



Affine Engineering and Surveying, Inc.

Date: 2/11/2024

Ms. Mayra Rodriguez

197 NW Friendship Way.

Lake City, Florida, 32055

Re: Parcel Id 28-2S-16-01772-025, a portion of lot 15 Pine Hills subdivision, Columbia County Florida.

SUBJECT:

PROPOSED MODULAR HOME AT 197 NW FRIENDSHIP WAY

To whom it may concern,

Parcel Id 10-4S-16-02847-001, 1630 County Road 252B Lake City, FL. The subject property is located in Zone X unshaded, areas outside the 0.2% annual chance flood plain according to FEMA Firm Map No. 12023C0190D, effective date November 2, 2018. The topography of the property has a downward gradient sloping from the northwest towards the southeast corner of the property where the apparent lower elevation is located.

Recommendations:

After an inspection of the site, the proposed area for the manufactured home has been cleared. Based on Lidar from Columbia County the Centerline of Friendship Way in front of the existing driveway for 185 NW Friendship Way is 146.10 feet +/- . The area where the manufactured home is proposed has a ground elevation of 141.94 feet +/- . The proposed manufactured home will be on standard installation using the factory blocking diagram and will be approximately 30 inches above adjacent grade. The Finished Floor of the manufactured home will be below the required elevation of 1 foot above the adjacent road. As stated above, the topography of the property has a downward gradient sloping from the northwest towards the southeast corner of the property where the ground elevation is 119.02 +/- . It is recommended that the pad is graded a minimum of 8 inches higher than the surrounding adjacent grade at the edge of the home and sloped away from its foundation to direct runoff away from the foundation in accordance with the latest building code.

I certify that the recommendations above will protect the structure against water damage from a baseflood event as defined in Article 8 of the Land Development Regulations.

Should you have any questions please contact me.

Respectfully,



Victor O. Marrero, PE, PLS

Florida PE 78630



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