

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	Ø			(only if over 4 acres)		
Sediment Control	n/a			(4 or less lots exempt)		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			Ø		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 If. 15" to 54" pipes + 40 structures) *Depot Road (\$800, 000) (3800 If. 18" to 48" pipes + 45 structures) *The Point Pond Reconstruction With Flood Control Gate (\$200, 000)

Duncan/Langhorne Construction Cost: \$650, 000

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Duncan/Langhorne

Duncan/Langhorne

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Duncan/Langhorne

Depot Road Construction Cost: \$800, 000

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Depot Road

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Depot Road

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

The Point Pond

The Point Pond Flood Gate

The Point Pond

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

Improved Condition at North Royal Oaks Drive

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Previous Condition at West Royal Oaks Drive

Improved Condition at West Royal Oaks Drive

Outfall Restoration

Outfall Restoration

Battery Creek Outfall Restoration

Spanish Point Outfall Restoration

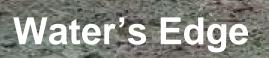
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Spanish Point Outfall Restoration

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



KOMAYSU



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

Battery Shores

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Battery Shores

Stone Martin Subdivision Outfall Replacement Construction Cost: \$60, 000

Stone Martin Subdivision

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.