

**Item Title:** Award Construction Contract in the Amount of \$684,206.25 for the South Wake Landfill Gas Collection System Expansion Project

**Specific Action Requested:**  
**That the Board of Commissioners:**

- **Awards a construction contract to Advance One Development, LLC, of Charlotte, North Carolina in the amount of \$684,206.25 for the South Wake Landfill Gas Collection System Expansion Project; and**
- **Authorizes the County Manager to execute this contact subject to terms and conditions acceptable to the County Attorney.**

**Item Summary:**

**Purpose:** State statute requires the Board of Commissioners to approve all public bid construction projects more than \$500,000.

**Background:** Wake County owns and operates the South Wake Landfill. To comply with State permit requirements and best practices, Wake County developed and is implementing a plan to handle landfill gases and odors. This plan includes temporarily closing the lined areas of the landfill in phases, and the construction of collection and control systems. Currently, the objective is to further expand the Landfill Gas (LFG) collection system in Phase 2B and replace unproductive wells in the deepest areas of the landfill. These improvements will increase the effectiveness of the LFG system by removing more liquids from the vertical wells and controlling fugitive-emissions/odors.

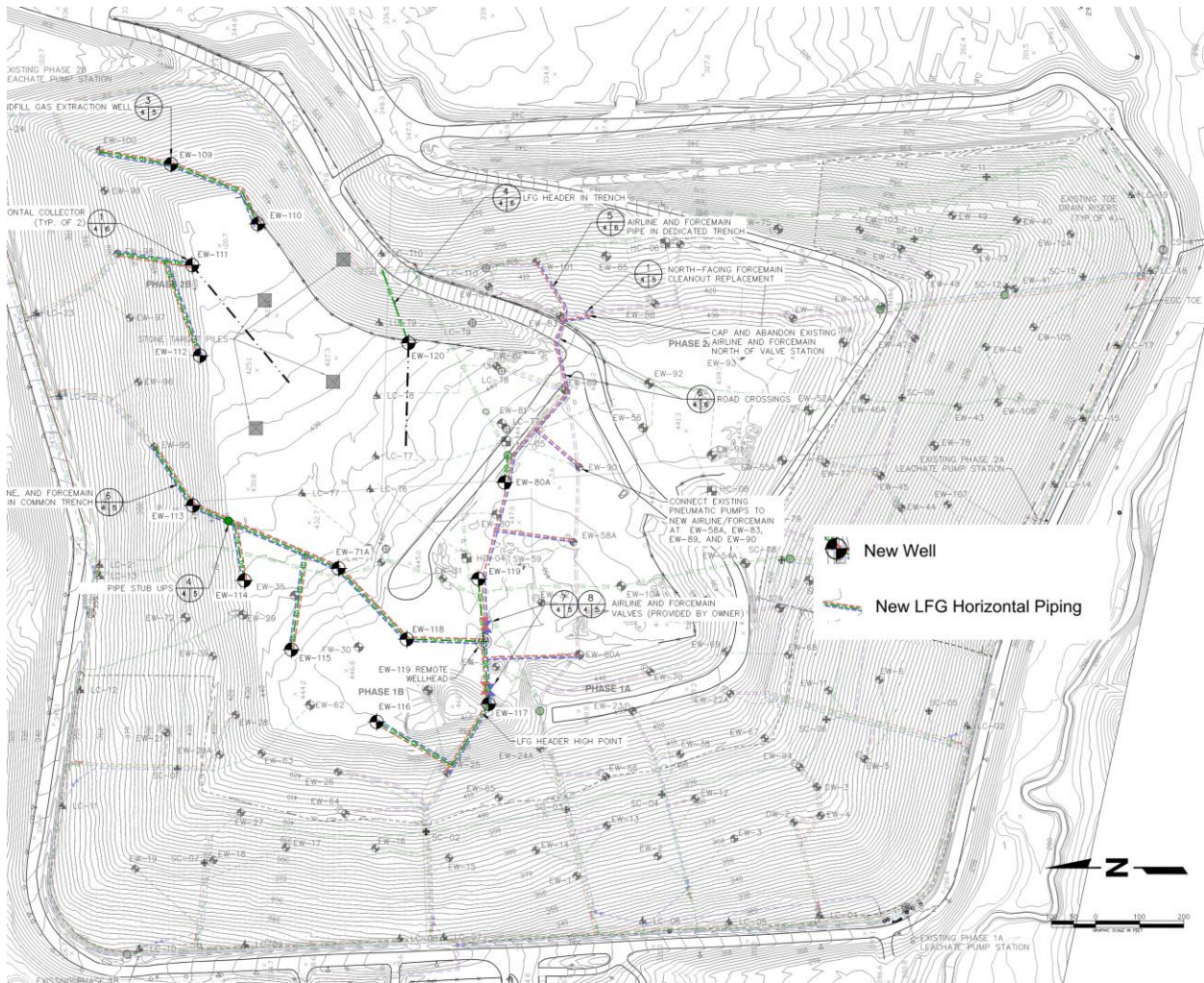
**Strategic Plan:** This action supports routine County business.

**Fiscal Impact:** This project is funded in the Solid Waste Element of the Capital Improvement Plan. The contract award is within the allocated budget and no additional funds are required.

**Additional Information:**

The scope of work includes the drilling 14 new vertical extraction wells, installing new wellheads, dewatering pumps, condensate sumps, additional header and lateral piping, extension of the air and force main piping, and valves.

Locations of the new horizontal LFG collection piping and wells are shown on the map below:



On May 8, 2024, bid proposals were initially received from only two licensed contractors. Because this result did not meet the three-bid minimum requirement, the project was re-advertised in accordance with NC General Statutes. On May 21, 2024, the project was rebid, and bids were received from two licensed contractors. A Bid Tab is attached for reference.

There are sufficient funds available to cover the project in the South Wake Landfill Enterprise Fund. The South Wake Landfill Enterprise Fund was created for the purpose of purchases, operations, and maintenance of South Wake Landfill facilities. Staff recommends award of the construction contract to the lowest responsible responsive bidder, Advance One Development, LLC. In the amount of \$684,206.25. With award of this contract, construction is expected to begin in August 2024 and be completed by December 2024.

**Attachments:**

1. Bid Tab
2. Project Cost Summary