Bradley:

Under our contract with CRA Architects Kimley-Horn coordinated several civil engineering related approvals through the City of Bushnell for the Detention Center Expansion project. We coordinated approval of the sanitary sewer system analysis, site plan approval through the City’s development review process, and review and signature of the FDEP permit applications by the City. During those reviews the subject of a separate agreement between the County and the City was never raised to us by the City, and none of the written correspondence or permit approvals between Kimley-Horn and the City and their consultant makes any reference to such an agreement.

If ERU’s were to be tabulated for the project the City’s calculation is not correct. The 2.25 max day factor the City references is purely a permitting requirement for the FDEP permit application that recognizes that there will be some days where the flows may exceed the average. Conversely, there will be some days where the flows will be below the average. ERU calculations in Bushnell are based on average daily flows.

ERU calculations in the City of Bushnell are to be calculated by their Ordinance (attached), which clearly establishes an ERU as the flows correlating to an “..Average Daily Water Consumption and Wastewater Flow Estimates..”. Further, their ordinance provides two examples where it is demonstrated that the flows are calculated on average use and no peak factors are applied in either example.

Based on Bushnell’s ordinance, the ERU’s would be calculated as follows:

**Water:**

100 gpd/bed x 256 beds = 25,600 gallons per day

Level of Service per City Ord. = 250 gpd/ERU

25,600 gpd/250 gpd/ERU = 102 ERUs – 2 ERUs = 100 ERUs

**Sewer:**

100 gpd/bed x 256 beds = 25,600 gallons per day

Level of Service = 250 gpd/ERU

25,600 gpd/250 gpd/ERU = 102 ERUs – 2 ERUs = 100 ERUs

Rick