 2013	New Appropriation for FY 2014	New Appropriation for FY 2015	New Appropriation for FY 2016	New Appropriation for FY 2017
Technology								
Capital Projects:								
Application Monitoring	295,000	502,587	12,587	200,000	80,000	70,000	70,000	70,000
BYOD		5,250,000			350,000	900,000	2,000,000	2,000,000
CAFM	812,028	-						
Computer Admin Refresh	406,334	2,045,121	450,621	494,500	200,000	300,000	300,000	300,000
Computer Refresh 4.8 to1	4,816,513	21,108,287	2,608,287	-	5,000,000	4,500,000	4,500,000	4,500,000
Disaster Recovery	134,010	567,980	147,980	100,000	80,000	80,000	80,000	80,000
Disk Storage	300,072	937,467	177,467	400,000	120,000	80,000	80,000	80,000
District Server Refresh	312,126	417,673	57,673	100,000	80,000	60,000	60,000	60,000
Green Data Center Optimization	-	501,597	11,597	230,000	80,000	60,000	60,000	60,000
Hardware/Software	101,793	195,106	45,106	50,000	40,000	20,000	20,000	20,000
Intrusion Prevention	1,245,438	1,500,000		500,000	250,000	250,000	250,000	250,000
IT Service Mgmt Upgrade	300,000	276,466	96,466	45,000	45,000	30,000	30,000	30,000
Mobile Device Management		250,000			250,000			
Pseries Consolidation		527,000		527,000				
Replace Obsolete Data Backup		800,000	-				400,000	400,000
SAN	-	2,000,000			800,000	300,000	400,000	500,000
School LAN Switch	1,950,000	8,274,599	24,599	6,650,000	400,000	400,000	400,000	400,000
Security		820,990	33,990	787,000				
Student Information Systems		300,000						300,000
System Lifecycle Management Endpoint Security	612,000	2,500,000			500,000	500,000	700,000	800,000
TEN Broadcast on IP Infrastructure		3,000,000			700,000	700,000	800,000	800,000
Windows License FTE Model	495,000	5,008,182	8,182	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Wireless Infrastructure	347,150	6,150,067	67	4,150,000	500,000	500,000	500,000	500,000
Subtotal Technology Projects	**12,127,464**	**62,933,121**	**3,674,621**	**15,233,500**	**10,475,000**	**9,750,000**	**11,650,000**	**12,150,000**
Transfers to General Fund:								
Transfer for Application Systems	413,527	1,882,640		376,528	376,528	376,528	376,528	376,528
Transfer for Business Operating Systems	1,750,165	9,128,830		1,928,830	1,800,000	1,800,000	1,800,000	1,800,000
Transfer for CAFM Implementation	379,160	5,083,745		1,083,745	1,000,000	1,000,000	1,000,000	1,000,000
Transfer for Data Warehouse	3,594,140	13,936,055		3,136,055	2,700,000	2,700,000	2,700,000	2,700,000
Transfer for Equipment Maintenance	188,320	-		-	-	-	-	-
Transfer for ERP	4,271,542	15,358,575		3,358,575	3,000,000	3,000,000	3,000,000	3,000,000
Transfer for FTE Reporting	-	-		-	-	-	-	-
Transfer for IT Security	825,499	7,120,397		1,520,397	1,400,000	1,400,000	1,400,000	1,400,000
Transfer for Portal Project	39,500	97,500		19,500	19,500	19,500	19,500	19,500
Transfer for Project Management Initiative	58,907	-		-	-	-	-	-
Transfer for School Center Admin Technology	776,628	1,411,480		282,296	282,296	282,296	282,296	282,296
Transfer for Secondary Tech Maintenance	2,698,807	14,493,780		2,898,756	2,898,756	2,898,756	2,898,756	2,898,756
Transfer for Technology Infrastructure Maintenance	5,723,650	26,397,598		6,397,598	5,000,000	5,000,000	5,000,000	5,000,000
Transfer for Technology		-		-				
Subtotal Technology Transfers	**20,719,845**	**94,910,600**	**-**	**21,002,280**	**18,477,080**	**18,477,080**	**18,477,080**	**18,477,080**
Total Technology	**32,847,309**	**157,843,721**	**3,674,621**	**36,235,780**	**28,952,080**	**28,227,080**	**30,127,080**	**30,627,080**

Summary of Estimated Capital Revenues - Balanced Plan
Project List
Fiscal Years 2013 - 2017

Non-Construction Projects and Transfers (continued)

Project Name	New Appropriation for FY 2012	Plan Years	Unspent Balances from FY 2012 in Previously Approved Projects	New Appropriation for FY 2013	New Appropriation for FY 2014	New Appropriation for FY 2015	New Appropriation for FY 2016	New Appropriation for FY 2017
The Education Network (TEN)								
Transfers to General Fund:								
Transfer for TEN Maintenance	96,158	480,158		96,158	96,000	96,000	96,000	96,000
Total TEN	**96,158**	**480,158**	**-**	**96,158**	**96,000**	**96,000**	**96,000**	**96,000**
Transportation								
Capital Projects:								
Fuel Station Pump Replacement		150,000		150,000				
Bus Routing System		400,000			400,000			
GPS Hardware - Transportation		850,000		500,000	350,000			
Replacement of Bus Washers (Cancelled)		-						
School Busses		6,400,000	-		1,600,000	1,600,000	1,600,000	1,600,000
Vehicles - District-Wide		498,002	498,002					
Subtotal Transportation Projects	**-**	**8,298,002**	**498,002**	**650,000**	**2,350,000**	**1,600,000**	**1,600,000**	**1,600,000**
Transfers to General Fund:								
Transfer for Transportation Maintenance	517,196	17,413,370		3,482,674	3,482,674	3,482,674	3,482,674	3,482,674
Transfer for Contracted Transportation	1,500,000	3,000,000		600,000	600,000	600,000	600,000	600,000
Subtotal Transportation Transfers	**2,017,196**	**20,413,370**	**-**	**4,082,674**	**4,082,674**	**4,082,674**	**4,082,674**	**4,082,674**
Total Transportation	**2,017,196**	**28,711,372**	**498,002**	**4,732,674**	**6,432,674**	**5,682,674**	**5,682,674**	**5,682,674**
Sub-total Non-Construction Projects	20,380,830	106,328,576	14,964,986	32,662,590	14,665,000	13,090,000	15,256,000	15,690,000
Sub-total Non-Construction Transfers	80,945,423	367,277,343	-	82,845,643	71,132,925	71,032,925	71,132,925	71,132,925
Total Non-Construction Projects and Transfers	**101,326,253**	**473,605,919**	**14,964,986**	**115,508,233**	**85,797,925**	**84,122,925**	**86,388,925**	**86,822,925**
Total Capital Budget		**1,448,704,530**	**219,250,335**	**293,841,495**	**233,917,925**	**232,242,925**	**234,508,925**	**234,942,925**
Total Revenues	-	1,448,704,530	219,250,335	293,841,495	233,917,925	232,242,925	234,508,925	234,942,925
Total Capital Budget	-	**1,448,704,530**	**219,250,335**	**293,841,495**	**233,917,925**	**232,242,925**	**234,508,925**	**234,942,925**
Balance/(Shortfall)	-	-	-	-	-	-	-	-

Additional projects that could not be included in this document due to insufficient funding can be viewed in the Unbalanced version of this document.
Such projects that would increase the capacity for students are also included in the Tentative District Educational Facilities Plan

V. SUPPORTING STUDIES:

A. Monitoring and Evaluation

The role of monitoring and evaluation is vital to the effectiveness of any planning program and particularly for the Capital Improvements Element.

Therefore, the Capital Improvements Element requires a continuous program for monitoring and evaluation, and pursuant to Chapter 163, F.S., this element will be reviewed on an annual basis to ensure that required fiscal resources are available to provide public facilities needed to support adopted LOS standards.

The Planning and Engineering Department will have the responsibility of reviewing the Capital Improvements Element and providing an annual report on behalf of the Local Planning Agency (LPA). The Planning and Zoning Commission is designated the LPA for the City of Greenacres.

VI. NOTES:

1. James E. Frank and Robert M. Rhodes, "INTRODUCTION' Development Exactions, (Washington, D.C.: American Planning Association, 1987);

2. Michael J. Meshenberg, The Language of Zoning Report No. 322 Planning Advisory Service, (Chicago: American Society of Planning Officials, 1976),

3. Robert W. Burchell and David Listokin, The Fiscal Impact Guidebook: Estimating The Local Costs And Revenues Of Land Development. New Brunswick: Center for Urban Policy Research, 1978),

4. State of Florida, A Review of the Use and Administration of Impact Fees in Florida, Senate Economic, Community and Consumers Affairs Committee, January, 1987.

5. State of Florida, Department of Community Affairs, "Chapter 9J-5, FAC," Sec. 9J-5.016 Capital Improvements Element

6. State of Florida, Department of Community Affairs, Model Element Capital Improvements Element, May 1987

REVISION HISTORY

March 16, 1998	Ord. 97-09
November 5, 2001	Ord. 2001-03
May 6, 2002	Ord. 2001-20
January 6, 2003	Ord. 2002-25
November 17, 2003	Ord. 2003-04
February 7, 2005	Ord. 2004-36
November 21, 2005	Ord. 2005-32
November 20, 2006	Ord. 2006-22
September 15, 2008	Ord. 2008-03
December 1, 2008	Ord. 2008-19
December 21, 2009	Ord. 2009-14
November 1, 2010	Ord. 2010-15
February 6, 2012	Ord. 2012-01
January 7, 2013	Ord. 2012-15

CITY OF GREENACRES

ADMINISTRATIVE DIRECTIVES

DIRECTIVE No. 60
ISSUED: 12-16-03
REVISED: _____

SUBJECT: **Stormwater Discharge Inspection Procedures**

REFERENCE: **EPA "Developing Pollution Prevention Plans and Best Management Practices, Summary Guidance"**

PURPOSE: To provide procedures for staff to monitor and inspect storm water discharges from construction activities that disturb groundcover on sites of one acre of land or more, as required by the Department of Environmental Protection (DEP), in accordance with the Environmental Protection Agency (EPA).

POLICY: The Public Works and Building Departments shall oversee the monitoring and inspection of stormwater discharges during construction activities in accordance with the following procedures.

PROCEDURE:

1. The Land Development Staff (LDS) shall apprise the developer, at the regularly scheduled LDS meeting, that a DEP Generic Construction Permit for construction sites disturbing one or more acres of land is required prior to a construction permit being issued.
2. A Storm Water Pollution Prevention Plan (SWPPP) and Generic Construction Permit shall be submitted prior to the issuance of any building permits.
3. A Notice of Intent (NOI) shall be submitted to the NPDES Storm Water Notices Center, and postmarked two days prior to the beginning of any construction activities (the SWPPP shall be completed prior to the submittal of an NOI).
4. The City of Greenacres Storm Water Management Inspector shall inspect the construction site during the first week of construction, to ensure that a SWPPP is available on-site, and that Best Management Practices (BMP's) are being adhered to.
5. Inspection forms shall be completed, and inspections performed by the contractor on a weekly basis, or within twenty-four (24) hours of a rain event equaling ½" or more. The City's Storm Water Management Inspector shall also ensure that all BMP's are preventing the discharge of pollutants, and inform the contractor that BMP's are performance

based and subject to revision. It is the responsibility of the contractor to inspect the site; however the City may choose to conduct on site inspections.

6. Within fourteen days of completion of all construction the contractor shall submit a Notice of Termination (NOT) to the NPDES Storm Water Notices Center.
7. Upon completion of inspections the City of Greenacres Storm Water Management Inspector shall provide copies of the "NPDES Construction Generic Permit Inspection Checklist" (Attachment A) inspection sheets to the City's NPDES Coordinator.

PREPARED BY: /s/ Dennis Rogan **DATE:** 12-16-03
Director of Public Works

APPROVED BY: /s/ Wadie Atallah **DATE:** 12-16-03
City Manager

Attachment A: NPDES Construction Generic Permit Inspection Checklist.

NPDES Construction Generic Permit Inspection Checklist

Facility Site Review

Have the provisions of the SWPPP/site plans been implemented?	
If 'some' or 'none', is there a potential for the discharge of polluted stormwater from the site to a regulated receiving water/MS4?	
Are BMPs appropriate for the activities occuring on-site to protect regulated surface waters (to the Maximum Extent Practicable per 62-40.432 FAC)?	

Controls Implemented to Prevent Stormwater Pollution	Best Management Practice (BMP)	Do the BMPs appear to be sufficient to protect surface water?	Are the BMPs maintained consistent with the SWPPP?
Stabilization Practices	Seeding		
	Sodding		
	Geotextiles		
	Mulching		
Structural Controls	Silt Fences		
	Hay Bales		
	Storm Drain Inlet Protection		
	Sedimentation Pond		
	Rip Rap		
	Check Dam		
	Diversion Structure		
Non-Structural Controls	Good Housekeeping		
	Street Cleaning		
Other Controls	Gravel Entrance/Exit Roads		
	Proper Waste Disposal Practices		

Plans

Is the SWPPP available for review at the time of the inspection?	
- If 'No', is the SWPPP in the proper location per the NOI?	
Does the SWPPP appear to meet the criteria in the CGP (based on SWPPP checklist?	

NPDES Construction Generic Permit Inspection Checklist

Permit

Is coverage under a Construction Generic Permit (CGP) required for the project?	
If 'No', why not?	
If 'Yes', has a CGP been applied for?	
If 'Yes', is the permit active?	
If 'No', why not?	
If active, is a copy of the Notice of Intent (NOI) or other indication that stormwater discharges from the site are covered under the CGP, and a brief description of the project posted at the construction site in a prominent place for public view (such as alongside a building permit)? Part III.C2 of the permit.	

Reports/Inspections

Are weekly and 1/4" rain event inspections being conducted?	
Are the inspections documented?	
Is the documentation available for review at the time of the inspection?	
Does the documentation appear accurate and complete based on the following?	
- Summary and scope of the inspection	
- Name and qualifications of personnel completing the inspection	
- Date of the inspection	
- Major observations relating to the implementation of the SWPPP	
- Incidents of non compliance identified	
- Actions taken in accordance with areas of non-compliance	
- If no non-compliance issues are noted, is there a certification that the facility is in compliance with the SWPPP and permit	
- Signatures	
Are pollution prevention controls, BMPs, and measures identified in the plan revised as appropriate, but in no case later than 7 days following the inspection?	
If construction is complete, have all records (SWPPP and inspection reports) been retained for a period of at least 3 years from the date of final stabilization?	

Condition of Receiving Waters

Is a stormwater discharge apparent at the time of the inspection?	
Is there evidence that there has been a discharge of polluted runoff to a regulated receiving water (past or present)?	
- If so, what is the apparent Impact?	

Chapter 11

STREETS, SIDEWALKS AND OTHER PUBLIC PLACES*

Article I. In General

Sec. 11-1. Easements to remain unobstructed.
Sec. 11-2. Permit required for excavations in streets and rights-of-way.
Sec. 11-3. Jurisdiction of city.
Sec. 11-4. Administration of provisions.
Sec. 11-5. Parades and processions.
Secs. 11-6—11-25. Reserved.

Article II. Streets

Division 1. Generally

Sec. 11-26. Definitions.
Sec. 11-27. Specifications adopted.
Sec. 11-28. Measurements and tests.
Secs. 11-29—11-45. Reserved.

Division 2. Private Roads

Sec. 11-46. Construction; specification.
Sec. 11-47. Inspection.
Sec. 11-48. Legal descriptions of private roads.
Sec. 11-49. Acceptance of private roads for maintenance.
Secs. 11-50—11-65. Reserved.

Article III. Sidewalks

Sec. 11-66. Sidewalk strips established.
Sec. 11-67. Parkway strips established.
Sec. 11-68. Maintenance; vegetation.
Sec. 11-69. Construction—When required.
Sec. 11-70. Same—Specifications.

ARTICLE I. IN GENERAL

Sec. 11-1. Easements to remain unobstructed.

It shall be unlawful to obstruct, block off, fence or appropriate to exclusive private use, any easement or right-of-way without prior consent of the city. All applications for such permission shall be accompanied by consents from each utility, if any, utilizing such easement or right-of-way.
(Code 1986, § 22-1.4)

Sec. 11-2. Permit required for excavations in streets and rights-of-way.

No person shall cut, excavate, bore or tunnel under, over or through any street, road, alley or public right-of-way without first obtaining written permission from the city engineer. Permission shall be granted only in those cases involving no public harm.
(Code 1986, § 22-1.5; Ord. No. 90-07, § 1, 4-2-90)

Cross references—Subdivisions, Ch. 12; utilities, Ch. 15; zoning, Ch. 16.

Sec. 11-3. Jurisdiction of city.

(a) All construction built or performed within the public rights-of-way and drainage easements, including but not limited to clearing, grubbing

Sec. 11-4. Administration of provisions.

The city engineer or his designee shall administer the provisions of this chapter.
(Code 1986, § 22-3.3)

Sec. 11-5. Parades and processions.

Any person sponsoring or organizing a parade or procession to be held in the city must obtain a permit from the director of public safety on forms provided by the city. Whenever the city grants a permit for any parade, public gathering or celebration, the director of public safety may order any street to be cleared of all vehicles during such parades, public gathering or celebration. No person shall fail to comply with the directions of any police officer in carrying out such orders.
(Code 1986, § 4-3)

Cross reference—Traffic and vehicles, Ch. 14.

Secs. 11-6—11-25. Reserved.

ARTICLE II. STREETS*

DIVISION 1. GENERALLY

Sec. 11-26. Definitions.

The following words, terms and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the

state department of transportation, a copy of which specifications are on file in the office of the city engineer.

Street shall mean a strip of land designated for vehicular traffic which affords a principal means of access to a lot, or more than one dwelling unit when the strip of land exceeds six hundred (600) feet in length, whether it is designated as a street, highway, thoroughfare, parkway, throughway, road, boulevard, lane, place or however designated, excluding, however, alleys and expressways.

(1) *Access roadway* shall mean a private roadway intended for access from private residences or private parking to a public or private street. Access roadways shall not exceed six hundred (600) feet in length or a projected traffic count of one thousand (1,000) trips per day.

(2) *Arterial street* shall mean a street which conveys traffic from collector streets to expressways and other collector streets.

(3) *Collector street* shall mean a street which carries traffic from local streets to arterial streets, and includes the principal entrance streets from a subdivision or development where projected traffic count of such collector exceeds two thousand (2,000) trips per day.

(4) *Cul-de-sac* shall mean a street with only one (1) outlet and having an appropriate

(7) *Public street* shall mean any street which is dedicated to the public use and accepted for ownership and maintenance by the city. Setbacks from public streets shall be measured from the right-of-way line.

(8) *Residential or local street* shall mean a street conveying traffic from private residences to collector streets.

(Code 1986, § 22-2.1)

Cross reference—Definitions and rules of construction generally, § 1-2.

Sec. 11-27. Specifications adopted.

Except as otherwise provided in the subdivision regulations, all materials used in work on a street shall meet state department of transportation specifications. All materials included used shall be appropriate for the intended purpose.

(Code 1986, § 22-6.1)

Cross references—Subdivision regulations, Ch. 12; zoning, Ch. 16.

Sec. 11-28. Measurements and tests.

(a) During construction the developer's engineer shall make such measurements, field tests and laboratory tests as may be needed to assure that the work and materials conform with the development plan and the provisions of this chapter.

(b) The methods of testing shall be those prescribed by the state department of transportation for use on its work.

prescribed by a city ordinance for the construction of all primary and secondary roads within the city.
(Code 1986, § 22-8.1)

Sec. 11-47. Inspection.

During the period of construction of all private roads within the city, officials of the city shall have the right to inspect at any reasonable time to confirm that construction of private roads are being done in accordance with city requirements.
(Code 1986, § 22-8.2)

Sec. 11-48. Legal descriptions of private roads.

All private roads constructed in the city shall be clearly defined on any recorded plats. Each plat so recorded shall contain the exact legal description of any roads determined to be private thoroughfares.
(Code 1986, § 22-8.3)

Sec. 11-49. Acceptance of private roads for maintenance.

Prior to the acceptance of private roads for maintenance by the city, the roads shall be inspected and repairs, if any, shall be made such that the roads, if accepted, shall meet or exceed those standards established by the city for construction of primary or secondary roads. The city shall be under no obligation to accept private

and shall be four (4) feet in width extending from lotline toward the centerline of the street for all secondary streets and roads, and five (5) feet in width extending from the lotline towards the centerline of the street for all primary roads and streets. The city manager or designee has the authority to permit minor deviations to the previous regulation.
(Code 1986, § 22-2.1(a); Ord. No. 2011-06, § 3, 5-16-11)

Sec. 11-67. Parkway strips established.

There is hereby established and designated a parkway strip immediately adjacent and parallel to the sidewalk strip and extending from the sidewalk strip to the edge of the paved road surface. In the event there is no sidewalk then the parkway strip shall be that area between the property line and the paved road surface. All provisions of this Code regarding the planting of trees, shrubs, bushes or other vegetation shall apply to areas with or without sidewalks and ribbon gutters.
(Code 1986, § 22-2.1(b); Ord. No. 2011-06, § 3, 5-16-11)

Sec. 11-68. Maintenance; vegetation.

The sidewalk strips and parkway strips shall

parkway strip, and unless otherwise agreed upon, the city is responsible for maintenance of such plantings.
(Code 1986, § 22-2.1(c); Ord. No. 2011-06, § 3, 5-16-11)

Sec. 11-69. Construction—When required.

Before a building permit shall be issued for the construction of any new building, including parking lots, upon any plot of land in the city not improved by a sidewalk adjacent to such plot, the plans for such construction must include provisions for the installation of sidewalks, concurrent with the construction of the improvement, of a sidewalk in accordance with the specifications provided by the city, such sidewalk to be built at the expense of the owner of the property. In cases where the improvement is a building, no certificate of occupancy shall be issued for any such building unless and until such sidewalk is completed. The provisions of this section shall also apply to permits for the repairs or additions to existing buildings or parking lots upon any plot of land not improved by a sidewalk in any case where the total cost of such repairs or additions shall equal or exceed fifty (50) percent of the assessed value. Any person who feels aggrieved by the application shall have the right to appeal. The requirement of sidewalk construction may be waived at the discretion of the director of planning and engineering.

Sec. 11-72. Provisions supplemental to subdivision regulations.

The provisions of this article shall be in addition to and not in place of the other provisions of the subdivision regulations.
(Code 1986, § 22-2.1(f))

ARTICLE IV. CITY PARKS

Sec. 11-73. Operating hours; special events permit.

(a) *Park operating hours.* All parks located within the city shall be open to the public every day of the year at sunrise and shall be closed at sunset, except for the following parks which shall operate as provided herein:

(1) Community Park: Open at sunrise; closed at 10:00 p.m.;

(2) Ira Van Bullock Park: Open at sunrise; closed at 10:00 p.m.;

(3) Rambo Park: Open at sunrise; closed at 10:00 p.m.;

(4) Veterans Park: Open at sunrise; closed at 10:00 p.m.;

(5) Bowman Park: Open at sunrise; closed at 10:00 p.m.;

and upon payment of the appropriate permit fee, the department of engineering, planning and building shall issue a permit for the proposed event.
(Ord. No. 96-19, § 1, 4-1-96; Ord. No. 00-37, § 1, 10-16-00; Ord. No. 2005-21, § 1, 6-20-05)

Sec. 11-74. Posting.

Each park within the city shall be posted, with the appropriate signage, to indicate the respective hours of operation. It shall be unlawful for any person to be present in a city park before or after the authorized posted hours.
(Ord. No. 96-19, § 1, 4-1-96)

Sec. 11-75. Penalty for violation.

Any person found in violation of the provisions of this chapter shall be subject to prosecution for trespass in accordance with Ch. 810, Florida Statutes, as amended, which is punishable as a first degree misdemeanor.
(Ord. No. 96-19, § 1, 4-1-96)

City of Greenacres 2012 Annual NPDES Report
Attachment 2: Summary Report for Review of Land Development Codes

The City of Greenacres' current Code of Ordinances was reviewed to determine where changes can be made to reduce the storm water impacts of new development and areas of significant development, The Code of Ordinances includes the Charter, Zoning Text, Capital Improvement Elements, and Land Development Code. A review of these for the past 5 years is described below.

Zoning Text Amendment: City staff maintains an ongoing review of zoning and land development regulations to ensure that they reflect the most current standard practices. The review identified a need to update and clarify certain provisions of Chapter 26, Subdivision and incorporate it into the existing City Code. This Zoning Text Amendment (ZTA) was initiated by City staff to address these issues. On February 16, May 17, and July 19, 2012, the Land Development Staff reviewed the proposal and recommended approval. On September 5, 2012, the Planning Commission recommended approval of ZTA-12-01 by a vote of 6-0.

During the course of implementing the City's Zoning Code, it became apparent that certain provisions needed to be clarified as to their intent and application in specific circumstances and to provide sufficient administrative guidance for proper implementation. In addition, subsequent to the major re-write of Zoning Code in 1986, Florida Statutes were revised and now contain requirements concerning concurrency, consistency of the Comprehensive Plan with Florida Statues, consistency of the Zoning Code and zoning designation with the Comprehensive Plan, and requirements that these criteria must be satisfied prior to issuance of a development order. More specifically, the following revisions that directly impacted the City's MS4 were made:

- **ARTICLE II PROPERTY MAINTENANCE:**
  - **Sec. 7-29. Certain grass areas required:** All owners, tenants or occupants of a nonresidential use, mobile home or multifamily residential development property shall maintain a complete ground cover of lawn grass as prescribed required in sections 16-1244, 16-1245, and 16-1246, 16-1292, and 16-1311.
  - **Sec. 7-30. Lot Cleaning of lots required:** All platted or unplatted lots, parcels and tracts of land lying adjacent to or abutting upon any public street, thoroughfare, private street, private property or occupied property, or within a distance of fifty (50) feet thereof, within the city shall be cleared and cleaned of all nuisances as defined in section 7-27, such as dead and dying trees, stumps, roots, obnoxious growth, filth, garbage, trash and debris

- **ARTICLE III. SIDEWALKS**
  - **Sec. 11-67. Parkway strips established:** There is hereby established and designated a parkway strip immediately adjacent and parallel to the sidewalk strip and extending from the sidewalk strip to the edge of the

paved road surface. In the event there is no sidewalk then the parkway trip shall be that area between the front property line and the paved road surface. All provisions of this Code regarding the planting of trees, shrubs, bushes or other vegetation shall apply to areas with or without sidewalks and ribbon gutters.

- **Sec. 11-68. Maintenance; vegetation:** The sidewalk strips and parkway strips shall be maintained by the adjacent property owners and shall be kept free and clear of trees, shrubs, and other obstructions except that trees and shrubs installed with the approval of the City previous to May 16, 2011 and which are not located in a safe sight visibility area and which do not interfere with underground or aboveground utilities or use of the roadway or sidewalk may remain provided that they are maintained by the adjacent property owner. Any part of the area not otherwise occupied by the sidewalk, ribbon gutter, or permitted driveway(s) shall be sodded and maintained with a complete covering of grass. This area shall be irrigated by the adjacent owner as necessary to accomplish vibrant grass growth. As part of a neighborhood beautification effort, the City may plant trees and/ or shrubs within the public road right-of-way, including within the parkway strip, and unless otherwise agreed upon, the City is responsible for maintenance of such plantings.

- **ARTICLE VII. LANDSCAPING**
  - **Sec. 16-1241. Purpose and intent:** This article establishes regulations for the proper installation and maintenance of landscaping that will contribute to enhanced visual aesthetics, air purification, absorption of water, regeneration of oxygen, abatement of noise, glare, and heat, and control erosion while improving the appearance of setback and yard areas, and including off-street vehicular parking and open lot sales and service areas in the city. It is also the intent to preserve and protect the appearance, character and value of surrounding neighborhoods and thereby promote the general welfare. The provisions of this of this article are minimum standards for properties in the city, and may be increased in accordance with the requirements established in this Code.
  - **Sec. 16-1292. Landscaping of rights-of-way.** All rights-of-way abutting a site shall be sodded and subject to the maintenance responsibility provisions as stated in Section 11-68. Any adjacent median, shall be landscaped utilizing high planting schemes in accordance with Palm Beach County streetscape standards.

Capital Improvement Element Update: The Capital Improvement Element within the Comprehensive Plan is being updated to reflect the City's proposed Capital Improvement Program for the years 2012 through 2017, relevant portions of the Palm Beach County Five Year Road Program, and the Palm Beach County Water Utilities Department Water Supply Work Plan. The update also includes the School District of Palm Beach County's Capital Improvement Program, which was required to be kept up

to date by the interlocal agreement on school concurrency. In accordance with revised state statutes concerning the processing of updates to the Capital Improvement Element, a copy of this text amendment will be provided to the Florida Division of Community Development as a courtesy. The Local Planning Agency reviewed this text amendment on January 4, 2012, and recommended approval by a vote of 7-0. On January 9, 2012 the City Council voted 5-0 to approve the amendment on first reading.
The text amendment will authorize an update to the Capital Improvement Element within the Comprehensive Plan as required by state statute and the Public School Facilities Element of the City's Comprehensive Plan. Overall, this amendment is compatible with the Treasure Cost Regional Planning Council's Strategic Policy Plan and Chapter 163, Florida Statutes.

Adoption of Ordinance 2012-20 amending Chapter 7 Health, Sanitation and Nuisances to add Article V entitled Florida Friendly Fertilizer Use: In accordance with the Federal Clean Water Act Section 303(d) and the Florida Impaired Waters Rule (Chapter 62-303, Florida Administrative Code), the Florida Department of Environmental Protection (FDEP) has classified specific water bodies in Palm Beach County as "impaired" as a result of the presence of excessive nutrients. Those water bodies segments include the C51 and E4 canals. The City of Greenacres is a co-permittee on the Palm Beach County Municipal Separate Storm Sewer System Permit (MS4 Permit) that includes forty one (41) governmental entities. The MS4 Permit and Florida Statutes, Section 403.9337 require local governments located within the watershed of a water body or water segment that is listed as impaired by nutrients pursuant to § 403-067, to adopt the FDEP's Model Ordinance for Florida-Friendly™ Fertilizer Use in Urban Landscapes by March 2, 2013

This ordinance regulates all applicators of fertilizer and areas of fertilizer application to urban landscapes within the City of Greenacres. It requires the use of best management practices in fertilizer application to help minimize negative environmental effects associated with excessive nutrients in local water bodies. The regulation of nutrients, including phosphorus and nitrogen contained in fertilizer, is anticipated to help improve and maintain water and habitat quality. Ordinance requirements include: proper training and licensing of commercial and institutional fertilizer applicators, prohibited application periods, fertilizer free zones, allowable fertilizer application rates and methods, enforcement procedures, and penalties. The City Council approved this ordinance on second reading December 3, 2012 by a unanimous vote of 5-0.