



City of Beaufort Presentation to Beaufort County Stormwater Board

February 1, 2012

Primary Goals For Stormwater Control In The City Of Beaufort

- * **December 2009 – Adopted Comp Plan – In part address protecting and improving water quality.**
- * **Cooperate with the Northern Beaufort County Local Governments to Adopt a Transect-Based Best Management Practices (BMP's) Manual.**
- * **Revise current development regulations/incentivize low impact development using the light imprint handbook.**

Primary Goals For Stormwater Control In The City Of Beaufort

- * **Develop regional small area stormwater plans.**
- * **Implement the recommendations of the Beaufort County Special Area Management Plan (SAMP).**
- * **Adopt baseline standards for critical line setbacks and natural vegetative buffers.**

Primary Goals For Stormwater Control In The City Of Beaufort

- * **Develop a specific water quality management plan for the Battery Creek watershed.**

Primary Goals For Stormwater Control In The City Of Beaufort

Municipal Stormwater Policy

- *February 2010 – Adopted Joint City-Town-Municipal Stormwater policy.
- *Recognizes the need to coordinate stormwater and land use goals.
- *Also acknowledges “one-size” solution is not appropriate for complex urban environment.

Primary Goals For Stormwater Control In The City Of Beaufort

Municipal Stormwater Policy (*Continued*):

- *A Unified Stormwater ordinance would address both water quality and quantity issues in the context of community design.**
- *Establishes that a sustainable land use model is the first BMP.**

Primary Goals For Stormwater Control In The City Of Beaufort

Municipal Stormwater Policy (*Continued*):

- *Will be based on transect model, with rural conditions having different BMP controls than suburban and urban areas.**
- *This would allow for new developments to have distinct standards from redevelopment projects.**

Redevelopment Transect Matrix



	T1/T2	SD	T3 Greenfield	T3 Infill	T4/T5 Greenfield	T4/T5 Redevelopment District	Redevelopment Site (under 4 acres)
Typical Conditions		Boundary Senior (west of Ribaut), 170	Burton Neighborhood Infill	Pigeon Point, NWQ	Whitehall	Downtown, Boundary Junior (east of Ribaut)	Beaufort Plaza
Nutrient Removal	n/a	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> (only if over 4 acres)		
Sediment Control	n/a	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (4 or less lots exempt)	<input checked="" type="checkbox"/>	Generally City/Town Responsibility (CIP) Partnership with City/Town/Developer to determine reasonable controls based on management practices in place	
Volume/Rate Control	n/a	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Partnership with City/Town/Developer to determine reasonable controls based on management practices in place	

City of Beaufort Stormwater Projects

Partial Capital Project List (Completed)

- * Depot Road (completed)
- * Duncan/Langhorne (completed)
- * The Point/Federal Street (completed)
- * Battery Shores (completed)
- * Water's Edge (completed)

City of Beaufort Stormwater Projects

Partial Capital Project List (Completed Cont)

- *Stone Martin Drive (completed)
- *Stone Martin Circle (completed)
- *Dr. Sherman/Johnnie Morrall (Phase 1 completed)
- *North Hermitage Road (design completed)

City of Beaufort Stormwater Projects

Three (3) Major Capital Projects Recap:

- *Duncan Langhorne (\$650, 000)
(4500 lf. 15” to 54” pipes + 40 structures)
- *Depot Road (\$800, 000)
(3800 lf. 18” to 48” pipes + 45 structures)
- *The Point Pond Reconstruction With Flood Control Gate (\$200, 000)

Duncan/Langhorne
Construction Cost: \$650,000



14 11:23AM

Duncan/Langhorne



10 11:26AM

Duncan/Langhorne



8 11:41AM

Duncan/Langhorne



8 11:28 PM

Depot Road
Construction Cost: \$800, 000



Depot Road



9:44 AM

Depot Road



24 11:20AM



**The Point Pond Reconstruction with
Flood Gate Control
Construction Cost: \$200, 000**

3 303PM

The Point Pond



10 12:00PM

The Point Pond Flood Gate



21 10 12 AM



The Point Pond

31 2:53PM

City of Beaufort Small Capitalized Stormwater Projects

- * Ditch cleaning in various neighborhoods.
- * Outfall maintenance.
- * Drainage pond maintenance.
- * City wide catch basin maintenance.
- * Total Cost: \$322, 000

Previous Condition at North Royal Oaks Drive



5:34 PM



Improved Condition at North Royal Oaks Drive

2 11:12AM



Previous Condition at West Royal Oaks Drive

5 3:37PM



Improved Condition at West Royal Oaks Drive

10 9:05AM

Outfall Restoration



MAR 03 11



Outfall Restoration

13 2:01PM

Battery Creek Outfall Restoration



13 1:55pm

Spanish Point Outfall Restoration



27 2:48PM

Spanish Point Outfall Restoration



2 11:41 AM




**Water's Edge Subdivision Pond Restoration
Construction Cost: \$35, 000**

25 3 12PM



Water's Edge

27 12:43PM

A photograph of a construction site for a pond and pipe installation. In the foreground, there is a large, shallow pond filled with muddy water. To the right of the pond, a large pile of dark soil and dirt is visible. In the background, several houses are visible, including a prominent yellow house with white trim. Tall palm trees are scattered throughout the scene. The sky is blue with some light clouds. The overall scene depicts a residential development in progress.

**Battery Shores Subdivision Pond and Pipe
Installation
Construction Cost: \$115,000**

14 11:09PM



29 10:39AM

Battery Shores

Battery Shores



28 2:37PM

Stone Martin Subdivision Outfall Replacement

Construction Cost: \$60,000



13 12:37PM

Stone Martin Subdivision



8 9410M

Summary

Short Term Goals and Regional Coordination:

- *Continue to participate countywide water quality monitoring program.**
- *Develop Stormwater Form Based Code**

Summary

Short Term Goals and Regional Coordination:

- * (MS4) – Minimum water quality control measures**
- * (MCM) No.1 – Public Education and Outreach Program**
- * (MCM) No.2 – Public Involvement and Participation**

Summary

Intermediate Goals:

- ***(MCM) No. 3 – Map out illicit discharge system.**
- ***Develop five (5) year Battery Creek Restoration plan with Beaufort County and the Town of Port Royal.**
- ***Finalize (IGA) between the City and County.**