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: Town of Palm Beach		
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): 10/ 2011 through 09 / 2012		
F.	Name of the Responsible Authority: Peter Elwell		
	Title: Town Manager		
	Mailing Address: P.O. Box 2029		
	City: Palm Beach	Zip Code: 33480	County: Palm Beach
	Telephone Number: 561 838 5410	Fax Number: 561 835 4687	
	E-mail Address: pelwell@townofpalmbeach.com		
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Martin Gauthier		
	Title: Engineer		
	Department: Public Works		
	Mailing Address: 951 Old Okeechobee Road, Suite A		
	City: West Palm Beach	Zip Code: 33401	County: Palm Beach
	Telephone Number: 561 838 5440	Fax Number: 561 835 4691	
	E-mail Address: mgauthier@townofpalmbeach.com		

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):1 (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 Notes:* • *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: $805,128 *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: $816,553

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	***DEP Note: Please complete Checklists A & B at the end of the tailored form.***
☐	☒	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.
☐	☒	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): Peter Elwell

Title: Town Manager

Signature: _____ Date: / /

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.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 not have during this permit cycle. 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 to be consistent with the unit of measurement in the documentation. 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	0	N/A	N/A	N/A	N/A	N/A	N/A	No dry retention facilities in MS4
Exfiltration trench / French drains (linear feet)	640	10	50	0	20	Inspection form	Town of Palm Beach, Water Resources Division	Monitor performance during rainfall events
Grass treatment swales (miles)	0	N/A	N/A	N/A	N/A	N/A	N/A	No grass treatment swales in MS4
Dry detention systems	0	N/A	N/A	N/A	N/A	N/A	N/A	No dry detention facilities in MS4
Wet detention systems	0	N/A	N/A	N/A	N/A	N/A	N/A	No wet detention facilities in MS4

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**
	Pollution control boxes	12	624	100	72	100	PM Work Order Log	Town of Palm Beach, Water Resources Division	Part of pump station activity
	Stormwater pump stations	12	624	100	72	100	PM Work Order Log	Town of Palm Beach, Water Resources Division	
	Major stormwater outfalls	12	624	100	N/A	N/A	PM Work Order Log	Town of Palm Beach, Water Resources Division	Pump station outfalls
	Weirs or other control structures	N/A	N/A	N/A	N/A	N/A	Not documented	Town of Palm Beach, Water Resources Division	Included in new SOP
	MS4 pipes / culverts (miles)	31	274	N/A	N/A	N/A	PM Work Order Log	Town of Palm Beach, Water Resources Division	Inventory included in new SOP
	Inlets / catch basins / grates	1640	6560	100	6560	100	Streets Work Order Log	Town of Palm Beach, Street Maintenance Bureau	
	Ditches / conveyance swales (miles)	0	N/A	N/A	N/A	N/A	N/A	Town of Palm Beach, Water Resources Division	No ditches/convey-ance swales in MS4
	ATTACH explanation if any of the minimum inspection frequencies in Table II.A.1.a were <u>not</u> met								
	Year 1 ONLY: Attach a map of all known major outfalls as per Rule 62-624.600(2)(a), F.A.C.						MS4 Inventory Map	Town of Palm Beach, Water Resources Division	Map showing major outfalls previously submitted
Part III.A.2	**Areas of New Development and Significant Redevelopment** **Residential 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.*								

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**
	Number of new development / significant redevelopment projects reviewed	2	Permit Record	TPB, Erosion Control Inspector	1 acre or greater disturbed area
	Provide in the Year 2 Annual Report the summary report of the review of local codes activity. Provide in the Year 4 Annual Report the follow-up report on plan implementation of modifying codes to allow low impact design BMPs. *<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				
	Year 4 ONLY: Attach the follow-up report on plan implementation				
Part III.A.3	**Roadways**				
	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. *<u>DEP Note:</u> 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, but not by both, please remove the non-applicable reporting items.*				
	PERMITTEE Litter Control Program: Frequency of litter collection	0	N/A	N/A	Town does not have litter control program see SOP
	PERMITTEE Litter Control Program: Estimated amount of area maintained (linear feet)	0	N/A	N/A	Town does not have litter control program see SOP
	PERMITTEE Litter Control Program: Estimated amount of litter collected (cubic yards)	0	N/A	N/A	Town does not have litter control program see SOP
	CONTRACTOR Litter Control Program: Frequency of litter collection	0	N/A	N/A	Town does not have litter control program see SOP
	CONTRACTOR Litter Control Program: Estimated amount of area maintained (linear feet)	0	N/A	N/A	Town does not have litter control program see SOP

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**
	CONTRACTOR Litter Control Program: Estimated amount of litter collected (cubic yards)	0	N/A	N/A	Town does not have litter control program see SOP
	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. *<u>DEP Note:</u> 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 but do not remove the Adopt-A-Road Program reporting items.*				
	Keep PBC Beautiful Trash Pick-up Events: Total miles cleaned	0	N/A	N/A	Town does not have Adopt a Road program
	Keep PBC Beautiful Trash Pick-up Events: Estimated amount of litter collected (cubic yards)	0	N/A	N/A	Town does not have Adopt a Road program
	Adopt-A-Road Program: Total miles cleaned	0	N/A	N/A	Town does not have Adopt a Road program
	Adopt-A-Road Program: Estimated amount of litter collected (cubic yards)	0	N/A	N/A	Town does not have 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. *<u>DEP Note:</u> 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.* *<u>DEP Note:</u> 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	3x per week	Contract	All American Sweeping	
	Total miles swept (per year)	3088	Contract	All American Sweeping	
	Estimated quantity of sweeping material collected (cubic yards)	488	Report Log	All American Sweeping	
	Total nitrogen loadings removed (pounds)	136	N/A	N/A	Computed with SOP spreadsheet
	Total phosphorus loadings removed (pounds)	274	N/A	N/A	Computed with SOP spreadsheet

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
	Year 1 ONLY: If have curbs and gutters, attach explanation of why no street sweeping program and the alternate BMPs used or planned		N/A	N/A	N/A
	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. 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: Public Works Facility	12	Maintenance Shop Inspection	Public Works	N/A
	Name of facility #2:				
	Name of facility #3:				
	Name of facility #4:				
Part III.A.4	**Flood Control Projects**				
	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*: A "stormwater retrofit project" is one implemented primarily to provide stormwater treatment. *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, for those reported as under construction 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	0	N/A	N/A	N/A
	Flood control projects completed during the reporting period that did not include stormwater treatment	N/A	N/A	N/A	N/A
	ATTACH a list of the flood control projects that did not include stormwater treatment and an explanation for each of why it was not		N/A	N/A	N/A
	Stormwater retrofit projects planned	0	N/A	N/A	N/A
	Stormwater retrofit projects under construction during the reporting period	0	N/A	N/A	N/A
	Stormwater retrofit projects completed during the reporting period	0	N/A	N/A	N/A

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.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. *<u>DEP Note:</u> 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:Pinewalk yard waste transfer	4	Inspection reports	TPB, Erosion Control Inspector	
	Name of facility #2:				
	Name of facility #3:				
	Name of facility #4:				
Part III.A.6	**Pesticides, Herbicides, and Fertilizer Application**				
	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> 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	0	N/A	N/A	
	CONTRACTORS: FDACS certified / licensed applicators of pesticides and herbicides	1	Individual Applicator License	State of Florida	
	CONTRACTORS: FDACS certified / licensed applicators of fertilizer	1	Individual Applicator License	State of Florida	

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
	PERSONNEL: Green Industry BMP Program training completed	0	N/A	N/A	
	CONTRACTORS: Green Industry BMP Program training completed	0	N/A	N/A	
	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, but do not remove this reporting item.* *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		N/A		
	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 items or adding items to the list below as appropriate to their particular public outreach program. However, the 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, as demonstrated in the first reporting item below. 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, and the PBC Joint AR is not referenced, 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 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.* *DEP Note: Indicate under Column E "Entity Performing the Activity" if FYN or IFAS is performing any of the reported public education and outreach activities. In addition, please complete the following line:* **FYN PROGRAM FUNDING: Permittee Provides Funding? ☐ Yes ☒ No Amount of Funding = $**				
	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.			
				FYN	
				FYN	

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**
				FYN	
				FYN	
				FYN	
				FYN	
				FYN	
				FYN	
				FYN	
				FYN	
				FYN	
	~~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:* This permit requirement has been removed from other Phase I MS4 permits that were reissued after the Palm Beach County MS4 permit since recent changes to the FDACS certification / licensing program have allowed it to adequately fulfill this requirement. Therefore, at this time, this permit requirement does not need to be implemented.**				
Part III.A.7.a	**Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures**				
	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		N/A	N/A	N/A
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.				

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**
	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	12	Inspection report	Town of Palm Beach, Engineering Division Inspector	
	Illicit discharges / connections / dumping found during a proactive inspection	0	N/A	N/A	
	Notices of Violation (NOVs) / warning letters / citations issued for illicit discharges / connections / dumping found during a proactive inspection	0	N/A	N/A	
	Fines issued for illicit discharges / connections / dumping found during a proactive inspection	0	N/A	N/A	
	Year 1 ONLY: Attach the written proactive inspection program plan				Attached
	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: If the number of reports received differs from the number of reactive investigations, please provide an explanation for the discrepancy in Column F. 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.*				
	Reports of suspected illicit connections / discharges / dumping received	3	Inspection report	Town of Palm Beach, Engineering Division Inspector	
	Reactive investigations of reports of suspected illicit discharges/ connections / dumping	3	Inspection report	Town of Palm Beach, Engineering Division Inspector	
	Illicit discharges / connections / dumping found during a reactive investigation	0	N/A	N/A	
	Notices of Violation (NOVs) / warning letters / citations issued for illicit	0	N/A	N/A	

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
	discharges / connections / dumping found during a reactive investigation				
	Fines issued for illicit discharges / connections / dumping found during a reactive investigation	0	N/A	N/A	
	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.*				
	Personnel trained — **Initial Training: 1** — **Refresher Training: 0**		Certificate	FSA	Stormwater Operator 2 Certifications
	Contractors trained — **Initial Training: 0** — **Refresher Training: 0**		N/A	N/A	N/A
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.*				
	Hazardous and non-hazardous material spills responded to	0	N/A	N/A	
	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.*				
	Personnel trained — **Initial Training: 1** — **Refresher Training: 0**		Certificate	FSA	Stormwater Operator 2 Certifications
	Contractors trained — **Initial Training: 0** — **Refresher Training: 0**		N/A	N/A	
Part III.A.7.e	**Illicit Discharges and Improper Disposal — Public Reporting**				
	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				

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**
	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). *<u>DEP Note:</u> The permittee should "customize" the list of public outreach activities by removing items or adding items to the list below as appropriate to their particular public outreach program. However, the 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, as demonstrated in the first reporting item below. 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, and the PBC Joint AR is not referenced, 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 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.			
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 items or adding items to the list below as appropriate to their particular public outreach program. However, the reporting item of "Estimated percentage of the population reached by the activities in total" must remain unless*				

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**
	the permittee chooses to reference the PBC Joint AR, as demonstrated in the first reporting item below. 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, and the PBC Joint AR is not referenced, 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.			
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 <u>sanitary wastewater contamination into the MS4</u>, 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. *<u>DEP Note:</u> The permittee needs to "customize" this section as it pertains to the type of activities undertaken to reduce or eliminate SSOs and inflow / infiltration <u>into the MS4</u>. The first three reporting items below are <u>examples</u>.* *<u>DEP Note:</u> 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.*				

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**
	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	280 ft	Permit Issuance	Private Contractor	
	Activity to reduce/eliminate SSOs and inflow / infiltration: Septic systems removed	0	N/A	N/A	
	Activity to reduce/eliminate SSOs and inflow / infiltration: Emergency generator added	0	N/A	N/A	
	SSO incidents discovered	0	N/A	N/A	
	SSO incidents resolved	0	N/A	N/A	
	Inflow / infiltration incidents discovered	0	N/A	N/A	
	Inflow / infiltration incidents resolved	0	N/A	N/A	
	Name of owner of the sanitary sewer system	Town of Palm Beach			
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 then select "Generate Report." Please indicate in Column F when (month / year) you last checked EPA's TRI for applicable facilities.* *DEP Note: The total number of high risk facilities reported needs to equal the sum of the numbers of the four types of applicable 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 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*				
		NOVs / Letters of Warning / Citations Issued	**For violations discovered during a high risk inspection**		

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**
				Fines issued	**Notices of Violation (NOVs) / warning letters / citations issued**			
	Total high risk facilities	**0**				N/A	N/A	EPA check 11/12
	New high risk facilities added to the inventory during the current reporting period	**0**				N/A	N/A	
	Operating municipal landfills	**0**		N/A	N/A	N/A	N/A	
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	***0***		N/A	N/A	N/A	N/A	
	EPCRA Title III, Section 313 facilities (that are not landfills or HWTSDR facilities)	**0**		N/A	N/A	N/A	N/A	
	Facilities determined as high risk by the permittee through the proactive inspections as per Part III.A.7.c	**0**		N/A	N/A	N/A	N/A	
	Other facilities determined as high risk by the permittee (that are <u>not</u> facilities identified through the proactive inspections)	**0**		N/A	N/A	N/A	N/A	
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				0	N/A	N/A	
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				2	Construction Site Building Permit	Town of Palm Beach, Engineering Division	
	PERMITTEE SITES: Construction site plans approved				2	Construction Site Building Permit	Town of Palm Beach, Engineering Division	
	PRIVATE SITES: Construction site plans reviewed				43	Construction Site	Town of Palm	

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**
			Building Permit	Beach, Building Department	
	PRIVATE SITES: Construction site plans approved	43	Construction Site Building Permit	Town of Palm Beach, 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. If the number of applicants notified of ERP or CGP coverage is less than the number of construction site plans reviewed, please provide an explanation for the discrepancy in Column F.*				
	Notified of ERP stormwater permit requirements	0	N/A	N/A	Most projects fall beneath ERP exemption threshold
	Confirmed ERP coverage	1	Construction Site Building Permit	Town of Palm Beach, Building Department	
	Notified of CGP stormwater permit requirements	3	Construction Site Building Permit	Town of Palm Beach, Building Department	
	Confirmed CGP coverage	3	Construction Site Building Permit	Town of Palm Beach, Building Department	
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. If the number of inspections reported is equal to or less than the number of active construction sites, or the percentage inspected is less than 100%, please provide an explanation in Column F. 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	Construction Site Building Permit	Town of Palm Beach,	

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**
				Engineering Division	
	PERMITTEE SITES: Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs	3	Construction Inspection report	Town of Palm Beach, Engineering Division Inspector	
	PERMITTEE SITES: Percentage of active construction sites inspected	100	Construction Inspection report	Town of Palm Beach, Engineering Division	
	PRIVATE SITES: Active construction sites	43	Construction Site Building Permit	Town of Palm Beach, Building Department	
	PRIVATE SITES: Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs	114	Construction Inspection report	TPB, Erosion Control Inspector	
	PRIVATE SITES: Percentage of active construction sites inspected	100	Construction Inspection report	Town of Palm Beach, Building Department	
	Notices of Violation (NOVs) / warning letters / citations issued	0	NOV Log	Town of Palm Beach, Engineering Division	
	Stop Work Orders issued	0	NOV Log	Town of Palm Beach, Engineering Division	
	Fines issued	0	NOV Log	Town of Palm Beach, Engineering Division	
	Year 1 ONLY: Attach the written construction site inspection program plan		N/A	N/A	
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*.				

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**
	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. Private site operator training can include pre-construction meetings.							
		Certification Training	**Initial Training (non-certification)**	**Refresher Training**				
	Permittee construction site inspectors	**0**	**0**	**0**				6 Previous
	Permittee construction site plan reviewers	**0**	**0**	**0**				6 Previous
	Permittee construction site operators	**0**	**0**	**0**				6 Previous
	Private persons	**0**	**0**					

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.** *DEP Note: There may be changes deemed necessary after developing / reviewing your plans and SOPs as per Part III.A of the permit, after completing your SWMP evaluation as per Part VI.B.2 of the permit, or due to a TMDL / BMAP as per Part VIII.B of the permit.*
		N/A
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)** *DEP Note: There may be changes deemed necessary after developing / reviewing your plans and SOPs as per Part III.A of the permit, after completing your SWMP evaluation as per Part VI.B.2 of the permit, or due to a TMDL / BMAP as per Part VIII.B of the permit.*
		N/A

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]**		See Joint Report
☒	☐	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	SWMP 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), F.A.C.	**YEAR 1:** An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM).		Previously submitted
☐	☒	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 applicable.		Proposed for adoption current cycle
☐	☐	Part III.A.7.c	**YEAR 1:** A proactive illicit discharge / connection / dumping inspection program plan.		
☐	☐	Part III.A.9.b	**YEAR 1:** A construction site inspection program plan. **[For approval by DEP]**		
☒	☐	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.		
☐	☒	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 / redevelopment.	2	Stormwater Pollution Prevention
☐	☒	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 B: 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.
PBC Joint	N/A	N/A	N/A	Part III.A.6	Plan for public education and outreach on reducing the use of pesticides, herbicides and fertilizer.
N/A	N/A	N/A	N/A	Part III.A.6	~~Plan for pesticide, herbicide and fertilizer application training~~ *DEP Note: A plan is not necessary since the FDACS certification / licensing program adequately fulfills the permit requirement.*
PBC Joint AR	N/A	N/A	N/A	Part III.A.6	SOP for reducing the use of pesticides, herbicides and fertilizer, and for the proper application, storage and mixing of these products.
☐	☐	☒	☐	**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.
PBC Joint AR	N/A	N/A	N/A	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.
PBC Joint AR	N/A	N/A	N/A	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 – please complete Section VIII.A of the annual report.**

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.	9/2/11
Part VIII.B.3.b	**12 MONTHS from effective date of permit:** TMDL Monitoring and Assessment Plan.	3/2/12
Part VIII.B.3.c	**6 MONTHS from receiving analyses from the lab:** TMDL Monitoring Report.	TBD
Part VIII.B.4	**30 MONTHS from effective date of permit:** A Bacterial Pollution Control Plan (BPCP).	9/2/13

END OF REVISED TAILORED MS4 AR FORM
CYCLE 3 PERMIT

ATTACHMENT #1

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 data suggests that more pollutant loadings are being removed by our Street Sweeping Program which reduces the amount of pollutant loadings into the Town's MS4.

2. Which components of the SWMP are working well and are effective in reducing stormwater pollutant loadings? Why are they effective?

   The Town three times a week Street Sweeping Program is the most effective way to reduce stormwater pollutant loadings into our MS4.

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 Town believes it is difficult to achieve on a local level. Many of our residents are seasonal.

4. Which components of the SWMP do not contribute to reducing stormwater pollutant loads and could be revised or eliminated, and why?

   The Town believes it is a waste of resources to inspect all high risk facilities when those facilities specific pollutants have not been found in our system.

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?

   The monitoring program is useful in assessing the overall water quality of the County's receiving water bodies.

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

Town of Palm Beach

Stormwater Pollution Prevention Plan

Table of Contents

Stormwater Pollution Prevention Plan

Florida Department of Environmental (FDEP) requires that a written Stormwater Pollution Plan consistent with CFR 40 122.26.(d)(2)(iv) be submitted with the 3rd Cycle 2nd Year Annual Report. The Stormwater Pollution Plan should include:

written standard operating procedures with inspection checklists, documentation methods, and tracking methods

copies of relevant legal authority, ordinances

outfall map with drainage areas

MS4 Inventory

copies of any inter-local agreements if other entities perform activities on behalf of the Town

other pertinent information on how each component of the permit is being implemented, including how activities are documented and tracked.

Standard Operating Procedures

Written Standard Operating Procedures were required as part of the submittal for the 3rd Cycle 1st Year Annual Report. Adopted standard operating procedures were not modified during the 2nd year reporting cycle. Full text of the procedures is contained in Appendix 1.

Ordinances

Town codes were reviewed to determine whether the Town has the legal authority to:

• prohibit non-stormwater discharges to the MS4

Sec 122-153(a) Prohibitions

• prohibit and eliminate illicit connections and discharges to the MS4

Sec 122-153(c) Illicit Connections

• prohibit spills or other releases into the MS4

Sec 122-153(f) Notification of Spills

• require dischargers into the MS4 to be accountable for their stormwater flows and loads

Sec. 86-91 Stormwater Management System Requirements(8)

• require implementation of appropriate BMPs to control discharges from construction sites, new development or redevelopment projects, or industrial facilities into the MS4

Sec. 86-91 Stormwater Management Plans(b)(7)

• conduct reviews and approve site plans, erosion and sediment control plans, stormwater management plans for construction sites and post-construction stormwater discharges

Sec. 86-91 Stormwater Management Plans

• conduct inspections of activities that discharge stormwater into the MS4 system to assure compliance with state, regional, or local laws or regulations.

Sec 122-154(a) Authority for Inspections

• respond to violations by requiring dischargers to the MS4 system to reduce pollutant loads, flows, or even cease discharging, if needed.

Sec 122-153(d) Administrative Order

• impose civil or criminal penalties, including monetary fines, for persistent non-compliance or for repeat or escalating violations.

Sec 122-155 Enforcement

Full text of applicable Town Code is contained in Appendix 2.

Outfall Map

The Town has prepared a map of the MS4 showing existing outfalls. A printed copy of this map is contained in Appendix 3. An CAD copy has been submitted previously.

MS4 Inventory

The Town MS4 Inventory has been previously submitted in electronic format. A supplemental copy is contained in Appendix 4.

Inter-local Agreements

The Town has not entered into any inter-local agreements pertaing to the operation of the Town's MS4.

Documentation and Tracking

Information pertaining to documentation and tracking of activities within the SWPPP are contained within the adopted standard operating procedures. Example forms, required frequency of activities, locations of records, etc. are included.

APPENDIX 1 - Standard Operating Procedures

TOWN OF PALM BEACH

Standard Operating Procedures

Table of Contents

Part III.A.7.c

Proactive Illicit Discharge Inspections

Reactive Illicit Discharge Inspection Program

Illicit Discharge Training Plan

Part III.A.7.d

Spill Prevention & Response Procedures

Spill Prevention & Response Training Plan

Part III.A.7.g

Plan to Eliminate Wastewater Contamination in Stormwater

Part III.A.8

High Risk Facilities Inspection Program

Part III.A.9.a

Site Plan Review Procedures

Part III.A.9b

Construction Site Inspection Plan and Inspection Form

Roadway Maintenance Practices to Reduce Pollutants to MS4

Part III.A.1(a)

Pipes/Culverts and Inlets/Manholes – Structural Control Inspection

Standard Operational/Maintenance/Documentation Protocol

There are 31 miles of pipe that are part of our MS4. This value and the locations on the GIS map do NOT include exfiltration trench, which is catalogued separately. Each pipe segment (between two structures or between a structure and an outfall) has a unique identification. This information is stored in a geographic information system (GIS) map which has previously been submitted.

There are 1640 inlets/catch basins/manholes that are part of our MS4. Each structure has a unique identification. This information is stored in a geographic information system (GIS). or on hardcopy maps of the system.

Inspections:

The entire storm sewer system that comprises the MS 4 is inspected at least annually.. Inlets and catchbasins are inspected quarterly. Manholes associated with a pipe/culvert system are inspected concurrently. The pipe/culvert system between each manhole and inlet is inspected concurrently. Inspections are also conducted to monitor performance during storm events and after the conclusion of significant storm events. Visual inspections and routine maintenance activities are conducted in accordance with the checklist/procedure that follows. If warranted, as a result of the visual inspection, a work order for maintenance, repair, or a more detailed pipe or structure investigation is generated. A more detailed investigation may include televising the pipe, or using mirrors or other devices, as appropriate, to determine the condition of the pipe/culvert. As a result of the more detailed investigation, a work order for maintenance or repair are generated as may be required.

In addition to regularly scheduled inspections and storm event related inspections Town staff responds to Citizens complaints and queries. Public Works staff will investigate and inspect as required in response. Maintenance which may be required in response will be performed.

Maintenance:

There are several maintenance activities that may be associated with stormwater networks . The appropriate activity is chosen to correspond to the reported condition. The following activities are performed:

Inlets and Catchbasins (quarterly)

1. Remove trash and debris and dispose of properly.
2. Remove accumulated vegetative matter and dispose of properly.
3. Remove accumulated sediment and dispose of properly.
4. Remove barnacles and/or other marine life and dispose of properly.

Manholes and pipes (minimum annually)

1. Remove trash and debris and dispose of properly.
2. Remove accumulated vegetative matter and dispose of properly.
3. Remove accumulated sediment and dispose of properly.
4. Remove barnacles and/or other marine life and dispose of properly.

Documentation: Inspection forms are maintained by Public Works Water Resources Division

Part III.A.1(b)

Control Structures – Structural Control Inspection

Standard Operational/Maintenance/Documentation Protocol

Control structures (weirs, orifices, gates, etc.) that are associated with other structural controls, such as wet and dry retention and detention areas, exfiltration trench, and swales, are inspected along with the structural control system of which they are a part.

Control structures that associated with pipe networks and/or canals (weirs, operable gates, etc.) are inspected in conjunction with the pump station they serve.. There are 13 stand-alone control structures associated with Town Stormwater pumping stations and major outfalls that are part of our MS4. This information is stored in a geographic information system (GIS) map which has previously been submitted.

Inspections:

Stand-alone control structures (as Major Storwater Outfalls) are inspected weekly, or more frequently after major rainfall events.

The anticipated inspection schedule follows.

D-2 weekly

D-3 weekly

D-4 weekly

D-6 weekly

D-7 weekly

D-8 weekly

D-9 weekly

D-10 weekly

D-12 weekly

D-14 weekly

D-16 weekly

D-17 weekly

Maintenance:

There are several maintenance activities that may be associated with control structures. Because these structures are each unique, their maintenance needs are specific to each structure. The appropriate activity is chosen to correspond to the reported condition or required action. The following activities may be required:

1. Remove trash and debris and dispose of properly.
2. Remove accumulated vegetative matter and dispose of properly.
3. Remove accumulated sediment and dispose of properly.
4. Remove barnacles and/or other marine life and dispose of properly.
5. Repair/replace the mechanical parts, if applicable.
6. Repair/replace structure, if needed.

Documentation:

The documentation for the inspection and maintenance activities related to control structures is the Town of Palm Beach Water Resources Division Storm Water Pumping Station Weekly Inspection Checklist.

Town of Palm Beach Water Resources Division

Storm Water Pumping Station

Weekly Inspection Checklist

Facility ID: _____

Date	Grease/Oil	Sand/debris	Floatables	Operation	Action Req	Action Taken	Insp
Oct/2011							
Week 1							
Week 2							
Week 3							
Week 4							
Nov/2011							
Week 1							
Week 2							
Week 3							
Week 4							
Dec/2011							
Week 1							
Week 2							
Week 3							
Week 4							
Jan/2012							
Week 1							
Week 2							
Week 3							
Week 4							
Feb/2012							
Week 1							
Week 2							
Week 3							

Week 4

Mar/2012

Week 1

Week 2

Week 3

Week 4

Apr/2012

Week 1

Week 2

Week 3

Week 4

May/2012

Week 1

Week 2

Week 3

Week 4

Jun/2012

Week 1

Week 2

Week 3

Week 4

Jul/2012

Week 1

Week 2

Week 3

Week 4

Aug/2012

Week 1

Week 2

Week 3

Week 4

Sep/2012

Week 1

Week 2

Week 3

Week 4

Part III.A.1(c)

Major Stormwater Outfalls – Structural Control Inspection

Standard Operational/Maintenance/Documentation Protocol

There are 13 major stormwater outfalls (MSWOs) that are part of our MS4. A MSWO is defined as:

- an outfall pipe larger than 36-inch inside diameter (or its equivalent), OR
- discharge from a single conveyance other than a pipe that serves a drainage area of 50 acres or more, OR
- an outfall pipe larger than 12-inches inside diameter (or its equivalent) that serves a drainage area containing industrial land uses, OR
- discharge from a single conveyance other than a pipe that serves a drainage area of 2 acres or more than include industrial land uses.

Major Outfalls are inspected in conjunction with the pump station they serve The MSOWs within the MS4. This information is stored in a geographic information system (GIS) map which has previously been submitted. **Inspections:**

MSWOs are inspected are inspected weekly, or more frequently after major rainfall events.

The anticipated inspection schedule follows.

D-2 weekly

D-3 weekly

D-4 weekly

D-6 weekly

D-7 weekly

D-8 weekly

D-9 weekly

D-10 weekly

D-12 weekly

D-14 weekly

D-16 weekly

Maintenance:

There are several maintenance activities that may be associated with MSWOs. The appropriate activity is chosen to correspond to the reported condition. The following activities may be required:

Remove trash and debris and dispose of properly.

Remove accumulated vegetative matter and dispose of properly.

Remove accumulated sediment and dispose of properly.

Maintain earthen bank adjacent to the discharge pipe or headwall.

Maintain the headwall at the outfall, if applicable.

Repair/replace pipe if needed.

Town of Palm Beach Water Resources Division

Major Outfalls Weekly Inspection Checklist

Facility ID: _____

Date	Sand/debris	Barnacles	Rip Rap/Headwall/Erosion	Action Req	Action Taken	Insp
Oct/2011						
Week 1						
Week 2						
Week 3						
Week 4						
Nov/2011						
Week 1						
Week 2						
Week 3						
Week 4						
Dec/2011						
Week 1						
Week 2						
Week 3						
Week 4						
Jan/2012						
Week 1						
Week 2						
Week 3						
Week 4						
Feb/2012						
Week 1						
Week 2						
Week 3						
Week 4						

Mar/2012

Week 1

Week 2

Week 3

Week 4

Apr/2012

Week 1

Week 2

Week 3

Week 4

May/2012

Week 1

Week 2

Week 3

Week 4

Jun/2012

Week 1

Week 2

Week 3

Week 4

Jul/2012

Week 1

Week 2

Week 3

Week 4

Aug/2012

Week 1

Week 2

Week 3

Week 4

Sep/2012

Week 1

Week 2

Week 3

Week 4

Part III.A.1(d)

Pollution Control Device – Structural Control Inspection

Standard Operational/Maintenance/Documentation Protocol

There are 13 pollution control devices (PCDs) that are part of our MS4. The pollution control devices are inspected in conjunction with the pump station they serve. This information is stored in a geographic information system (GIS) map which has previously been submitted.

The purpose of PCDs is the removal of debris, sediment, oils, and/or other materials from the stormwater stream before it discharges into a receiving water body. Thus, the more material removed by these devices, the better. Frequent inspection and maintenance is the key to the proper function of these units.

Inspections:

PCDs are inspected weekly, unless historic operations indicate that a less or more frequent inspection schedule is needed for particular PCDs.

The anticipated inspection schedule follows.

D-2 weekly

D-3 weekly

D-4 weekly

D-6 weekly

D-7 weekly

D-8 weekly

D-9 weekly

D-10 weekly

D-12 weekly

D-14 weekly

D-16 weekly

D-17 weekly

Maintenance:

There are several maintenance activities that may be associated with PCDs. The appropriate activity is chosen to correspond to the reported condition. The following activities may be required:

1. Remove trash and debris from system and dispose of properly.
2. Remove accumulated vegetative matter and dispose of properly.
3. Remove accumulated sediment and dispose of properly.
4. Replace absorbent materials as required.
5. Repair damage to structure, inflow or outflow pipes.

Town of Palm Beach Water Resources Division

Pollution Control Devices Weekly Inspection Checklist

Facility ID: _____

Date	Sand/debris/trash	Condition	Action Req	Action Taken	Insp
Oct/2011					
Week 1					
Week 2					
Week 3					
Week 4					
Nov/2011					
Week 1					
Week 2					
Week 3					
Week 4					
Dec/2011					
Week 1					
Week 2					
Week 3					
Week 4					
Jan/2012					
Week 1					
Week 2					
Week 3					
Week 4					
Feb/2012					
Week 1					
Week 2					
Week 3					
Week 4					

Mar/2012

Week 1

Week 2

Week 3

Week 4

Apr/2012

Week 1

Week 2

Week 3

Week 4

May/2012

Week 1

Week 2

Week 3

Week 4

Jun/2012

Week 1

Week 2

Week 3

Week 4

Jul/2012

Week 1

Week 2

Week 3

Week 4

Aug/2012

Week 1

Week 2

Week 3

Week 4

Sep/2012

Week 1

Week 2

Week 3

Week 4

6. Part III.A.1

Stormwater Pump Station – Structural Control Inspection

Standard Operational/Maintenance/Documentation Protocol

There are 13 stormwater pump stations (SWPSs) that are part of our MS4. This information is stored in a geographic information system (GIS) map which has previously been submitted.

Inspections:

SWPSs are inspected weekly, or more frequently if historic operations indicate that it's needed for a particular SWPS

The anticipated inspection schedule follows.

D-2 weekly

D-3 weekly

D-4 weekly

D-6 weekly

D-7 weekly

D-8 weekly

D-9 weekly

D-10 weekly

D-12 weekly

D-14 weekly

D-16 weekly

D-17 weekly

Maintenance:

There are several maintenance activities that may be associated with SWPSs. The appropriate activity is chosen to correspond to the reported condition. The following activities may be required:

1. Remove trash and debris and dispose of properly.

2. Remove accumulated vegetative matter and dispose of properly.

3. Remove accumulated sediment and dispose of properly.

4. Maintain pump in accordance with pump manufacturer’s recommendations.

Town of Palm Beach Water Resources Division

Storm Water Pumping Station

Weekly Inspection Checklist

Facility ID: _____

Date	Grease/Oil	Sand/debris	Floatables	Operation	Action Req	Action Taken	Insp
Oct/2011							
Week 1							
Week 2							
Week 3							
Week 4							
Nov/2011							
Week 1							
Week 2							
Week 3							
Week 4							
Dec/2011							
Week 1							
Week 2							
Week 3							
Week 4							
Jan/2012							
Week 1							
Week 2							
Week 3							
Week 4							
Feb/2012							
Week 1							
Week 2							

Week 3

Week 4

Mar/2012

Week 1

Week 2

Week 3

Week 4

Apr/2012

Week 1

Week 2

Week 3

Week 4

May/2012

Week 1

Week 2

Week 3

Week 4

Jun/2012

Week 1

Week 2

Week 3

Week 4

Jul/2012

Week 1

Week 2

Week 3

Week 4

Aug/2012

Week 1

Week 2

Week 3

Week 4

Sep/2012

Week 1

Week 2

Week 3

Week 4

Part III.A.1(f)

Wet Detention System – Structural Control Inspection

Standard Operational/Maintenance/Documentation Protocol

There are no wet detention systems that are part of the Town MS4.

Part III.A.1(g)

Conveyance (Ditch & Canal) System – Structural Control Inspection

Standard Operational/Maintenance/Documentation Protocol

There are no ditches and/or canals that are part of the Town MS4.

Part III.A.1(h)

Dry Detention and/or Retention System – Structural Control Inspection

Standard Operational/Maintenance/Documentation Protocol

There are no dry detention systems or dry retention systems that are part of the Town MS4.

Part III.A.1(i)

Swale System – Structural Control Inspection

Standard Operational/Maintenance/Documentation Protocol

There are no swales that are part of the Town MS4.

Part III.A.3

Litter Control Program

The Town of Palm Beach does not have a formal litter control program in effect at this time. The Town has an inclusive street sweeping program which is documented within the SOPs. The majority of the rights of way within the Town extend only to the edge of pavement. Areas adjacent to the rights of way are maintained by adjacent property owners. Due to the nature and extent of private property maintenance there is no evidence to suggest that a litter control program by the Town would be cost effective or beneficial as a method of reducing pollutant discharges from the MS4.

Part III.A.3

Maintenance/Equipment Yard Practices

And Inspections

The Town owned vehicle maintenance facility is not located within the MS4. The facility is located within the City of West Palm Beach. The following are the SOP in effect.

General Housekeeping:

Spill Prevention Control and Countermeasure (SPCC) Plan up-to-date, and implemented.

Adequate stockpiles of spill cleanup materials are readily available and accessible.

Work area are kept clean and orderly.

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

Leaks, drips, and other spills are cleaned with as little water as possible. Rags are used for small spills, a

damp mop for general cleanup, and dry absorbent material for larger spills.

The following three-step method is used 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:

Vehicle refueling is not done on-site.

Vehicle/Equipment Washing:

Off-site washing and cleaning facilities are used for vehicle cleaning.

Vehicle/Equipment Repair:

Vehicle maintenance and repair activities are located indoors.

If temporary work is being conducted outside, a tarp, ground cloth, or drip pans beneath the vehicle or equipment is used 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:

Materials and wastes are stored under cover or within covered containers.

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 the Town of Palm Beach Equipment Yard/Vehicle Maintenance Facility on a monthly 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 ☐

Part III.A.5

Municipal Waste TSD Facility Procedures

The Town of Palm Beach operates a waste transfer facility located on Pinewalk Trail. No other waste transfer facilities are located within the MS4.

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 monthly, using the attached inspection form.

Part III.A.7.c

Proactive Illicit Discharge Inspections

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 your MS4.

- Portions of the MS4 that have a reasonable potential of containing illicit discharges/connections/dumping are inspected. The FDEP has indicated that this should be considered to be the commercial and industrial zoned areas/properties within your MS4 contributing area. Commercial zoned areas within the Town consist primarily of restaurant and retail facilities. There is no industrial zoning within the Town.
- FDEP allows these inspections to be combined with other inspection programs, but the inspections must include specific inspection for potential stormwater contamination.

Proactive Inspections Written Program Components

1. Procedure and Criteria for identifying priority areas/facilities
2. List of identified priority areas/facilities
3. Annual schedule for inspections
4. Procedure for conducting site inspections (include checking for MSGP)
5. Procedure for tracing source of discovered or suspected illicit discharge
6. Procedure for eliminating the discharge
7. Procedure for documenting the inspections and enforcement activities (See form)
8. Procedures for enforcement actions (or referrals to appropriate jurisdictional authority)
9. Identification of staff /department/outside entity responsible for inspections and for enforcement
10. Description of resources allocated to implement this permit element

Proactive Inspection Program

1. **Procedure and Criteria for identifying priority areas/facilities**

   Within the Town priority areas for inspection should include:

   - Areas with older infrastructure
   - Commercial, or mixed use areas
   - Areas with history of past illicit discharges and/or illegal dumping
   - Areas with on-site sewage disposal systems (no on-site sewage disposal within Town)
   - Areas upstream of sensitive or impaired water bodies (no impaired water bodies)

   The attached map depicts the extent of our MS4 contributing area; areas zoned as industrial, commercial or mixed use; areas with on-site septic systems; and, currently identified impaired water body segments. Facilities that have been identified as the source of illicit discharges in the past are also noted on the map. "Older infrastructure" is not indicative of an increased potential to contain incidences of illicit discharges/connections/dumping.

2. **List of identified priority areas/facilities**

   A list (or, An attached map) of the priority proactive inspection area/facilities follows. Priority facilities are checked against the list of facility types associated with the FDEP MSGP Sectors (see attached list) to determine their need to be covered by a MSGP.

3. **Annual schedule for inspections**

   All areas/facilities will be inspected at least once within the current permit term. If a facility or area is discovered to have illicit discharges/connections/dumping, it will be placed on the schedule for re-inspection the following year. Initial inspections will take place prior to the end of September 2012.

4. **Procedure for conducting site inspections (include checking for MSGP)**

   Priority Facility inspections: For proactive facility inspections, the trained inspector conducts an unannounced visit to the facility. A standardized inspection form is used (see attached).

   Priority Area inspections: For general areas that have been designated to have a reasonable potential of containing illicit discharges/connections/dumping, a drive-around procedure is followed. The trained inspector(s) patrols the prioritized area searching for indications of illicit discharges/connections/dumping. If any are identified,

the inspector either stops to do a Facility Inspection, a reactive investigation, or completes a work order form for the appropriate personnel to complete the investigation.

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

   Illicit discharge inspections shall be conducted by trained Town of Palm Beach Public Works staff, including staff from the Water Resources Division and Engineering Division.

Part III.A.7.c

Reactive Illicit Discharge 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 illicits that are reported by others.

Reactive Investigation Written Program Components

Procedure for tracing source of discovered or suspected illicit discharge
Procedure for eliminating the discharge
Procedure for documenting the inspections and enforcement activities
(See form)
Procedures for enforcement actions (or referrals to appropriate jurisdictional authority)
Identification of staff /department/outside entity responsible for inspections and for enforcement
Description of resources allocated to implement this permit element

Reactive Inspection Program

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: _____

Reactive Illicit Discharge/Illegal Connection Inspection Form

Date of Inspection: _____

Address of Facility OR General Description of Area Inspected: _____

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

If Facility inspection, does type of business require an MSGP? Yes___ No___

If yes, does this facility have one? Yes___ No___

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 elimination: _____

Date of Referral to FDEP of facility that may require MSGP: _____

Part III.A.7.c

Illicit Discharge Training Plan

Part III.A.7.d

Spill Prevention & Response Procedures

Following are the Town of Palm Beach procedures for preventing and responding to spills within our jurisdictional area.

Procedure

1. Based on training received, the initial responder identifies whether or not the spill requires that a call be made to a supervisor or the Fire Department. In either case immediately follow any instructions given.
2. If appropriate, take steps to contain the spill in order to eliminate or minimize the possibility of the spilled substance entering the storm sewer system. If hazardous materials are suspected do not approach the spilled material. Prevent others from approaching the spill area until qualified personel arrive on-site.
3. If within your authority, clean up the spill. Rely on training to determine the appropriate method for spill clean-up.
4. Follow up with documentation on any spill incident.

Documentation

Spills and the follow-up responses are documented in the Town of Palm Breach spill response log.

Part III.A.7.d

Spill Prevention & Response Training Plan

Following is the Town of Palm Beach plan for training the appropriate personnel in preventing and responding to spills within our jurisdictional area.

The following personnel shall receive annual training:

Public Works Water Resources Division staff

Public Works Streets Bureau staff

Public Works Engineering Division staff

Topics

The information covered by the training includes:

- Practices to prevent spills
- How to recognize & assess the nature of a spill
- How to contain a spill

How to report a spill that is hazardous, too large to manage, or threatens a water body

Method

The training is presented via EXCAL or other approved employee training videos. The primary videos for spill prevention & response are “Spills & Skills” and “Controlling Oil: Spill Prevention, Control & Countermeasure.” Training videos shall be presented at the place of employment. In addition employees make take advantage of training provided by the MS4 Steering Committee on an annual basis. A question and answer period follows the training video.

Schedule

The training is presented annually.

Training Documentation

Attendance at the training session is documented by sign-in sheets.

Part III.A.8

High Risk Facilities Inspection Program

Section III.A.8.a – Industrial and High Risk Runoff – Identification of Priorities and Procedures for Inspection

This permit element requires a written plan for **conducting inspections of high risk facilities** to determine compliance with all appropriate aspects of the stormwater program.

High Risk facilities have been defined as:

- Operating municipal landfills
- Hazardous waste treatment, storage, disposal and recovery facilities
- Facilities that are subject to EPCRS Title III, Section 313 (Toxics Release Inventory)
- 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.

- Based on EPA data there are seven (7) high risk facilities located within the Town of Palm Beach MS4. Sites
- identified are:
- 1. Breakers Golf Course, 1 South County Road, Palm Beach, FL
- 2. BP Oil Company, 340 S. County Road, Palm Beach, FL
- 3. Mar A Lago Club, 1100 South Ocean Blvd. Palm Beach FL
- 4. Ocean Grand Hotel, 2800 South Ocean Blvd. Palm Beach FL
- 5. Palm Beach County Public Elementary, 239 Cocoanut Row, Palm Beach, FL
- 6. Ray Friedman Tarpon Isle, Palm Beach, FL
- 7. Testa's Restaurant, 221 Royal Poinciana Blvd. Palm Beach, FL

High Risk Facility Written Program Components

An up-to-date inventory that includes the outfall location of each high risk facility and the surface water body into which the facility discharges
Procedure for prioritizing the inventory for inspection
Procedure for conducting site inspections (include checking for MSGP)
Procedure for addressing non-compliant discharges
Procedure for documenting the inspections and enforcement activities
(See form)

Identification of staff /department/outside entity responsible for inspections and for enforcement
Schedule for the training of inspectors
Description of resources allocated to implement this permit element

High Risk Facility Inventory and Inspection Program (Written Procedures)

6. An up-to-date inventory

The inventory is updated as follows:

- Municipal landfills are located using the Palm Beach County Solid Waste Authority website (www.swa.org).
- Hazardous Waste TSDR facilities are located using the EPA's envirofacts website (www.epa.gov/enviro/).
- Facilities subject to EPCRA Title III, Section 313 are located using EPA's Toxic Release Inventory (www.epa.gov/tri).
- Additional facilities are added as deemed appropriate during the proactive inspections for illicit discharges.

The inventory includes the following information about each facility:

Name

Address

Latitude/Longitude (optional)

Source of listing

Type (landfill, HWTSDR, TRI sites, other)

Priority

The inventory is updated annually.

7. Procedure Prioritizing Facilities

Facilities that have had recent reported releases or that were added to the high risk facility inventory as a result of a pro-active inspection for illicit discharges are given top priority (Priority = 1). Facilities that are in the will be given secondary priority (Priority = 2).

8. Procedure for conducting site inspections (include checking for MSGP)

All High Risk facilities are inspected once within the Permit Term. Inspection forms (see attached) are generated for the facilities to be inspected. Information available ahead of time is filled in before going into the field. At this time the facilities to be

inspected are compared to the list of business types that require an MSGP. If a facility appears to be required to have coverage under an MSGP, it is noted on the inspection form and will be checked at the facility at the time of the inspection.

The inspector conducts an unannounced visit to the facility. A standardized inspection form is used to determine any stormwater non-compliance issue.

9. **Procedures for enforcement actions (or referrals to appropriate jurisdictional authority)**
   The …

10. **Procedure for documenting the inspections and enforcement activities**
    (See Inspection Form)

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

    The following staff members are responsible for the high risk facility inspections and enforcement activity.

Name	Department
Doug Terry	PW Water Resources Division
Martin Gauthier	PW Engineering Division

12. **Schedule for Training Inspectors**

    Annual training is provided for individuals whose job responsibility it is to conduct high risk facility inspections. The training is concurrent with the training for the Pro-active illicit discharge inspection program.

High Risk Facility Inspection Form

Date of Inspection: _____

Name of Business or Owner:

_____

Address of Facility:

_____

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

_____

Does type of business require an MSGP? Yes___ No___

If yes, does this facility have one? Yes___ No___

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 elimination: _____

Date of Referral to FDEP of facility that may require MSGP: _____

Part III.A.9b

Construction Site Inspection Plan and Inspection Form

Construction site inspections are conducted for land-disturbing projects which have the potential to discharge stormwater runoff into our MS4.

Timing

Construction site inspections are conducted:

- Before the start of construction, after the placement of temporary BMPs
- During construction (one or more inspections, based on the project's potential for discharge to our MS4)
- At the end of the construction

Site Priority

All construction sites are considered priority if they have the potential to discharge into water bodies or our MS4. Sites will be inspected with a frequency deemed appropriate during the site plan review process and with consideration to rainfall events. In addition, any sites where compliance is a concern, will be inspected more frequently.

Inspection Procedure

Inspections are the responsibility of Public Works Department and are conducted using the attached construction site inspection form. The intent of the inspection is to verify that BMPs are performing and to document the inspections. All completed inspection forms are kept on file at the Public Works Department, 951 Old Okeechobee Road, West Palm Beach, Fl 33401.

Enforcement

Instances of non-compliance will be handled with successively more rigorous enforcement measures.

1. Notice of Violation with time frame for compliance. Issued by construction site inspector.
2. Fines will be levied as authorized in “Standards Applicable to Public Works Right of Way and Easements within the Town of Palm Beach, Latest Revision” (the Right of Way Manual).
3. Stop work order. Issued by directive of Department Director, Public Works Department.

Construction Site Inspection Form

Date of Inspection: _____

Address: _____

Lat/Long of discharge point: _____ Receiving water body: _____

Project owner: ☐ Private _____

☐ Town of Palm Beach

YES	*NO*	*N/A*	
☐	☐	☐	Erosion & Sedimentation Controls are installed as shown on plan.
☐	☐	☐	Erosion is being controlled on site.
☐	☐	☐	Sedimentation is being contained on site.

☐ ☐ ☐ No indication of sedimentation leaving the site.

☐ ☐ ☐ SWPP & completed inspection forms are on site & available.

☐ ☐ ☐ Prior non-compliance issues have been addressed.

☐ ☐ ☐ All other sources of pollution are being controlled.

Comments:

_____

_____

_____

_____

_____

_____

Part III.A.9ba

Site Plan Review Procedures

Site Plan Reviews are required for all projects for which a site work permit is issued within the Town of Palm Beach.

Application packages for building/site work permits include notification presenting the need for obtaining an *Environmental Resource Permit* (ERP) and/or coverage under the *NPDES Generic Permit for Stormwater Discharge from Large and Small Construction Activities* (CGP) where required.

Site Plan Reviews are typically conducted upon application to the Town of Palm Beach Building Department for a building permit or site work permit. Personnel in the Public Works Engineering Division conduct the reviews. Current local criteria are used as the guideline for review of the temporary and permanent stormwater treatment practices that are being proposed by the site plan.

Applicants for a building permit or site work permit are advised that coverage under the Construction Generic Permit may be required when applicable. Applicants are further advised that permission/a permit/authorization to perform clearing, grading or construction activities will not be granted until proof of a SFWMD or FDEP ERP and/or coverage under the CGP is provided, if applicable.

The following checklist is used when performing site plan reviews:

YES	*NO*	*N/A*	
☐	☐	☐	Proposed work requires coverage under CGP.

☐ ☐ ☐ Proposed work appears to require an ERP.

☐ ☐ ☐ Proposed temporary stormwater sedimentation & erosion control BMPs meet Town Criteria.

☐ ☐ ☐ Proposed permanent stormwater BMPs meet Town Criteria

☐ ☐ ☐ Copy of confirmed coverage under CGP provided.

☐ ☐ ☐ Copy of ERP provided.

Roadway Maintenance Practices

To Reduce Pollutants

Roadway repairs and maintenance may take place anywhere throughout the Town'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.

APPENDIX 2 - Relevant Town Code with Ordinances

Sec. 1.02. - Powers of the Town.

The Town of Palm Beach shall have all powers of local self-government and home rule and all powers possible for a municipality to have under the Constitution and laws of the State of Florida including, without limitation, all extraterritorial powers heretofore or hereafter granted or extended, as fully and completely as though they were specifically enumerated in this Charter. The powers of the Town under this Charter shall be construed liberally in favor of the Town and the specific mention of particular powers in this Charter shall not be construed as limiting in any way the general powers granted in this Article. Such powers may be exercised to the full extent permitted by law.

(Ord. No. 18-99, § 1, 12-14-99)

State law reference— *General grant of home rule powers, Fla. Const., Art. VIII, § 2(b); F.S. § 166.021.*

Sec. 7.01. - Annual Budget.

The annual budget of the Town may be adopted by ordinance or by resolution, as determined by the Town Council. However, budget amendments adopted subsequent to the annual budget shall be adopted only by ordinance.

(Ord. No. 18-99, § 1, 12-14-99)

Sec. 7.02. - Authority to Borrow; Validation of Bonds.

The Town shall have full and complete power and authority, including all power and authority now existing, or hereafter granted, by general, local or special law or provisions of the former Town Charter, as amended, to borrow money, contract loans, and issue bonds, time warrants, and certificates of indebtedness from time to time, to finance the undertaking of any municipal or public project for the purposes

permitted by the State Constitution, and may pledge the funds, full faith and credit, property and taxing power of the Town for the payment of such debts and bonds; subject, however, to the mandatory requirement that the total indebtedness of the Town shall never exceed an amount equal to five (5) percent of the total assessed value of the taxable property within the corporate limits of the Town, and provided further, that no bonds shall ever be issued nor indebtedness incurred pledging the full faith and credit of the Town until the question of issuing the same shall have been decided in favor thereof at an election held for that purpose in the manner now or hereafter provided by the Constitution and Laws of Florida and this Charter.

(Ord. No. 18-99, § 1, 12-14-99)

Sec. 30-114. - Drainage.

(a)

Adopted level of service. Drainage level of service is as specified in the town's adopted comprehensive plan.

(b)

Management procedures. Drainage plans and calculations shall be submitted by applicants in conjunction with all commercial and residential development and redevelopment, which shall demonstrate, and the town engineer shall confirm that:

(1)

The impact on the drainage system will not lower the level of service;

(2)

The drainage problem area is scheduled and contracted for improvement in the town's capital improvement program;

(3)

The developer will upgrade the drainage system to meet the level of service; or

(4)

The first two inches of rainfall will be retained on site prior to discharge into the town system or post-development runoff will not exceed predevelopment runoff, whichever is greater, thereby preventing additional degradation of the system.

(**5)**

The engineered storm water management system designed in accordance with the town's adopted level of service, as contained herein, contains sufficient provisions to retain storm water and prevent soil erosion into the roadway or adjacent properties throughout construction.

(6)

Retention walls, when required, will be constructed prior to the stem wall foundation pour, or at a similar point in the construction process.

(Code 1982, § 6.5-19(d); Ord. No. 15-01, § 4, 9-11-01; Ord. No. 21-02, § 5, 11-12-02; Ord. No. 16-10, § 7, 7-13-10)

Cross reference— *Floods, ch. 50; stormwater management, § 86-86 et seq.*

Sec. 42-2. - Polluting Lake Worth.

It shall be unlawful to place yard trash, household garbage, offensive matter, dead animals, fish, other offal, or refuse of any kind in Lake Worth.

(Code 1982, § 9-5)

Sec. 42-3. - Polluting of public streets, rights-of-way or public properties.

It shall be unlawful to discard, place or throw foodstuffs, seed, garbage or organic materials of any kind onto the public streets, rights-of-way or public properties of the town except in a manner authorized by the town for feral cat feed programs.

(Ord. No. 12-06, § 1, 10-10-06)

Sec. 42-4. - Penalties.

Any person found to be in violation of this article shall, upon conviction, be punished pursuant to section 1-14 of the Town's Code of Ordinances. Additionally, a violation of any provision of this article may be referred to the town's code enforcement board.

(Ord. No. 12-06, § 2, 10-10-06)

Sec. 42-38. - Obstructing, interfering with drainage; water pollution generally.

It shall be unlawful for the owner or occupant of any real estate in the town to refuse or delay, after notice from a duly authorized town officer, to clean and keep in good condition any portion of a ditch or drain in the town that underlies a crossing over such ditch or drain, maintained for use in connection with the occupation of the property, or to refuse to keep such crossing in good repair; or for any person to impair the drainage capacity of any ditch or drain within the town limits; or to deposit in any public

stream, spring, well or fountain of the town any foul, unclean or poisonous substance or any substance calculated to endanger the health of any person or animal drinking water at such stream, spring, well or fountain.

(Code 1982, § 9-4)

Sec. 42-40. - Code enforcement board remedies.

In addition to procedures set forth in this article, violation of any of the provisions of this article may be referred to the town's code enforcement board. Penalties shall thereafter be defined as stated in the code enforcement board provisions, sections 2-401 et seq.

(Code 1982, § 12-23)

Sec. 42-86. - Prohibited.

It shall be unlawful and shall constitute a nuisance for any owner of land within the town to have or permit thereon any:

(13)

The pollution of any public well or cistern, stream, lake, canal, or body of water by sewage, dead animals, commercial wastes, or other substances.

(Ord. No. 19-00, § 2, 8-8-00; Ord. No. 32-2011, § 1, 1-10-12)

Sec. 86-87. - Purpose and intent.

This article is intended to protect, maintain and enhance both the immediate and the long-term health, safety and general welfare of the citizens of the town by protecting and maintaining the chemical, physical and biological integrity of groundwaters and surface waters through:

(1)

Preventing activities that adversely affect groundwaters and surface waters;

(2)

Minimizing runoff pollution to groundwater and surface waters; and

(3)

Minimizing erosion and sedimentation of receiving waters.

(Code 1982, § 11.5-61)

Sec. 86-88. - General provisions.

In addition to meeting the requirements of this article, the design and performance of all stormwater management systems shall comply with applicable federal and state regulations and requirements of the South Florida Water Management District. In all cases, the strictest of the applicable standards shall apply.

(Code 1982, § 11.5-62)

Sec. 86-90. - Standards.

(a)

The proposed development and development activity shall not violate the water quality standards as set forth

in F.A.C. rule 17-3.

(b)

The design and construction of the proposed stormwater management system will be reviewed to ensure that they do not violate guidelines incorporated in the public works department engineering standards, and will be certified as meeting the requirements of this Code by the town engineer.

(c)

No surface water shall be channeled or directed into the sanitary sewer system. This includes roof drains, yard drains, basement drains, sumps, leaders and gutters and swimming pools.

(d)

The proposed stormwater management system shall be compatible with the drainage systems or drainage ways on surrounding properties or streets.

(e)

Stormwater systems shall be designed to meet the town's adopted level of service for drainage pursuant to the town's most recently adopted edition of the town's comprehensive plan, infrastructure element, drainage.

(f)

All stormwater must run over permeable surfaces prior to discharge into the town drainage systems.

(g)

All stormwater management systems shall use soil erosion control techniques during construction, as

described in section 66-441 et seq.

(h)

In phased developments, the stormwater management system for each integrated stage of completion shall be capable of functioning independently.

(i)

The characteristics of stormwater conveyed from the site should meet the public works department engineering standards, or approximate the rate, volume, quality and timing that occurred on the site under conditions preceding the proposed development, whichever is more stringent.

(j)

Reserved.

(k)

A stormwater management agreement, including a certified copy of the approved as-built storm drainage plans as prepared by a certified professional land surveyor, and, if applicable, a letter from an engineer registered in the state stating that any underground storm water improvements have been constructed substantially in compliance with the approved stormwater management plan, shall be recorded in the public records of the county prior to issuance of a certificate of occupancy and shall constitute notice to any subsequent purchasers, successors in interest, or assigns of the approved storm water management plan applicable to the property. All modifications to property which may alter the drainage plan must be approved by the town engineer and revised as-built storm drainage

plans recorded in the public records of the county if required.

(Code 1982, § 11.5-64; Ord. No. 15-01, § 7, 9-11-01; Ord. No. 21-02, § 11, 11-12-02; Ord. No. 31-10, § 1, 1-11-11)

Sec. 86-91. - Stormwater management plan.

(a)

A stormwater management plan shall be submitted at the time of application to the town council, architectural commission, landmark preservation commission or at the time of submission for building permits as applicable for all projects involving commercial or residential development or redevelopment, which exceed the threshold requirements contained in section 86-95. The stormwater management plan shall contain sufficient information to allow the town engineer to determine whether the proposed development meets the requirements of this section. Properties with site-specific conditions which prevent conformance to the requirements of this article may be exempted from certain of the requirements of this article upon approval by the town engineer if deemed appropriate.

(b)

The following specific information shall be submitted:

(1)

Topographic map of the site clearly showing the location, identification and elevation of benchmarks. The contour interval of the topographic map shall not be greater than one foot.

(2)

An overall project area map showing existing hydrography and runoff patterns, and the size, location, topography, and land use of any off-site areas that drain onto, through or from the project area.

(3)

A map of vegetative cover if wetlands or other specially protected vegetation is present.

(4)

A map showing the locations of any soil borings or percolation tests. Percolation tests representative of design conditions shall be performed if the stormwater management system will use swales, percolation (retention), or exfiltration (detention with filtration) designs.

(5)

Grading plans specifically describing the interface of the proposed development with abutting properties.

(6)

Paving, road and building plan showing the location, dimensions and specifications of roads and buildings (including ground or finished floor elevations).

(7)

An erosion and sedimentation control plan that describes the type and location of control measures, the stage of development at which

they will be put into place or used, and maintenance provisions.

(8)

Any other requirements deemed by the town engineer to be necessary due to unique site or design conditions.

(Code 1982, § 11.5-65; Ord. No. 15-01, § 8, 9-11-01; Ord. No. 21-02, § 12, 11-12-02)

Sec. 86-92. - Compliance.

(a)

A stormwater management agreement shall be recorded in the public records of the county prior to issuance of a certificate of occupancy or certificate of completion, which shall include the following:

(1)

A certified copy of the approved record drawings of storm drainage plans as prepared by a certified professional land surveyor;

(2)

A letter from a professional engineer registered in the state stating that any underground storm water improvements have been constructed substantially in compliance with the approved storm water management plan; and

(3)

A statement signed by the owner acknowledging

that the owner is responsible for the proper maintenance and operation of the storm drainage system as shown on the recorded stormwater management plan.

The recorded stormwater management agreement shall constitute notice to any subsequent purchasers, successors in interest, or assigns of the approved storm water management plan applicable to the property. All subsequent modifications to property which may alter the drainage plan must be approved by the town engineer and if so required, revised record drawings recorded in the public records of the county.

(b)

The property owner will be required to submit a certification to the town from a professional engineer registered in the state every five years commencing from the date of recordation of the stormwater management agreement that stormwater management improvements as recorded in the stormwater management plan continue to be in compliance with the approved plan. Any person found guilty of violation of this article shall be subject to the code enforcement provisions set forth in chapter 2, article V of this Code.

(Ord. No. 21-02, § 15, 11-12-02)

Sec. 86-93. - Stormwater management system requirements.

A description of the proposed stormwater management system shall be provided to include the following information:

(1)

Channel, direction, flow rate and volume of stormwater that will be conveyed from the site, with a comparison to natural or existing conditions.

(2)

Detention and retention areas, including plans for the discharge of contained waters, maintenance plans and predictions of surface water quality changes.

(3)

Areas of the site to be used or reserved for percolation.

(4)

Location of all water bodies to be included in the surface water management system (natural and artificial) with details of hydrography, side slopes, depths, and water-surface elevations or hydrographs.

(5)

Any off-site rights-of-way required for the proper functioning of the system.

(6)

Drainage basin or watershed boundaries identifying locations of routes of off-site water onto, through or around the project.

(7)

Rights-of-way and easements for the system, including locations and a statement of the nature

of the reservation of all areas to be reserved as part of the stormwater management system.

(8)

The entity or agency responsible for the operation of the stormwater management system.

(Code 1982, § 11.5-66; Ord. No. 21-02, § 14, 11-12-02)

(Ord. No. 21-02, § 16, 11-12-02)

Sec. 122-153. - Illicit discharges.

(a)

Prohibitions. Except as set forth under subsection (b) of this section or as in accordance with a valid National Pollutant Discharge Elimination System (NPDES) permit, any discharge to the stormwater system that is not composed entirely of stormwater is prohibited. Further, any discharge to the stormwater system containing any sewage, industrial waste or other waste materials, or containing any materials in violation of federal, state, county, municipal or other laws, rules, regulations, orders or permits is prohibited.

(c)

Illicit connections. No person may maintain, use or establish any direct or indirect connection to the stormwater system that results in any discharge in violation of this article. This prohibition is retroactive and applies to connections made in the past, regardless of whether made under a permit, or other authorization, or

whether permissible under the laws or practices applicable or prevailing at the time the connection was made.

(d)

Administrative order. The director may issue an order to any person to immediately cease any discharge, or any connection to the stormwater system, determined by the director to be in violation of any provision of this article, or in violation of any regulation or permit issued hereunder.

(f)

Notification of spills. As soon as any person has knowledge of any discharge to the stormwater system in violation of this article, such person shall immediately notify the director by telephoning (407-838-5440); and if such person is directly or indirectly responsible for such discharge, he shall also take immediate action to ensure the containment and clean up of such discharge and shall confirm such telephone notification in writing to the director at Post Office Box 2029, Palm Beach, FL 33480, within three calendar days.

(Code 1982, § 11.5-93)

Sec. 122-154. - Inspections and monitoring.

(a)

Authority for inspections. Whenever necessary to make an inspection to enforce any of the provisions of this article, or regulation or permit issued hereunder, or whenever an authorized official has reasonable cause to believe there exists any condition constituting a

violation of any of the provisions of this article, or regulation or permit issued hereunder, any authorized official may enter any property, building or facility at any reasonable time to inspect the same or to perform any duty related to the enforcement of the provisions of this article or any regulations or permits issued hereunder; provided that if such property, building or facility is occupied, such authorized official shall first present proper credentials and request permission to enter, and if such property, building or facility is unoccupied, such authorized official shall make a reasonable effort to locate the owner or other person having charge or control of the property, building or facility, and shall request permission to enter. Any request for permission to enter made hereunder shall state that the owner or person in control has the right to refuse entry, and that if entry is refused, the authorized official may enter to make inspection only upon issuance of a search warrant by a duly authorized magistrate. If the owner or person in control refuses permission to enter after such request has been made, the authorized official is hereby authorized to seek assistance from any court of competent jurisdiction in obtaining entry. Routine or areawide inspections shall be based upon such reasonable selection processes as may be necessary to carry out the purposes of this article, including but not limited to random sampling and sampling in areas with evidence of stormwater contamination, nonstormwater discharges or similar factors.

(b)

Authority for monitoring and sampling. Any authorized official may establish on any property such devices as are necessary to conduct sampling or metering of discharges to the stormwater system. During any

inspections made to enforce the provisions of this article, or regulations or permits issued hereunder, any authorized official may take any samples deemed necessary.

(c)

Requirements for monitoring. The director may require any person engaging in any activity or owning any property, building or facility (including but not limited to a site of industrial activity) to undertake such reasonable monitoring of any discharge to the stormwater system and to furnish periodic reports.

(Code 1982, § 11.5-94)

Sec. 122-155. - Enforcement.

(a)

Injunctive relief. Any violation of any provision of this article, or of any regulation or order issued hereunder, shall be subject to injunctive relief if necessary to protect the public health, safety or general welfare.

(b)

Continuing violation. A person shall be deemed guilty of a separate violation for each day during any continuing violation of any provision of this article, or of any regulation or permit issued hereunder.

(c)

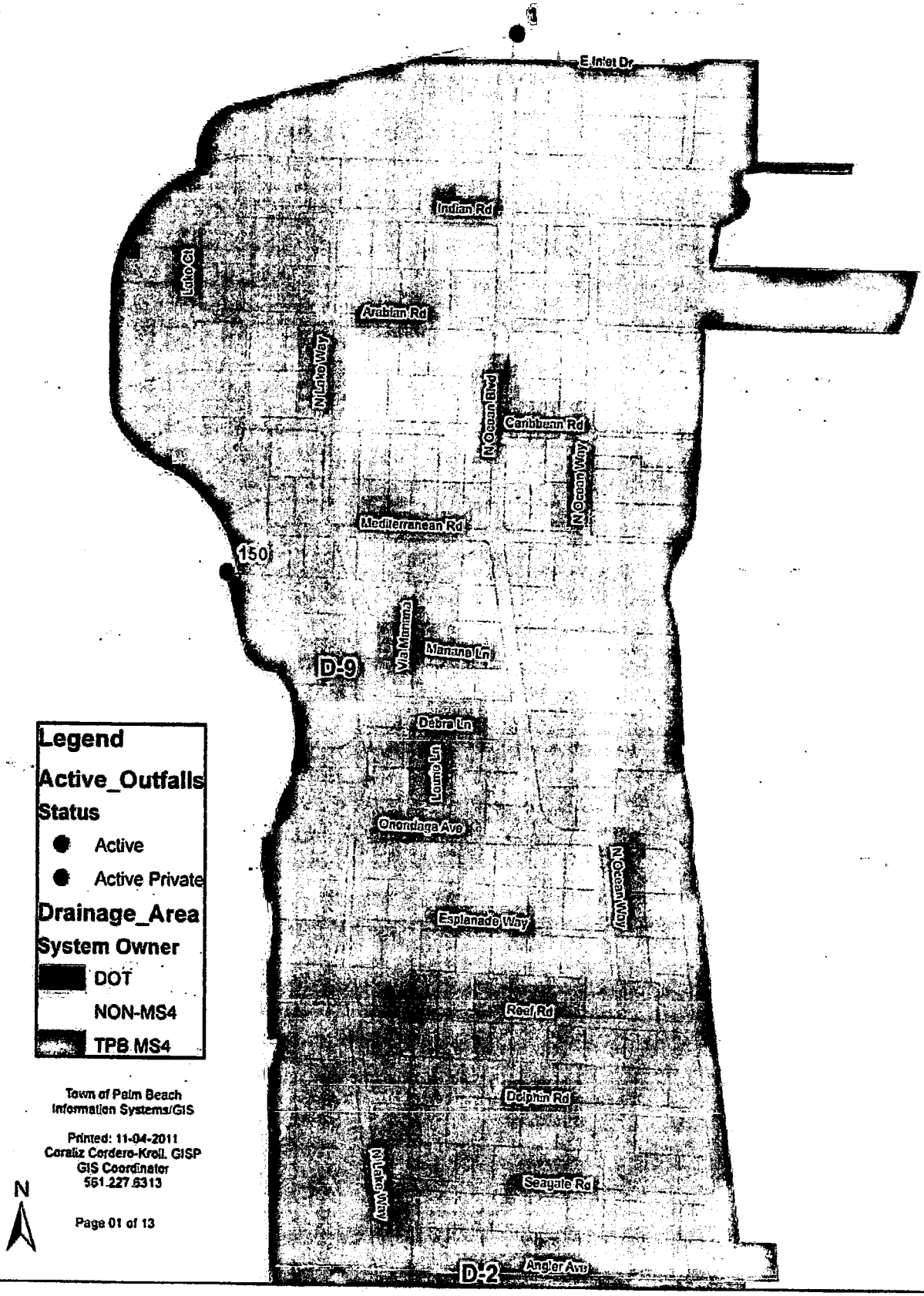
Enforcement actions. The director may take all actions necessary, including the issuance of notices and violations, the filing of court actions, and/or referral of the matter to the code enforcement board, to require

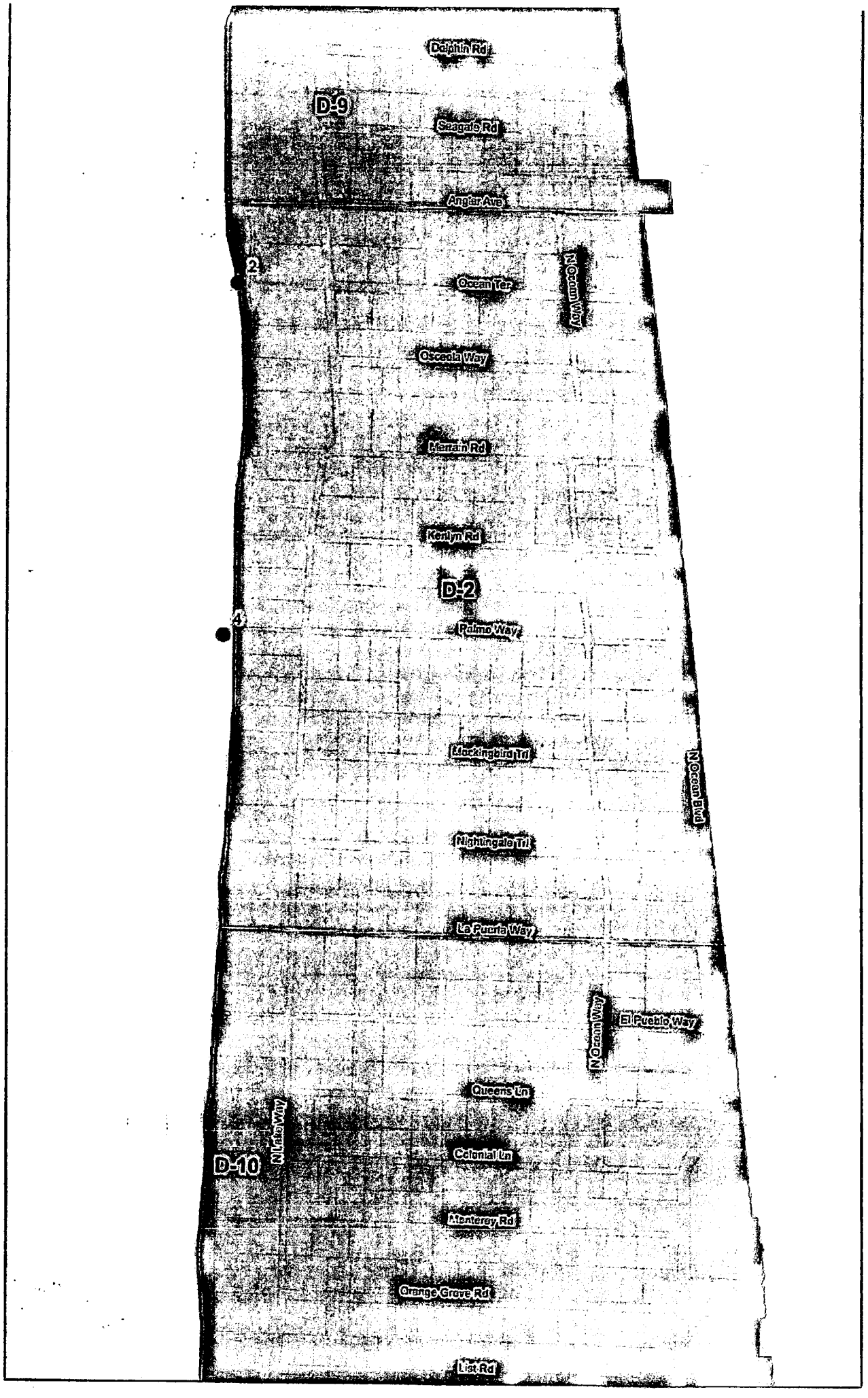
and enforce compliance with the provisions of this article and with any regulation or permit issued hereunder.

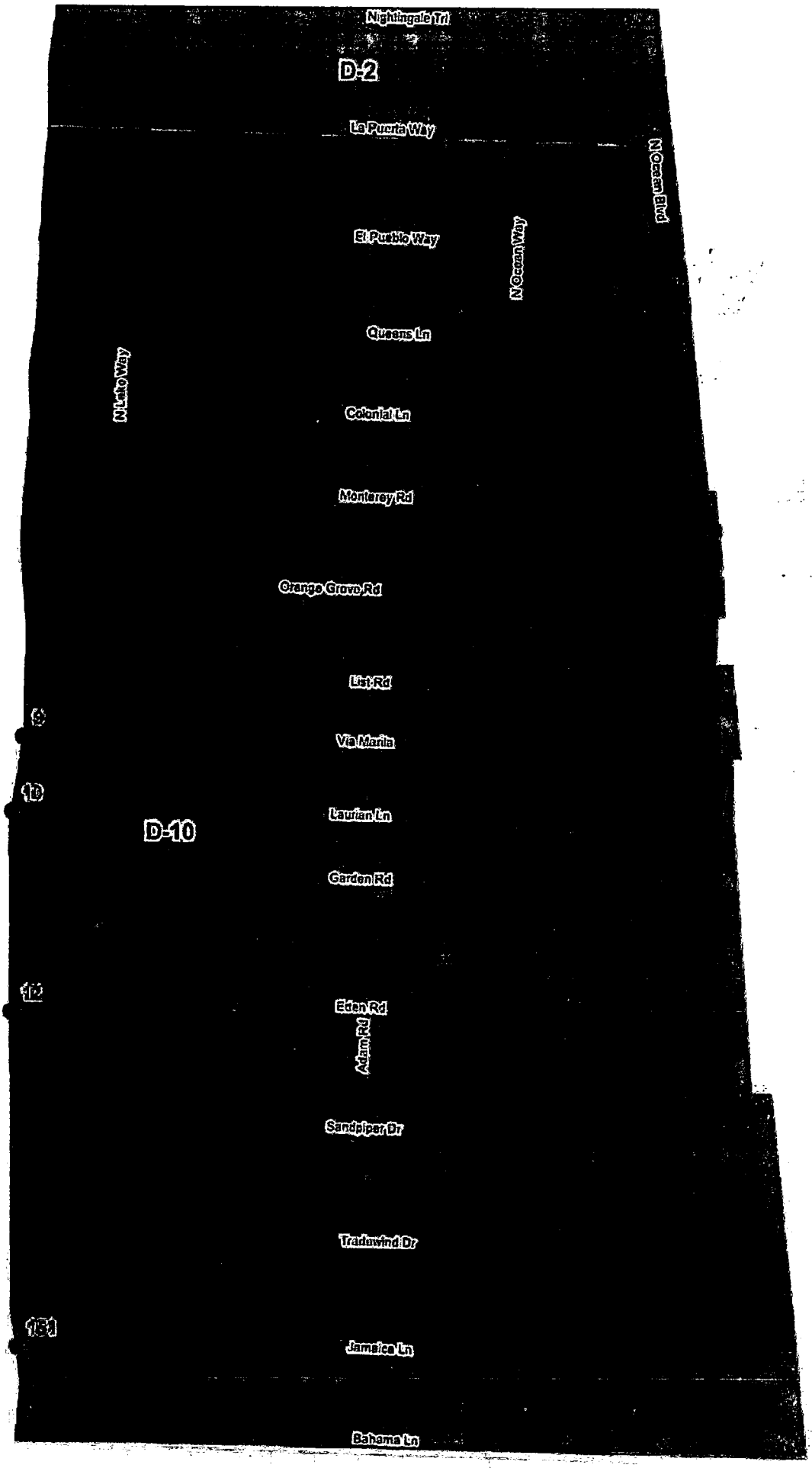
(Code 1982, § 11.5-95)

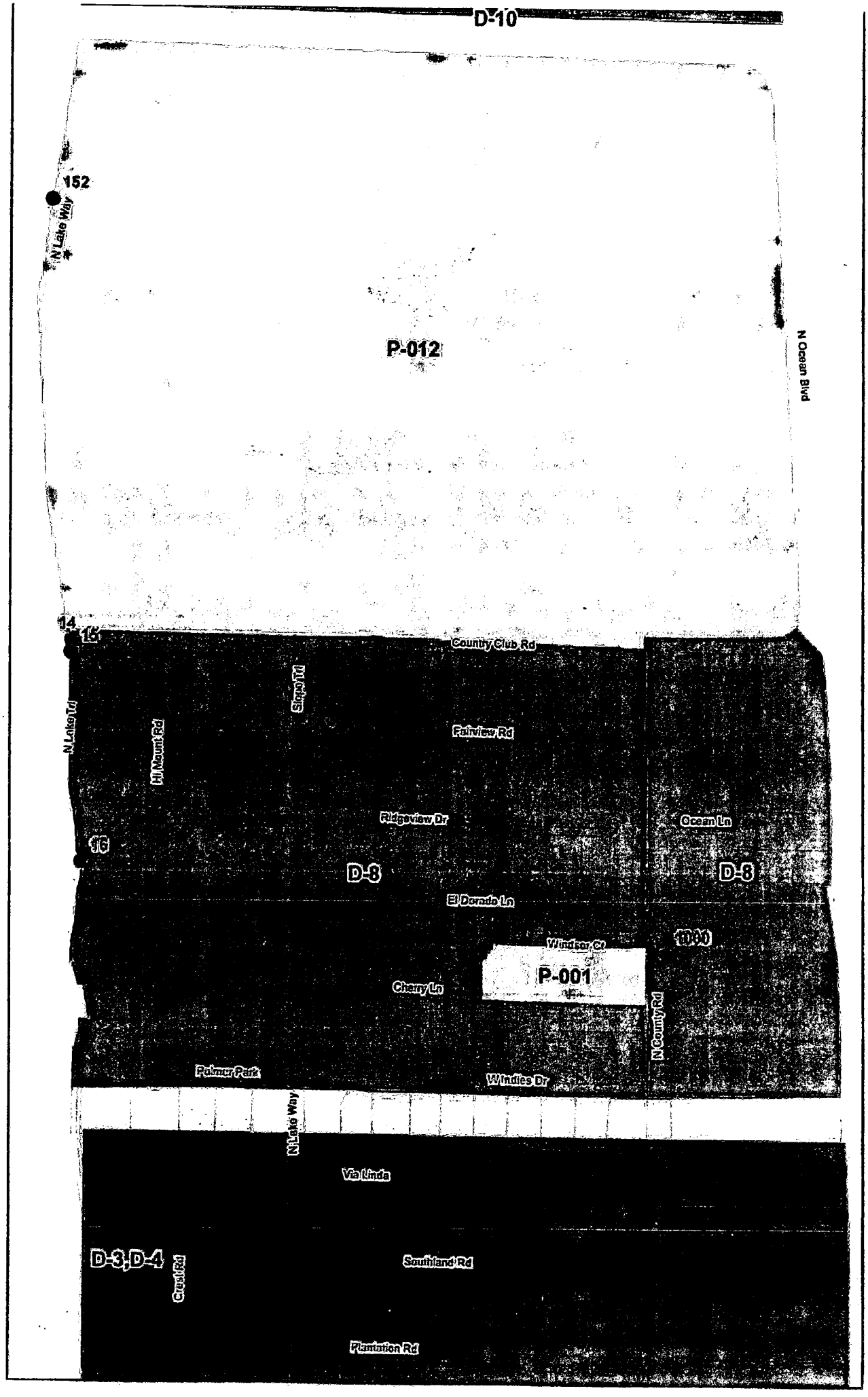
Appendix 3 – Outfall Map

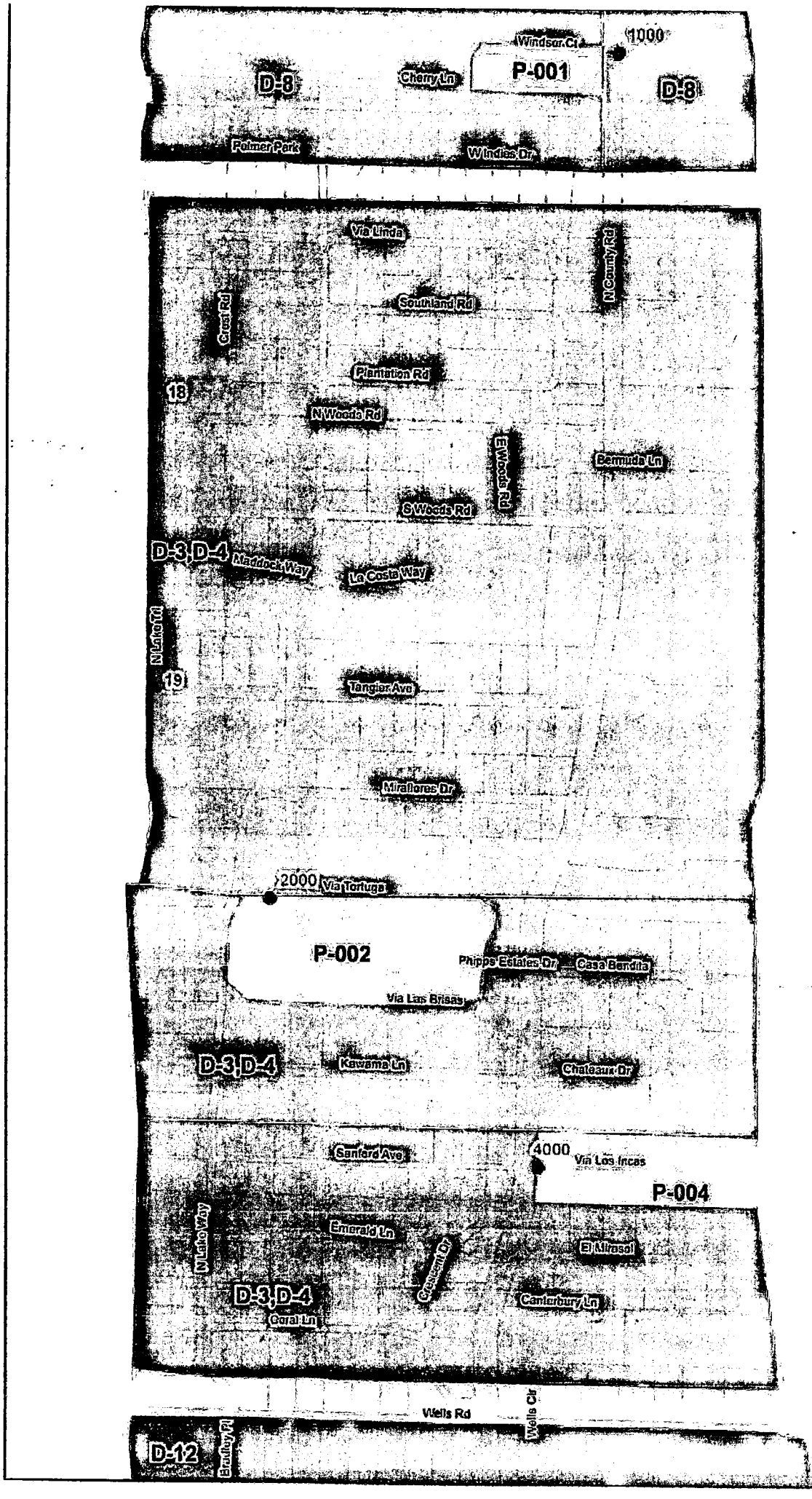
Active Outfalls and Drainage Areas

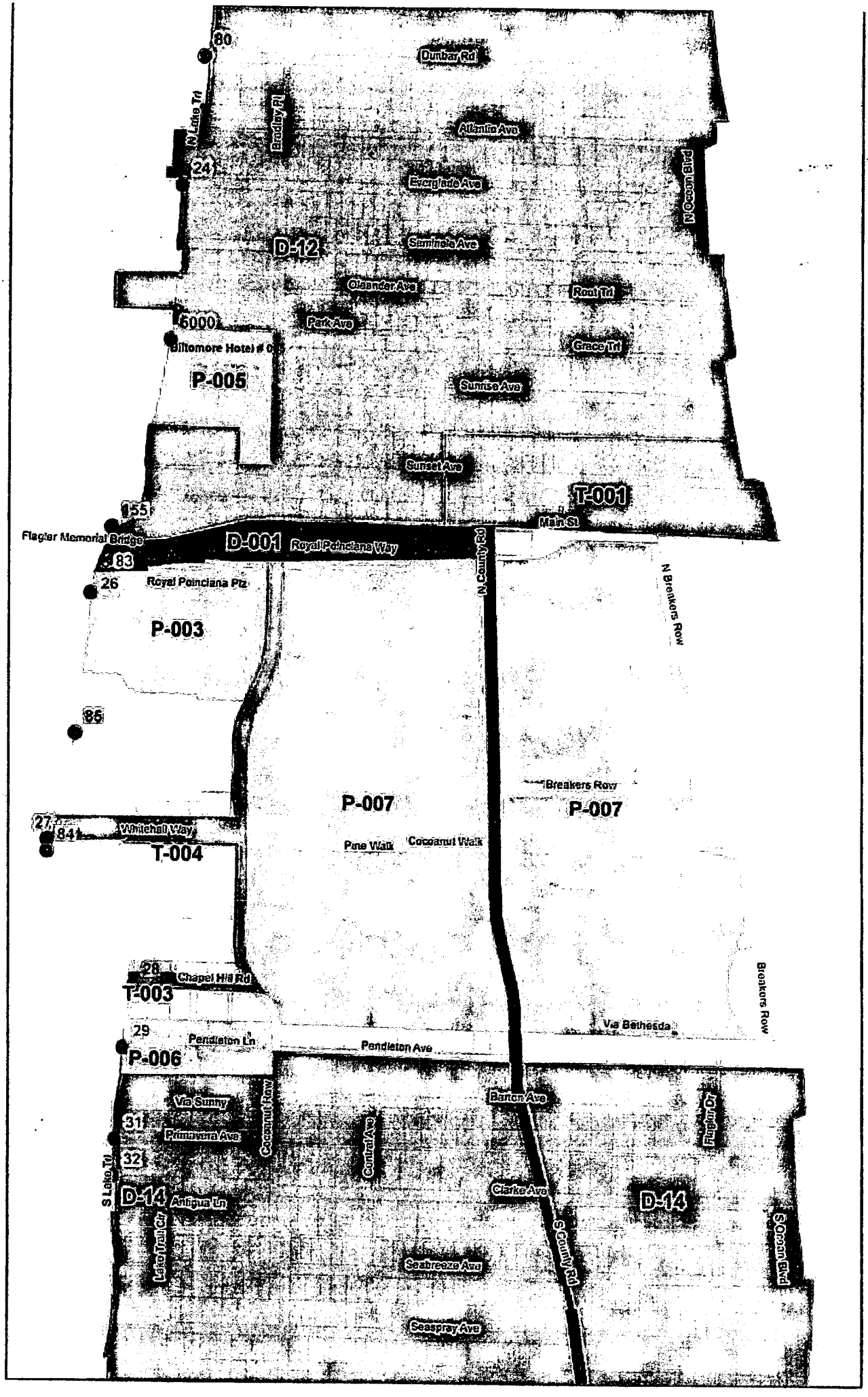


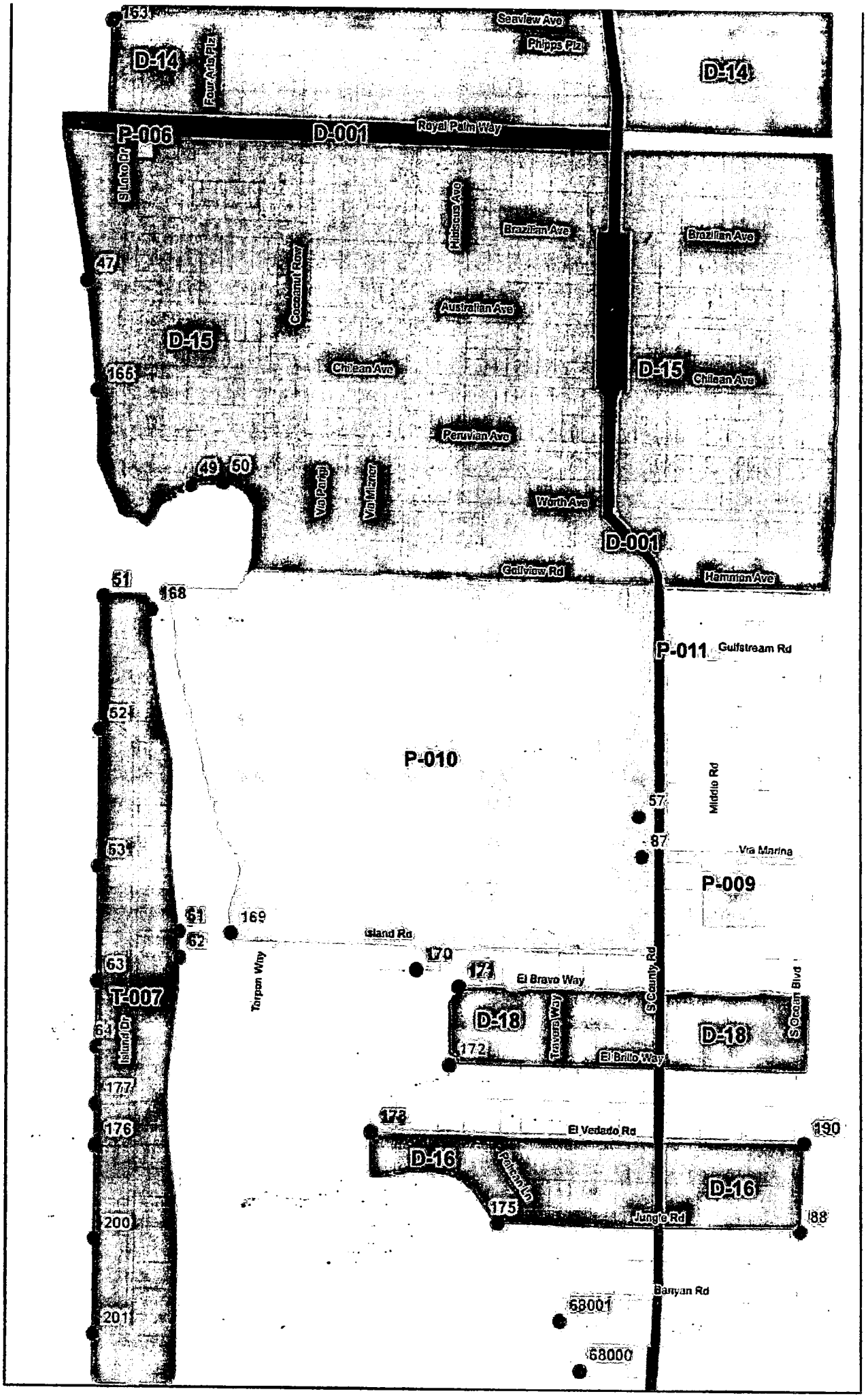

Dolphin Rd
D-9
Seagate Rd
Angler Ave
2
Ocean Ter
N Ocean Way
Osceola Way
Merrain Rd
Kenlyn Rd
D-2
4
Palmo Way
Mockingbird Trl
N Ocean Blvd
Nightingale Trl
La Puerta Way
N Ocean Way
El Pueblo Way
Queens Ln
N Lake Way
D-10
Colonial Ln
Monterey Rd
Orange Grove Rd
List Rd

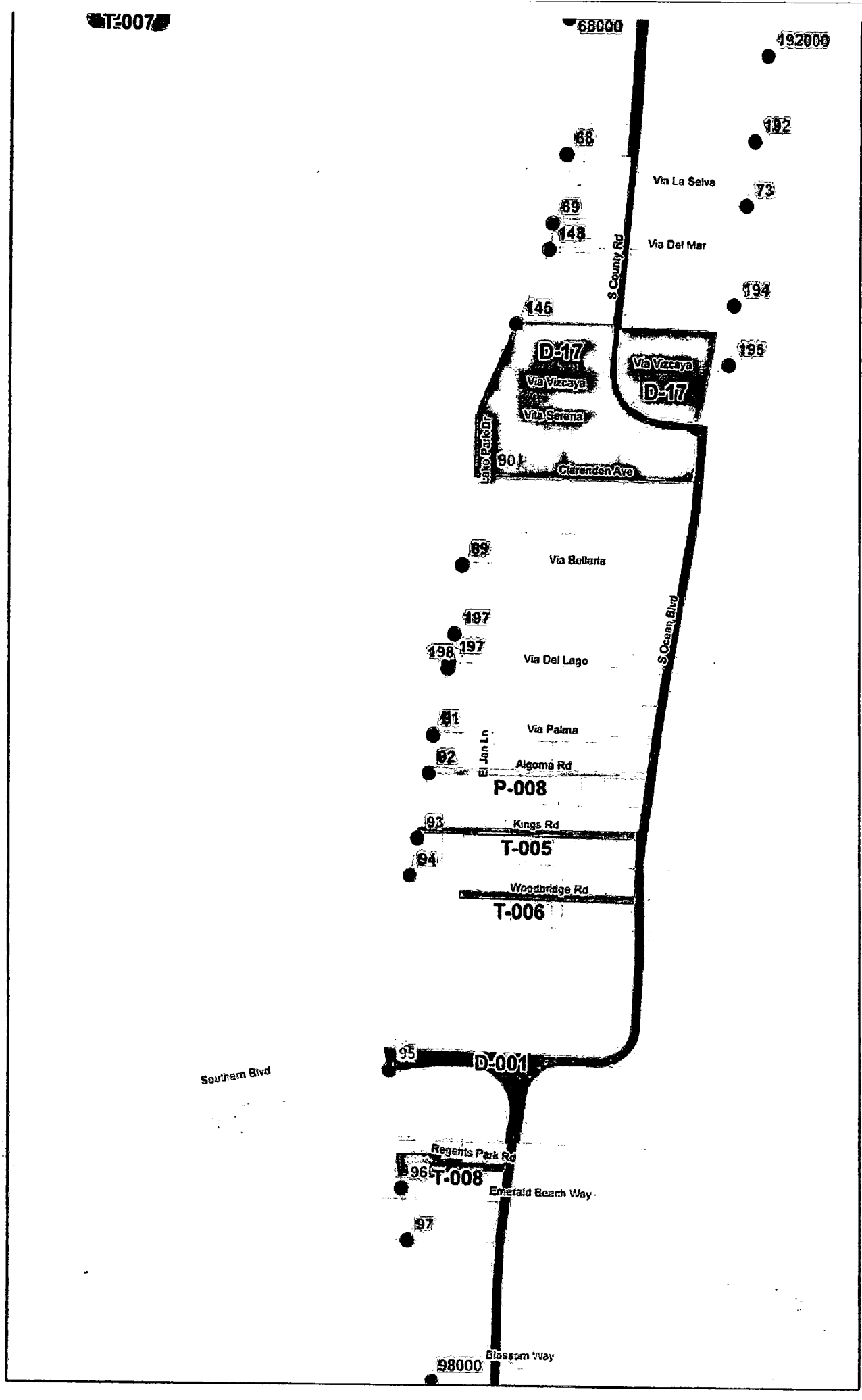

Nightingale Trl
D-2
La Puerta Way
N Ocean Blvd
El Pueblo Way
N Ocean Way
Queens Ln
N Lake Way
Colonial Ln
Monterey Rd
Orange Grove Rd
List Rd
9
Via Marila
10
Laurian Ln
D-10
Garden Rd
12
Eden Rd
Azalea Rd
Sandpiper Dr
Tradewind Dr
13
Jamaica Ln
Bahama Ln

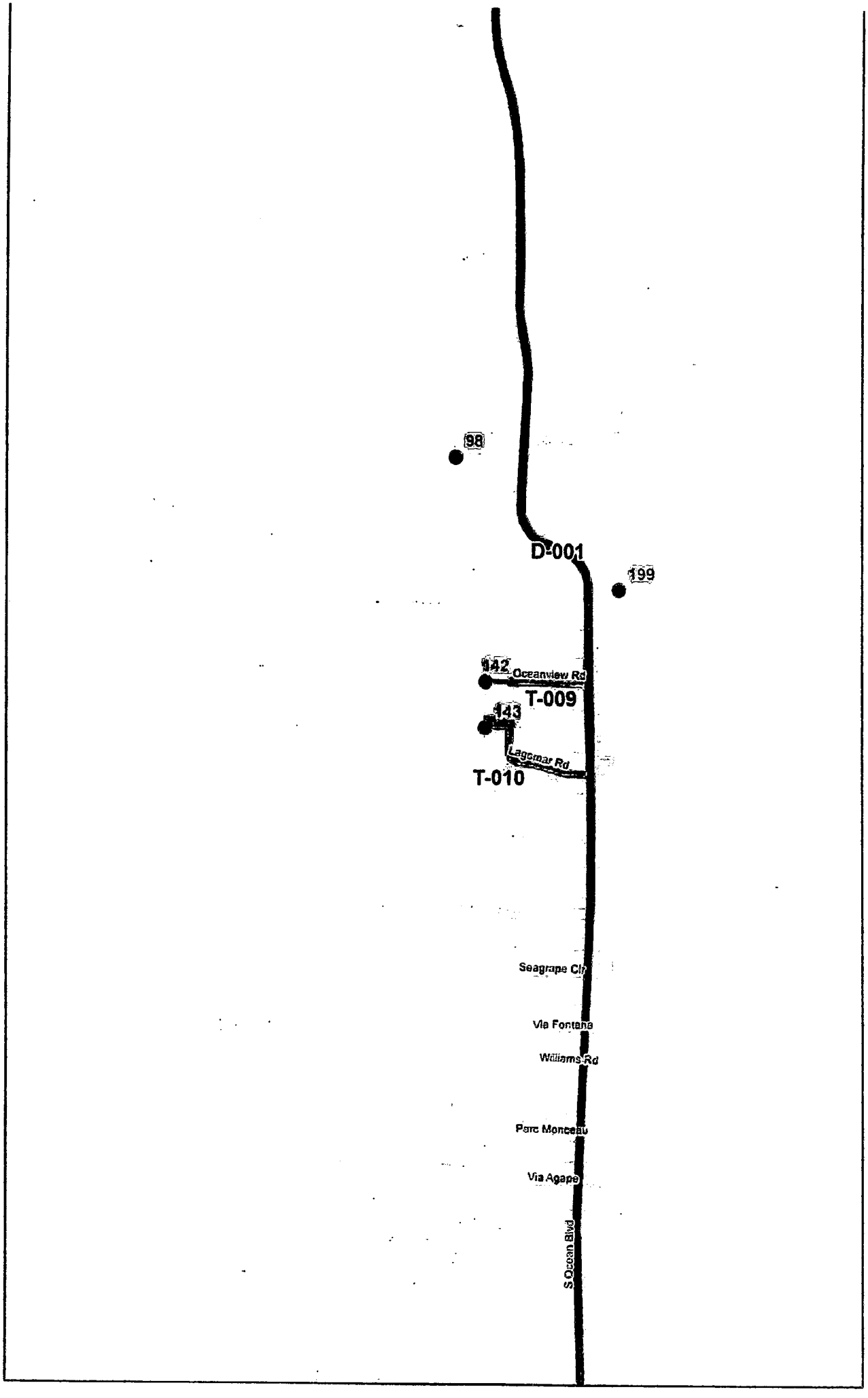

D-10
152
N Lake Way
P-012
N Ocean Blvd
14
15
16
Country Club Rd
N Lake Trl
Sligo Trl
Hi Mount Rd
Fairview Rd
Ridgeview Dr
Ocean Ln
D-8
D-8
El Dorado Ln
Windsor Ct
P-001
Cherry Ln
N County Rd
Palmer Park
Windies Dr
N Lake Way
Via Linda
D-3,D-4
Crest Rd
Southland Rd
Plantation Rd

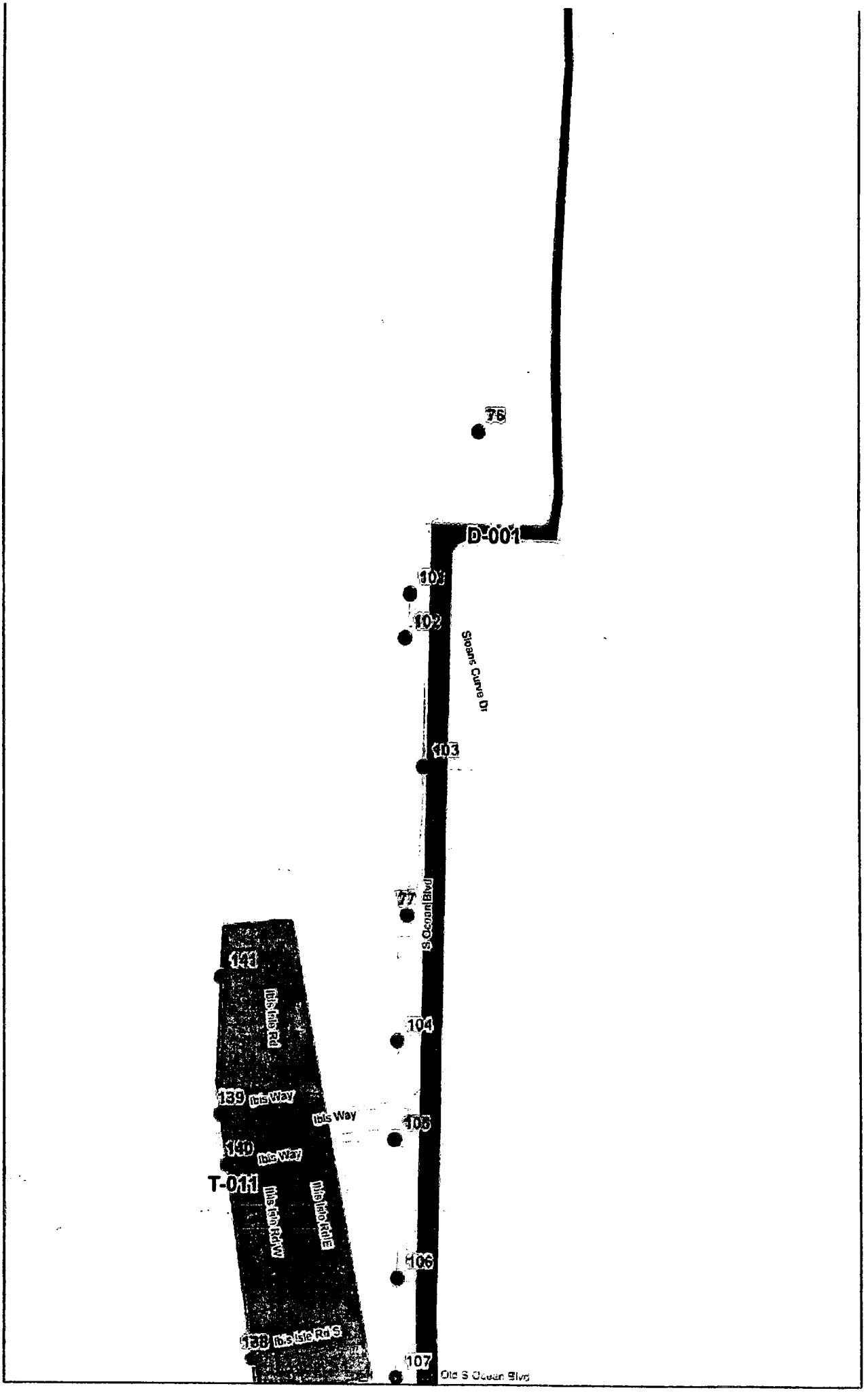

Windsor Ct
1000
P-001
D-8
Cherry Ln
D-8
Palmer Park
W Indies Dr
Via Linda
N Canny Rd
Crest Rd
Southland Rd
Plantation Rd
18
N Woods Rd
E Woods Rd
Bermuda Ln
S Woods Rd
D-3,D-4
Maddock Way
La Costa Way
N Lake Dr
19
Tangier Ave
Miraflores Dr
2000
Via Tortuga
P-002
Phipps Estates Dr
Casa Bendita
Via Las Brisas
D-3,D-4
Kawama Ln
Chateaux Dr
Sanford Ave
4000
Via Los Incas
P-004
N Lake Way
Emerald Ln
Crescent Dr
El Mirasol
D-3,D-4
Coral Ln
Canterbury Ln
Wells Rd
Wells Cir
Bradley Pl
D-12

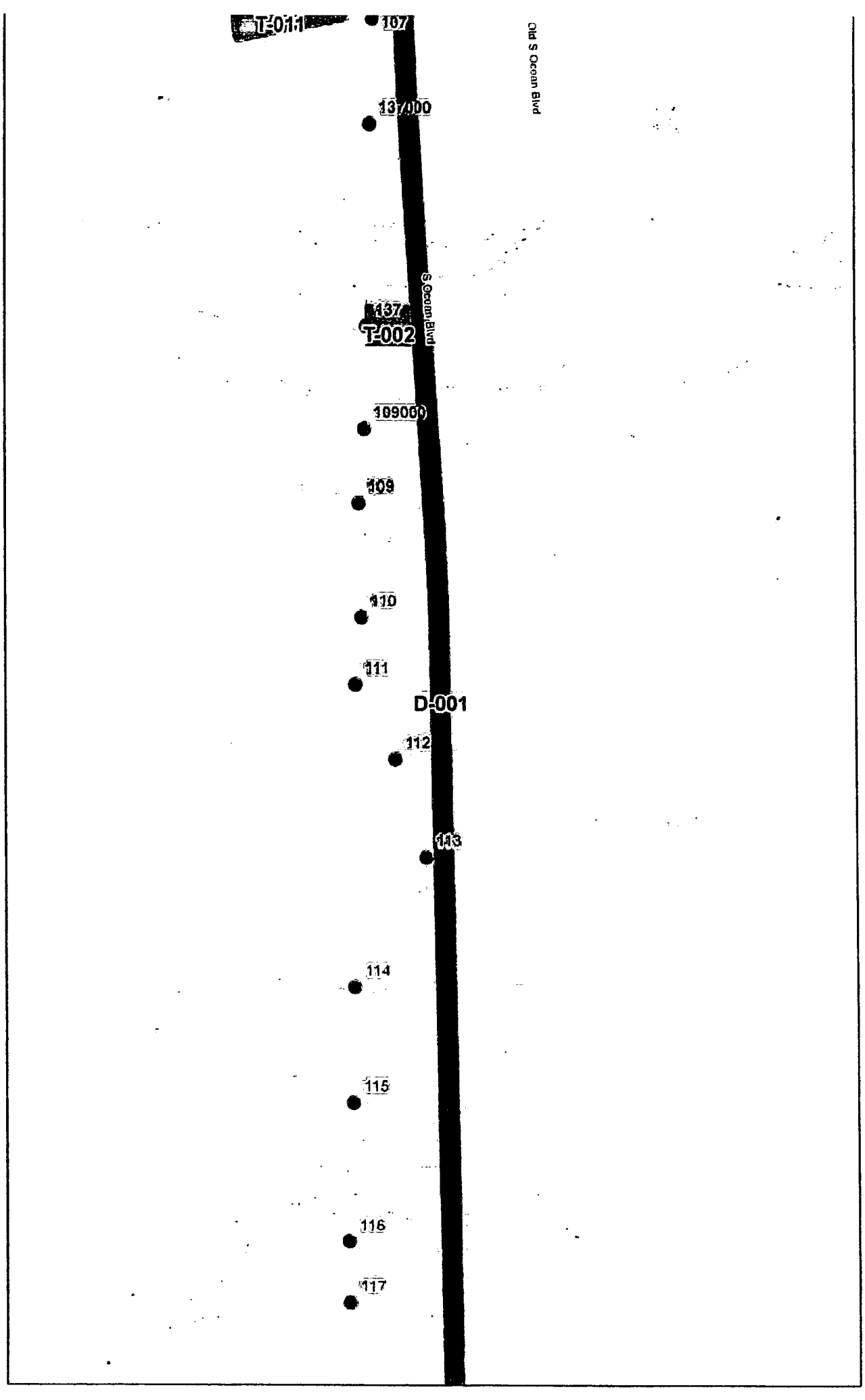

80
Dunbar Rd
N Lake Trl
Bradley Pl
Atlantic Ave
24
Everglade Ave
N Ocean Blvd
D-12
Seminole Ave
Oleander Ave
Royal Rd
Park Ave
6000
Biltmore Hotel # 005
Grace Trl
P-005
Sunrise Ave
Sunset Ave
T-001
155
Main St
Flagler Memorial Bridge
D-001 Royal Poinciana Way
N County Rd
83
26
Royal Poinciana Plz
N Breakers Row
P-003
85
Breakers Row
P-007
P-007
27
84
Whitehall Way
T-004
Pine Walk
Cocoanut Walk
28
Chapel Hill Rd
T-003
Breakers Row
29
Pendleton Ln
Pendleton Ave
Via Bethesda
P-006
Via Sunny
Barton Ave
Cocoanut Row
31
Primavera Ave
Central Ave
Ridge Dr
32
S Lake Trl
D-14
Antigua Ln
Clarke Ave
D-14
Lake Trail Cir
S County Rd
S Ocean Blvd
Seabreeze Ave
Seaspray Ave

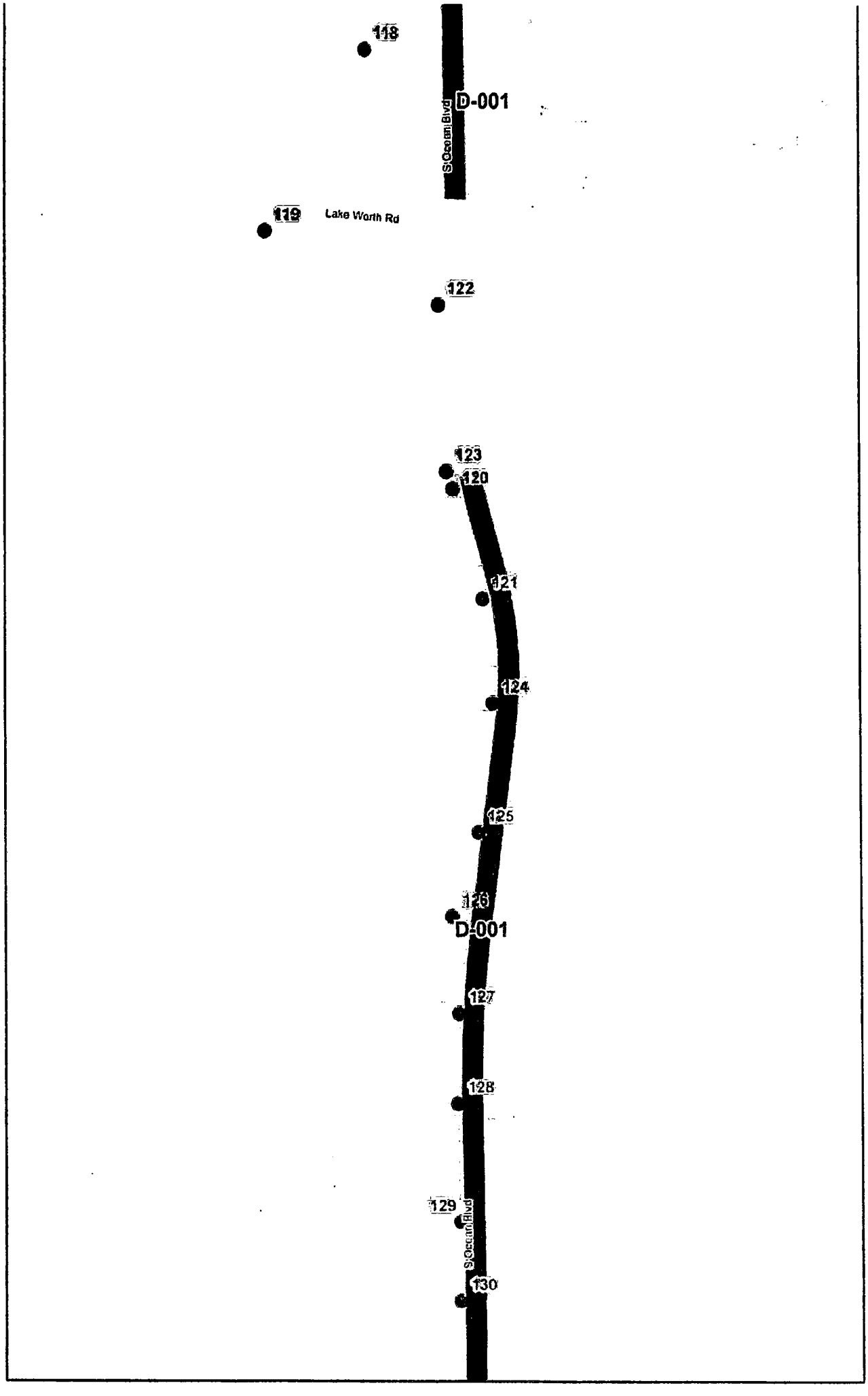

163
Seaview Ave
Phipps Plz
D-14
Four Arts Plz
D-14
P-006
D-001
Royal Palm Way
S Lake Dr
Hibiscus Ave
Brazilian Ave
Brazilian Ave
47
Coconut Row
Australian Ave
D-15
D-15
Chilean Ave
Chilean Ave
166
Peruvian Ave
49
50
Via Parigi
Via Mizner
Worth Ave
D-001
Golfview Rd
Hammon Ave
51
168
P-011
Gulfstream Rd
52
P-010
Middle Rd
57
87
Via Marina
53
P-009
61
169
62
Island Rd
63
170
171
El Bravo Way
Tarpon Way
S County Rd
S Ocean Blvd
T-007
D-18
Tarpon Way
D-18
64
Island Dr
172
El Brillo Way
177
176
173
El Vedado Rd
190
D-16
Poinciana Ln
D-16
175
Jungle Rd
88
200
Banyan Rd
68001
201
68000


T-007
68000
192000
68
192
Via La Selva
73
69
148
Via Del Mar
S County Rd
194
145
D-17
Via Vizcaya
195
Via Vizcaya
D-17
Via Vizcaya
Via Serena
Lake Park Dr
90
Clarendon Ave
89
Via Bellarta
197
198
197
Via Del Lago
S Ocean Blvd
91
Via Palma
El Jon Ln
92
Algoma Rd
P-008
93
Kings Rd
T-005
94
Woodbridge Rd
T-006
95
D-001
Southern Blvd
Regents Park Rd
96
T-008
Emerald Beach Way
97
Blossom Way
98000


98
D-001
199
142
Oceanview Rd
T-009
143
Lagomar Rd
T-010
Seagrape Ct
Via Fontana
Williams Rd
Parc Monceau
Via Agape
S Ocean Blvd


76
D-001
101
102
Sloans Curve Dr
103
S Ocean Blvd
77
133
Ibis Isle Rd
104
139
Ibis Way
Ibis Way
105
140
Ibis Way
T-011
Ibis Isle Rd W
Ibis Isle Rd E
106
138
Ib.s Isle Rd S
107
Old S Ocean Blvd


T-011
107
137/000
Old S Ocean Blvd
S Ocean Blvd
137
T-002
109000
109
110
111
D-001
112
113
114
115
116
117


118
D-001
S Ocean Blvd
119
Lake Worth Rd
122
123
120
121
124
125
126
D-001
127
128
129
S Ocean Blvd
130


131
132
133
D-001
S Ocean Blvd
134
135
136

Appendix 4 – MS4 Inventory

OBJECTID	Type	Comments	Owner	DrainBasin
1	Pipe	179 E. INLET DRIVE	TPB	LW Intracoastal
2	Pipe	1334 N LAKE WAY	TPB	LW Intracoastal
4	Pump	265 PALMO WAY	TPB	LW Intracoastal
9	Pump	1060 N LAKE WAY AND VIA MARILA	TPB	LW Intracoastal
10	Pipe	1040 N LAKE WAY AND LAURIAN LN	TPB	LW Intracoastal
12	Pipe	1000 N LAKE WAY AND EDEN RD	TPB	LW Intracoastal
14	Pump	766 HI-MOUNT RD AND COUNTRY CLUB RD	TPB	LW Intracoastal
15	Pipe	766 HI MOUNT RD	PRIVATE	LW Intracoastal
16	Pipe	700 NORTH LAKE WAY	TPB	LW Intracoastal
18	Pipe	334 N WOODS RD	TPB	LW Intracoastal
19	Pump	310 TANGIER AVE	TPB	LW Intracoastal
24	Pump	200 BRADELY PL	TPB	LW Intracoastal
26	Pipe	70 ROYAL POINCIANA WAY	PRIVATE	LW Intracoastal
27	Pipe	1 WHITEHALL WAY	TPB	LW Intracoastal
28	Pipe	315 CHAPEL HILL RD	TPB	LW Intracoastal
29	Pipe	324 PENDLETON LN	PRIVATE	LW Intracoastal
31	Pipe	447 PRIMAVERA AVE	TPB	LW Intracoastal
32	Pipe	445 ANTIGUA LN	PRIVATE	LW Intracoastal
47	Pump	455 AUSTRALIAN AVE	TPB	LW Intracoastal
49	Pipe	439 WORTH AVE	TPB	LW Intracoastal
50	Pipe	425 WORTH AVE	TPB	LW Intracoastal
51	Pipe	482 ISLAND DR	TPB	LW Intracoastal
52	Pipe	537 ISLAND DR	TPB	LW Intracoastal
53	Pipe	575 ISLAND DR	TPB	LW Intracoastal
57	Pipe	500 S. COUNTY RD (EVERGLADES CLUB)	DOT-State Owned	POND THEN TO LAKE
61	Pipe	600 ISLAND DR	TPB	LW Intracoastal
62	Pipe	608 ISLAND DR	TPB	LW Intracoastal
63	Pipe	625 ISLAND DR	TPB	LW Intracoastal
64	Pipe	655 ISLAND DR	TPB	LW Intracoastal
68	Pipe	790 S COUNTY RD	DOT-State Owned	LW Intracoastal
80	Pipe	320 DUNBAR RD	PRIVATE	LW Intracoastal
165	Pump	381 CHILEAN AVE	TPB	LW Intracoastal
168	Pipe	488 ISLAND DR	TPB	LW Intracoastal
169	Pipe	600 TARPON WAY	TPB	LW Intracoastal
170	Pipe	320 ISLAND RD	TPB	LW Intracoastal
171	Pipe	270 EL BRAVO WAY	TPB	LW Intracoastal

OBJECTID	Type	Comments	Owner	DrainBasin
172	Pump	353 EL BRILLO WAY	TPB	LW Intracoastal
173	Pipe	336 EL VEDADO RD	PRIVATE	LW Intracoastal
175	Pump	242 JUNGLE RD	TPB	LW Intracoastal
176	Pipe	677 ISLAND DR	TPB	LW Intracoastal
177	Pipe	663 ISLAND DR	TPB	LW Intracoastal
73	Pipe	810 S. OCEAN BLVD	TPB	Ocean
69	Pipe	215 VIA DEL MAR	DOT-State Owned	LW Intracoastal
76	Pipe	1950 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
77	Pipe	2100 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
83	Pipe	ROYAL POINCIANA WAY SOUTH OF BRIDGE	DOT-State Owned	LW Intracoastal
84	Pipe	BREAKERS RCP 36"	PRIVATE	LW Intracoastal
85	Pipe	44 COCOANUT ROW	PRIVATE	LW Intracoastal
87	Pipe	500 S. COUNTY RD (EVERGLADES CLUB)	TPB	POND
88	Pipe	102 JUNGLE RD	TPB	Ocean
89	Pipe	260 VIA BELLARIA	PRIVATE	LW Intracoastal
90	Pump	170 CLARENDON AVE	TPB	LW Intracoastal
91	Pipe	212 VIA PALMA	PRIVATE	LW Intracoastal
92	Pipe	270 ALGOMA RD	PRIVATE	LW Intracoastal
93	Pipe	176 KINGS RD	TPB	LW Intracoastal
94	Pipe	185 WOODBRIDGE RD	TPB	LW Intracoastal
95	Pipe	1170 S OCEAN BLVD	DOT-State Owned	LW Intracoastal
96	Pipe	400 REGENTS PARK RD	TPB	LW Intracoastal
97	Pipe	1220 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
98	Pipe	1450 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
101	Pipe	19 SLOANS CURVE DR	DOT-State Owned	LW Intracoastal
102	Pipe	2035 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
103	Pipe	2000 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
104	Pipe	2171 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
105	Pipe	2185 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
106	Pipe	2275 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
107	Pipe	2310 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
109	Pipe	2345 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
110	Pipe	2505 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
111	Pipe	2560 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
112	Pipe	2600 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
113	Pipe	2660 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal

OBJECTID	Type	Comments	Owner	DrainBasin
114	Pipe	2720 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
115	Pipe	2773 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
116	Pipe	2778 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
117	Pipe	2784 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
118	Pipe	2840 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
119	Pipe	South side of Lake Worth Rd near Bridge	DOT-State Owned	LW Intracoastal
120	Pipe	3001 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
121	Pipe	3030 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
122	Pipe	S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
123	Pipe	S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
124	Pipe	3100 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
125	Pipe	3120 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
126	Pipe	3140 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
127	Pipe	3170 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
128	Pipe	3230 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
129	Pipe	3300 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
130	Pipe	3300 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
131	Pipe	3390 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
132	Pipe	3400 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
133	Pipe	3440 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
134	Pipe	3440 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
135	Pipe	3450 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
136	Pipe	3474 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
137	Pipe	2345 S. OCEAN BLVD	TPB	LW Intracoastal
138	Pipe	2308 IBIS ISLE	TPB	LW Intracoastal
139	Pipe	2190 N. IBIS WAY	TPB	LW Intracoastal
140	Pipe	2228 S. IBIS WAY	TPB	LW Intracoastal
141	Pipe	2150 IBIS ISLE	TPB	LW Intracoastal
142	Pipe	11 LAGOMAR RD	TPB	LW Intracoastal
143	Pipe	8 LAGOMAR RD	TPB	LW Intracoastal
145	Pipe	235 VIA VIZCAYA	PRIVATE	LW Intracoastal
148	Pipe	210 VIA DEL MAR	TPB	LW Intracoastal
150	Pump	310 MEDITERRANEAN RD	TPB	LW Intracoastal
151	Pipe	936 N LAKE WAY AND JAMAICA LN	TPB	LW Intracoastal
152	Pipe	760 COUNTRY CLUB	PRIVATE	LW Intracoastal
155	Pump	100 BRADLEY PL	TPB	LW Intracoastal

OBJECTID	Type	Comments	Owner	DrainBasin
163	Pump	15 S LAKE TRL AND SEAVIEW AVE	TPB	LW Intracoastal
190	Pipe	100 EL VEDADO RD	TPB	Ocean
192	Pipe	801 S COUNTY RD	TPB	Ocean
194	Pipe	850 S. OCEAN BLVD	TPB	Ocean
195	Pipe	870 S. OCEAN BLVD	TPB	Ocean
197	Pipe	179 VIA DEL LAGO	DOT-State Owned	LW Intracoastal
198	Pipe	174 VIA DEL LAGO	PRIVATE	LW Intracoastal
199	Pipe	1500 S. OCEAN BLVD	DOT-State Owned	Ocean
109000	Pipe	2345 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
137000	Pipe	2345 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
1000	Pump	2 WINDSOR CT	Private Owned	D-8
2000	Pipe	210 VIA TORTUGA	Private Owned	P-002
4000	Pipe	1 VIA LOS INCAS	Private Owned	P-004
5000	Pipe	150 BRADLEY PL (BILTMORE HOTEL)	Private Owned	P-005
200	Pipe	727 ISLAND DR	TPB	LW Intracoastal
201	Pipe	751 ISLAND DR	TPB	LW Intracoastal
98000	Pipe	1255 S. OCEAN BLVD	DOT-State Owned	LW Intracoastal
192000	Pipe	720 S. OCEAN BLVD	TPB	Street then to Ocean.
68000	Pipe	738 S. COUNTY RD	DOT-State Owned	LW Intracoastal
68001	Pipe	240 BANYAN RD	DOT-State Owned	LW Intracoastal
197	Pipe	174 VIA DEL LAGO	PRIVATE	LW INTRACOASTAL

Descript	Status	Size
12' PVC 10"	Active	
18" RCP 260'	Active	
D-2 Three 30" PVC Pipes	Active	30,000 GPM
D-10	Active	78,000 GPM
240' 30" RCP	Active	
191' SS-24"	Active	
D-8	Active	30,000 GPM
4" PVC TO LAKE (Owners Line)	Active Private	
250' RCP 10"	Active	
24" VCP 200'	Active	
D-3 54" PVC	Active	12" Dia
D-12	Active	93,000 GPM
SS-36 CMP	Active Private	
410' Slip Line 36"	Active	
No Data	Active	
SS-10 VCP 695'	Active Private	
12" SS GALV	Active	
24" SS RCP	Active Private	
D-6	Active	104,000 GPM
8" RCP 28'	Active	
8" RCP 35'	Active	
10" CMP 15'	Active	
10" CMP 15'	Active	
170' - 10" CMP	Active	
SS-18	Active Private	
6" PVC 5'	Active	
2.5" PVC 5'	Active	
155'-12" VCP	Active	
155'-12" VCP	Active	
No Data	Active Private	
No Data	Active Private	
D-7	Active	104,000 GPM
10" CMP 12'	Active	
10.5' STEEL 6"	Active	
125' CMP 24"	Active	
12" PVC 10'	Active	

Descript	Status	Size
D-18	Active	16,000 GPM
No Data	Active Private	
D-16	Active	16,000 GPM
155'-12" PVC	Active	
155'-12" CIP	Active	
4" PVC	Active	
No Data	Active Private	
No Data	Active Private	
SS-24	Active Private	
No Data	Active Private	
FROM THE BREAKERS PUMP STATION	Active Private	
SS-24	Active Private	
No Data	Active	
RCP 12"	Active	
No Data	Active Private	
D-17 PUMP STATIONS THREE PUMPS	Active	
No Data	Active Private	
No Data	Active Private	
165'	Active	
104' RCP	Active	
No Data	Active Private	
24"-ADS-260'	Active	
24"-RCP-245'	Active Private	
No Data	Active Private	
SS-18	Active Private	
SS-24	Active Private	
SS-24	Active Private	
SS-24	Active Private	
SS-24	Active Private	
No Data	Active Private	
No Data	Active Private	
SS-24	Active Private	
SS-24	Active Private	
SS-24	Active Private	
SS-24	Active Private	
SS-24	Active Private	

Descript	Status	Size
SS-24	Active Private	
SS-24	Active Private	
SS-24	Active Private	
SS-24	Active Private	
No Data	Active Private	
Lakeworth Gravity to DOT	Active Private	
No Data	Active Private	
No Data	Active Private	
Lakeworth Gravity to DOT	Active Private	
Lakeworth Gravity to DOT	Active Private	
No Data	Active Private	
No Data	Active Private	
No Data	Active Private	
No Data	Active Private	
SS-24	Active Private	
No Data	Active Private	
No Data	Active Private	
No Data	Active Private	
No Data	Active Private	
No Data	Active Private	
No Data	Active Private	
142'-PVC-30"	Active Private	
No Data	Active Private	
16" ADS 43'	Active	
130'-SS-16"	Active	
129'-VCP-15"	Active	
128'-VCP-15"	Active	
12" VCP AT WALL SS-173 OF STEEL PIPE	Active	
105' 15" PVC	Active	
100' 12" PVC	Active	
SS-12 250' RCP	Active Private	
No Data	Active	
D-9 165' RCP 60"	Active	50,000 GPM
no outfall symbol	Active	
15" CMP TO LAKE (HUDRAULIC SYSTEM)	Active Private	
S-2	Active	

Descript	Status	Size
D-14	Active	93,000 GPM
10" RCP 15'	Active	
4" VCP 40'	Active	
12" CIP 65'	Active	
8" CIP 40'	Active	
No Data	Active Private	
No Data	Active Private	
No Data	Active Private	
No Data	Active Private	
No Data	Active Private	
Gravity to D-8	Active Private	
Gravity to D-4	Active Private	
Gravity to D-4	Active Private	
No Data	Active Private	
155' 14" PVC	Active	
155' 12" RCP	Active	
No Data	Active Private	
6" VCP 42'	Active	
No Data	Active Private	
No Data	Active Private	
No Data	Active Private	

DrainageID	BASIN	LOCATION	SystemOwnr	DischrgOwn	RecvgWater
2	D-2	ANGLER AVE TO LA PUERTA WAY	TPB MS4	TPB	Lake Worth Intracoastal
3	D-10	LA PUERTA WAY TO BAHAMA LN	TPB MS4	TPB	Lake Worth Intracoastal
6	D-12	WELL RD TO ROYAL POINCIANA WAY	TPB MS4	TPB	Lake Worth Intracoastal
7	D-14	PENDLETON AVE TO ROYAL PALM WAY	TPB MS4	TPB	Lake Worth Intracoastal
8	D-15	ROYAL PALM WAY TO GOLFVIEW RD,HAMMON AVE	TPB MS4	TPB	Lake Worth Intracoastal
9	D-18	EL BRAVO WAY TO EL BRILLO WAY	TPB MS4	TPB	Lake Worth Intracoastal
10	D-16	EL VEDADO RD TO JUNGLE RD	TPB MS4	TPB	Lake Worth Intracoastal
11	D-17	UTIL EASEMENT BEFORE VIA VIZCAYA TO CLARENDON AVE	TPB MS4	TPB	Lake Worth Intracoastal
1	D-9	E INLET DR TO ANGLER AVE	TPB MS4	TPB	Lake Worth Intracoastal
4	D-8	COUNTRY CLUB RD TO WEST INDIES DR	TPB MS4	TPB	Lake Worth Intracoastal
12	P-001	WINDSOR COURT TO D-8	NON-MS4	PRIVATE	D-8
13	P-002	PHIPPS ESTATE TO D-4	NON-MS4	PRIVATE	D-4
16	P-005	BILTMORE HOTEL TO D-12	NON-MS4	PRIVATE	D-12
15	P-004	VIA LOS INCAS TO D-4	NON-MS4	PRIVATE	D-4
17	P-006	ONE BUILDING 450 ROYAL POINCIANA WAY TO D-15	NON-MS4	PRIVATE	D-15
18	T-001	ROYAL POINCIANA WAY	TPB MS4	TPB	Town to DOT
5	D-3,D-4	VIA LINDA TO CORAL LN	TPB MS4	TPB	D-3, D-4
0	T-002	2345 S. OCEAN BLVD	TPB MS4	TPB	Lake Worth Intracoastal
0	P-007	BREAKERS GOLF COURSE BASIN	NON-MS4	PRIVATE	Lake Worth Intracoastal
0	P-008	ALGOMA RD	NON-MS4	PRIVATE	Lake Worth Intracoastal
0	T-005	KINGS RD	TPB MS4	TPB	Lake Worth Intracoastal
0	T-006	WOODBRIDGE RD	TPB MS4	TPB	Lake Worth Intracoastal
0	P-011	MIDDLE RD	NON-MS4	PRIVATE	Lake Worth Intracoastal
0	P-009	VIA MARINA	NON-MS4	PRIVATE	Lake Worth Intracoastal
0	P-003	ROYAL POINCIAN PLAZA	NON-MS4	PRIVATE	Lake Worth Intracoastal
1	P-006	PENDLETON LN	NON-MS4	PRIVATE	Lake Worth Intracoastal
0	P-012	EVERGLADE CLUB	NON-MS4	PRIVATE	Lake Worth Intracoastal
0	P-010	EVERGLADE CLUB	NON-MS4	PRIVATE	Lake Worth Intracoastal
0	P-007	BREAKERS GOLF COURSE BASIN	NON-MS4	PRIVATE	Lake Worth Intracoastal
7	D-14	PENDLETON AVE TO ROYAL PALM WAY	TPB MS4	TPB	Lake Worth Intracoastal
8	D-15	ROYAL PALM WAY TO GOLFVIEW RD,HAMMON AVE	TPB MS4	TPB	Lake Worth Intracoastal
11	D-17	UTIL EASEMENT BEFORE VIA VIZCAYA TO CLARENDON AVE	TPB MS4	TPB	Lake Worth Intracoastal
10	D-16	EL VEDADO RD TO JUNGLE RD	TPB MS4	TPB	Lake Worth Intracoastal
9	D-18	EL BRAVO WAY TO EL BRILLO WAY	TPB MS4	TPB	Lake Worth Intracoastal
0	D-001		DOT		

DrainageID	BASIN	LOCATION	SystemOwnr	DischrgOwn	RecvgWater
0	D-001		DOT		
4	D-8	COUNTRY CLUB RD TO WEST INDIES DR	TPB MS4	TPB	Lake Worth Intracoastal
5	D-3,D-4	VIA LINDA TO CORAL LN	TPB MS4	TPB	D-3, D-4
5	D-3,D-4	VIA LINDA TO CORAL LN	TPB MS4	TPB	D-3, D-4
0	T-003		TPB MS4	TPB	Lake Worth Intracoastal
0	T-004		TPB MS4	TPB	Lake Worth Intracoastal
0	D-001		DOT		
0	T-007	ISLAND DR	TPB MS4	TPB	Lake Worth Intracoastal
0	T-008	REGENTS PARK RD	TPB MS4	TPB	Lake Worth Intracoastal
0	T-009	OCEANVIEW RD	TPB MS4	TPB	Lake Worth Intracoastal
0	T-010	LAGOMAR RD	TPB MS4	TPB	Lake Worth Intracoastal
0	T-011	IBIS ISLE	TPB MS4	TPB	Lake Worth Intracoastal

Town of Palm Beach

Code and Land Development Regulation Review

Introduction

In accordance with requirements of the Second Year Cycle of the Phase Three NPDES Permit, Town of Palm Beach staff has conducted a review of current codes for the purposes of identifying potential changes to existing codes or regulations that will further reduce the stormwater impact of new development and areas of significant redevelopment.

In particular, this review will focus on changes to the code that will promote:

- reduction in impervious surfaces,
- reduction in flow and volume of stormwater,
- increase in natural hydrology, and
- adherence to the principles of the Florida Yards and Neighborhoods program in new landscaping.

This report presents a summary of the review activity that includes:

- a list of all applicable local code and regulation citations reviewed,
- a description of the current and proposed techniques aimed at reducing stormwater impact,
- a description of innovative stormwater planning techniques recommended for possible future incorporation into the codes and regulations, and
- a description proposed changes to the codes and regulations.

The Town of Palm Beach is located on a barrier island east of West Palm Beach, Florida in Palm Beach County. The land area of the Town is approximately 3.77 square miles with 12.1 miles of coastline on the Atlantic Ocean. The Town is also bound on the west by 15.9 miles of Intracoastal frontage (Lake Worth), on the north by the Palm Beach Inlet, and on the south by the Town of South Palm Beach.

The Town of Palm Beach had 8,137 registered voters in 2012 with approximately 8,358 full time residents. The population swells to approximately 25,000 during “season” which is from November to April.

The Town having celebrated it's Centennial in 2011 is essentially fully developed with no appreciable undeveloped areas remaining. New development within the Town consists primarily of the redevelopment of existing properties, for example the demolition of existing structures and construction of a new structure in its place and the renovation of existing structures.

Code Sources and Review

The Code of Ordinances of the Town of Palm Beach was sourced online from MuniCode.com. After an initial review of Articles and Chapters those sections of the code which were determined to be pertinent were identified and the full text retrieved for review. The full text of these sections way be found in Appendix II.

The code was further reviewed to determine which sections are currently aimed at reducing stormwater impacts, which sections are currently being revised by Town staff which will have some effect on stormwater impact reduction and which sections may be considered for future code revisions which may also have an effect on stormwater impact reductions.

Reduction in Impervious Surfaces

Land Use cover requirements for each zoning classification found within the Town of Palm Beach are found in Sec 134, Art V, District Regulations. For each zoning classification lot size, building coverage, landscape requirements are enumerated. For the sake of discussing the degree of pervious or impervious cover in each district the landscape/open space requirements of the code may be used as an indication of the required pervious ratio. The table below shows the landscape open space requirements for each zoning district within the Town.

Zoning District		Minimum Lot Size (sq ft)	Maximum Building Coverage %	Minimum Landscape Coverage* %
R-AA	Large estate residential	60000	25	55
R-A	Estate residential	20000	25	50
R-B	Low density residential	10000	40	45
R-C	Medium density residential	10000	30	35
R-D(1)	Moderate density residential	40000	35	35
R-D(2)	High density residential	40000	40	35
C-TS	Commercial—Town serving	4000	70	15
C-WA	Commercial—Worth Avenue	4000	75	15
C-OPI	Commercial—Offices,	4000	70	15
C-PC	Commercial—Planned center	4000	70	15
C-B	Commercial, offices	15000	60	20
C	Conservation	N/A	N/A	N/A
PUD	Planned Unit Development	20000	35	N/A

*Landscape/Open Space shown as pervious

Extremely high real property values within the Town have driven the market so that the trend in development id to maximize building area while minimizing landscape/open space and by association pervious area to the limits as allowed in each zoning category. Unless there is some unforeseen change in the market which makes smaller homes more desirable this trend is expected to continue.

In the effort to reduce stormwater impacts throughout the Town by means of reducing impervious ratios through zoning controls has only allowed the status

quo to continue. It is not expected that any significant reductions will be achieved by this method in the foreseeable future.

Increase in Natural Hydrology

The natural hydrology within the Town of Palm Beach has been almost completely replaced by a managed surface water management system. Prior to 1900 the hydrology of the area which now comprises the Town consisted of a high sandy coastal dune on the Atlantic Ocean side leading to smaller lower areas fringing a fresh water/brackash water lake to the west currently known as the Lake Worth Lagoon. Due to the extremely high infiltration rates on the coastal dunes very little stormwater runoff was generated that flowed directly to the Atlantic Ocean or the Lake Worth Lagoon.

Presently the hydrology of the island is controlled by the Town's surface water management system which operates via a system of roadside inlets, storm sewers, infiltration trenches, gravity outfalls and pump station discharges to the Lake Worth Lagoon. Some portion of the Town's previous natural hydrology is mimicked by the operation of a series of infiltration trenches which intercept stormwater runoff and direct it to the surficial aquifer. A number of these systems were installed by the Town in the coastal ridge area in an effort to eliminate direct surface water discharges to the Atlantic Ocean. With proper design and placement in appropriate areas of the Town and with periodic maintenance the infiltration trenches are an effective and economical method at providing necessary storm water drainage as part of the Town's MS4 system.

Additional use of infiltration trenches is anticipated to resolve local drainage issues where conditions are appropriate.

Reduction in Flow Rates and Volume of Stormwater

Beginning in 1982 the Town began taking steps to reduce the amount of surface water runoff entering the Town's MS4 by requiring on-site retention to be provided with the construction of any new structure or with the major renovation of any existing structure. (Sec 30 -114, Drainage) Initially set at one inch the requirement was changed in 2001 so that the runoff from a two inch rainfall is required to be retained on-site prior to any discharge from the site.

Sec 86, Art III, Stormwater Management requires that a stormwater management plan prepared by the appropriate design professional be submitted to the Town

for review and approval prior to the issuance of a building permit for a new structure of the major renovation of an existing one.

The typical stormwater management plan incorporated for new construction includes the use of roof drains, yard drains, pool overflow collection, and driveway drains to collect on site runoff up to the required retention volume of the runoff from a two inch rainfall. The collected runoff is conveyed by an on site drainage system to a properly sized infiltration trench. On-site runoff is routed through a control structure with an accessible sump to allow the removal of sediments from the system prior to entering the infiltration trench. Side yards and rear yards are surrounded by low drainage/retention walls to prevent on-site runoff from discharging to neighboring properties.

During the real estate boom leading up to 2008 a large number of new homes were constructed which resulted in a large potential decrease in runoff to the Town's MS4 and to the Lake Worth Lagoon. This year has also seen a large upswing in the real estate market within the Town with the result that a large number of new homes are already under construction. Again an additional reduction in runoff to the Town's MS4 is anticipated as a result.

Additional methods of reducing the amount of runoff to the Town's system have been proposed and are starting to be used on a small number of projects. With the advent of the Leed's Certification System for new construction the first new structure utilizing a cistern for rainwater collection and reuse is currently under construction.

Adherence to FYN Program in Landscaping

Sec 66, Natural Resource Protection, of the Town's code is currently being completely rewritten. This section includes the regulation, permitting and management of activities within the coastal dune system and a section regulating landscaping activities through the Town. Permits will be required for landscaping activities where none have existed to date. The principles of the Florida Friendly Yard and the Florida Friendly Fertilizer model ordinance are being incorporated. The Town has already adopted the model smart irrigation ordinance. It is anticipated that the new code will be adopted prior to the end of this fiscal year.

Appendix 1 Applicable Code Sections

Sec. 18-1. - Datum plane adopted.

The official datum plane to be used in the town is hereby declared to be the National Geodetic Vertical Datum (NGVD).

(Code 1982, § 5-6)

Sec. 30-71. - Determination of concurrency.

A concurrency determination shall be made for the following facilities:

(1)

Transportation;

(2)

Sanitary sewer;

(3)

Solid waste;

(4)

Drainage;

(5)

Potable water; and

(6)

Recreation/open space.

(Code 1982, § 6.5-16)

Sec. 30-114. - Drainage.

(a)

Adopted level of service. Drainage level of service is as specified in the town's adopted comprehensive plan.

(b)

Management procedures. Drainage plans and calculations shall be submitted by applicants in conjunction with all commercial and residential development and redevelopment, which shall demonstrate, and the town engineer shall confirm that:

(1)

The impact on the drainage system will not lower the level of service;

(2)

The drainage problem area is scheduled and contracted for improvement in the town's capital improvement program;

(3)

The developer will upgrade the drainage system to meet the level of service; or

(4)

The first two inches of rainfall will be retained on site prior to discharge into the town system or post-development runoff will not exceed predevelopment runoff, whichever is greater, thereby preventing additional degradation of the system.

(5)

The engineered storm water management system designed in accordance with the town's adopted level of service, as contained herein, contains sufficient provisions to retain storm water and prevent soil erosion into the roadway or adjacent properties throughout construction.

(6)

Retention walls, when required, will be constructed prior

to the stem wall foundation pour, or at a similar point in the construction process.

(Code 1982, § 6.5-19(d); Ord. No. 15-01, § 4, 9-11-01; Ord. No. 21-02, § 5, 11-12-02; Ord. No. 16-10, § 7, 7-13-10)

Cross reference— Floods, ch. 50; stormwater management, § 86-86 et seq.

Sec. 42-2. - Polluting Lake Worth.

It shall be unlawful to place yard trash, household garbage, offensive matter, dead animals, fish, other offal, or refuse of any kind in Lake Worth.

(Code 1982, § 9-5)

Sec. 42-3. - Polluting of public streets, rights-of-way or public properties.

It shall be unlawful to discard, place or throw foodstuffs, seed, garbage or organic materials of any kind onto the public streets, rights-of-way or public properties of the town except in a manner authorized by the town for feral cat feed programs.

(Ord. No. 12-06, § 1, 10-10-06)

Sec. 42-164. - Fugitive dust or blowing sand.

(a)

During the course of any construction or demolition work being done on any premises, it shall be unlawful for any person to cause, permit or allow the emissions of particulate matter from any source whatsoever, including but not limited to incidents caused by vehicular movement, transportation of materials, construction, alteration, demolition or wrecking of buildings or structures, or the stockpiling of sand or dirt, without taking reasonable precautions to prevent such emissions or to preclude fugitive particulates that may trespass on neighboring properties during dry and windy weather. In the case of stockpiled particulate materials, such materials shall be stabilized by adequate coverings, by wetting or by chemical application to the satisfaction of the town manager.

(b)

In addition to other remedies for violation of this Code, the violation of this section shall constitute grounds for the issuance of a stop work order by the building official in accordance with the provisions of the building code, chapter 18, article IV of this Code.

(Code 1982, § 12-36)

Chapter 66 - NATURAL RESOURCE PROTECTION [1]

ARTICLE I. - IN GENERAL

ARTICLE I. - IN GENERAL

Sec. 66-1. - Generally.

(a)

Purpose and intent.

(1)

It is the intent of this chapter to ensure that proposed development is consistent with the town's comprehensive plan.

(2)

The purpose of this chapter is to establish those resources or areas of a development site that must be protected from harmful effects of development.

(b)

Relationship to other requirements. In addition to meeting the requirements of this chapter and other applicable town regulations, development plans shall comply with all applicable federal, state, county, and water management district regulations relating to natural resource protection.

(c)

Compliance with subdividing land. Each lot of a proposed subdivision must include a site suitable for constructing a structure in conformity with the standards of these requirements.

(Code 1982, § 11.5-1)

Sec. 66-2. - Definitions.

The following words, terms and phrases, when used in this chapter, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

Alter or alteration of stormwater systems means work done on a stormwater management system other than that necessary to maintain the system's original design and function.

Alter or alteration of vegetation means to cut, trim, remove, defoliate, or otherwise destroy or disturb by any means, leaves, limbs, stems, roots, or other plant parts, dead or alive.

Antitransparent means a protective coating, generally applied to plant materials prior to or immediately after transplanting, that reduces water loss through the leaf surface.

Cultivated landscape area means planted areas that are frequently maintained by mowing, irrigating, pruning, fertilizing, etc.

Detention means the collection and storage of surface water for subsequent gradual discharge.

Dune means a hill or ridge of windblown sand and marine deposits formed by action of the wind and water, often stabilized by vegetation indigenous to this formation.

Erosion and sediment control plan means a plan for the control of soil erosion, sedimentation of waters and sediment related pollutants, and stormwater runoff resulting from land disturbing activity. The town may require the party responsible for carrying out the plan to submit monitoring reports, as deemed necessary, to determine whether the measures required by the approved plan are being properly performed.

Ground cover means plants, other than turf grass, normally

reaching an average maximum height of not more than 24 inches at maturity.

Impervious surface means a surface that has been compacted or covered with a layer of material so that it is highly resistant to infiltration by water. It includes but is not limited to semi-impervious surfaces such as compacted clay, as well as most conventionally surfaced streets, roofs, sidewalks, parking lots, and other similar structures.

Irrigation system means a permanent, artificial watering system designed to transport and distribute water to plants.

Land disturbing activity means any land change that may result in soil erosion from water or wind and the movement of sediments and sediment related pollutants in waters, including but not limited to clearing, grading, excavating, transporting and filling of land.

Mangroves means any specimen of Avicenna germinans (black mangrove), Laguncularia racemosa (white mangrove), Rhizaphora mangle (red mangrove), and Conocarpus erectus (buttonwood mangrove), dead or alive, regardless of size.

Moderate drought tolerant means vegetation that requires supplemental irrigation during extreme dry periods to maintain attractive appearance.

Mulch means nonliving organic and synthetic materials customarily used in landscape design to retard erosion and retain moisture.

Native habitat means habitat that predominantly consists of or is used by those communities of plants, animals, and other flora and fauna which occur indigenously on the land, in the soil, or in the water.

Native shoreline vegetation means vegetation that occurs indigenously on the land, in the soil, or in the water.

Pestilent exotic species means any specimen of Meleleuca (Meleleuca quinquenerva), Australian Pine (Causarina spp.), or Brazilian Pepper (Schinus terebinthifolius), regardless of size.

Planting means the placing on or setting into the ground of live

plant material.

Prop roots means the structures originating below the lowest limbs of red mangroves, and which are also known as stilt roots.

Rate means volume per unit of time.

Removal means to relocate, cut down, remove, or in any other manner destroy or cause vegetation to be destroyed.

Retention means the collection and storage of runoff without subsequent discharge to surface waters.

Runoff coefficient means ratio of the amount of rain that runs off a surface to that which falls on it; a factor from which runoff can be calculated.

Sediment means the mineral or organic particulate material that is in suspension or has settled in surface waters or groundwaters.

Sediment related pollutants means substances such as nutrients, pesticides, pathogens, and organic materials that are transmitted with, or in association with, sediment.

Surface water means water above the surface of the ground whether or not flowing through definite channels.

Turf means continuous plant coverage consisting of grass species suited to growth in the county.

Untrimmed mangrove means a mangrove that has not been trimmed over two successive growing seasons.

Very drought tolerant means vegetation that can survive without supplemental irrigation after establishment.

Wetlands means hydrologically sensitive areas that are identified by being inundated or saturated by surface water or groundwater with a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands shall also be defined as those areas within the regulatory jurisdiction of the department of

environmental regulation pursuant to F.S. ch. 403 and F.A.C. rules 17-3, 17-4, and 17-12. Wetlands generally include swamps, marshes, bogs and similar areas.

Window means a visual corridor through vegetation between upland properties and the waterfront.

(Code 1982, § 11.5-2)

Cross reference— Definitions generally, § 1-2.

Sec. 66-3. - Enforcement and penalties.

(a)

Generally. Unless otherwise provided, violations of this chapter are punishable as follows:

(1)

Any person who violates any provision of this chapter shall be punished as provided in section 1-14

(2)

Each individual mangrove unlawfully altered under the provisions of this chapter shall constitute a separate offense.

(3)

Violators may also be prosecuted under the provisions of chapter 2, article V of this Code, relating to town code enforcement.

(4)

In addition to other penalties provided by law, appropriate reforestation, as approved in a shoreline management plan, shall be required for violation of this chapter.

(5)

No development approvals shall be issued to any violators of this chapter until the violation has been determined to be resolved by the planning, building and

zoning department.

(6)

No alteration shall be permitted for five years on mangroves that have been planted to abate a violation of this chapter.

(7)

The selection of any of the above penalties shall not preclude the town from seeking relief in the circuit court of the county, by way of injunction or other relief.

(b)

Payment of costs. Violators of this section shall pay for all costs to the town for the review of any reforestation or other mitigation plan implementation conducted by the town.

(Code 1982, § 11.5-24(f), (g))

Secs. 66-4—66-35. - Reserved.

ARTICLE IV. - VEGETATION

ARTICLE IV. - VEGETATION [2]

DIVISION 1. - GENERALLY

Sec. 66-211. - Findings.

It is found and determined that:

(1)

Landscaping promotes the health, safety and welfare of the community by absorbing carbon dioxide and returning oxygen to the air; precipitating dust and other articles in the air; providing wildlife habitat; providing soil

stabilization; making the built environment more attractive; and helping to abate noise.

(2)

Proper landscaping and irrigation techniques can result in significant water conservation.

(3)

Landscaping provides a positive aesthetic value to the town.

(4)

Native shoreline ecosystems provide valuable shoreline stabilization and protection, wildlife habitat, and maintenance of environmental quality.

(5)

Pestilent exotic species constitute a nuisance in the town because:

a.

They have spread rapidly to many areas of the town, displacing the diverse native Florida vegetation and associated wildlife habitat, and creating ecologically undesirable vegetative monocultures.

b.

They can have adverse effects upon human health and pose safety hazards during high wind conditions.

c.

The health, safety and welfare of the present and future residents of the town are benefited by minimizing degradation of the native ecological systems of the town.

(6)

Various plant species having aesthetic, ecological, educational, historical, recreational, economic or scientific value have been classified as endangered, threatened or species of special concern and should be protected.

(Code 1982, § 11.5-6)

Sec. 66-212. - Purpose and intent.

It is the intent of the town to promote the health, safety and welfare of existing and future residents of the town by establishing minimum standards for the protection of natural plant communities, and the installation and continued maintenance of landscaping within the town, in order to:

(1)

Promote water conservation.

(2)

Maintain and improve the aesthetic appearance of the town.

(3)

Improve the environmental quality of the town.

(4)

Eradicate or control certain exotic plant species.

(5)

Protect and encourage native shoreline and wetland ecosystems.

(6)

Offer special guidelines for the removal and control of those pestilent exotic species that are particularly deleterious to native shoreline environments.

(7)

Protect listed plant species that inhabit the town.

(Code 1982, § 11.5-7)

Sec. 66-213. - Applicability.

This article shall apply to any new development or redevelopment. Provisions relating to tree removal or wetland protection apply to existing development, as noted.

(Code 1982, § 11.5-8)

Secs. 66-214—66-235. - Reserved.

DIVISION 2. - PERMITS

Sec. 66-236. - Application procedure for vegetation removal permit.

(a)

Removal permits. Vegetation removal permits, not sought in conjunction with building permits, shall be obtained by making application prior to removal, relocation or replacement to the building official or his designee, at least ten working days prior to the proposed date of removal.

(b)

Circumstances justifying issuance. Vegetation removal permits shall be issued in the following circumstances:

(1)

Where a tree, due to natural circumstances, is no longer viable, is in danger of falling, is too close to existing

structures so as to endanger such structures, interferes with utility services, creates unsafe vision clearance, or constitutes a health hazard;

(2)

Where the affected vegetation will be relocated, replaced with a suitable substitute tree, or otherwise preserved, with the exception of mangroves, which are regulated elsewhere in this chapter; or

(3)

Where tree removal is part of a plan to restore or encourage native shoreline species, either on the coastal strand, as described in section 66-81 et seq., resolution number 37-89, or along Lake Worth, as described in article III of this chapter.

(c)

Permit issuance and time limitations. Upon approval of an application, the building official or his designee shall issue a permit. Permits shall expire and become null and void if work is not commenced within 90 days from the date of permit issuance.

(Code 1982, § 11.5-21)

Secs. 66-237—66-260. - Reserved.

DIVISION 3. - PLANS

Sec. 66-261. - Plans required.

All site plans for new development and redevelopment shall be required to submit a landscape plan and irrigation plan to the architectural commission, or landmarks commission, as applicable. All plans shall be signed and sealed by a registered landscape architect, who shall guarantee that the plans meet all specifications of this chapter.

The plans shall include a drainage statement by a professional engineer registered in the state that the landscape plan is not in conflict with the stormwater management plan.

(Code 1982, § 11.5-9; Ord. No. 21-02, § 6, 11-12-02)

Sec. 66-262. - Landscaping plan.

Landscaping plans should identify:

(1)

Any historic or specimen trees located on the property.

(2)

Any threatened or endangered vegetative species contained on the Florida Natural Areas Inventory's "Special Plants List," the Florida Game and Fresh Water Fish Commission's "Official Lists of Endangered and Potentially Endangered Fauna and Flora in Florida," or a comparable list approved by the town planning, building and zoning department.

(3)

The location, size, botanical name, and common name of all existing vegetation four inches or larger in diameter on the property.

(4)

The location, species name, and common name of all proposed vegetation on the property.

(5)

The location and type of trees to be relocated or removed, and place of relocation if applicable.

(6)

All elements of an approved stormwater management plan applicable to the project, and a drainage statement by a professional engineer registered in the state that the

landscape plan is not in conflict with the stormwater management plan.

(Code 1982, § 11.5-9(a); Ord. No. 15-01, § 6, 9-11-01; Ord. No. 21-02, § 7, 11-12-02)

Sec. 66-263. - Irrigation plans.

Irrigation plans shall include:

(1)

Layout of irrigation system and identification of components.

(2)

Explanation of relationship between plant groupings and type of irrigation used.

(Code 1982, § 11.5-9(b))

Secs. 66-264—66-285. - Reserved.

DIVISION 4. - DESIGN REQUIREMENTS

Sec. 66-286. - Water conserving landscape design.

(a)

Required. The requirements for water conserving landscape designs are included in subsections (b)—(h).

(b)

Minimum landscaped open space. Minimum landscaped open space shall be required as stipulated by the lot, yard and bulk regulations in the zoning code, chapter 134

(c)

Required vegetation. The following vegetation is required:

(1)

Lawns.

a.

If very drought tolerant grass, as defined by the South Florida Water Management District "Xeriscape Guide II" (6/88) as amended, is used, not more than 70 percent of the required landscaped open space shall be planted in lawn grass.

b.

If moderate drought tolerant grass, as defined by the South Florida Water Management District "Xeriscape Guide II" (6/88) as amended, is used, not more than 60 percent of the required landscaped open space shall be planted in lawn grass.

(2)

Nonturfed areas.

a.

Nonturf areas shall be planted in mixes of trees, shrubs and ground covers.

b.

Plants shall be grouped according to their water needs, and irrigated accordingly. At least 33 percent of the groupings shall be characterized by highly or moderately drought tolerant vegetation, as defined by the "Xeriscape Plant Guide II" (6/88) as amended, produced by the South Florida Water Management District.

(d)

Irrigation sectors. Irrigation shall be designed in sectors that reflect necessary water regimes for specific groupings of vegetation.

(1)

Sprinkler sectors.

a.

Sprinkler heads irrigating lawns or other high water requirement landscape areas shall be circuited so that they are on a separate sector from those irrigating trees, shrubbery or other reduced water requirement areas.

b.

In order to prevent overthrow, low trajectory heads or low volume water distributing devices shall be used when irrigating confined areas.

c.

No more than ten percent of spray radius shall be allowed onto impervious areas.

(2)

Control systems. Automatically controlled irrigation systems shall be operated by an irrigation controller that is capable of watering high water requirement areas on a different schedule from low water requirement areas.

(3)

Smart irrigation systems.

a.

Rainfall or moisture sensing devices shall be used to avoid operation of the system during periods of increased rainfall. Any automatic irrigation system not equipped with rainfall or moisture sensing devices designed to avoid operation of the system during periods of

increased rainfall shall come into compliance on or before December 31, 2005. Rainfall or moisture sensing devices include soil moisture sensors that assess the available plant soil moisture in order to minimize the unnecessary use of water and/or rain sensors placed in the irrigation system designed to restrict operation of a sprinkler controller when precipitation has reached a pre-set quantity.

b.

1.

Evapotranspiration-based (ET) controllers are required on any automatic landscape irrigation system installed subsequent to July 15, 2010. In addition said systems are required on automatic irrigation systems when any principal structure on a property in the town is substantially altered. Substantial alteration occurs when 50 percent or more of the total sum of floor and roof areas of the principal structure is proposed to be structurally altered within a 12-month period, or in the case of any structural alteration to a principal structure, when the fair market value of the structural addition equals or exceeds 50 percent of the original structure's fair market value prior to the alteration.

2.

"Evapotranspiration-based (ET) controller" means a controller that calculates soil moisture from known weather and related inputs. An ET-based controller:

Receives and monitors weather data or on-site environmental conditions

including, but not limited to, solar radiation, wind speed, temperature, relative humidity, rainfall, and soil moisture;

Calculates or determines the amount of moisture input to and moisture lost from the soil and plants; and

Automatically creates or adjusts the irrigation schedule to apply only the amount of water that is necessary to maintain adequate soil moisture.

(4)

Applicability. This section shall apply to all licensed contractors within the jurisdiction of the town who install or perform work on automatic irrigation systems and to any person or entity which purchases or installs an automatic landscape irrigation system on their property.

a.

Any person who purchases or installs an automatic landscape irrigation system on their property must properly install, maintain, and operate the system in accordance with manufacturer specifications, technology that inhibits or interrupts operation of the system during periods of sufficient moisture, and otherwise comply with the provisions of this section.

b.

A licensed contractor who installs or performs work on an automatic landscape irrigation system must test for the correct operation of each inhibiting or interrupting device or switch on the system. If such devices are not installed, or are not functioning properly, the contractor must install new devices or repair the existing ones

and insure that each is operating properly before completing other work on the system.

c.

A licensed contractor performing work on an automatic landscape irrigation system shall report systems that are not in compliance with this section, to code enforcement personnel in the police department. Failure of a contractor to report non-compliant systems within five business days is punishable by fines as specified in the violations and penalties section of this section. A system that is repaired by the contractor and brought into compliance need not be reported.

d.

Regular maintenance and replacement of worn or broken moisture sensing equipment, such as soil moisture or rain sensors, is not a violation of this section, if such repairs are made within 30 days from the time non-compliance is noted.

e.

All contractors performing work on irrigation systems within the town shall be licensed or registered under F.S. ch. 489, and shall hold a municipally-issued license or business tax certificate that permits work on irrigation systems.

(5)

Violations and penalties.

a.

Failure of any person who purchases or installs an automatic landscape irrigation system on their property, or property managed by them, to properly install, maintain, and operate technology that inhibits or interrupts operation of the system

during periods of sufficient moisture is guilty of a violation of this section, and shall be subject to a fine of $50.00 for a first offense, $100.00 for a second offense, and $250.00 for a third or subsequent offense. A person in violation of this section may be cited for each day the system fails to be in compliance with this section.

b.

Failure of a licensed contractor to report to town code enforcement automatic landscape irrigation systems that are not in compliance with this section, which requires properly operating devices to inhibit or interrupt the operation of the irrigation system during periods of sufficient moisture, shall be subject to a fine of not less than $50.00 for a first offense, $100.00 for a second offense, and $250.00 for a third or subsequent offense.

c.

Funds generated by penalties imposed under this section shall be used by the town for the administration and enforcement of this section, and the corresponding sections of this section, and to further water conservation activities.

(e)

Water application rates. Since deep watering promotes deep root growth and healthier plant material, water shall not be applied at a precipitation rate of less than one-half inch per application.

(f)

Irrigation standards.

(1)

Irrigation of existing plant communities. Existing native plant communities and ecosystems, maintained in a natural state, do not require, and shall not have, any

additional irrigation water added in any form.

(2)

Reestablished native plant area. Newly installed native plant areas may require irrigation during the establishment period. Water during this period shall be applied from a temporary irrigation system, a water truck, or by hand watering from a standard bib source.

(3)

Cultivated and other landscape areas. Irrigation systems, either manual or automatic, may be used for the cultivated landscape areas.

(g)

Antitranspirants. In order to reduce water loss through leaves during installation, antitranspirants shall be used on all permitted landscape installation projects.

(h)

Use of organic mulches. When appropriate, a minimum of two inches of organic mulch shall be placed over all newly installed tree, shrub and ground cover planting areas.

(Code 1982, § 11.5-10; Ord. No. 25-02, § 1, 11-12-02; Ord. No. 22-10, § 1, 7-13-10)

Cross reference— Water generally, § 122-31 et seq.

Secs. 66-287—66-310. - Reserved.

DIVISION 5. - REGULATIONS

Subdivision I. - In General

Sec. 66-311. - Prohibited plants.

(a)

Prohibited species. The following plants have been shown to be pestilent exotic species and shall not be installed as landscape material, and shall be removed from property as part of development and redevelopment activity and prior to the issuance of a permit for said development and redevelopment activity or pursuant to the schedule and terms specified in subsection (c) of this section:

(1)

Australian pine (Casuarina spp.).

(2)

Brazilian pepper (Schinus terebinthefolius).

(3)

Punk or paper tree (Meleleuca quinquenervia).

(4)

Old-world climbing fern (Lygodium microphyllum).

(5)

Air potato vine (Dioscorea bulbifera).

(6)

Carrotwood (Cupaniopsis anacardiodies).

(7)

Earleaf acacia (Acacia auriculiformis).

(8)

Schefflera (Schefflera actinophylla).

(9)

Kudzu (Pueraria montana var. lobata).

(b)

Exemptions. An exemption or partial exemption from the prohibition of and removal requirements of Australian pines may be granted by the architectural commission or landmarks commission, as applicable, if the following conditions apply:

(1)

The Australian pine is used and maintained as a hedge. Failure to maintain the hedge will result in a code violation and removal of the hedge will be required.

(2)

The hedge or screen is located in an area where salt tolerant vegetation is required and where a viable aesthetic or organic option is not practical.

(3)

The Australian pine is not of the "sucker" type variety (Casuarina glauca).

(4)

The Australian pine is not directly adjacent to shoreline areas.

(5)

The Australian pine is maintained as part of the character of a landmarked district or vista such as the areas known as "Pine Walk" and "Wells Road."

———

(c)

Future removal requirements. In addition to the removal requirements set forth in subsection (a) above, a property owner shall remove or cause to be removed or eradicated the prohibited invasive non-native vegetation listed in subsection (a) above by January 1 of the year specified in the following table:

COMMON NAME	SCIENTIFIC NA
Old-World Climbing Fern	Lygodium microphyllum
Air Potato Vine	Dioscorea bulbifera
Melaleuca, Punk Tree	Melaleuca quinquenervia
Brazilian Pepper	Schinus terebinthifolius
Carrotwood	Cupaniopsis anacardiodies
Earleaf Acacia	Acacia auriculiformis
Schefflera	Schefflera actinophylla
Australian Pine*	Casuarina spp.
Kudzu	Pueraria montana var. lobata

* The 2012 date relating to the removal of the Australian Pine, Casuarina spp. shall only be applicable to Australian Pines which are within 500 feet of a county designated natural area described in subsection (d) below, i.e., the Palm Beach Island Sanctuaries.

Upon removal of the prohibited and invasive non-native vegetation specified under this section, the property owner shall maintain the property free of such prohibited invasive non-native vegetation.

(d)

Protection of natural area and incentives. The county has recognized the Palm Beach Island Sanctuaries (R43 T43 S34; R43 T44 S03/10/15) located within the town as a natural area containing high quality ecosystems that are worthy of protection. The town hereby adopts for purposes of the protection of said natural area and for purposes of the regulation of the buffer area around said natural area those sections of the County Code known as the "Palm Beach County Countywide Prohibited Invasive Non-Native Vegetation Removal Ordinance" relating to the protection and regulation of these areas. Additionally, the town adopts the incentive program offered by the county as

incorporated within the "Palm Beach County Countywide Prohibited Invasive Non-Native Vegetation Removal Ordinance."

(e)

Enforcement. Violations of this section shall be:

(1)

Failure of a property owner to remove or eradicate prohibited invasive non-native vegetation in accordance with subsections (a) and (c) of this section.

(2)

Failure of a property owner to maintain nonexempt properties free of prohibited invasive non-native vegetation in accordance with subsection (c) of this section.

The following are procedures which are to be followed for compliance and enforcement of this section.

(1)

Inspection of a parcel to determine the possible location of prohibited invasive non-native vegetation.

(2)

Preparation and provision of a notice informing the parcel owner of prohibited invasive non-native vegetation on the parcel and instructions for the removal or eradication of the vegetation and a timeframe provided for compliance. A follow up inspection is conducted.

(3)

In the event there is a failure to comply by the property owner after notice as prescribed, the failure to comply will be noticed for hearing before the town's code enforcement board.

(Code 1982, § 11.5-16; Ord. No. 19-03, § 1, 12-9-03; Ord. No. 23-2011,

§ 1, 10-11-11)

Sec. 66-312. - Protected plants.

The following shall constitute protected plants within the town:

(1)

Historic and specimen trees. Specimen trees are afforded special status and protection in the town, as per sections 126-56—126-58.

(2)

Endangered and threatened plants. Plants identified as endangered or threatened, according to the Florida Natural Areas Inventory, Florida Game and Fresh Water Fish Commission "Official Lists of Endangered and Potentially Endangered Fauna and Flora in Florida," or a comparable list approved by the town's planning, zoning and building department, shall be identified on the required landscaping plan.

(3)

Protection. Removal of designated historic and specimen trees, and vegetational species identified as endangered or threatened, shall be prohibited.

(4)

Exceptions.

a.

Permission for removal of historic or specimen trees may be obtained from the town council or from the town manager if the tree constitutes a danger to public health, safety or welfare, or otherwise requires immediate removal.

b.

When relocation is unavoidable, identified endangered or threatened species may be

transplanted to an undeveloped portion of the site, or to an approved off-site location where preservation can be ensured.

(5)

Management plan. When historic or specimen trees or endangered or threatened plants are identified, a management plan shall be presented to the architectural commission, or landmarks commission, as applicable. The management plan shall include:

a.

Methods to ensure preservation of the species, including buffer areas when appropriate.

b.

Methods to ensure protection of species while construction activity is taking place on property.

(Code 1982, § 11.5-22)

Secs. 66-313—66-335. - Reserved.

ARTICLE VI. - SOIL EROSION, SEDIMENT CONTROL AND FUGITIVE DUST

Sec. 66-441. - Findings.

(a)

Land disturbing activities can cause excessive runoff and accelerate the process of soil erosion, resulting in the damage and loss of natural resources, including the degradation of water quality.

(b)

In addition, emissions of particulate matter during construction and demolition, including but not limited to incidents caused by vehicular movement, transportation of materials, construction, alteration, demolition or wrecking of buildings or structures, or the stockpiling of particulate substances may trespass on neighboring properties and degrade air quality.

(c)

The town finds that:

(1)

Excessive quantities of soil may erode from areas undergoing development due to land disturbing activity.

(2)

Soil erosion can result in the degradation of valuable shoreline resources, such as dunes and lagoonal shoreline communities.

(3)

Sediment from soil erosion can clog storm sewers and swales, and silt navigational channels.

(4)

Sediment and sediment-related pollutants degrade wetland systems, including Lake Worth, resulting in the destruction of aquatic life and degradation of water quality.

(5)

Airborne sediments can constitute a nuisance for adjacent property owners, and degrade the quality of the air.

(Code 1982, § 11.5-71)

Sec. 66-442. - Purpose.

The purpose of this article is to safeguard persons, protect property, prevent damage to the environment, and promote the public

welfare by guiding, regulating and controlling the design, construction, use and maintenance of any development or other activity which disturbs or otherwise results in the movement on earth of land situated in the town.

(Code 1982, § 11.5-72)

Sec. 66-443. - Erosion control plan.

No person may engage in land disturbing activity until a plan has been submitted for erosion and sediment control and the plan has been approved by the town. The erosion control standards given in this article should be incorporated, as appropriate, into the erosion and sediment control plan.

(Code 1982, § 11.5-73)

Sec. 66-444. - Standards.

(a)

No land disturbing activity during periods of construction or improvement to land shall be permitted in proximity to wetlands or the shoreline of Lake Worth unless a 25-foot buffer zone is provided along the margin of the watercourse.

(b)

The angle for graded slopes and fills shall not be greater than the angle that can be retained by vegetative cover, or other adequate erosion-control, devices or structures (generally 4:1 or less). Slopes left exposed will, within ten working days of completion of any phase of grading, be planted or otherwise provided with ground cover, devices or structures sufficient to restrain erosion.

(c)

Groundcover sufficient to restrain erosion must be planted or otherwise provided on portions of cleared land upon which further construction activity is not being undertaken within 15 days of clearing.

(d)

Vegetative cover or other erosion control devices or structures

used to meet these requirements shall be properly maintained during and after construction.

(e)

Use temporary seeding or sodding, adequate covering, or chemical application, on exposed soils, including stockpiles of topsoil, sand or other construction fill, where delays in construction of more than one day are anticipated.

(Code 1982, § 11.5-74; Ord. No. 21-02, § 8, 11-12-02)

Sec. 66-445. - Exemptions.

Minor land disturbing activities, such as home gardens and individual home landscaping, repairs, maintenance work, and other related activities, provided such activities do not contribute to any on-site generated erosion, or degradation of lands or water beyond the boundaries of the property of the residence involved.

(Code 1982, § 11.5-75)

Sec. 66-446. - Violations.

In addition to other remedies for violation of this chapter, violation of this article shall constitute grounds for the issuance of a stop work order by the building official in accordance with the provisions of the building code.

(Code 1982, § 11.5-76)

FOOTNOTE(S):

--- (5) ---

Cross reference— Floods, ch. 50; stormwater management, § 86-86 et seq.; erosion protection of Ocean Boulevard, § 106-81 et seq.; stormwater control, § 122-151 et seq. (Back)

ARTICLE III. - STORMWATER MANAGEMENT

Sec. 86-86. - 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 context clearly indicates a different meaning:

Stormwater means the flow of water that results from, and that occurs immediately following, a rainfall.

Stormwater management agreement is the agreement recorded in the public records which contains the stormwater management plan and any restrictions placed on the property at the time of recordation and, if applicable, a letter from an professional engineer registered in the state stating that any underground storm water improvements have been constructed substantially in compliance with the approved storm water management plan.

Stormwater management plan means a plan illustrating the stormwater management system to be constructed to address the town's stormwater level of service during and after construction, and prepared by a professional engineer registered in the state.

Stormwater management system means the system, or combination of systems, designed to treat stormwater, or collect, convey, channel, hold, inhibit or divert the movement of stormwater on, through and/or from a site.

(Code 1982, § 11.5-2; Ord. No. 21-02, § 9, 11-12-02)

Cross reference— Definitions generally, § 1-2.

Sec. 86-87. - Purpose and intent.

This article is intended to protect, maintain and enhance both the immediate and the long-term health, safety and general welfare of the citizens of the town by protecting and maintaining the chemical, physical and biological integrity of groundwaters and surface waters through:

(1)

Preventing activities that adversely affect groundwaters and surface waters;

(2)

Minimizing runoff pollution to groundwater and surface waters; and

(3)

Minimizing erosion and sedimentation of receiving waters.

(Code 1982, § 11.5-61)

Sec. 86-88. - General provisions.

In addition to meeting the requirements of this article, the design and performance of all stormwater management systems shall comply with applicable federal and state regulations and requirements of the South Florida Water Management District. In all cases, the strictest of the applicable standards shall apply.

(Code 1982, § 11.5-62)

Sec. 86-89. - Exemptions.

The following development activities are exempt from the requirements of this article:

(1)

Maintenance activity that does not change or affect the quality, rate, volume or location of stormwater flows on the site or of stormwater runoff.

(2)

Action taken under emergency conditions to prevent imminent harm or danger to persons, or to protect property from imminent hazards, with approval from the town engineer.

(Code 1982, § 11.5-63; Ord. No. 21-02, § 10, 11-12-02)

Sec. 86-90. - Standards.

(a)

The proposed development and development activity shall not violate the water quality standards as set forth in F.A.C. rule 17-3.

(b)

The design and construction of the proposed stormwater management system will be reviewed to ensure that they do not violate guidelines incorporated in the public works department engineering standards, and will be certified as meeting the requirements of this Code by the town engineer.

(c)

No surface water shall be channeled or directed into the sanitary sewer system. This includes roof drains, yard drains, basement drains, sumps, leaders and gutters and swimming pools.

(d)

The proposed stormwater management system shall be compatible with the drainage systems or drainage ways on surrounding properties or streets.

(e)

Stormwater systems shall be designed to meet the town's adopted level of service for drainage pursuant to the town's most recently adopted edition of the town's comprehensive plan, infrastructure element, drainage.

(f)

All stormwater must run over permeable surfaces prior to discharge into the town drainage systems.

(g)

All stormwater management systems shall use soil erosion control techniques during construction, as described in section 66-441 et seq.

(h)

In phased developments, the stormwater management system for each integrated stage of completion shall be capable of functioning independently.

(i)

The characteristics of stormwater conveyed from the site should meet the public works department engineering standards, or approximate the rate, volume, quality and timing that occurred on the site under conditions preceding the proposed development, whichever is more stringent.

(j)

Reserved.

(k)

A stormwater management agreement, including a certified copy of the approved as-built storm drainage plans as prepared by a certified professional land surveyor, and, if applicable, a letter from an engineer registered in the state stating that any underground storm water improvements have been constructed substantially in compliance with the approved stormwater management plan, shall be recorded in the public records of the county prior to issuance of a certificate of occupancy and shall constitute notice to any subsequent purchasers, successors in interest, or assigns of the approved storm water management plan applicable to the property. All modifications to property which may alter the drainage plan must be approved by the town engineer and revised as-built storm drainage plans recorded in the public records of the county if required.

(Code 1982, § 11.5-64; Ord. No. 15-01, § 7, 9-11-01; Ord. No. 21-02, § 11, 11-12-02; Ord. No. 31-10, § 1, 1-11-11)

Sec. 86-91. - Stormwater management plan.

(a)

A stormwater management plan shall be submitted at the time of application to the town council, architectural commission,

landmark preservation commission or at the time of submission for building permits as applicable for all projects involving commercial or residential development or redevelopment, which exceed the threshold requirements contained in section 86-95. The stormwater management plan shall contain sufficient information to allow the town engineer to determine whether the proposed development meets the requirements of this section. Properties with site-specific conditions which prevent conformance to the requirements of this article may be exempted from certain of the requirements of this article upon approval by the town engineer if deemed appropriate.

(b)

The following specific information shall be submitted:

(1)

Topographic map of the site clearly showing the location, identification and elevation of benchmarks. The contour interval of the topographic map shall not be greater than one foot.

(2)

An overall project area map showing existing hydrography and runoff patterns, and the size, location, topography, and land use of any off-site areas that drain onto, through or from the project area.

(3)

A map of vegetative cover if wetlands or other specially protected vegetation is present.

(4)

A map showing the locations of any soil borings or percolation tests. Percolation tests representative of design conditions shall be performed if the stormwater management system will use swales, percolation (retention), or exfiltration (detention with filtration) designs.

(5)

Grading plans specifically describing the interface of the proposed development with abutting properties.

(6)

Paving, road and building plan showing the location, dimensions and specifications of roads and buildings (including ground or finished floor elevations).

(7)

An erosion and sedimentation control plan that describes the type and location of control measures, the stage of development at which they will be put into place or used, and maintenance provisions.

(8)

Any other requirements deemed by the town engineer to be necessary due to unique site or design conditions.

(Code 1982, § 11.5-65; Ord. No. 15-01, § 8, 9-11-01; Ord. No. 21-02, § 12, 11-12-02)

Sec. 86-92. - Compliance.

(a)

A stormwater management agreement shall be recorded in the public records of the county prior to issuance of a certificate of occupancy or certificate of completion, which shall include the following:

(1)

A certified copy of the approved record drawings of storm drainage plans as prepared by a certified professional land surveyor;

(2)

A letter from a professional engineer registered in the state stating that any underground storm water improvements have been constructed substantially in compliance with the approved storm water management

plan; and

(3)

A statement signed by the owner acknowledging that the owner is responsible for the proper maintenance and operation of the storm drainage system as shown on the recorded stormwater management plan.

The recorded stormwater management agreement shall constitute notice to any subsequent purchasers, successors in interest, or assigns of the approved storm water management plan applicable to the property. All subsequent modifications to property which may alter the drainage plan must be approved by the town engineer and if so required, revised record drawings recorded in the public records of the county.

(b)

The property owner will be required to submit a certification to the town from a professional engineer registered in the state every five years commencing from the date of recordation of the stormwater management agreement that stormwater management improvements as recorded in the stormwater management plan continue to be in compliance with the approved plan. Any person found guilty of violation of this article shall be subject to the code enforcement provisions set forth in chapter 2, article V of this Code.

(Ord. No. 21-02, § 15, 11-12-02)

Sec. 86-93. - Stormwater management system requirements.

A description of the proposed stormwater management system shall be provided to include the following information:

(1)

Channel, direction, flow rate and volume of stormwater that will be conveyed from the site, with a comparison to natural or existing conditions.

(2)

Detention and retention areas, including plans for the

discharge of contained waters, maintenance plans and predictions of surface water quality changes.

(3)

Areas of the site to be used or reserved for percolation.

(4)

Location of all water bodies to be included in the surface water management system (natural and artificial) with details of hydrography, side slopes, depths, and water-surface elevations or hydrographs.

(5)

Any off-site rights-of-way required for the proper functioning of the system.

(6)

Drainage basin or watershed boundaries identifying locations of routes of off-site water onto, through or around the project.

(7)

Rights-of-way and easements for the system, including locations and a statement of the nature of the reservation of all areas to be reserved as part of the stormwater management system.

(8)

The entity or agency responsible for the operation of the stormwater management system.

(Code 1982, § 11.5-66; Ord. No. 21-02, § 14, 11-12-02)

Editor's note—

Ord. No. 21-02, §§ 13, 14, adopted Nov. 12, 2002, repealed section 86-93 in its entirety and renumbered former section 86-92 as new section 86-93. Former section 86-93 pertained to exemptions and derived from the Code of 1982, § 11.5-67; and Ord. No. 15-01, §

9, adopted Sept. 11, 2001.

Sec. 86-94. - Reserved.

Sec. 86-95. - Threshold requirements.

The following projects involving commercial or residential development or redevelopment are considered as having met the threshold requirement:

(1)

The proposed work exceeds 25 percent of the market value of the property;

(2)

The proposed work includes the construction of a new swimming pool;

(3)

The proposed work includes the redevelopment of more than 20 percent of landscaped open space, 20 percent of the impervious area of the site including buildings, patios, etc., or a combination thereof which exceeds 20 percent;

(4)

The proposed work includes new driveways or parking areas;

(5)

The proposed work includes replacement or reconstruction of parking areas other than parking areas designed for less than three residential units; or

(6)

Other development as may be deemed appropriate by the town engineer.

(Ord. No. 21-02, § 16, 11-12-02)

FOOTNOTE(S):