



## MEMORANDUM

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July 1, 2013

TO: Board of Mayor and Aldermen

FROM: Paul Holzen, P.E., Director of Engineering  
Eric S. Stuckey, City Administrator  
David Parker, P.E., City Engineer

SUBJECT: CIP Project Status – Stormwater Projects

### Purpose

The purpose of this memo is to update the Board of the status of some of the City's stormwater projects.

### Project Status

#### A. Jackson Lake Dredging Improvements Project

**Key Dates:** Design Start – 9/9/2008; Design Completion – June 2010; Bid Date – February 15, 2011; Construction Start – May 2, 2011; Construction Completion – July 31, 2013

**Cost:** Design – \$69,400.00; Construction – \$1,663,931.73

**Status Update:** Contractor is complete with the dredging of the lake and currently is cleaning up the area around the lake. Staff is working on verifying the final survey of the Lake to close out the project. The Contractor will be cleaning up the dredged material and expects to be completed by July 31<sup>st</sup>.

#### B. Green Branch Stream Restoration Project

**Key Dates:** Design Start – 3/22/11; Design Completion – April 2012; Easement Acquisition Start - June 2012; Easement Acquisition Completion – September 2012; Bid Date – March 4, 2013; Construction Start – April 29, 2013 ; Construction Completion – June 5, 2013

**Cost:** Design - \$53,070.85; Construction - \$103,650.50

**Status Update:** The project is complete other than some deposition removal and additional coir log installation at the request of the City. The landscaping will not be planted until the fall. If planted now, it does not have a high level of success to live.

#### C. Ralston Creek (Victoria Court) Stream Restoration Project

**Key Dates:** Design Start – 3/22/11; Design Completion – September 2012; Easement Acquisition Start – April 2012; Easement Acquisition Completion – June 2013; Bid Date – July 2013; Construction Start – September 2013; Construction Completion – October/November 2013

**Cost:** Design - \$49,813.00; Construction - \$150,000.00 (engineering estimate)

**Status Update:** The engineer resubmitted plans with the comments addressed on June 3, 2013. Permit applications for the ARAP and Corps will be submitted this week. Only one temporary construction easement remains to be obtained.



**D. Harpeth River Restoration Project**

**Key Dates:** Design Start – December 2011; Design Completion – June 2012; Easement Acquisition Start – N/A; Easement Acquisition Completion – N/A; Bid Date – June 5<sup>th</sup>, 2012; Construction Start – August 2012; Construction Completion – November 21, 2012;

**Cost:** Design – N/A; Construction - \$309,641.00 (engineering estimate)

**Status Update:** Project is complete and staff is waiting on final change order and pay applications. Project closeout will take place over the next few months.

**E. Battle Avenue Drainage Improvements**

**Key Dates:** Design Start – July 24, 2012 (BOMA Approved); Design Completion for Drainage Study– May 2013 (Estimated); Easement Acquisition Start – TBD; Easement Acquisition Completion – TBD; Bid Date – TBD; Construction Start – TBD; Construction Completion – TBD;

**Cost:** Initial Design – \$46,500.00; Construction - TBD (engineering estimate)

**Status Update:** First phase of this project is only the Drainage Study and recommendations for improvements. Actual construction plan designs will have to be authorized by a contract amendment. The Engineering Department discussed the initial draft at the May CIC meeting. Because of feedback received at the meeting, we have requested additional information from surrounding neighborhood areas. Survey letters were sent out at the end of May. The revised study will be discussed at a future CIC meeting.

**F. Ralston Creek (Cheswicke Farms) Stream Restoration Project**

**Key Dates:** Design Start – June 2013\*; Design Completion – September 2013\*; Easement Acquisition Start – September 2013\* (Creek Buffer Coordination); Easement Acquisition Completion – October 2013\*; Bid Date – September 2013\*; Construction Start – October 2013\*; Construction Completion – December 2013\*

\*Denotes Estimated Dates

**Cost:** Design - \$70,000; Construction - \$100,000.00 (estimate)

**Status Update:** The engineer and City Staff met on May 09, 2013 at CIC meeting, to discuss Ralston Creek Restoration at Cheswicke Farms and again on May 14, 2013. Said creek was evaluated in and identified as a stream in need of restoration work in 2010. There is a concrete swale underneath portions of said stream which needs to be removed, along with other measures, upon mitigation. City will solicit CEC Consultants for design on project.