



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 email to the NPDES Stormwater Program Administrator or to the MS4 coordinator. Their names and email addresses are available at: <http://www.dep.state.fl.us/water/stormwater/npdes/contacts.htm>. If files are larger than 10mb, materials may be placed on the NPDES Stormwater ftp site at: ftp://ftp.dep.state.fl.us/pub/NPDES_Stormwater/. After uploading the ANNUAL REPORT files, an email must be sent to the MS4 coordinator or the NPDES program administrator notifying them the report is ready for downloading
- Refer to the Form Instructions for guidance on completing each section.
- **Please print or type information in the appropriate areas below**

SECTION I. BACKGROUND INFORMATION	
A.	Permittee Name: Polk County / Town of Lake Hamilton
B.	Permit Name: Polk County Municipal Separate Storm Sewer System
C.	Permit Number: FLS000015-003 (Cycle 3)
D.	Annual Report Year: <input type="checkbox"/> Year 1 <input checked="" type="checkbox"/> Year 2 <input type="checkbox"/> Year 3 <input type="checkbox"/> Year 4 <input type="checkbox"/> Year 5 <input type="checkbox"/> Other, specify Year:
E.	Reporting Time Period (month/year): September / 2012 through September / 2013
F.	Name of the Responsible Authority: J.D. Johnson
	Title: Public Works Supervisor
	Mailing Address: P.O. Box 126
	City: Lake Hamilton Zip Code: 33851 County: Polk
	Telephone Number: 863-439-1910 Fax Number: 863-439-1421
	E-mail Address: pwlakehamilton@yahoo.com;sara@townoflakehamilton.com
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above):
	Title: N/A
	Department: N/A
	Mailing Address: N/A
	City: N/A Zip Code: N/A County: N/A
	Telephone Number: Fax Number:
E-mail Address: N/A	

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? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable)
B.	Number of outfalls REMOVED from the outfall inventory in the current reporting year (insert "0" if none):0 (Does this number include non-major outfalls? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable)
C.	Is the change in the total number of outfalls due to lands annexed or vacated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable

SECTION III. MONITORING PROGRAM

A.	Provide a brief statement as to the status of monitoring plan implementation: <i>There are no outfalls within the Town's MS4.</i>
B.	Provide a brief discussion of the monitoring results to date: <i>There are no outfalls within the Town's MS4.</i>
C.	Attach a monitoring data summary, as required by the permit. <i>There are no outfalls within the Town's MS4. N/A</i>

SECTION IV. FISCAL ANALYSIS

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: \$49,000 <i>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.</i>
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$49,000

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):

<u>Attached</u>	<u>N/A</u>	***DEP Note: Please complete Checklists A & B at the end of the tailored form.***
<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	A monitoring data summary as directed in Section III.C above and in accordance with Rule 62-624.600(2)(c), F.A.C.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	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): J.D. Johnson

Title: Public Works Supervisor

Signature: J.D. Johnson Date: 03 / 27 / 14

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								
<p>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.</p> <p><i>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.</i></p> <p>Provide an inventory of all known major outfalls covered by the permit and a map depicting the location of the major outfalls (hard copy or CD-ROM). Provide the outfall inventory and map with the Year 1 Annual Report. There are no outfalls within the Town’s MS4.</p> <p>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.</p> <p><i>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.</i></p>									
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		3	4	100%			NPDES SOP in Compliance Binder	Town of Lake Hamilton Utilities Department	
MS4 pipes / culverts (miles)		1	4	100%			“	“	
Inlets / catch basins / grates		50	4	50%			“	“	
Ditches / conveyance swales (miles)		7	4	100%			“	“	

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	<p>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</p>	<p>There are no major outfalls within the Town's MS4</p>			
<p>Part III.A.2</p>	<p>Areas of New Development and Significant Redevelopment</p>				
	<p>Report the number of significant redevelopment projects reviewed by the permittee for post-development stormwater considerations. <i>DEP Note: Please provide an explanation in Column F for any "0" reported in Column C.</i></p>				
	<p>Number of significant redevelopment projects reviewed</p>				
	<p>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. N/A</p>				
	<p><i>DEP Note: 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.</i></p>				
	<p>Year 2 ONLY: Attach the summary report of the review activity Year 4 ONLY: Attach the follow-up report on plan implementation</p>	<p>N/A N/A</p>			
<p>Part III.A.3</p>	<p>Roadways</p>				
	<p>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.</p>				
	<p><i>DEP Note: Please provide an explanation in Column F for any "0" reported in Column C. In addition, the permittee may choose its own units of measurement for the reporting items. Unit options for the amount of litter include: bags, cubic yards, pounds, tons. Unit options for the amount of area covered by the activity include: square feet, linear feet, yards, miles, acres. If all litter collection is performed by staff or by contractors, but not by both, please remove the non-applicable reporting items.</i></p>				
	<p>PERMITTEE Litter Control Program: Frequency of litter collection</p>	<p>Daily</p>	<p>SOP/Job Description Town of Lake Hamilton Utilities Dept.</p>	<p>Town of Lake Hamilton</p>	
	<p>PERMITTEE Litter Control Program: Estimated amount of area maintained (miles)</p>	<p>21.36</p>	<p>"</p>	<p>"</p>	
	<p>PERMITTEE Litter Control Program: Estimated amount of litter collected (tons)</p>		<p>"</p>	<p>"</p>	
	<p>CONTRACTOR Litter Control Program: Frequency of litter collection</p>	<p>N/A</p>			
	<p>CONTRACTOR Litter Control Program: Estimated amount of area</p>	<p>N/A</p>			

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	<p style="text-align: right;">maintained (linear feet)</p> <p>CONTRACTOR Litter Control Program: Estimated amount of litter collected (cubic yards)</p>	N/A			
	<p>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.</p> <p><i>DEP Note: 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.</i></p>				
	Trash Pick-up Events: Total miles cleaned	N/A			
	Trash Pick-up Events: Estimated amount of litter collected (cubic yards)	N/A			
	Adopt-A-Road Program: Total miles cleaned	N/A			
	Adopt-A-Road Program: Estimated amount of litter collected (cubic yards)	N/A			
	<p>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.</p> <p><i>DEP Note: Please provide an explanation in Column F for any "0" reported in Column C. Also, the permittee may choose its own unit of measurement for the amount of sweeping material collected. Unit options include: cubic yards, pounds, tons.</i></p> <p><i>DEP Note: If the permittee has curbs and gutters but no street sweeping program is implemented, the permittee must provide an explanation of why not in the Year 1 Annual Report. Refer to Part III.A.3 of the permit for the information that must be included in the explanation (including the alternate BMPs used or planned in lieu of street sweeping). Please provide the title of the attached explanation in Column D and the name of the entity who finalized the explanation in Column E.</i></p>				
	Frequency of street sweeping	<p><i>The Town does not conducted street sweeping as it is not required based on the Town's and system's needs – however, when silt/sand collects on the road the Town staff clears it up.</i></p>			
	Total miles swept (per year)				
	Estimated quantity of sweeping material collected (cubic yards)				
	Total nitrogen loadings removed (pounds)				

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	<p align="center">Total phosphorus loadings removed (pounds) Year 1 ONLY: If have curbs and gutters, attach explanation of why no street sweeping program and the alternate BMPs used or planned</p> <p>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.</p> <p><i>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.</i></p>	<p align="center">Number of Inspections</p>			
Part III.A.4	Flood Control Projects				
	<p>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.</p> <p><i>DEP Note: A "stormwater retrofit project" is one implemented primarily to provide stormwater treatment for areas currently without treatment.</i></p> <p><i>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.</i></p> <p><i>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.</i></p>				
	Flood control projects completed during the reporting period	N/A			
	Flood control projects completed during the reporting period that did <u>not</u> include stormwater treatment	N/A			
	ATTACH a list of the flood control projects that did <u>not</u> include stormwater treatment and an explanation for each of why it was not	N/A			
	Stormwater retrofit projects planned	N/A			
	Stormwater retrofit projects under construction during the reporting period	N/A			
	Stormwater retrofit projects completed during the reporting period	N/A			

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Part III.A.5	Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit				
	<p>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:</p> <ul style="list-style-type: none"> • Operating municipal landfills; • Municipal waste transfer stations; • Municipal waste fleet maintenance facilities; and • Any other municipal waste treatment, waste storage, and waste disposal facilities. <p>Report the number of applicable facilities and the number of the inspections conducted for each facility.</p> <p><i>DEP Note: The permittee needs to "customize" this section by listing the names of the applicable facilities in Column B and the number of inspections of each facility in Column C. Add more rows if necessary. If "0" is reported in Column C for the number of inspections conducted and the permittee has one or more applicable facilities, please provide an explanation in Column F for why no inspections were conducted. An applicable facility under Part III.A.5 includes, but is not limited to, those facilities/yards where street sweeping material and/or yard waste are temporary stockpiled, and where solid waste collection vehicles are parked and/or maintained. In addition, if the same facility is applicable under both Parts III.A.3 and III.A.5 of the permit, the same site inspection can count towards both inspection requirements as long as it covers the applicable waste area(s). Be sure to report the site inspection under both Parts III.A.3 and III.A.5.</i></p>				
		Number of Inspections			
	Name of facility #1:	N/A			
	Name of facility #2:	N/A			
	Name of facility #3:	N/A			
	Name of facility #4:	N/A			
Part III.A.6	Pesticides, Herbicides, and Fertilizer Application				
	<p>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.</p> <p><i>DEP Note: 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.</i></p>				
	PERSONNEL: Florida Department of Agriculture and Consumer Services (FDACS) certified applicators of pesticides and herbicides				Town did not apply any fertilizer, pesticides, herbicides within it's MS4

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	<p>CONTRACTORS: FDACS certified/licensed applicators of pesticides and herbicides</p> <p>CONTRACTORS: FDACS certified/licensed applicators of fertilizer</p> <p>PERSONNEL: Green Industry BMP Program training completed</p> <p>CONTRACTORS: Green Industry BMP Program training completed</p>				
	<p>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 <u>all local governments within the watershed of a nutrient-impaired water body</u> 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. <u>The ordinance shall be adopted within 24 months of the date of permit issuance.</u> Provide a copy of the adopted ordinance with the subsequent Year 1 or Year 2 Annual Report.</p> <p><i>DEP Note: 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.</i></p> <p><i>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.</i></p>				
	Year 1 or Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance	Year 2			
	<p>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.</p> <p><i>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. The permittee may add more specifics to the reporting items, such as the name of the brochure or newsletter distributed. If "0" is reported in Column C for all the reporting items please include in Column F an explanation for why no outreach was performed.</i></p> <p><i>DEP Note: Polk County is to report the public education and outreach activities that it performed county-wide (and not just in the unincorporated areas of Polk County). The co-permittees are to report just the public education and outreach activities that they performed.</i></p> <p><i>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:</i></p> <p style="text-align: center;">FYN PROGRAM FUNDING: Permittee Provides Funding? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Amount of Funding = \$</p>				
	<p>Estimated percentage of the population reached by the activities in total</p> <p>Brochures/Flyers/Fact sheets distributed</p> <p>FYN: Brochure/Flyers/Fact sheets distributed</p>	<p>30%</p> <p>100</p>	<p>Estimate based on Town & County effort</p> <p>NPDES Compliance binder and Town Hall</p>	<p>Town of Lake Hamilton</p> <p>Town of Lake Hamilton</p> <p>FYN</p>	

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	Neighborhood presentations: Number conducted				
	FYN: Neighborhood presentations: Number of participants			FYN	
	FYN: Neighborhood presentations: Number conducted			FYN	
	Neighborhood presentations: Number of participants				
	Newspapers & newsletters: Number of articles/notices published				
	Newsletters: Number of newsletters distributed				
	Public displays (e.g., kiosks, storyboards, posters, etc.)				
	FYN: Public displays (e.g., kiosks, storyboards, posters, etc.)			FYN	
	Radio or television Public Service Announcements (PSAs)	Please refer to PC records.	PGTV playback server – Polk County	Polk County Communications Division	
	FYN: Radio or television Public Service Announcements (PSAs)			FYN	
	School presentations: Number conducted				
	School presentations: Number of participants				
	FYN: School presentations: Number conducted			FYN	
	FYN: School presentations: Number of participants			FYN	
	Seminars/Workshops: Number conducted				
	Seminars/Workshops: Number of participants				
	FYN: Seminars/Workshops: Number conducted			FYN	
	FYN: Seminars/Workshops: Number of participants			FYN	
	Special events: Number conducted				
	Special events: Number of participants				
	FYN: Special events: Number conducted			FYN	
	FYN: Special events: Number of participants			FYN	
	Web Site: Number of hits / visitors to the stormwater-related pages				
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.				
	<i>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.</i>				
	ATTACH a report on any amendments to the applicable legal authority				
Part III.A.7.c	Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal				
	During Year 1 of the permit, develop and implement a written proactive inspection program plan for identifying and eliminating sources of illicit discharges, illicit connections, or dumping to the MS4. Report on the proactive inspection program, including the number of inspections conducted, the number of illicit activities found, and the number and type of enforcement actions taken.				
	<i>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</i>				

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	<p><i>activity, if necessary.</i></p> <p><i>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 / circuses) 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.</i></p> <p><i>DEP Note: Polk County is to report the ONLY the proactive inspections it performed in the unincorporated areas of Polk County – any proactive inspections it performed in the co-permittees’ jurisdictions are to be reported by the co-permittees. Each co-permittee is to report the Polk County proactive inspections in their jurisdiction separately from the proactive inspections that the co-permittee performed itself.</i></p> <p><i>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.</i></p>				
	Proactive inspections performed by Polk County for suspected illicit discharges / connections / dumping	0			
	Proactive inspections performed by the permittee for suspected illicit discharges / connections / dumping	4	NPDES Compliance Binder - Lake Hamilton SOP	Town of Lake Hamilton	
	Illicit discharges / connections / dumping found during a proactive inspection	0			
	Notices of Violation (NOVs) / warning letters / citations issued for illicit discharges / connections / dumping found during a proactive inspection	0			
	Fines issued for illicit discharges / connections / dumping found during a proactive inspection	0			
	Year 1 ONLY: Attach the written proactive inspection program plan				
	<p>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.</p> <p>If a permittee relies on Polk County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Polk County shall make available) the necessary annual report information from the County.</p> <p><i>DEP Note: Polk County is to report the ONLY the reactive inspections it performed in the unincorporated areas of Polk County – any reactive inspections it performed in the co-permittees’ jurisdictions are to be reported by the co-permittees. Each co-permittee is to report the Polk County reactive inspections in their jurisdiction separately from the reactive inspections that the co-permittee performed itself.</i></p> <p><i>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.</i></p>				
	Reports received by Polk County of suspected illicit connections / discharges / dumping received	0			

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
	Reports received by the permittee of suspected illicit connections / discharges / dumping received		0			
	Reactive investigations of reports of suspected illicit discharges/ connections / dumping		0			
	Illicit discharges / connections / dumping found during a reactive investigation		0			
	Notices of Violation (NOVs) / warning letters / citations issued for illicit discharges / connections / dumping found during a reactive investigation		0			
	Fines issued for illicit discharges / connections / dumping found during a reactive investigation		0			
	<p>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) <u>and contractors</u> to identify and report conditions in the stormwater facilities that may indicate the presence of illicit discharges/ connections/dumping to the MS4. Refresher training shall be provided annually. Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training).</p> <p><i>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.</i></p>					
		Initial Training	Refresher Training			
	Personnel trained	0				Due to the Town staff turnover training has not been conducted. The Town has already selected several training opportunities for staff in the next reporting period.
	Contractors trained	0				
Part III.A.7.d	Illicit Discharges and Improper Disposal — Spill Prevention and Response					
	<p>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. If a permittee relies on the Polk County Fire Rescue or Fire Services Division to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Polk County Fire Rescue/Fire Services Division shall make available) the necessary annual report information from the County.</p> <p><i>DEP Note: The permittee may report the number of hazardous material spills separately from the number of non-hazardous material spills, <u>or</u> report one combined number, to more accurately reflect its tracking of these spills.</i></p>					
	Hazardous and non-hazardous material spills responded to					

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
	<p>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) <u>and contractors</u> on proper spill prevention, containment, and response techniques and procedures. Refresher training shall be provided annually. Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training).</p> <p><i>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. Due to Town staff turnover, training has not been conducted. The Town has already selected several training opportunities for staff in the next reporting period.</i></p>					
		Initial Training	Refresher Training			
	Personnel trained	0				Due to the Town staff turnover training has not been conducted. The Town has already selected several training opportunities for staff in the next reporting period.
	Contractors trained	0				
Part III.A.7.e	Illicit Discharges and Improper Disposal — Public Reporting					
	<p>During Year 1 of the permit, develop and implement a written public education and outreach program plan to promote, publicize, and facilitate public reporting of the presence of illicit discharges and improper disposal of materials into the MS4. Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the public reporting of suspected illicit discharges and improper disposal of materials, including the type and number of activities conducted, the type and number of materials distributed, the percentage of the population reached by the activities in total, and the number of Web site visits (if applicable).</p> <p><i>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. The permittee may add more specifics to the reporting items, such as the name of the brochure or newsletter distributed. If "0" is reported in Column C for all the reporting items, please include in Column F an explanation for why no outreach was performed.</i></p> <p><i>DEP Note: Polk County is to report the public education and outreach activities that it performed county-wide (and not just in the unincorporated areas of Polk County). The co-permittees are to report just the public education and outreach activities that they performed.</i></p>					
	Estimated percentage of the population reached by the activities in total		10%	Estimate based on Town & County effort	Estimate based on Town & County effort	
	Publicize the Polk County or local Pollution Complaint Hotline					

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
	<p align="center">Brochures/Flyers/Fact sheets distributed</p> <p align="center"> Neighborhood presentations: Number conducted Neighborhood presentations: Number of participants Newspapers & newsletters: Number of articles/notices published Newsletters: Number of newsletters distributed Public displays (e.g., kiosks, storyboards, posters, etc.) Radio or television Public Service Announcements (PSAs) School presentations: Number conducted School presentations: Number of participants Seminars/Workshops: Number conducted Seminars/Workshops: Number of participants Special events: Number conducted Special events: Number of participants Web Site: Number of visitors to the stormwater-related pages </p>	100	NPDES Compliance Binder and Town Hall	Town of Lake Hamilton	
Part III.A.7.f	Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control				
	<p>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. On a routine basis, inform the public of the locations of collection facilities for these materials, including a description of the types of materials accepted and the hours of operation. 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).</p> <p><i>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 items of "Estimated percentage of the population reached by the activities in total" and "Publicize the Polk County Home Chemical Collection Program" must remain. The permittee may add more specifics to the reporting items, such as the name of the brochure or newsletter distributed. If "0" is reported in Column C for all the reporting items, please include in Column F an explanation for why no outreach was performed.</i></p> <p><i>DEP Note: Polk County is to report the public education and outreach activities that it performed county-wide (and not just in the unincorporated areas of Polk County). The co-permittees are to report just the public education and outreach activities that they performed.</i></p>				
	<p>Estimated percentage of the population reached by the activities in total</p> <p align="center">Publicize the Polk County Home Chemical Collection Program Brochures/Flyers/Fact sheets distributed</p> <p align="center">Household Hazardous Waste (HHW) Collection Day: Events HHW Collection Day: Amount of waste collected/recycled/properly</p>	20%	Estimate based on Town & County effort	Town of Lake Hamilton	
		100	NPDES Compliance binder and Town Hall	Town of Lake Hamilton	

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
	disposed (tons) Neighborhood presentations: Number conducted Neighborhood presentations: Number of participants Newspapers & newsletters: Number of articles/notices published Newsletters: Number of newsletters distributed Public displays (e.g., kiosks, storyboards, posters, etc.) Radio or television Public Service Announcements (PSAs) School presentations: Number conducted School presentations: Number of participants Seminars/Workshops: Number conducted Seminars/Workshops: Number of participants Special events: Number conducted Special events: Number of participants Storm sewer inlets newly marked/replaced Web Site: Number of visitors to the stormwater-related pages				
Part III.A.7.g	Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage				
	<p>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.</p> <p><i>DEP Note: The permittee needs to "customize" this section as it pertains to the type of activities undertaken to reduce or eliminate SSOs and inflow / infiltration into the MS4. The first three reporting items below are examples.</i></p> <p><i>DEP Note: The permittee should contact the appropriate authorities for accurate reporting information, such as the sanitary sewer system operator who is responsible for investigating and eliminating SSOs and the local health department who is responsible for permitting/overseeing septic tank systems.</i></p> <p><i>DEP Note: Report only the SSOs and inflow / infiltration incidents into the MS4.</i></p>				
	Activity to reduce/eliminate SSOs and inflow / infiltration: Repair / lining of sanitary sewer system	N/A	There is no Sanitary Sewage within the Town's MS4	There is no Sanitary Sewage within the Town's MS4	
	Activity to reduce/eliminate SSOs and inflow / infiltration: Septic systems removed	N/A			
	Activity to reduce/eliminate SSOs and inflow / infiltration: Emergency generator added	N/A			
	SSO incidents discovered	N/A			
	SSO incidents resolved	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			
	Inflow/ infiltration incidents discovered Inflow/ infiltration incidents resolved Name of owner of the sanitary sewer system	N/A						
		N/A						
		N/A						
Part III.A.8.a	Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections							
	<p>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:</p> <ul style="list-style-type: none"> • 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. <p>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. If a permittee relies on Polk County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Polk County shall make available) the necessary annual report information from the County.</p> <p><i>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.</i></p> <p>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. If a permittee relies on Polk County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Polk County shall make available) the necessary annual report information from the County.</p> <p><i>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.</i></p> <p><i>DEP Note: Polk County is to report ONLY the inventory of high risk facilities in the unincorporated areas of Polk County – the inventory of high risk facilities located in the co-permittees’ jurisdictions are to be reported by the co-permittees. Likewise, the County is to report ONLY the high risk facility inspections it performed in the unincorporated areas of Polk County – any high risk facility inspections it performed in the co-permittees’ jurisdictions are to be reported by the co-permittees. Each co-permittee is to obtain the necessary information from Polk County that pertains to its jurisdiction.</i></p>							
		Number of Facilities	Number of Inspections	For violations discovered during a high risk inspection				
				Fines issued	Notices of Violation (NOVs) /warning letters/citations			

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
					issued			
	Total high risk facilities	0						
	New high risk facilities added to the inventory during the current reporting period	0						
	Operating municipal landfills	0						
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	0						
	EPCRA Title III, Section 313 facilities (that are not landfills or HWTSDR facilities)	0						
	Facilities determined as high risk by the permittee through the proactive inspections as per Part III.A.7.c	0						
	Other facilities determined as high risk by the permittee (that are <u>not</u> facilities identified through the proactive inspections)	0						
Part III.A.8.b	Industrial and High-Risk Runoff — Monitoring for High Risk Industries							
	<p>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. If a permittee relies on Polk County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Polk County shall make available) the necessary annual report information from the County. Report the number of high risk facilities sampled.</p> <p><i>DEP Note: Polk County is to report ONLY the number of high risk facilities in the unincorporated areas of Polk County that were sampled – the high risk facilities located in the co-permittees’ jurisdictions that were sampled by the County are to be reported by the co-permittees.</i></p>							
					High risk facilities sampled			
Part III.A.9.a	Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices							
	<p>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 reviewed for stormwater, erosion, and sedimentation controls, and the number approved.</p> <p><i>DEP Note: Please provide an explanation in Column F for any “0” reported in Column C.</i></p>							
					PERMITTEE SITES: Construction site plans reviewed			
					PERMITTEE SITES: Construction site plans approved			
					PRIVATE SITES: Construction site plans reviewed			
					PRIVATE SITES: Construction site plans approved			

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																																																		
	<p>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.</p> <p><i>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.</i></p>																																																						
	<p>Notified of ERP stormwater permit requirements</p> <p>Confirmed ERP coverage</p>																																																						
	<p>Notified of CGP stormwater permit requirements</p> <p>Confirmed CGP coverage</p>	N/A																																																					
<p>Part III.A.9.b</p>	<p>Construction Site Runoff — Inspection and Enforcement</p>																																																						
	<p>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.</p> <p><i>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.</i></p> <p><i>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.</i></p> <table border="1" data-bbox="218 1024 2013 1365"> <tr> <td data-bbox="218 1024 1096 1049">PERMITTEE SITES:Active construction sites</td> <td data-bbox="1096 1024 1325 1049"></td> <td data-bbox="1325 1024 1577 1049"></td> <td data-bbox="1577 1024 1801 1049"></td> <td data-bbox="1801 1024 2013 1049"></td> </tr> <tr> <td data-bbox="218 1049 1096 1105">PERMITTEE SITES:Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs</td> <td data-bbox="1096 1049 1325 1105"></td> <td data-bbox="1325 1049 1577 1105"></td> <td data-bbox="1577 1049 1801 1105"></td> <td data-bbox="1801 1049 2013 1105"></td> </tr> <tr> <td data-bbox="218 1105 1096 1138">PERMITTEE SITES: Percentage of active construction sites inspected</td> <td data-bbox="1096 1105 1325 1138"></td> <td data-bbox="1325 1105 1577 1138"></td> <td data-bbox="1577 1105 1801 1138"></td> <td data-bbox="1801 1105 2013 1138"></td> </tr> <tr> <td data-bbox="218 1138 1096 1162">PRIVATE SITES:Active construction sites</td> <td data-bbox="1096 1138 1325 1162">0</td> <td data-bbox="1325 1138 1577 1162"></td> <td data-bbox="1577 1138 1801 1162"></td> <td data-bbox="1801 1138 2013 1162"></td> </tr> <tr> <td data-bbox="218 1162 1096 1219">PRIVATE SITES:Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs</td> <td data-bbox="1096 1162 1325 1219">0</td> <td data-bbox="1325 1162 1577 1219"></td> <td data-bbox="1577 1162 1801 1219"></td> <td data-bbox="1801 1162 2013 1219"></td> </tr> <tr> <td data-bbox="218 1219 1096 1252">PRIVATE SITES: Percentage of active construction sites inspected</td> <td data-bbox="1096 1219 1325 1252">0</td> <td data-bbox="1325 1219 1577 1252"></td> <td data-bbox="1577 1219 1801 1252"></td> <td data-bbox="1801 1219 2013 1252"></td> </tr> <tr> <td data-bbox="218 1252 1096 1276">Notices of Violation (NOVs)/warning letters/citations issued</td> <td data-bbox="1096 1252 1325 1276">0</td> <td data-bbox="1325 1252 1577 1276"></td> <td data-bbox="1577 1252 1801 1276"></td> <td data-bbox="1801 1252 2013 1276"></td> </tr> <tr> <td data-bbox="218 1276 1096 1300">Stop Work Orders issued</td> <td data-bbox="1096 1276 1325 1300">0</td> <td data-bbox="1325 1276 1577 1300"></td> <td data-bbox="1577 1276 1801 1300"></td> <td data-bbox="1801 1276 2013 1300"></td> </tr> <tr> <td data-bbox="218 1300 1096 1325">Fines issued</td> <td data-bbox="1096 1300 1325 1325">0</td> <td data-bbox="1325 1300 1577 1325"></td> <td data-bbox="1577 1300 1801 1325"></td> <td data-bbox="1801 1300 2013 1325"></td> </tr> <tr> <td data-bbox="218 1325 1096 1365">Year 1 ONLY: Attach the written construction site inspection program plan</td> <td data-bbox="1096 1325 1325 1365"></td> <td data-bbox="1325 1325 1577 1365"></td> <td data-bbox="1577 1325 1801 1365"></td> <td data-bbox="1801 1325 2013 1365"></td> </tr> </table>					PERMITTEE SITES:Active construction sites					PERMITTEE SITES:Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs					PERMITTEE SITES: Percentage of active construction sites inspected					PRIVATE SITES:Active construction sites	0				PRIVATE SITES:Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs	0				PRIVATE SITES: Percentage of active construction sites inspected	0				Notices of Violation (NOVs)/warning letters/citations issued	0				Stop Work Orders issued	0				Fines issued	0				Year 1 ONLY: Attach the written construction site inspection program plan				
PERMITTEE SITES:Active construction sites																																																							
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Notices of Violation (NOVs)/warning letters/citations issued	0																																																						
Stop Work Orders issued	0																																																						
Fines issued	0																																																						
Year 1 ONLY: Attach the written construction site inspection program plan																																																							
<p>Part III.A.9.c</p>	<p>Construction Site Runoff — Site Operator Training</p> <p>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</p>																																																						

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
	<p>operators. Provide training for permittee personnel (employed by or under contract with the permittee) involved in the site plan review, inspection or construction of stormwater management, erosion, and sedimentation controls. Also provide training for private construction site operators. All permittee inspectors (employed by or under contract with the permittee) 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. Refresher training shall be provided annually. Report the 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 construction site operators trained by the permittee.</p> <p><i>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 construction site operators during the applicable reporting year.</i></p> <p><i>DEP Note: The permittee should report only the number of staff and private construction site operators trained / certified during the applicable reporting year, and then note in Column F the number of staff who were previously trained / certified. Private site operator training can include pre-construction meetings.</i></p>						
	Inspector Certification Training	Non-inspector Initial Training (non-certification)	Refresher Training				
Permittee construction site inspectors							
Permittee construction site plan reviewers	<p>The Town of Lake Hamilton contracts site review to the Haines City Building Department and Envisors periodically. Inspection of most civil municipal sites are also conducted by EVI. As such, the Town does not have trained personnel on staff. The Town has already identified means to improve in this category.</p>						
Permittee construction							

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
	site operators	N/A					
	Private construction site operators						

SECTION VIII. EVALUATION OF THE STORMWATER MANAGEMENT PROGRAM (SWMP)

Permit Citation/ SWMP Element	SWMP EVALUATION	
A.	Part II.A.1 Structural control inspection and maintenance	Strengths: Activities were conducted thoroughly and regularly.
		Weaknesses: Activities do not seem to have been recorded as accurately as possible. The Town will improve in the next reporting period.
		SWMP Revisions to address deficiencies: A checklist has been provided to the Town staff to better record this activity.
	Part II.A.2 Significant redevelopment	Strengths: The Town of Lake Hamilton has a small size MS4 that is durable and reliable.
		Weaknesses: There is no funding available should future needs arise.
		SWMP Revisions to address deficiencies: The Town of Lake Hamilton is currently investigating opportunities to generate a stormwater master plan.
	Part II.A.3 Roadways	Strengths: Activities were conducted thoroughly and regularly.
		Weaknesses: Activities do not seem to have been recorded as accurately as possible. The Town will improve in the next reporting period.
		SWMP Revisions to address deficiencies: A checklist has been provided to the Town staff to better record this activity.
	Part II.A.4 Flood control	Strengths: The Town of Lake Hamilton has a small size MS4 that is durable and reliable.
		Weaknesses: There is no funding available should future needs arise
		SWMP Revisions to address deficiencies: Revisions to address deficiencies: The Town of Lake Hamilton is currently investigating opportunities to generate a stormwater master plan.
	Part II.A.5 Waste TSD	Strengths: N/A

SECTION VIII. EVALUATION OF THE STORMWATER MANAGEMENT PROGRAM (SWMP)

	Facilities	Weaknesses:
		SWMP Revisions to address deficiencies:
	Part II.A.5 Waste TSD Facilities	Strengths:
		Weaknesses:
		SWMP Revisions to address deficiencies:
	Part II.A.6 Pesticide, herbicide, fertilizer application	Strengths: The Town of Lake Hamilton does not apply Pesticides, Herbicides, or fertilizer with the public MS4.
		Weaknesses: The Town will better develop their outreach activities.
		SWMP Revisions to address deficiencies: The Town of Lake Hamilton will begin investigating "educational documentation": in all water bills guaranteeing all citizens are reached.
	Part II.A.7 Illicit Discharge Detection and Elimination	Strengths: Activities were conducted thoroughly and regularly.
		Weaknesses: Staff is not regularly trained on activities.
		SWMP Revisions to address deficiencies: The Town of Lake Hamilton has identified several training courses and has assigned staff to attend and the Town will better improve its public outreach program by using bill inserts and train it's staff.
	Part II.A.8 High Risk Industry Runoff	Strengths: Activities were conducted thoroughly and regularly.
		Weaknesses: Staff is not regularly trained on activities
		SWMP Revisions to address deficiencies: The Town of Lake Hamilton has identified several training courses and has assigned staff to attend.
	Part II.A.9 Construction Site Runoff	Strengths: Activities were conducted thoroughly and regularly
		Weaknesses: Those activities are currently conducted by Envisors – Town staff should also be trained.
		SWMP Revisions to address deficiencies: The Town of Lake Hamilton has identified several training courses and has assigned staff to attend and the Town will better improve its public outreach program by using bill inserts and train it's staff.

SECTION IX. CHANGES TO THE STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES (Not Applicable In Year 4)

SECTION IX. CHANGES TO THE STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES (Not Applicable In Year 4)

A.	Permit Citation/ SWMP Element	<p>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.</p> <p><i>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.</i></p>
		N/A
B.	Permit Citation/ SWMP Element	<p>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)</p> <p><i>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.</i></p>
		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
<input type="checkbox"/>	<input checked="" type="checkbox"/>	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.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	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.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part III.A.4	EACH ANNUAL REPORT: A list of the flood control projects that did <u>not</u> include stormwater treatment and an explanation for each of why it did not, if applicable.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	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.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part V.B.9	EACH ANNUAL REPORT: Reporting and assessment of monitoring results. [Also addressed in Section III of the Annual Report Form]		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part VI.B.2	EACH ANNUAL REPORT: An evaluation of the effectiveness of the SWMP in reducing pollutant loads discharged from the MS4 that, <u>at a minimum</u> , must include responses to the questions listed in the permit.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	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.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	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).		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part III.A.1	YEAR 1: An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM).		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	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.		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.6	YEAR 1 or YEAR 2: A copy of the adopted Florida-friendly Ordinance, if applicable.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part III.A.7.c	YEAR 1: A proactive illicit discharge / connection / dumping inspection program plan.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part III.A.9.b	YEAR 1: A construction site inspection program plan. [For approval by DEP]		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	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.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	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.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	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.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part V.B.3	YEAR 4: The monitoring plan (with revisions, if applicable).		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Part VII.C	YEAR 4: An application to renew the permit.		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	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
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.1	SOP and/or schedule of inspections and maintenance activities of the structural controls and roadway stormwater collection system.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.3	SOP for the litter control program.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Part III.A.3	SOP for the street sweeping program.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.3	SOP for inspections of equipment yards and maintenance shops that support road maintenance activities.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Part III.A.5	SOP for inspections of waste treatment, storage, and disposal facilities not covered by an NPDES stormwater permit.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.6	Plan for public education and outreach on reducing the use of pesticides, herbicides and fertilizer.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.7.c	Plan for proactive illicit discharge/connections/dumping inspections.*
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.7.c	SOP for reactive illicit discharge / connections / dumping investigations.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.7.c	Plan for illicit discharge training.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.7.d	SOP for spill prevention and response efforts.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.7.d	Plan for spill prevention and response training.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.7.f	Plan for public education and outreach on the proper use and disposal of oils, toxics and household hazardous waste.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Part III.A.7.g	SOP to reduce / eliminate sanitary wastewater contamination of the MS4.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.8	SOP for inspections of high risk industrial facilities.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.9.a	SOP for construction site plan review for stormwater, erosion and sedimentation controls, and ERP and CGP coverage.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Part III.A.9.b	Plan for inspections of construction sites.*
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.	3/12/12
Part VIII.B.3.b	12 MONTHS from effective date of permit: TMDL Monitoring and Assessment Plan.	
Part VIII.B.3.c	6 MONTHS from receiving analyses from the lab: TMDL Monitoring Report.	TBD
Part VIII.B.4	30 MONTHS from start date per TMDL Prioritization Report: A Bacterial Pollution Control Plan (BPCP).	TBD

BMAP Reporting

MS4 permittees are NOT required to submit the annual report required by any BMAP that applies to them since the NPDES Stormwater Staff can obtain them from the department's Watershed Planning and Coordination staff. However, to assure that the stormwater staff are aware of which BMAPs apply to the MS4 permittees and when the latest BMAP annual report was submitted, please complete the information below, if applicable:

Rule/Permit Citation	BMAP Title	Date BMAP Annual Report Submitted to DEP
Part VIII.B.2		
Part VIII.B.2		
Part VIII.B.2		
Part VIII.B.2		

**END OF REVISED TAILORED MS4 AR FORM
CYCLE 3 PERMIT**

ORDINANCE NO: 2013-08

AN ORDINANCE AMENDING CHAPTER 16, LAND DEVELOPMENT CODE, ARTICLE V, DEVELOPMENT DESIGN STANDARDS, OF THE CODE OF ORDINANCES OF THE TOWN OF LAKE HAMILTON FLORIDA BY ADOPTING COMPATIBILITY, LANDSCAPING AND BUFFERING STANDARDS; PROVIDING FOR SEVERABILITY; REPEALING ALL ORDINANCES IN CONFLICT HEREWITH; AND PROVIDING FOR AN EFFECTIVE DATE.

Whereas, Section 163.3167(c), Florida Statutes, empowers the Town to adopt land development regulations to guide the growth and development of the Town, and to amend such regulations from time to time; and

Whereas, the Town Council of the Town of Lake Hamilton has determined it necessary and desirable to revise and amend the regulations encompassed by the Land Development Code of the Town; and

Whereas, pursuant to Section 166.041(c) 2, Florida Statutes, the Town Council has held two Public Hearings to amend the Land Development Code of the Town of Lake Hamilton; and

Whereas, the Public Hearings were advertised and held with due public notice to obtain public comment; and having considered all written and oral comments received during the public hearings, the Town Council finds that the changes are necessary and appropriate to the needs of the Town.

NOW, THEREFORE, BE IT ORDAINED BY THE PEOPLE OF THE TOWN OF LAKE HAMILTON, FLORIDA:

Section 1. The *Compatibility, Landscaping and Buffering Standards* contained in Exhibit "A" to this Ordinance are adopted and shall be codified as regulations of Chapter 16, Article V of the Land Development Code of the Town of Lake Hamilton.

ORDINANCE 2013-08

Page 2

Section 2. All existing ordinances of the Town of Lake Hamilton in conflict with this Ordinance are repealed to the extent necessary to give this ordinance full force and effect.

Section 3. If any provision or portion of this ordinance is declared by a court of competent jurisdiction to be void, unconstitutional, or unenforceable, then all remaining portions, provisions, and regulations of this ordinance shall remain in full force and effect.

Section 4. Any scrivener's error created as a result of the passage of this ordinance may be corrected by the Mayor of the Town of Lake Hamilton, without further legislative action, so long as the intent of this ordinance is preserved, by filing a revised copy thereof with the Town Clerk's office with the terms "Mayor Revised" and the revision number in the style of the ordinance.

Section 5. This Ordinance shall take effect immediately upon its passage and approval as a non-emergency ordinance at two regular meetings of the Town Council.

INTRODUCED AND PASSED on first reading at the regular meeting of the Town Council of Lake Hamilton, Florida, held this 5th day of November, 2013.

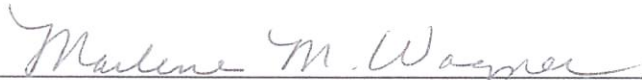
PASSED AND FINALLY ADOPTED on second reading at the Regular meeting of the Town Council of Lake Hamilton, Florida, held this 3rd day of December, 2013.

TOWN OF LAKE HAMILTON, FLORIDA



A handwritten signature in cursive script, appearing to read 'R. Harris', written over a horizontal line.

Ralph N. Harris, Council Chairman

Approved: 
Marlene M. Wagner, Mayor

Date: 12-3-13

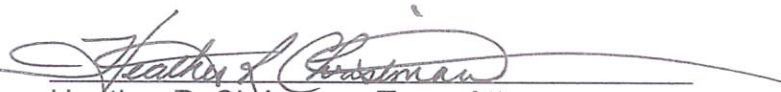
Attest with Seal:



A handwritten signature in cursive script, appearing to read 'Sara Irvine', written over a horizontal line.

Sara Irvine, Town Clerk

Approved as to Form:



A handwritten signature in cursive script, appearing to read 'Heather R. Christman', written over a horizontal line.

Heather R. Christman, Town Attorney

EXHIBIT A

Section 16.335 Compatibility, Landscaping and Buffering Standards

Section 16-335.1 Purpose and Intent

The Town Council finds that landscaping makes important contributions to the public safety and the general welfare of the Town. The purpose and intent of this Section is to set forth requirements and standards for the provision of canopy trees and buffer yards, the conservation of native plants and trees, and the conservation of water resources in the Town. Specifically, it is intended that buffer yards will aid in reducing the potential negative impacts caused by glare, noise, dust, dirt, litter, odors and view of various land uses on adjacent properties. It is further intended that the planting of canopy trees will aid in lowering the ambient temperature of the air through increased shading; in conserving water; in enhancing the appearance of properties; in improving property values; and generally in protecting the health, safety and welfare of the public through the improvement of the quality of the human environment. As part of the development approval process, the Town of Lake Hamilton shall ensure that all new development is properly buffered to prevent adverse impacts on surrounding land uses.

Section 16-335.2 Applicability and Exemptions

A. Applicability.

Except as specifically excluded in the exemptions below, the requirements and regulations of this Section shall apply to the following:

1. The construction of any new building or improvements that require off-street parking and other impervious surfaces to be constructed on the site;
2. The alteration of existing structures or improvements where the alteration adds usable floor area that requires additional off-street parking and other impervious surfaces to be constructed on the site;
3. The construction or expansion of off-street parking and loading areas;
4. The paving of any existing unpaved off-street parking and/or loading areas;
and
5. Any change of use which results in the property becoming a higher impact/higher intensity use.

B. Exemptions.

The development, redevelopment, reconfiguration, expansion or change of use of any site requiring review by the Town must comply with all elements of this Section, unless any of the following exemptions apply:

1. Enlargement or repair of a single family or duplex residence unless specifically stated otherwise.
2. New single family and duplex development on individual residential lots are exempt from all provisions of this Section, except the requirement of two (2) large or medium sized trees per residential lot, or one (1) tree per attached unit.
3. Bona fide agriculture.
4. Buildings and structures are not counted as impervious surface for the purpose of calculating the areas that must be shaded with canopy trees.
5. Swimming pools and the area specifically designed to be the deck or pool apron abutting the pool are exempt from canopy requirements.
6. Docks, piers, seawalls, boardwalks and other improvements designed to serve pedestrians near the water or in the use of boats are exempt from canopy requirements. Paved areas abutting a seawall, dock or pier are exempt to a maximum width of ten feet (10').
7. Paved surfaces within the supporting cables of a radio, television or microwave tower or a cable television satellite receiver, are exempt from canopy requirements.
8. Land developed in the Central Business District or other properties where existing buildings have reduced or no setbacks from property lines, which are physically unable to comply with buffer yard and/or canopy requirements.

Section 16.335.3 Landscape Plans and Permits

Prior to issuance of a development permit, a landscape plan shall be submitted to the Town Planner, or his or her designee, showing canopy tree and buffer yard information required by this Section. The landscape plan may be submitted separately, but shall be a part of a site development plan submission, where site development plan submission is required.

When landscaping is required under this Section, no building, grading or site preparation shall be allowed until the landscape plan has been approved by the Town

Planner, or his or her designee. The plan shall be dated and stamped approved by the Town and only these plans and the requirements of this Section shall govern the construction of the site landscaping and subsequent maintenance inspections. A permit shall be obtained for the project within twelve (12) months of the approval date of the approved landscape plan or the plan shall become invalid, unless granted an extension.

Section 16.335.4 Landscaping

Landscaping shall include the conservation of native plants and trees; the selection and planting of trees to shade vehicular use areas, sidewalks and other paved surfaces; and the design, selection of trees and shrubbery, and the planting of landscape materials to establish buffer yards.

Section 16.335.4.1 Selection of New Trees and Shrubs; Site Conditions

All plants identified in this Section are “Florida Friendly” plants for Polk County, and are well suited to the environment in the Town. A Florida Friendly Landscape is designed to reduce impacts to the environment through the selection of the right plant for the right location, thereby reducing the need for greater landscape maintenance and irrigation.

All new living plant material to be installed shall be nursery grown and root pruned stock, free of insects, disease and defects, and shall satisfy the requirements of this Section and be Florida Grade No. 1 or better as defined in the most current edition of Grades and Standards for Nursery Plants, Florida Department of Agriculture and Consumer Services, Florida Division of Plant Industry. All plants installed on the site shall be in accordance with the plans stamped approved by the Town.

Section 16.335.4.2 Preservation of Existing Trees and Shrubs

Existing trees and shrubs shall be preserved whenever possible provided the plants are all healthy species and are not listed as an exotic and/or nuisance plant in the most recent Invasive Plant List of the Florida Exotic Pest Plant Council. In these instances the plant material shall be acceptable to the Town and may be maintained in its natural setting and incorporated into the required landscaping areas to fulfill the intent of this Section. Landscape plans shall identify those existing plant materials credited toward the Town landscape requirements.

Areas of existing vegetation to remain on site and as noted on landscape plans shall not be encroached upon or damaged during construction by any or all activities above or below ground. Visible barricades shall be placed around these areas and shall be kept clear of all construction materials, traffic and debris. Areas that have been damaged or removed shall be replanted and refurbished to restore the area as much as possible to its original condition.

The following methods and procedures shall be followed when preserving trees:

1. The use of hand labor may be necessary to clear vegetation within the drip line of those trees to be preserved.
2. The area within the drip line of any tree to be preserved shall remain undisturbed; no materials, machinery, and soil shall be placed within the drip line.
3. Materials, wires, signs or nails shall not be attached to any tree unless such materials are used to preserve the tree.
4. All felled material shall be promptly and carefully removed from the site in order to avoid potential damage to remaining trees and vegetation.
5. Visible barricades shall be erected around those trees to be preserved. These barricades shall be at the drip line of the tree(s) and no closer than ten (10) feet to the trunk of the tree.
6. All efforts shall be made through the grading and drainage plan to maintain the natural drainage to those trees to be preserved.

Section 16.335.4.3 Exotic and Nuisance Plants

The use of exotic and nuisance plants is prohibited and shall not be accepted as part of an approved landscape plan. For purposes of this Section, exotic and nuisance plants shall be those provided in the most recent Invasive Plant List of the Florida Exotic Pest Plant Council.

Section 16.335.4.4 Minimum Tree Planting Height, Planting Area and Distance from Pavement

Maximum Tree Size at Maturity	Minimum Planting Height	Planting Area	Minimum Distance from Pavement
(Small) Less than 30 feet tall	6 feet	50-150 square feet	2 feet
(Medium) Less than 50 feet tall	8 feet	150-300 square feet	4 feet
(Large) Taller than 50 feet	10 feet	More than 300 square feet	More than 6 feet

(Source: University of Florida "Planting Area Guidelines," 2011; planting area and distance from pavement; based on minimum 3' soil depth).

All newly planted trees shall be staked and guyed immediately after installation and shall remain supported until the root systems have established themselves to adequately support the tree.

Section 16.335.4.5 Minimum Shrub Planting Requirements

Shrubs shall be a minimum of one (1) foot tall at the time of planting, except where they are to act as required screening for residential uses and districts, in which case they shall be a minimum of three (3) feet in height at the time of planting and maintained at a minimum height of five (5) feet at maturity. One (1) foot high shrubs shall be spaced no closer than thirty (30) inches on center and three (3) foot high shrubs shall be spaced no closer than thirty-six (36) inches on center. The Town may authorize alternate spacing for species which have especially broad coverage.

Section 16.335.4.6 Ground Covers

Ground covers shall be spaced no greater than eighteen (18) inches on center and may be planted in lieu of lawn grass. A list of recommended ground cover species is provided in Table 6.04.09. E of this Section.

Section 16.335.4.7 Lawn Grass

Grass may be sodded, plugged, sprigged or seeded except that solid sod shall be used in swales or other areas subject to erosion (generally slopes steeper than 10:1). Grassed areas that are installed by methods other than sod shall attain a full grassed coverage within three (3) months of the date of installation. A list of lawn grass species and their characteristics, including drought tolerance level, soil type, light requirements, wear tolerance and plant maintenance, are provided in Table 6.04.09. F. The selection of lawn grasses shall be based upon the species and characteristics which are most appropriate for the site.

Section 16.335.4.8 Mulch

Planting beds shall be mulched with standard accepted mulch materials to 1) prevent the invasion of other plant species; 2) to absorb moisture for the benefit of the plants; and 3) to present a neat and orderly appearance of the landscaped area. The mulched bed shall have a uniform coverage and a minimum depth of two inches (2"). Mulched areas around trees should be at least 8 feet in diameter. The use of cypress mulch is discouraged.

Section 16.335.4.9 Planting Beds

The planting bed for all landscaping materials shall be free of weeds, debris, and nuisance/invasive materials and shall consist of a healthy plant growth medium.

The planting bed soil shall provide adequate support, drainage, and nutrients for the plants.

Section 16.335.4.10 Landscaping for Decorative and Masonry Walls

Residential subdivisions and commercial and industrial developments may have decorative entrance and screening walls. Landscaping (a combination of trees and shrubbery) shall be installed within the property setback/buffer yard area. If there are no specific buffer yard requirements for the development, one (1) tree shall be planted for each fifty (50) linear feet of wall. Buffer yard trees and shrubs required by this Section shall be planted on the street side of the wall.

Section 16.335.4.11 Tree Requirements for Residential Properties

Trees for new residential development shall be provided at a rate of two (2) large or medium sized trees per residential lot or one (1) tree per attached unit. Existing trees may be used to satisfy this requirement on individual development parcels provided they are not specifically listed as an invasive species in the most recent Invasive Plant List of the Florida Exotic Pest Plant Council.

Section 16.335.4.12 Encroachments

A. Structures.

Accessory uses, buildings, and dumpster pads shall not encroach upon or conflict with required landscaped areas.

B. Parking Stalls.

No more than two (2) feet of vehicular overhang shall be allowed into a landscape area and no trees and shrubs shall be planted within the area of encroachment.

Section 16.335.5 Canopy Coverage and Tree Species

Trees providing canopy coverage shall be required for the purpose of shading vehicular use areas, sidewalks and other paved surfaces associated with all development in the Town. Buildings and structures shall not be counted as impervious surface for the purpose of calculating the areas that must be shaded with canopy trees.

A. Canopy trees shall be selected from Table 16.335.9 A

- B. Canopy coverage trees shall be interspersed throughout all vehicular use areas rather than restricted in any way to only a portion of the site. This allows for flexibility and creative design opportunities.
- C. Trees located in buffer yards may receive partial credit in meeting vehicular use areas interior landscaping canopy requirements.
- D. Planting areas under trees shall be planted with shrubs and/or ground covers which are compatible with site conditions.

Section 16.335.5.1 Vehicular Use Areas Interior Landscaping and Canopy Requirements

The standard for canopy is thirty-five percent (35%) coverage over all vehicular use areas associated with all land uses subject to these requirements.

Section 16.335.6 Buffer Yards

A buffer yard is an area containing plant material, fences, walls and/or berms which provide a visual screen and physical separation between incompatible land uses. The purpose of this Section is to establish minimum buffer yard widths and landscaping requirements, in order to ensure compatibility between adjacent properties and land uses. The minimum required width of the buffer yard is therefore based on the potential degree of incompatibility between two abutting land uses.

Section 16.335.6.1 Buffer Yards Between Proposed and Abutting Land Uses and Vacant Property

The Town provides four (4) different category types of buffer yards, identified as types A, B, C and D. Table 6.04.06. A, establishes the type of buffer yard required between proposed and existing land uses. When property adjacent to a proposed development is vacant, the need for a buffer yard is determined by the zoning classification of the vacant site as provided in Table 6.04.06. B.

Section 16.335.6.2 Buffer Yards along Rights-Of-Way

In addition to the standards set forth in this Section regarding landscape requirements between proposed and abutting land uses and vacant property, provisions shall also be made to buffer land uses from adjacent public streets or rights-of-way as follows:

- A. Arterial Roadways.

Land uses, excluding agriculture, located along arterial roadways are required to provide a landscape strip at least ten (10) feet wide with a minimum of

three (3) trees for each one hundred (100) linear feet of right-of-way frontage, or fraction thereof. In addition, five (5) shrubs per tree shall be planted within the landscape strip.

B. Collector Roadways.

Land uses, excluding agriculture, located along collector roadways are required to provide a landscape strip at least ten (10) feet wide with a minimum of one (1) tree and seven (7) shrubs for each fifty (50) linear feet of right-of-way frontage, or fraction thereof.

C. Residential Street.

New residential developments, excluding individual single-family home sites, individual duplex units and individual infill lot development, located along a residential street, shall provide a landscape strip at least five (5) feet wide with at least one tree per lot. Any trees within this buffer yard may count towards the two (2) tree requirement per Section 6.04.04.11 of this Section.

E. Setbacks for Vision Clearance.

Buffer yards shall not be planted in any portion of the visibility triangle.

Section 16.335.6.3 Buffer Yards for Free Standing or Satellite Parking Lots

Buffer yards for free standing or satellite parking lots shall meet the following requirements:

A. *Residential Zoning Districts*: Standing or satellite parking lots located in residential zoning districts, which serve adjacent zoned businesses, shall meet the following requirements.

1. Site plan approval by the Town Council is required;
2. Where the parking lot is contiguous to side lot lines of residentially zoned property, a side yard at least ten feet (10') in width shall be provided;
3. The parking area shall be provided with a continuous, unpierced masonry wall six feet (6') in height adjacent to all required yards. All such walls shall be smoothly finished and shall not be used for any sign;
4. All yard spaces between the required wall and lot lines shall be landscaped with at least one hedgerow of hardy shrubs, not less than

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five feet (5') in height, placed next to the walls, and the remainder of the yard spaces shall be lawn. All such landscaping shall be maintained in a healthy, growing condition, neat and orderly in appearance, and yard spaces shall be kept free of refuse or debris;

5. Where the parking lot is separated from residentially zoned property by a street, a buffer yard at least ten feet (10') in width shall be provided along the street frontage;
 6. Where the parking is located upon a street upon which residentially zoned properties front and abut in the same block, a front yard shall be provided at least 25 feet (25') in depth. Where one or both of the lots contiguous to and on each side of the parking lot are developed with residential structures having front yards greater than 25 feet (25') in depth, the front yard on the parking lot shall be not less in depth than the deeper of these existing front yards.
- B. *All Other Zoning Districts:* Standing or satellite parking lots located in zoning districts other than residential shall be designed in accordance with the following requirements.
1. The parking area shall be provided with a buffer yard at least ten feet (10') in width along all property lines and streets on which the off-street parking area is located.
 2. See Section 16.335.6.1, Buffer Yards along Rights-Of-Way, for landscape buffer requirements adjacent to public rights-of-way.
 3. Relief of the buffer yard requirements may be granted by the Town Council along property lines where adjoining businesses wish to share a common lot. Where this is the case, site plan approval by the Town Council is required.
- C. *Site Plan Review:* The Town Council may consider specific site plan requests under this Section. The Council may accept or reject the original request, or it may impose conditions or safeguards on the request which it finds necessary to uphold the public purpose and the intent of the Town Code. Approval shall be in the form of a resolution.

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Table 16.335.6.A.
Buffer Yard Requirements between Proposed and Abutting Land Uses

PROPOSED LAND USE	ABUTTING LAND USE									
	Single family detached dwellings	Duplex; Single family attached; multi-family up to 4 units per acre; outdoor recreation facilities; cemeteries	Professional office with up to 8 parking spaces; child care centers in converted residential structures	Duplex, single family attached, mobile home parks & multi-family at 4-8 units per acre	Mobile home parks, single family attached, multi-family at 8+ units per acre up to & including 12 units per acre; Utility substations, switching stations, etc.	Professional office with 9+ parking spaces; Churches; Schools; Government facilities; Commercial development sites with up to 10 parking spaces	Other retail, wholesale, service businesses; Self-storage; Automobile service stations; Shopping centers; Hotels, motels; Hospitals; Multi-family over 12 units per acre	Light Industry; PWS; Governmental public works storage/equipment facilities	Heavy industry; Water & wastewater treatment facilities	
Single family detached dwellings	N	A	B	B	C	C	C	C	D	D
Duplex; Single family attached; multi-family up to 4 units per acre; outdoor recreation facilities; cemeteries	A	N	A	B	B	C	C	C	D	D
Professional office with up to 8 parking spaces; child care centers in converted residential structures	B	A	N	A	B	B	C	C	C	D
Duplex, single family attached, mobile home parks & multi-family at 4-8 units per acre	B	B	A	N	A	B	C	C	C	D
Mobile home parks, single family attached, multi-family at 8+ units per acre up to & including 12 units per acre; Utility substations, switching stations, etc.	C	B	B	A	N	A	B	C	C	C
Professional office with 9+ parking spaces; Churches; Schools; Government facilities; Commercial development sites with up to 10 parking spaces	C	C	B	B	A	N	A	C	C	C
Other retail, wholesale, service businesses; Self-storage; Automobile service stations; Shopping centers; Hotels, motels; Hospitals; Multi-family over 12 units per acre	C	C	C	C	B	A	N	B	B	C
Light Industry; PWS; Governmental public works storage/equipment facilities	D	D	C	C	C	C	C	B	N	B
Heavy industry; Water & wastewater treatment facilities	D	D	D	D	C	C	C	C	B	N

N = No Buffer Yard Required.
A through D = Type of Buffer Yard Required (See Section 6.04.06.04 for Illustrated Examples of Buffer Yard Designs).

**Table 16.335.6. B
Buffer Yard Requirements between Proposed Land Use and Vacant Property**

PROPOSED USE	ADJACENT VACANT LAND (By Zoning District)											
	R-1	R-2	R-3	R-4	RMF& MH-1		C-1	C-2	M-1	PL		CON PARKS
Single family detached dwellings	N	A	A	A	B		C	N	C	C		C
Duplex; Single family attached; Multi-family up to 4 units per acre; Outdoor recreation facilities; Cemeteries	A	N	A	A	A		C	N	C	C		C
Professional office with up to 8 parking spaces; Child care centers in converted residential structures	A	A	A	A	A		B	N	B	B		C
Duplex, single family attached; mobile home parks and multi- family at 4-8 units per acre	A	A	N	A	A		C	N	C	C		C
Mobile home parks; Single family attached; Multi-family at 8+ units per acre up to and including 12 units per acre; Utility substations, switching stations, etc.	B	B	A	N	N		C	N	C	C		C
Professional office with 9+ parking spaces; Churches; Schools; Government facilities; Commercial development sites with up to 10 parking spaces	B	C	C	A	A		B	N	B	B		C
Other retail, wholesale, service businesses; Self-storage; Automobile service stations; Shopping centers; Hotels, motels; Hospitals; Multi-family over 12 units per acre	B	B	B	B	A		N	N	N	B		D
Light Industry; PWS; Governmental public works storage/equipment facilities	C	C	C	B	B		B	N	B	N		D
Heavy industry; Water and wastewater treatment facilities	D	D	D	C	C		C	N	C	A		D

N = No Buffer Required.

A through D = Type of Buffer Yard Required (See Section 6.04.06.04 for Illustrated Examples of Buffer Yard Designs).

Section 16.335.6.4 Buffer Yard Diagrams

Upon determining the type of buffer yard required for a property (type A, B, C, or D), the yard width and number of plantings shall be calculated. Three options are offered within each buffer yard type, allowing a buffer yard which best fits the constraints and features of the site. Any of the options within a particular buffer yard type will fulfill the buffer yard requirement. For example, if a Buffer Yard A is required, there are three options to choose from; a ten (10) foot wide buffer, a fifteen (15) foot wide buffer or a twenty (20) foot wide buffer. The number of trees and shrubs to be planted within the buffer yard area is dependent upon the buffer yard width chosen; a wider buffer yard requires less plant material.

The diagrams specify the number of each type of plant required per 100 linear feet, excluding any driveway access. The plant material does not need to be equally spaced and may be placed in any configuration, or grouped to best display the plant material within the required buffer yard area. When natural plant material is present, it may be counted towards the total buffer yard requirement for trees and shrubs provided the existing material is generally consistent with the intent of this Section.

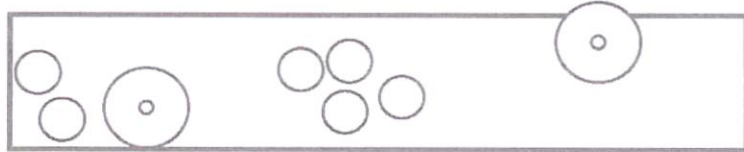
Buffer Yard

Plant Material / 100 Linear Feet

A

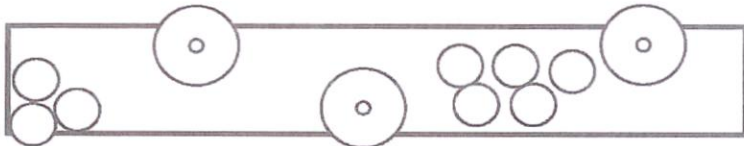
Width 20'

2 Trees
6 Shrubs



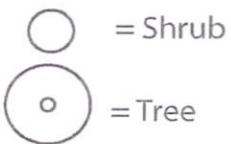
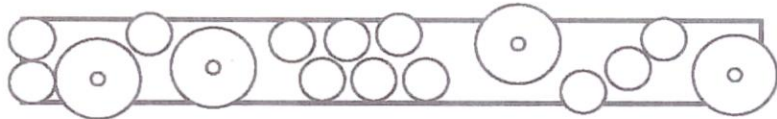
Width 15'

3 Trees
8 Shrubs



Width 10'

4 Trees
12 Shrubs



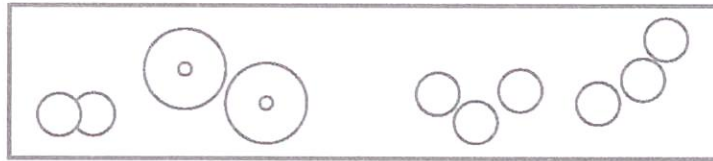
Buffer Yard

Plant Material / 100 Linear Feet

B

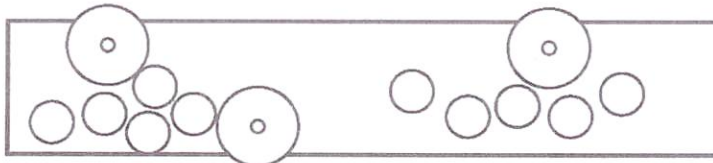
Width 25'

2 Trees
8 Shrubs



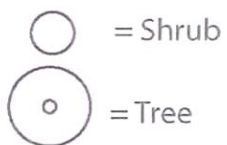
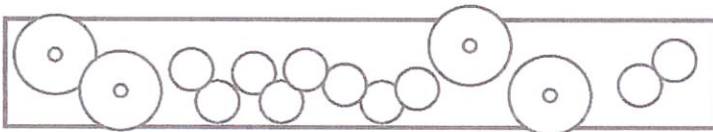
Width 20'

3 Trees
10 Shrubs



Width 15'

4 Trees
10 Shrubs



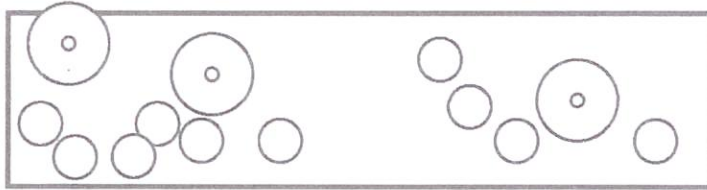
Buffer Yard

Plant Material / 100 Linear Feet

C

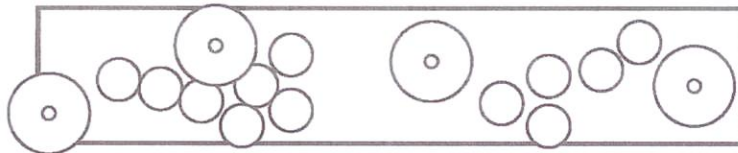
Width 30'

3 Trees
10 Shrubs



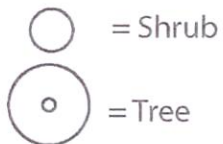
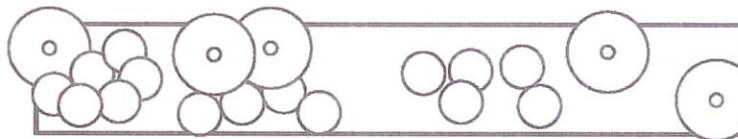
Width 20'

4 Trees
12 Shrubs



Width 15'

5 Trees
15 Shrubs



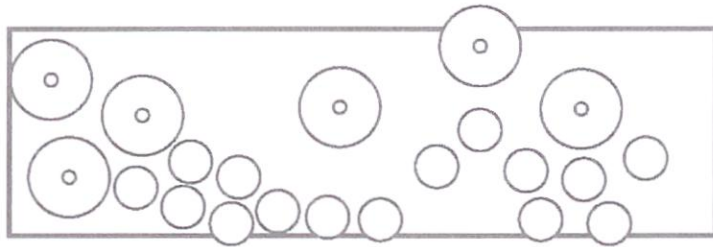
Buffer Yard

Plant Material / 100 Linear Feet

D

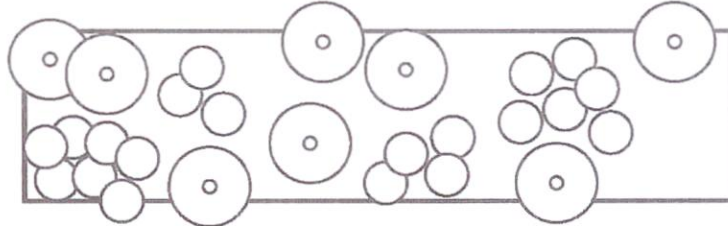
Width 40'

6 Trees
15 Shrubs



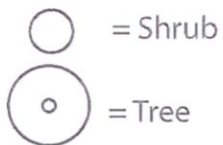
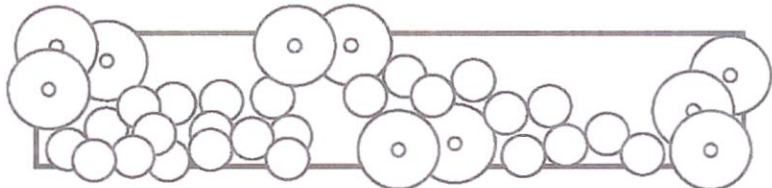
Width 30'

8 Trees
20 Shrubs



Width 20'

10 Trees
25 Shrubs



Section 16.335.6.5 Buffer Yards, Utilities and Utility Easements

Utility easements in a buffer yard do not prohibit the planting of shrubs in the area of the easement of an underground utility, but no tree shall be planted within twelve feet (12') of a buried utility. Tree planting restrictions in relation to overhead power lines are identified in Tables 6.04.09. A, and 6.04.09.B of this Section. Large and medium sized trees should not be planted closer than fifteen feet (15') to any light pole.

Section 16.335.7 Installation, Irrigation, Inspection, Certificate of Occupancy/Completion and Maintenance

All plants shall be "Florida Grade No. 1" or better, shall be healthy and free of diseases and pests, and shall be of nursery stock in two (2) gallon containers.

A. Installation.

1. Plants shall be installed during the period of the year most appropriate for planting the particular species. If this requirement results in the planting of some or all of the landscaping subsequent to development approval, a performance bond shall be posted prior to the issuance of a certificate of occupancy, in an amount sufficient to insure that the required landscaping is installed.
2. The developer shall provide an appropriate planting soil medium for required plants and shall irrigate plant materials to sustain healthy growth of all plants to maturity.
3. Areas on any development site not used for buildings, including single family and duplex development on individual lots, paved surfaces, or other landscape improvements shall be sodded or seeded prior to the issuance of a Certificate of Occupancy/Completion.
4. Areas within public rights-of-way, and areas off-site which have been disturbed by construction activity, shall be cleaned of all debris, re-graded to the proper elevations, and sodded so as to restore the area to a stabilized and planted state.

B. Irrigation.

1. No irrigation system shall be required where existing natural plant communities are maintained.
2. All new landscaped areas shall be provided with an appropriate irrigation system, consistent with the needs of the plants contained therein and water conservation efficient.

3. An irrigation system shall be designed to provide full coverage of all landscape areas without over spraying onto impervious surfaces including pavement, vehicular or pedestrian areas and/or adjacent properties.
4. The irrigation system shall be operational prior to the issuance of any Certificate of Occupancy/Completion for the property.

C. Inspection and Certificate of Occupancy/Completion.

The Town Planner, or Building Official, shall inspect the landscaping installation to ensure that it is in conformance with the requirements set forth in this Section and with the approved landscape plan.

D. Maintenance.

Landscape areas shall be maintained in good condition so as to present a healthy, neat and orderly appearance and shall be kept free from refuse and debris.

Section 16.335.8 Violations and Penalties

- A. All plant material which dies shall be replaced with plant material of required variety and size within thirty (30) days from the date of official notification.
- B. Consistent with letter A above, if a restoration plan is presented and differs from the original approved plan, three (3) copies of such restoration plan shall be submitted and approved by the Town Planner, or his or her designee. The Town Planner, or his or her designee, shall re-inspect the property for compliance after the restoration is complete.
- C. Each failure to comply with any of the provisions of this Section shall constitute an individual violation. Failure to maintain viable landscaping consistent with the approved landscape plan shall constitute a violation subject to penalties and shall be subject to code enforcement action by the Town.

Section 16.335.9 Plant Species List

Plants species identified in this Section include “Florida Friendly” native and non-native plants. Any new plant material, which will serve to meet the Town’s minimum landscape requirements, shall be selected from the following plant species tables.

In calculating canopy requirements, each existing tree to be preserved, and each new tree to be planted shall be credited with its mature canopy, as provided in this Section. If an on-site preserved tree is not listed as an invasive plant in the most recent Invasive Plant List of the Florida Exotic Pest Plant Council, and its actual canopy exceeds the canopy area identified in this Section, the greater canopy area may be used in calculating canopy coverage.

**Table 16.335.9 A
Large Trees**

Species	Common Name	Type	Soil	Light	Drought Tolerance	Mature Height (feet)	Mature Crown Spread (feet)	Mature Canopy Area (sq. ft.)	P/L (feet)
<i>Acer barbatum</i>	Florida Maple	D	A	F, P	High	35-50	25	491	15-30
<i>Acer rubrum</i>	Red Maple	D	A	F, P	Medium	35-50	25	491	15-30
<i>Betula nigra</i>	River Birch	D	A	F, P	Low	40-50	25	491	15-30
<i>Carya spp.</i>	Hickory, Pecan	D	WD-M	F, P, S	High	50-100	30	707	30+
<i>Fraxinus caroliniana</i>	Pop Ash	D	W	P, F	Medium	30-50	30	707	15-30
<i>Fraxinus pennsylvanica</i>	Green Ash	D	M-W	P, F, S	Medium	50-100	50	1964	30+
<i>Gordonia lasianthus</i>	Loblolly Bay	E	WD-M	P, F	Low	30-40	16	201	15-30
<i>Liquidambar styraciflua</i>	Sweetgum	D	WD-M	F,P	Medium	40-100	30	707	30+
<i>Magnolia grandiflora</i>	Southern Magnolia	E	WD-M	F,P	Medium	40-80	25	491	30+
<i>Magnolia virginiana</i>	Sweet Bay Magnolia	E	M-W	P, F	None	30-60	16	201	15-30
<i>Pinus clausa</i>	Sand Pine	E	WD	F, P, S	High	25-40	25	491	15-30
<i>Pinus elliotii densa</i>	Southern Slash Pine	E	WD-M	F, P	High	75-100	25	491	15-30
<i>Pinus palustris</i>	Longleaf Pine	E	WD-M	F	High	60-80	25	491	15-30

Key

Type: D = Deciduous, E = Evergreen

Soil Type: WD = Well Drained, M = Medium Drained W = Wet, A = All Types

Light: S = Shade, P = Partial Shade, F = Full Sun **P/L:** Distance from Power Lines

**Table 16.335.9 A
Large Trees**

Species	Common Name	Type	Soil	Light	Drought Tolerance	Mature Height (feet)	Mature Crown Spread (feet)	Mature Canopy Area (sq. ft.)	P/L (feet)
<i>Platanus occidentalis</i>	Sycamore	D	A	F, P	Medium	75-90	30	707	30+
<i>Quercus alba</i>	White Oak	D	WD-M	F, P	Medium	60-100	35	962	30+
<i>Quercus austrina</i>	Bluff Oak	D	WD-M	F	High	40-80	35	962	30+
<i>Quercus falcata</i>	Turkey Oak	D	WD	F	High	40-50	25	431	30+
<i>Quercus laurifolia</i>	Laurel Oak	Semi D	M	F, P	Medium	60-100	35	962	30+
<i>Quercus muhlenber</i>	Pin Oak	D	M-W	F	Medium	90	35	962	30+
<i>Quercus nigra</i>	Water Oak	Semi D	M-W	F, P	High	60-100	30	707	30+
<i>Quercus shumardii</i>	Shumard Oak	D	WD-M	F	High	60	40	1256	30+
<i>Quercus virginiana</i>	Live Oak	E	M-W	F, P	High	50-60	50	1964	30+
<i>Taxodium distichum</i>	Bald Cypress	D	A	F, P	High	60-100	20	314	15-30
<i>Ulmus alata</i>	Winged Elm	D	A	F, P	High	20-25	25	491	15-30
<i>Ulmus Americana</i>	American Elm	D	A	F, P	High	80-100	30	707	30+
<i>Ulmus parvifolia</i>	Drake Elm	D	WD-M	F, P	High	30-40	16	201	15-30

Key

Type: D = Deciduous, E = Evergreen

Soil Type: WD = Well Drained, M = Medium Drained W = Wet, A = All Types

Light: S = Shade, P = Partial Shade, F = Full Sun **P/L:** Distance from Power Lines

Table 16.335.9 B

Medium and Small Trees

MEDIUM SIZED TREES									
Species	Common Name	Type	Soil	Light	Drought Tolerance	Mature Height	Mature Crown Spread	Mature Canopy Area (sq. ft.)	P/L
<i>Carpinus caroliniana</i>	American Hornbeam	D	A	F, P, S	Medium	25-35'	12'	113	15-30
<i>Cercis canadensis</i>	Eastern Redbud	D	WD	F, P, S	High	20-30'	10'	201	0
<i>Crataegus spp.</i>	Hawthorn	D	A	F, P	High	15-20'	12'	113	0
<i>Cupressus arizonica</i>	Arizona Cypress	E	WD	F	High	30-40'	15'	177	15-30
<i>Elaeocarpus decipiens</i>	Japanese Blueberry	E	WD	F, P	High	30-40'	30'	707	30+
<i>Ilex attenuata</i>	East Palatka Holly	E	WD	F, P	Medium	25-30'	16'	201	15-30
<i>Ilex cassine</i>	Dahoon Holly	E	M-W	F, P, S	Medium	25-30'	16'	201	15-30
<i>Ilex opaca</i>	American Holly	E	A	F, P,	High	30-45'	16'	201	15-30
<i>Ilex rotunda</i>	Rotund Holly	E	WD	F, P	Medium	20-30'	20'	315	15-30
<i>Juniperus silicicola</i>	Southern Red Cedar	E	WD	F, P	High	25-30'	12'	113	15-30
<i>Lagerstroemia indica</i>	Crape Myrtle	D	WD-M	F	High	15-25'	12'	113	0
<i>Persea borbonia</i>	Red Bay	E	A	F, P	High	20-60'	12'	113	15-30
<i>Quercus lyrata</i>	Overcup Oak	D	WD-M	F, P	Medium	30-40'	35'	962	30+
<i>Tabebuia chrysotricha</i>	Yellow Trumpet Tree	Semi E	WD	F	Medium	25-35'	25'	0	15-30
<i>Tabebuia heterophylla</i>	Pink Trumpet Tree	D	WD	F	High	20-30'	20'	0	15-30
<i>Tabebuia impetiginosa</i>	Purple Trumpet Tree	Semi E	WD	F	High	12-18'	10'	0	0
SMALL SIZED TREES									
<i>Aesculus pavia</i>	Florida Buckeye	D	WD-M	S, P	Medium	15-20	20	315	0
<i>Callistemon rigidus</i>	Bottlebrush, stiff	E	M-W	F, P	High	8-15	5	20	0
<i>Callistemon viminalis</i>	Bottlebrush, weeping	E	W	F	High	15-20	10	79	0
<i>Chionanthus virginicus</i>	Fringetree	D	WD-M	P, F, S	Medium	15-25	10	79	0'
<i>Cornus florida</i>	Flowering Dogwood	D	WD	P, F, S	Medium	20-30	16	201	15-30
<i>Eriobotrya japonica</i>	Loquat	E	WD	F, P	Medium	15-20	10	79	0
<i>Ilex vomitoria</i>	Yaupon Holly	E	A	P, F	High	15-25	8	50	0
<i>Magnolia Xsoulangiana</i>	Saucer Magnolia	D	WD-M	F, P	Low	20-25	20	0	0
<i>Osmanthus americanus</i>	Wild Olive	E	A	F, P	Medium	15-30	8	50	0
<i>Prunus angustifolia</i>	Chickasaw Plum	D	WD	P, F	High	15-20	15	177	0
<i>Prunus umbellate</i>	Flatwoods Plum	D	M	P, F	Medium	12-20	15	177	0
<i>Quercus geminata</i>	Sand Live Oak	E	WD	F	High	15-30	12	113	0
<p>Key Type: D = Deciduous, E = Evergreen Soil Type: WD = Well Drained, M = Medium Drained W = Wet, A = All Types Light: S = Shade, P = Partial Shade, F = Full Sun P/L: Distance from Power Lines</p>									

Table 16.335.9 C
Large Shrubs

<i>Species</i>	Common Name	Soil	Light	Drought Tolerance	Height	Spread
<i>Abelia Xgrandiflora</i>	Glossy Abelia	WD	F, P	M	6-10'	6-10'
<i>Agarista populifolia</i>	Fetterbush	A	S, P	M	8-12'	5-10'
<i>Allamanda nerifolia</i>	Bush Allamanda	WD	P, S	M	5-15'	4-10'
<i>Aloysia virgate</i>	Sweet Almond Bush	M	F	H	6-12'	6-12'
<i>Asimina spp.</i>	Pawpaw	WD-M	F, P, S	M	15-20'	15-20'
<i>Baccharis halimifolia</i>	Groundsel Bush, Salt Bush	A	F	M	8-10'	6-12'
<i>Berberis julianae</i>	Wintergreen Barberry	M	F, P	M	4-6'	2-5'
<i>Brunfelsia grandiflora</i>	Yesterday-Today-and-Tomorrow	WD	F, P, S	M	7-10'	5-8'
<i>Buddleia lindleyana</i>	Butterfly Bush	WD	F	M	4-6'	4-6'
<i>Calliandra haematocephala</i>	Red Powderpuff	WD	F, P	H	6-8'	8-12'
<i>Callicarpa americana</i>	Beautyberry	WD	P, S	H	6-8'	6-8'
<i>Calycanthus floridus</i>	Eastern Sweetshrub	WD-M	P, S	M	6-9'	6-12'
<i>Camellia japonica</i>	Camellia	M	P, S	M	10-20'	10-20'
<i>Carissa macrocarpa</i>	Natal Plum	WD	F, P	H	2-20'	2-20'
<i>Cestrum aurantiacum</i>	Orange Jessamine	WD	P, F	M	4-10'	6-8'
<i>Clethra alnifolia</i>	Sweet Pepperbush	A	P, F, S	M	4-8'	4-8'
<i>Crataegus spp.</i>	Hawthorn	A	F, P	H	20-35'	15-40'
<i>Erythrina herbacea</i>	Coral Bean	WD-M	F, P	H	5-10'	8-12'
<i>Forestiera segregate</i>	Florida Privet	WD-M	P, F	H	4-15'	3-12'
<i>Galphimia glauca</i>	Thryallis	WD	F	M	5-9'	4-6'
<i>Gardenia jasminoides</i>	Gardenia	WD	S, P	M	4-8'	4-8'
<i>Hamelia atens</i>	Firebush	WD-M	F, P, S	M	5-20'	5-8'
<i>Heptapleurum arboricola</i>	Dwarf Schefflera	WD-M	P, F	H	10-15'	6-15'

Key

Soil Type: WD = Well Drained, M = Medium Drained W = Wet, A = All Types

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Drought Tolerance: H = High, M = Medium, L = Low, N = None

**Table 16.335.9 C
Large Shrubs**

<i>Species</i>	Common Name	Soil	Light	Drought Tolerance	Height	Spread
<i>Hibiscus spp.</i>	Hibiscus	WD-M	F, P	M	4-12'	3-10'
<i>Hydrangea arborescens</i>	Wild Hydrangea	WD-M	P	N	6-10'	6-10'
<i>Hydrangea macrophylla</i>	French Hydrangea	WD-M	S, P	M	6-10'	6-10'
<i>Hydrangea quercifolia</i>	Oakleaf Hydrangea	WD-M	F, P, S	M	6-10'	6-8'
<i>Ilex X' Mary Nell'</i>	Mary Nell Holly	WD-M	F, P	M	10-20'	10-15'
<i>Ilex cornuta</i>	Chinese Holly	WD	P, F	H	15-25'	15-25'
<i>Illicium spp.</i>	Star Anise	WD	P, F	M	10-15'	6-15'
<i>Jasminum mesnyi</i>	Primrose Jasmine	WD-M	F	M	5-10'	2-5'
<i>Jasminum multiflorum</i>	Downy Jasmine	WD	F, P	M	5-10'	5-10'
<i>Jasminum nitidum</i>	Star Jasmine	WD	F	M	10-20'	5-10'
<i>Latropa integerrima</i>	Peregrina	WD	F, P	H	8-15'	5-10'
<i>Ligustrum japonicum</i>	Ligustrum	WD	F, P	H	8-12'	15-25'
<i>Loropetalum chinense</i>	Chinese Fringe Bush	WD	F,P	M	6-15'	8-10'
<i>Malvastrum arboreus</i>	Turk's Cap	WD-M	F	M	6-12'	3-5'
<i>Myrica cerifera</i>	Wax Myrtle	A	F, P	M	10-40'	20'-25'
<i>Nerium oleander</i>	Oleander	WD	F, P	H	4-18'	3-15'
<i>Osmanthus fragrans</i>	Tea Olive	WD	F, P	M	15-30'	15-20'
<i>Philadelphus inodorus</i>	English Dogwood	M-W	P, F	H	10-12'	6-10'
<i>Philodendron bipinnatifidum</i>	Tree Philodendron	WD-M	S, P	M	6-12'	10-15'
<i>Philodendron cvs.</i>	Philodendron	A	S, P	M	1-12'	2-15'
<i>Pittosporum tobira cvs.</i>	Pittosporum	WD	F, P	H	8-12'	12-18'
<i>Plumbago auriculata</i>	Plumbago	WD	F	M	3'-6'	3'-6'
<i>Podocarpus macrophyllus</i>	Podocarpus	WD	F, P	H	30-40'	20-25'
<i>Rhamnus caroliniana</i>	Carolina Buckthorn	WD	F, P, S	H	12-15'	10-15'
<i>Rhododendron cvs.</i>	Azalea	WD	P	M	3-12'	3-10'
<i>Sabal minor</i>	Dwarf Palmetto	WD-M	P, F, S	H	4-9'	4-8'
<i>Thunbergia erecta</i>	King's Mantle, Bush Clock Vine	WD-M	P, F	M	4-6'	5-8'

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**Table 16.335.9 C
Large Shrubs**

LARGE SHRUBS						
<i>Species</i>	Common Name	Soil	Light	Drought Tolerance	Height	Spread
<i>Viburnum obovatum</i>	Walter's Viburnum	WD	P, F, S	H	8-25'	6-10'
<i>Viburnum odoratissimum</i>	Sweet Viburnum	WD	F, P, S	M	15-30'	15-25'
<i>Viburnum rufidulum</i>	Southern Blackhaw	WD-M	F, P, S	H	20-25'	20-25'
<i>Viburnum suspensum</i>	Sandankwa Viburnum	WD	P, S	L	6-12'	6-12'
<i>Vitex agnus-castus</i>	Chaste Tree	WD	F, P, S	H	10-20'	15-20'
<i>Yucca spp.</i>	Yucca	WD	F, P	H	3-30'	3-15'

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**Table 16.335.9 D
Small Shrubs**

SMALL SHRUBS						
<i>Species</i>	Common Name	Soil	Light	Drought Tolerance	Height	Spread
<i>Caesalpinia spp. And cvs.</i>	Poinciana	WD-M	F	M	8-35'	10-35'
<i>Gamolepis spp.</i>	Bush Daisy	WD	F	M	2-4'	3-4'
<i>Ixora coccinea</i>	Ixora	WD	F	M	10-15'	4-10'
<i>Lantana depressa</i>	Weeping Lantana	WD	F	M	3-6'	3-6'
<i>Leucophyllum frutescens</i>	Texas Sage, Silverleaf	WD	F	H	3-5'	3-5'
<i>Lyonia lucida</i>	Fetterbush	WD-M	F, P	H	3-15'	2-5'
<i>Mahonia fortune</i>	Fortune's Mahonia	WD	S, P	M	3-5'	3-5'
<i>Pyracantha coccinea</i>	Firethorn	WD-M	F, P	M	10-15'	8-12'
<i>Raphiolepis spp. And cvs.</i>	Indian Hawthorn	WD-M	F, P	H	2-10'	2-6'
<i>Rosa spp.</i>	Rose	WD	F	M	1-20'	2-8'
<i>Rosmarinus spp.</i>	Rosemary	WD-M	F, P	H	3-6'	4-5'
<i>Russelia equisetiformis</i>	Coral Plant	WD	F	H	3-5'	6-12'
<i>Russelia sarmentosa</i>	Firecracker Plant	WD	F, P	M	3-4'	2-4'
<i>Sabal etonia</i>	Scrub Palmetto	WD	F, P	H	4-6'	4-6'

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Table 16.335.9 E
Ground Covers

<i>Species</i>	Common Name	Soil	Light	Drought Tolerance	Height	Spread
<i>Aloe spp.</i>	Aloe	WD	F, P	H	1-3'	1-3'
<i>Anthericum sanderi</i>	St. Bernard's Lily	WD	F, P	M	1- 1½'	½ - 1'
<i>Arachis glabrata</i>	Perennial Peanut	WD	F	H	½ - 1'	1-8'
<i>Aspidistra elatior</i>	Cast Iron Plant	WD	P, S	M	1-3'	1-3'
<i>Cyrtomium falcatum</i>	Holly Fern	WD-M	P, F, S	M	2-3'	3-4'
<i>Dyschoriste oblongifolia</i>	Twin Flower	WD	F, P	H	½ - 1'	1- 1½'
<i>Evolvulus glomeratus</i>	Blue Daze	WD	P	M	½ - 1'	1-2'
<i>Glandularia tampensis</i>	Tampa Vervain	WD	F	H	1½ - 2'	1 -1 ½'
<i>Hedera canariensis</i>	Algerian Ivy, Canary Ivy	WD	S	M	½ - 1'	1-6'
<i>Helianthus debilis</i>	Beach Sunflower	WD	F	H	Up to 2'	6' or more
<i>Ipomoea spp.</i>	Sweet Potato Vine	WD-M	F, P	H	10-20'	10-40'
<i>Juniperus conferta and cvs.</i>	Shore Juniper	WD	F	H	1-2'	6-10'
<i>Lantana montevidensis</i>	Trailing Lantana	WD	F	M	1-3'	4-8'
<i>Liriope muscari and cvs.</i>	Liriope, Monkey Grass, Border Grass	WD	F, P, S	M	1-2'	1-2'
<i>Mimosa strigillosa</i>	Powderpuff, Sunshine Mimosa	WD	F	M	½ - ¾'	8-10
<i>Ophiopogon japonicas and cvs.</i>	Mondo Grass, Dwarf Liriope	WD	S, P	M	½ - 1'	½ - 2'
<i>Phyla nodiflora</i>	Capeweed	WD-M	F, P	M	½ - 1'	8-10'
<i>Trachelospermum jasminoides</i>	Confederate Jasmine, Star Jasmine	WD-M	F, P	M	1-3'	1-30'
<i>Vinca major</i>	Periwinkle	WD-M	P, F, S	M	1-2'	1-5'

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**Table 16.335.9 F
Lawn Grass Species**

CHARACTERISTICS	LAWN GRASSES					
	BAHIA	BERMUDA	CARPETGRASS	SEASHORE PASPALUM	ST. AUGUSTINE	ZOYSIA
Area Adapted To	Statewide	Statewide	Wet Areas	Statewide	Statewide	Statewide
Soil	Acid, Sandy	Whole Range	Acid, Wet	Wide Range	Wide Range	Wide Range
Leaf Texture	Coarse-Medium	Fine-Medium	Medium	Fine-Medium	Coarse-Medium	Fine-Medium
Drought Tolerance	Excellent	Good	Poor	Good	Fair	Medium
Shade Tolerance	Poor	Poor	Fair	Poor	Good	Good
Wear Tolerance	Poor	Good-Excellent	Poor	Good-Excellent	Poor	Good-Excellent
Nematode Tolerance	Very Good	Poor	Poor	Good	Good	Poor
Maintenance Levels	Low	Medium-High	Low	Medium	Medium	High
Uses	Lawns, roadsides	Athletic Fields, golf courses	Wet Areas	Lawns, athletic fields, golf courses	Lawns	Lawns
Establishment Methods	Seed, Sod	Sod, sprigs, plugs, some seed	Seed, sprigs	Sod, plugs, sprigs	Sod, plugs, sprigs	Sod, plugs, sprigs

Source: "Selecting a Turf Grass for Florida Lawns," University of Florida IFAS Extension (ENHO4, 2007).