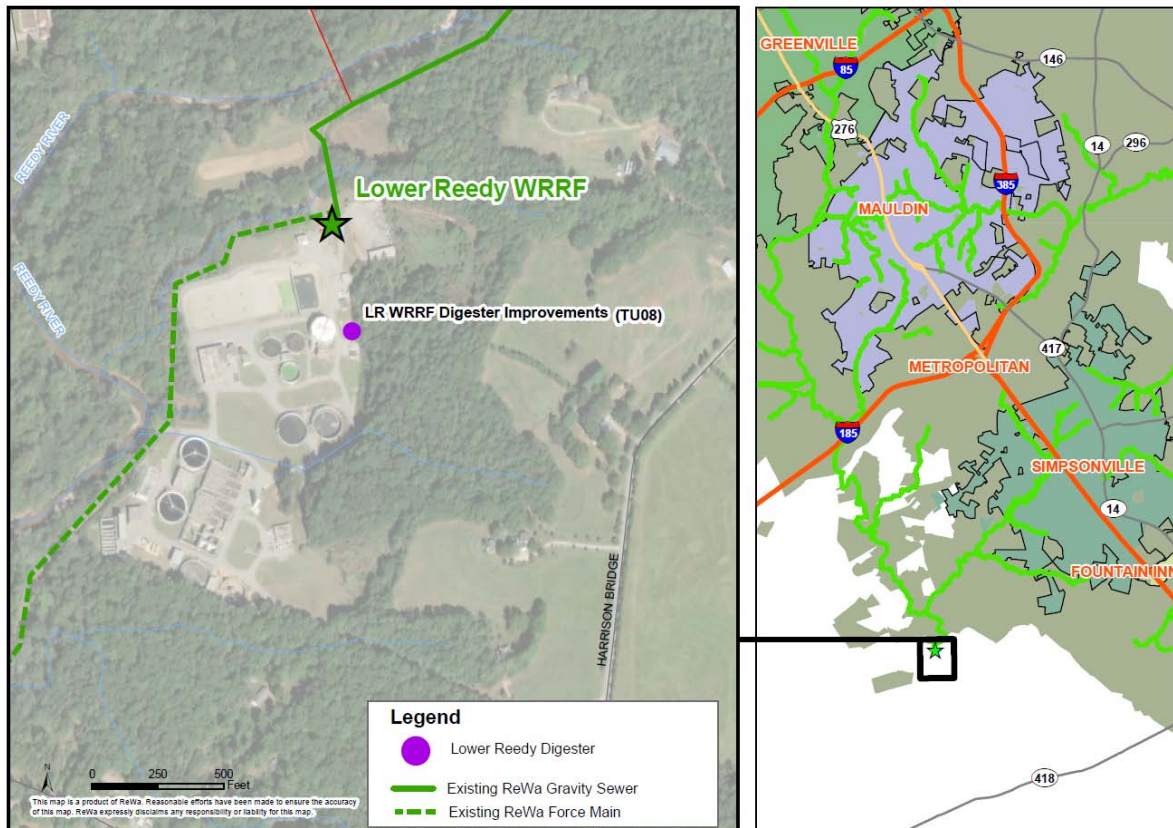


## Exhibit B: Project Approach - Process

**Project Scope:** The Lower Reedy WRRF is an 11.5 MGD biological nutrient removal (BNR) facility with an average daily flow of 6.8 MGD. Solids treatment consists of anaerobic digestion, biosolids storage, thickening (pre- and post-digestion), and liquid land application. Landfill disposal of dewatered cake serves as a backup to the liquid land application program. The facility was converted from aerobic digestion to a single mesophilic anaerobic digester during the 1998 expansion. The facility was rated to treat 7.5 MGD at that time. The facility was upgraded again in 2004, and the liquids train capacity was increased to 11.5 MGD. Some solids processing improvements were included in this upgrade; however, the overall capacity of the solids train was not increased. The digester is a floating cover style with gas bubble mixing. Digester gas is No significant improvements have been made to digestion facility since it was constructed. Loading to the digester is at or near its originally designed capacity. In addition, the existing digester has not been taken out of service for cleaning or inspection since being commissioned nearly 20 years ago. Struvite formation has been problematic within the existing digester equipment and piping.

**Provide a project approach and schedule that identifies all the activities and project related aspects to be considered for the conceptual design, detailed design, permitting, bidding, and construction phases to complete the Lower Reedy Digester Project.**

### Lower Reedy Digester Improvements (TU08)



### LEGEND

- WAS
- TWAG
- DIGESTED BIOSOLIDS
- THICKENED BIOSOLIDS
- FILTRATE
- PRIMARY SLUDGE/SCUM
-  FLOW METER
-  POSITIVE DISPLACEMENT PUMP
-  GRAVITY BELT THICKENER/  
BELT FILTER PRESS
-  PUMP

