



WILDWOOD

November 30, 2022

MEMORANDUM

To: Watershed Erosion Task Force Members

From: Department of Planning

Re: Improving Detention Basin Effectiveness (Wards Two, Three, Four, Seven, and Eight)

Cc: The Honorable James R. Bowlin, Mayor
Steve Cross, City Administrator
John A. Young, City Attorney
Joe Vujnich, Director of Planning and Parks
Rick Brown, P.E. and P.T.O.E., Director of Public Works
Melanie Rippetoe, Assistant Director of Planning and Parks
Travis Newberry, Senior Planner

BACKGROUND INFORMATION >>> The task force has focused on many important issues relative to improving stormwater management and addressing problem areas that exist within the City's nine (9) watersheds. More recently, the task force made two (2) major decisions regarding these efforts. The first of these major decisions was to define a project that would address the causes of the erosion that is leading to the issues in certain watersheds, which was determined to be retrofitting existing, and older, detention/retention basins to function at current standards, which are much improved and provide a higher level of protection of downstream properties. The second major decision was to select a project that did not have the significant cost considerations as the critical locations have exhibited. Again, the lower cost project was also the detention/retention basin retrofits.

To this end, the task force recommended the consultant team it had used for the work on the critical locations, Joe Wilson and Todd Wanger, provide an estimate for analyzing all the basins in the Caulks Creek Watershed, particularly those facilities that are located upstream from the triple meander location, where the need is most critical. This analysis would provide an assessment if there was any of these basin facilities that could be upgraded and, if so, which locations would be most beneficial. This analysis was completed by the consultants and identified six (6) different basins that could be further studied in this regard. Five (5) of these basins are located in residential subdivisions and controlled by their respective Homeowners Associations.

Thereafter, the task force directed the Departments of Planning and Public Works to develop a draft letter to these Homeowners Associations about this project and the need for cooperation with them to allow the consultant team to visit these locations and do more precise analysis of them in this regard. The letter was drafted and reviewed by the task force and eventually accepted for distribution. The letter was mailed to the Homeowners Associations, of which five (5) of them have agreed to allow this access to their facilities by the consultant team. With this permission, the Departments of Planning and Public Works held a conference call with the consultant team to begin the process of further study of the first five (5) basins.

NEXT STEPS >>> The consultant team has noted that it can begin this study process after the first of the year. The study process does require the consultant team to visit each of the locations and better understand their characteristics and current conditions. With this information, a report would be prepared on the feasibility of each location for possible retrofits. If feasible, the Departments and the consultant team would then discuss with the task force the cost of the development of the engineered plans for one (1) or more of the basins to be addressed. The number of basins that may be addressed, as part of this process, would be based on costs and funding.

These locations are as follows:

#	TERRASPEC ID Number	MSD Facility ID Number	Subdivision and Plat	Homeowners Association's (HOA) Actions
1.	NE11-B1	23U1-0230D	Westglen Farms – Plat 3	HOA agreed to allow access
2.	NE36-B3	21U4-0187D	Wynncrest – Plat 5	HOA agreed to allow access
3.	SE44-B2	24U1-0366D	Harbors at Lake Chesterfield	HOA agreed to allow access
4.	SE72-B1	24V2-0294D	Dierbergs Wildwood – Lot 4	This location is a commercial basin, which is located behind B & B Theatre, of which the City already has access rights to it
5.	SE38-B1	24U2-0305D	Copper Lakes – Plat 3	HOA agreed to allow access

OTHER AND CONTACT INFORMATION >>> If any of the Task Force Members should have any questions or comments regarding this information, please feel free to contact the Department of Planning at (636) 458-0440. A presentation is planned on these items at tonight's meeting. Thank you for your review of this information and input on the same.