

CITY OF FAYETTEVILLE

Stormwater Program Evaluation

AUGUST 6, 2018



Project Overview

- High-level Evaluation of the Stormwater Program
- Focus on the Stormwater Plan Review Process
- Development Process Review for Peer Communities
- Identify Immediate Program Refinements
- Evaluate Additional Potential for Funding Watershed or City-wide Stormwater Studies Beginning July 1, 2018



Observations

Observations – Stormwater Program

- Spot Repair Program is an effective, innovative initiative
- Only community within peer group without local Erosion & Sediment Control program
- Focus on Watershed Studies is a good way to identify and prioritize additional needs within the City
- Current process of funding capital projects in their entirety well before completion leads to costs estimating beyond encumbered funds.
- Many areas within the stormwater program are understaffed



Observations – Plans Review

- Development Review Process is complex and is not well documented
- Stormwater Plan submittal requirements (as enforced) have become more relaxed over time, leading technical review staff to spend more time on each one
- Plans review timeframe is on the high end compared to peer communities



Stormwater Treatment Requirements

- Treatment requirements are in line with those of peer communities

	Quantity	Quality
Fayetteville	peak flow attenuation from 2 and 10-year, 24-hour storm	remove 85% of total suspended solids (TSS) from runoff from the first one inch of rainfall
Durham	peak flow attenuation from 1-, 2-, and 10-year, 24-hour storms	remove 85% of total suspended solids (TSS) from runoff from the first one inch of rainfall; nitrogen and phosphorous removal; bacteria and sediment controls
Greensboro	peak flow attenuation from 1-year 24-hour storm; must analyze downstream impacts for 2- and 10-year 24-hour storms	remove 85% of total suspended solids (TSS) from runoff from the first one inch of rainfall
Winton-Salem	peak flow attenuation from 2-, 10-, and 25-year storms of minimum 6-hour duration	remove 85% of total suspended solids (TSS) from runoff from the first one inch of rainfall
Greenville	peak flow attenuation from 1-, 5-, and 10-year 24-hour storms; 25-year, 24-hour storms for areas of special risk	nitrogen and phosphorous removal

Recommendations



Development Review Process

- Create a flowchart for entire development review process
 - › decision points, applicability of each permit, timeframes, and other important information
- Provide checklists of requirements for each individual permit
- Use Developer Advocate as gatekeeper to reviewing parties
- Do not automatically approve stormwater plans after 30 days



Developer Requirements: “Help Us Help You”

- Require complete submittals and resubmittals
- Require comment response sheets and annotated resubmittals
- Enforce resubmittal fee consistently
- Limit direct developer access to reviewers; leverage Developer Advocate role





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Thank you!

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