

# COUNTY OF YORK

## MEMORANDUM

**DATE:** July 19, 2016 (BOS Mtg. 8/2/16)

**TO:** York County Board of Supervisors

**FROM:** Neil A. Morgan, County Administrator 

**SUBJECT:** IFB2002 – Lackey Gravity Sewer Rehabilitation Phase I, Recommendation for Awarding Contract

### Purpose

The purpose of this agenda item is to recommend the award of a contract for the rehabilitation of the Lackey area gravity sanitary sewer collection facilities. The rehabilitation will reduce the volume of inflow and infiltration (I/I) of storm and ground water that gets into the sanitary sewer collection system. Having excess storm and ground water in the gravity collection system can cause sanitary sewer overflows during significant storm events.

### History

In September, 2007, the Commonwealth of Virginia Department of Environmental Quality (DEQ) issued a Special Order by Consent (SOBC) to the Hampton Roads Region with the exception of the City of Norfolk, which was already under an SOBC to rehabilitate the sanitary sewer collection systems in each locality to prevent sanitary sewer overflows. Under the SOBC, all localities in the Hampton Roads Sanitation District (HRSD) were to evaluate their collection systems through a comprehensive inspection program, including smoke testing, CCTV inspection, manhole inspections, and flow monitoring. Additionally, each locality had to provide HRSD detailed “As-built” information on its collection system, pump stations, and flow monitoring data for the development of a Regional Hydraulic Model (RHM). Another requirement of the SOBC required each municipality to prepare rehabilitation plans for each sewer basin that exceeded the 10-year peak flow threshold established by the Hampton Roads Planning District Commission (HRPDC) Director of Utilities Committee.

The initial SOBC placed the entire financial burden on each locality to complete the necessary rehabilitation work over a mutually acceptable schedule with DEQ. Once the localities were able to provide HRSD reliable flow monitoring data and the RHM was developed and calibrated, a change in direction caught momentum simply called “Regionalization”. Slightly over a year was then dedicated by the HRPDC Director of Utilities Committee and HRSD to the study/evaluation of regionalizing all of the Hampton Roads sanitary sewer collection systems under one operation, HRSD.

Ultimately, the Regionalization efforts did not gain full support, but a “Hybrid” approach to Regionalization was approved. Under the “Hybrid” approach, HRSD would take responsibility for rehabilitating the region’s leakiest sanitary sewer basins, regardless of the location. The concept was to make investments in the leakiest basins to maximize the volume of water removed from the collection system that did not need to be treated. This approach would benefit all localities from a financial and operational perspective. Under the “Hybrid” approach, each locality would still be responsible for correcting major defects and reducing I/I to minimize the occurrence of sanitary sewer overflows.

The Lackey area sanitary sewer collection system does not make the list of one of the leakiest basins in the Hampton Roads. Consequently, Lackey is not a rehabilitation project that HRSD would be responsible for under the “Hybrid” plan. However, the Lackey collection system does have major defects, and a large residential development (Rose Hill, 242 lots) has been approved that would increase the volume of sanitary sewer flows that the collection system would have to handle. Therefore, to be proactive the Department of Public Works proceeded with the Lackey Rehabilitation Project (project map attached).

### **Procurement**

IFB 2002 – Lackey Gravity Sewer Rehabilitation Phase I, which consists of rehabilitation of approximately 9,800 LF of 8” Gravity Sewer, 2,000 LF of laterals, and 50 manholes went out to bid in May. The low bidder of the project was Prism Contractors and Engineers, with a bid of \$915,752. The original budget for Phase I of Lackey Rehab Plan was \$1.2 million.

### **Summary**

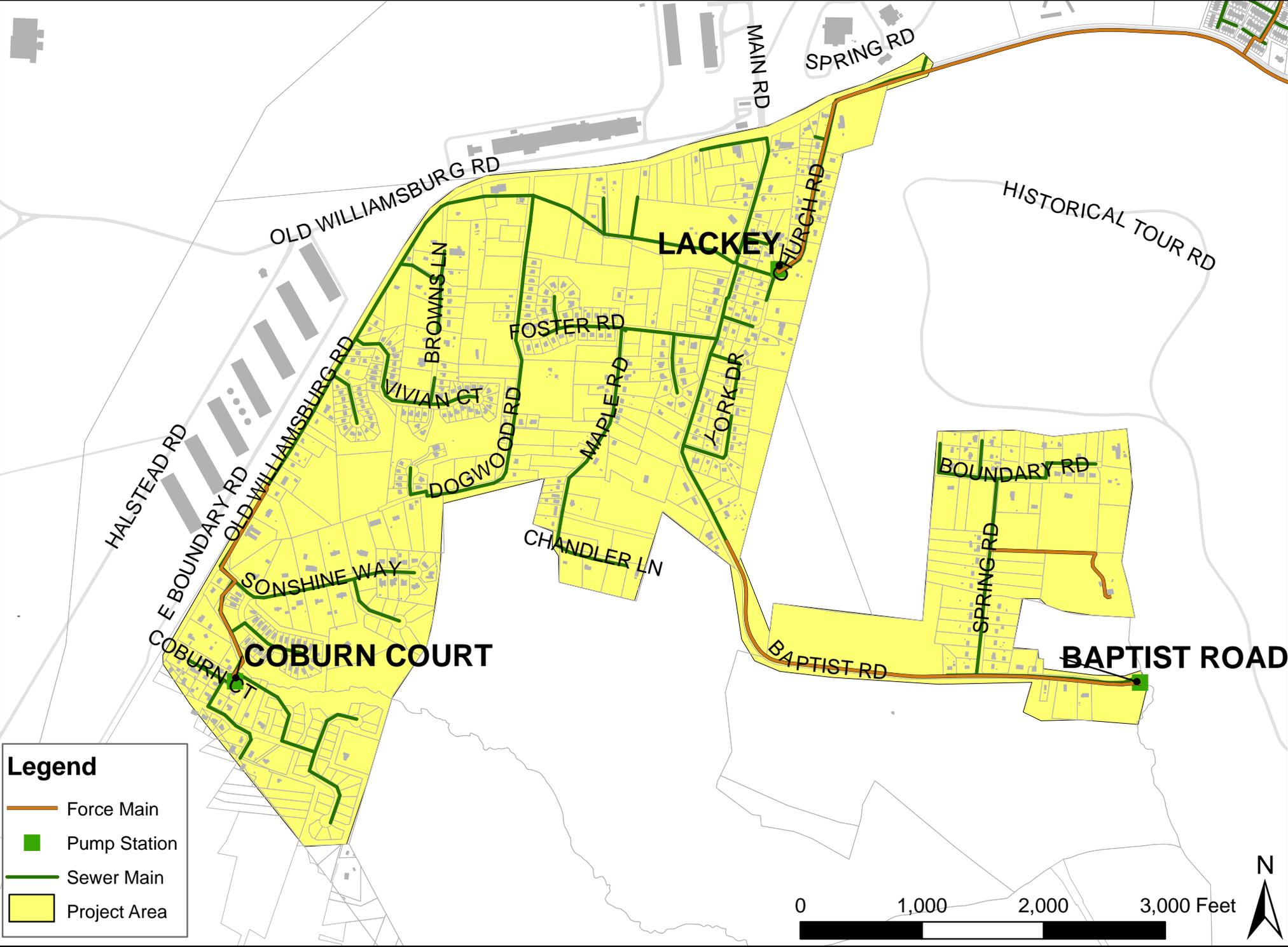
The award of this contract will benefit the County in several ways. The ongoing maintenance and repair of our sanitary sewer collection system, including rehabilitation, is a requirement of the Special Order by Consent with the Department of Environmental Quality. The rehabilitation efforts will reduce the occurrence of sanitary sewer overflows within this basin that will benefit the environment and will help the County with respect to its Total Maximum Daily Load (TMDL) Bacteria Plan. Therefore, I recommend approval of proposed Resolution R16-92 to award a contract to Prism Contractors and Engineers for the Lackey Gravity Sewer Rehabilitation, Phase I, project.

Woodward/3241:bkw

### **Attachments:**

- Project Map
- Proposed Resolution R16-92

# Lackey Area Sewer Rehabilitation Project



BOARD OF SUPERVISORS  
COUNTY OF YORK  
YORKTOWN, VIRGINIA

Resolution

At a regular meeting of the York County Board of Supervisors held in York Hall, Yorktown, Virginia, on the \_\_\_\_ day of \_\_\_\_\_, 2016:

Present

Vote

Jeffrey D. Wassmer, Chairman  
Sheila S. Noll, Vice Chairman  
Walter C. Zaremba  
W. Chad Green  
Thomas G. Shepperd, Jr.

On motion of \_\_\_\_\_, which carried \_\_\_\_, the following resolution was adopted:

A RESOLUTION TO AUTHORIZE THE COUNTY ADMINISTRATOR TO EXECUTE A CONTRACT FOR THE LACKEY GRAVITY SEWER REHABILITATION, PHASE I

WHEREAS, it is the policy of the Board of Supervisors that all procurements of goods and services by the County involving the expenditure of \$100,000 or more be submitted to the Board for its review and approval; and

WHEREAS, the County Administrator has determined that the following procurements are necessary and desirable, they involve the expenditure of \$100,000 or more, and comply with all applicable laws, ordinances, and regulations;

NOW, THEREFORE, BE IT RESOLVED by the York County Board of Supervisors this \_\_\_\_ day of \_\_\_\_\_, 2016, that the County Administrator be, and hereby is, authorized to execute procurement arrangements with Prism Contractors and Engineers in the amount of \$915,752 as follows:

	<u>AMOUNT</u>
Prism Contractors and Engineers	\$915,752