

Preliminary Project Discussion for Sewage Works Construction Projects
Background Information
Engineer/ Owner

Project Name: **Clearview Acres TF – Walnut Chase Sd Addition**

NPDES or SOP Number (if existing):

A. Identification of parties

- a. Applicant **Walnut Chase Partnership – Bud George**
- b. Permittee **Consolidated Utility District**
- c. Consulting Engineer **Jamie Reed P.E., R.L.S.**
- d. Funding Agencies (if applicable) **None**
- e. Entity to sign off on compliance with local codes (i.e. building inspector) **Consolidated Utility District**

B. Project Purpose and Objectives

The proposed Clearview Acres and Walnut Chase Subdivision is located along Walnut Grove Road (Hwy 269). Currently the proposed subdivisions will contain (~305 residential lots) will have a peak design discharge of approximately 91,500 gpd of domestic wastewater that will be served by a proposed decentralized treatment facility; however, the wastewater treatment will consist of recirculating sand filter 1-(202.5'X55' existing) and 1-(135'X55' proposed), existing 14,000-gal recirculating tank, existing 3,000-gal final dose tank, and existing ultraviolet disinfection building. The site includes 34 drip dispersal zones @ 4,620 LF per zone. In addition, this site will contain 50% reserve area approximately 7.00 acres.

C. Map of general service area

- a. Probable site and construction area **see pdf of plans**
- b. Adjacent properties **see pdf of plans**
- c. Significant waters of the State **See PER**
- d. Geological features **see pdf of plans**
- e. Property boundaries **see pdf of plans**

D. Existing Inflow and Infiltration **Proposed sand filter design flow total 91,500 gpd**

E. Influent characteristics

- a. Last 12 MORs (if applicable) **none**
- b. Industrial dischargers **none**

F. System capacity

- a. Hydraulic
 - i. Average Daily Dry Weather Flow – ADDWF
 - ii. Average Daily Flow - ADF

- iii. Peak Flow **91,500 gpd**
 - iv. Design Flow **91,500 gpd**
 - b. Nutrient
 - i. Influent loads
 - 1. Average Daily Dry Weather Flow - ADDWF
 - 2. Average Daily Flow – ADF **91,500 gpd**
 - 3. Design Flow **91,500 gpd**
 - c. Treatment/ Conveyance
 - i. Accommodation of variability of loads **drip dispersal no direct discharge**
- G. Procurement methodology
 - a. Design-bid-build **No**
 - b. Design build **No**
 - c. Preselection of equipment/processes **Wastewater system will be bid for construction**
 - d. Relationships of various agencies involved **Rutherford County Planning (planning authority), Consolidated Utility District , TDEC (approvals)**
 - e. How and when ownership/access/easements will be transferred to wastewater operational entity
- H. Reliability class of components and electrical service
 - a. Operator certification level **Consolidated Utility District**
 - b. Manpower requirements **1 person**
- I. Proposed project schedule **projected start date April 2021**
- J. Provide copy of PER if already prepared PDF **sent**