CITY OF RALEIGH
STORMWATER MANAGEMENT ADVISORY COMMITTEE

The Stormwater Management Advisory Commission met in regular session on January 16, 2014, at 3:00 p.m., in room 305, in the Raleigh Municipal Building, Avery C. Upchurch Complex, at 222 W. Hargett Street, Raleigh, North Carolina, with the following members present:

Committee Members
Vanessa Fleischmann, Michael Birch, David Webb, JoAnn Burkholder, Marc Horstman, Chris Bostic, Will Service

Stormwater Staff
Mark Senior, Ben Brown, Scott Bryant, Mike Kennon, Lauren Witherspoon, Suzette Mitchell, Marva Watkins

Absent
Francine Durso, Kevin Yates

Guests
Philip Isley, Joan Davis, Gary Hughes, Alex Nice, Mike Wayts, Joe Lancaster (Rite Aid Hearing), Tom Worth (Observer, Attorney)

The following items were discussed with action taken as shown. Mr. Birch called the meeting to order.

Item 1 – Commission/Stormwater Staff Reports

1.1 Mr. Birch -

- Minutes - Mr. Birch made a motion to approve December 5, 2013 minutes as edited by e-mail. Ms. Burkholder seconded, the motion was approved unanimously as edited by e-mail.

1.2 Mr. Senior -

- Carl Dawson *(Public Works Director)* was expected to attend and give an update on the progress of the Stormwater division's reorganization and additional staffing, but since he had not arrived yet, he suggested moving on in the agenda.
- WQ Cost Share Policy Modifications Update – This has been sent to the City Attorney; is awaiting their comments.

1.3 Mr. Boyer –

- LID Update – The RFQ has been issued, Tetra Tech was selected and they are at work. There is an internal task force; they have met two times and have five items to work on and expect to meet in late February to go over their work plan. The hope to have a meeting in late spring or summer. Tetra Tech is working with staff on performance standards to meet in early February. They expect to have recommendations to the City Council in the spring for LID-based development in the watershed and Spring Forest Road improvements.

- LID Summit Conference – This will be in late March at the Raleigh Convention Center. Council Member Stephenson has been invited to be the keynote speaker; Mayor McFarlane was invited but was not available. Registration fee is $200.00.
- Environmental Awards – Stormwater Component – The Environmental Awards are open for nominations now. Nominations are due by February 14, 2014. There is a new Stormwater public service announcement video award for high school students. Posters were available for displaying anywhere high school students may see them. Members were encouraged to take some posters. They have been distributed to schools, libraries and recreation centers. They can be seen online on the City's website. The awards ceremony is scheduled for April 22, 2014.

1.4 Mr. Brown –

- Code Exemption from Stormwater Requirements Update – These have been discussed with staff and Planning. Percentages are not included in the Code change going to the City Council. The City Council has never authorized a text change like this. Four cities, similar in size to Raleigh, have been reviewed. Charlotte makes every site comply with the 10- and 25 year storm. Greensboro and Richmond, Virginia, say if you have a grading permit, you do retention on the site. Nashville, Tennessee, looks at water quality volume from runoff. There is no quantity information. Mr. Birch questioned the cost of a downstream impact study. Mr. Brown said it is between $5,000-10,000. Mr. Birch questioned the various types of exceeding downstream impervious methods implemented onsite. Mr. Brown said detention or underground detention. Mr. Birch asked if underground detention, what are the numbers? Mr. Brown said it depends on the size and length of the pipe. Mr. Service questioned the 25-year storm retention. Mr. Brown said the detention is releasing. You can do retention if you do it onsite. Mr. Senior confirmed the $5,000-10,000 figure is right. Mr. Webb said $5,000 is good. It was mentioned that Suzanne Harris, with Governmental Affairs, reached out and asked their members for feedback. They understand the impact from cost. Mr. Brown said they had a study option. Charlotte used a 25-year storm unless you did a study. Mr. Birch said let's get it on the February agenda and then to the City Council. Staff was asked to summarize from a study standpoint what the study would show. Mr. Brown said he will defer some costs to Mark, David and Chris to average it out.

1.5 Mr. Senior –

- Update on Crabtree Mall Flooding – Mr. Bryant said this is a potential drainage project to benefit all parties. There have been discussions with NCDOT and private owners that Amos talked to. Criteria and two options for system improvements and public benefit have come up. Amos expects to have more to present to SMAC at the next meeting.
- SMAC Replacement – Mr. Senior said they're looking at nominations for for the one vacancy on SMAC. The Upper Neuse Riverkeeper has been mentioned. The City Council is expected to act on it at their next meeting.

Item 2 – Variance Request – Rite-Aid #11920 at 4600 Capital Blvd. from URS (deferred from last meeting)

2.1 Mr. Brown indicated Rite-Aid representatives have been working with staff. To re-cap, they are requesting a variance from the nitrogen section from Stormwater runoff treatment. Mr. Brown said they are recommending use of Filterra. They want to treat impervious areas and work on nitrogen. DENR has not approved this yet.

2.2 Joan Davis *(Attorney for Rite-Aid)* recapped the background on the site and gave a presentation showing the use of Filterra and how it would look at the shopping center. Filterra was approved for the City of Raleigh Public Safety facility. Mr. Birch questioned the device being used for treatment being approved. Mr. Webb mentioned the square footage, which is for 0.428 acres. Mr. Bostic asked if you're treating more impervious area than you're putting in. The answer was yes. Mr. Bostic questioned roof drain flow. It was confirmed that it will go in the drains through direction. Mr. Service questioned what if it leaves the building and is across the parking lot. This was confirmed. Mr. Service questioned if one box treats 0.428 acres. It does. The box is sized on rates, about 140 inches per hour. Mr. Horstman questioned if this calculated in nitrogen. Yes; it used 35% and is recommended by BMP report. Rite-Aid has used these boxes in South Carolina and they have performed well. Filterra maintains them the first year. Then, they may hire Filterra people to maintain them. Three are being reviewed in Durham now for new development. Durham has used them. Mr. Service asked if you don't get a variance, you may lose parking spaces, right? Yes, and this is trying to reduce the risk of contaminated soil. The watershed for this was questioned. It is from Marsh Creek to Crabtree Creek to the Neuse River.

2.3 Ms. Burkholder made a motion to grant the variance.

2.3.1 Mr. Horstman seconded, the motion was passed unanimously.

2.4 Mr. Birch questioned the time frame for approval and questioned will it eliminate the need to come to SMAC with items like this. Mr. Brown said this will get rid of the need, but he was not sure of the process. Mr. Webb said DENR will review it and they require two years and two studies. Mr. Senior said it is a desire to control nutrients and data is supportive so DENR should bless it.

Item 3 – Other Business

3.1 Mr. Birch suggested deferring Carl Dawson's update to the next meeting. Mr. Kennon said Mr. Dawson apologizes; he had a field meeting and is moving toward reorganization, which he will take to the City Council on Tuesday. If there are any questions, Mr. Dawson will be glad to hear from you.

3.2 Mr. Bryant noted the addition of positions and said there were 600-900 complaints last year related to capital projects. Mr. Birch said he knew it was budget season and asked if there were money requests and petition projects and were they proposing to keep some? Mr. Bryant said yes, there are healthy ones and we have some carry over from last year.

3.3 Mr. Senior reminded SMAC members to complete their contact information form.

Meeting was adjourned at 4:02 p.m.

Marva A. Watkins
Stormwater Management