

Description of the site prep work for 307 Quaker Drive Friendswood, TX 77546

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This is a project to clear and prepare approximately 8125 square feet of a 4.56 (198,600ft²) acre wooded lot for the future construction of one single family residence. This work includes the removal of the existing trees, removal of the top organic layer, and elevating the site with select structural fill.

Fill requirements are estimated at 500 to 600 cubic yards.

This project is preparation for a 2682 square foot single family residence, covered porches, and a two car garage which will be built on the prepared site. The foundation design has been completed, and is a steel reinforced monolithic slab with beams on drilled piers, and the site work needs to meet the foundation design requirements. A foundation plot is provided reference in a separate document. The following is a description of the proposed work.

- The clearing area is approximately 110 feet back from Quaker drive and is approximately 65 feet wide extending back another 125 feet. An area plot with details is provided for reference in a separate document.
- All of the trees within this area will be removed including roots. The largest trees are greater than 18 inch in diameter. The felled trees will be hauled off along with the root ball.
- The organic soil layer, approximately four to six inches thick, will be removed and stored in a pile at a location indicated on the area plot plan.
- The freshly exposed areas will be compacted.
- All fill will be a non-expansive select structural fill; select structural fill should consist of sandy / silty clay with liquid limit less than 40 and plasticity index between 6 and 20 or an equivalent non-expansive fill.
- The select structural fill should be placed in loose lifts **not** exceeding 8 inches in thickness (loose measure), before compacting.
- A 1 to 2.5 rise over run slope will be placed from the natural grade to the elevation change. This is 4 feet wide slope to grade on the outside perimeter of the elevated area.
- The final grade elevation of the filled area is expected to be 9 to 12 inches above the front curb on Quaker Drive.
- The reference curb height is the curb located on the property line between 303 and 307 Quaker.