



TEL 256.233.6444 | FAX 256.233.6475 | PO Box 110 | 17218 Highway 72 West | Athens, Alabama 35612 | www.lcwsa.com

September 10, 2021

Mr. Nathan Tomberlin, P.E.
Pugh Wrig McAnally
310 8th Avenue
Decatur, AL 35601

Re: Water & Sewer Availability Request / Letter dated August 22, 2021

Mr. Tomberlin,

After a review of the attached proposed water and sewer demand for 319 total single family residential dwellings to be located on the 92-acre tract directly across Nick Davis Road from the Limestone County Correctional Facility, Limestone County Water & Sewer Authority (LCWSA) will provide water service as requested. LCWSA will serve sanitary sewer as well contingent on approval from the City of Huntsville as the flow is sent directly to them. Once we receive approval/denial of the request you will be notified in a separate letter. The developer will be financially responsible for all water and sewer infrastructure within the development as well as any offsite improvements necessary to connect to existing LCWSA infrastructure. All proposed construction and connection points to LCWSA existing infrastructure must be reviewed and accepted by LCWSA prior to design beginning. All design must conform to the LCWSA standard water and sewer specifications and design criteria that can be found on our website at the following link under the subdivision policies tab: <https://www.limestonecountywater.com/>.

Thank you and feel free to call me if you have any questions at 256-527-1836.

Sincerely,

A handwritten signature in black ink that reads "Alan Lash".

Alan Lash, P.E.
Engineering Manager

Cc: Daryl Williamson, CEO

8-22-2021

Limestone County Water & Sewer Authority
17218 Hwy 72 West
Athens, AL 35612

RE: Water and Sewer Availability Request for Property Located off Nick Davis Road South of the Limestone Correctional Facility

To Whom it May Concern,

We are requesting water and sewer availability for a 92 acre tract of land located off Nick Davis Road south of the Limestone Correctional Facility. The site is currently undeveloped with the current land use being primarily for cultivation purposes. Proposed improvements for the subject parcel will be for residential development. The proposed development will contain 319 single family detached homes. It is anticipated work will begin in the 4th quarter of 2021. Each residence (319) will require individual metered service.

Residential

Lots/homes: 319

200 gallons per day per home/unit (from policy)

200 gpd * 319 homes = 63,800 gpd

Peaking factor of 4 = 4 * 63,800 gpd = 255,200 gpd

Peak Flow = 255,200 gpd / 1440 mpd = 178 gpm

Required Fire Flow

Fire protection will be provided by Limestone County Water and Sewer (LCWSA). LCWSA minimum fire flow requirement is 500 gpm.

Required Irrigation Demand

It is not planned irrigation will be installed during the development of the subject parcel. The following calculations will assume half of the homeowners will install irrigation following the purchase of the residence.

Assuming 4gpm for typical irrigation usage for 1hr

240 gallons per day per home/unit

240gpd*160 homes=38,400 gpd

Peaking factor of 4=4 * 38,400 gpd =153,600gpd

Peak Flow = 153,600gpd/1440 mpd = 106gpd

Calculations provided by:

Nathan Tomberlin, PE

Pugh Wright McAnally

310 8th Ave

Decatur, AL 35601