

## **AMENDMENT TASKS**

During the design process, several out-of-scope items were completed. To maintain momentum, the engineer proceeded with these tasks, with the understanding that they would be addressed in a future amendment. A general description of these items is provided below:

### **A. Detailed Design Package 1- Big Branch 2 Pump Station – Additional Design Work :**

1. Additional hydraulic analysis and pump selection evaluation was performed to account for the Western Wake Basin manifold into the force mains on multiple locations.
2. Assisted in a watermain evaluation to provide water for Big Branch 1 Pump Station and Big Branch 2 Pump Station.
3. Additional project meetings and board meeting presentations were required to coordinate design, permitting and property owner negotiations.

### **B. Detailed Design Package 2: BB2PS FMs and the Water Main Extension to Municipal Boundary – Additional Design Work:**

1. Preparation for and presentation at the Town of Apex council.
2. Design of a proposed access road off Winding Way Road to facilitate access to the proposed easement on the north side of the Moore property.
3. Southern alignment investigations including research of options, GIS mapping of potential options, discussions with NCDOT, Duke Energy, and Ms. Stitt, and internal team discussions and meetings.
4. Coordination and associated modifications to the alignment associated with the proposed development of the property just north on New Hill-Holleman Road.
5. Coordination and associated modifications to the alignment associated with the proposed YMCA development on the property just south of New Hill-Holleman Road.
6. Coordination and effort related to USACE impacts near the Western Wake Regional Water Reclamation Facility. This included the development of mapping and options, modification of design plans, meetings with the Town of Cary and the USACE, and incorporation into the Standard Permit package.
7. Additional project meetings and board meeting presentations were required to coordinate design, permitting and property owner negotiations.
8. Modifications to easement limits at properties along the force main corridor and associated coordination with surveyor for exhibit modifications.

### C. Permitting and Encroachments:

Additional permitting services were needed beyond the original Time and Materials due to multiple permit submittals and additional permitting that was required for the project. These services are through February 28, 2025.

The additional permitting was related to the following:

1. Hazen Additional Permitting Services:
  - i. Floodplain Permitting
  - ii. 401/404 Standard Permit
  - iii. VAD coordination and Meeting
  - iv. Other Permitting
2. CJS Additional Permitting Services:
  - i. NCDOT Encroachments Negotiations
  - ii. VAD coordination and Meeting
  - iii. Wake County Permitting
  - iv. Other Permitting