



**GreenEarth Engineering, Inc.**

Consulting Structural Engineers

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*Let's leave for our children -  
An earth clean and green*

July 22, 2020

Mark Canada  
Property Owner

Re: Structural Observation  
5512 Shoalwood Ave  
Austin, Texas

Dear Mr. Canada,

On July 22, 2020, I performed on-site structural observation of the above referenced property. The purpose of our observation was to assess the general condition of the structural system. The followings are our findings and recommendations:

1. The foundation is pier-beam system. Some piers are concrete piers and some are just stacked stone which doesn't meet today's code. Because of the clay soil, this foundation has moved significantly. In the future, it will continue to move up and down with the seasonal moisture content in the soil.
2. A few interior walls are out of plumb. This is structurally dangerous as they may further buckle and possibly fall.
3. The roof structure is built of 2X4 @ 30" on center with no real ridge. This is structurally inadequate and may fail soon.

Overall, this structure is in extremely poor condition. It's in danger of structural failure and it's NOT practical to try to keep this house or any portion of it.

Please feel free to call me at (512) 289-8086 should you have any questions.

Sincerely,

Tim (Zhigang) Zhang, PE

