



February 6, 2022

**RE: Addendum to June 1, 2021 arborist report for 8480 85<sup>th</sup> Street PN 0736100155**

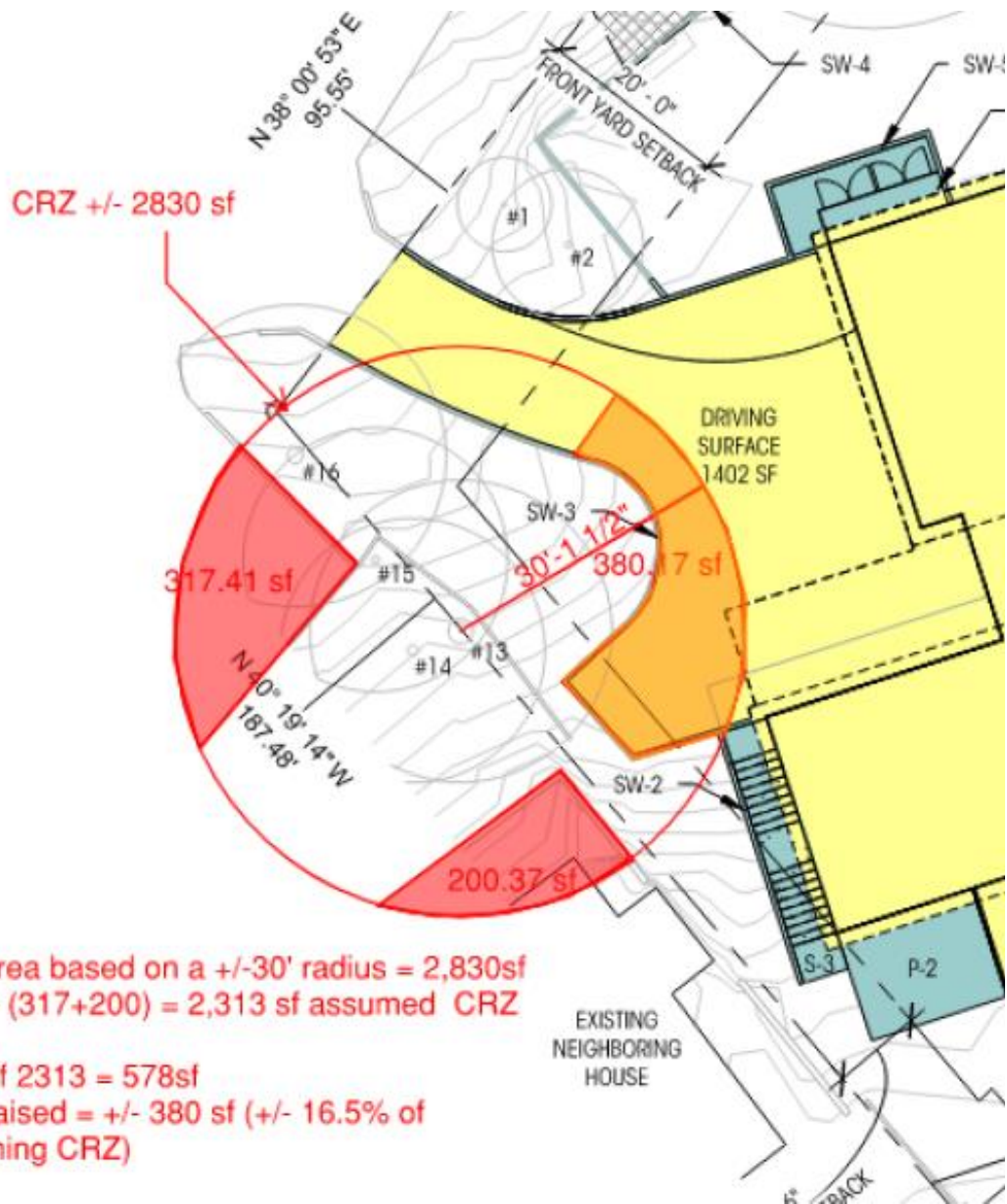
To Whom It May Concern:

The infographic shown on the following page is an excerpt from a plan sheet that was built to elucidate the case of the #13 maple in the 8480 arborist report. The tree in question is shown near the center of the image. The red circle around the tree represents the maple's 2830 square foot theoretical Critical Root Zone (CRZ). Its rooting area has been limited by the neighboring carport slab and house (red cut outs) which accounts for a calculated loss of 518 square feet of space. The existing driveway has also impeded the CRZ over the life of the maple and the original report points out where the tree seems to have roots extruding beneath the asphalt. The orange region shows the expected root impact area for the proposed grade changes to the driveway. No other region of the driveway will be changed. The impact region is calculated as 380 square feet which is roughly 16% of the maple's usable rooting space. This is well within the 25% allowed root loss threshold. This maple should experience little to no long term impact.

A deep root feed prior to construction onset may help the maple deal with impact stress.

All work done in this area will be accomplished under arborist oversight.

Anthony Moran  
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Qualified Tree Risk Assessor  
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Excerpt from the Brandt Design Group illustration showing the #14 maple's rooting situation.