



# Superior NW Enterprises

August 5, 2024

**RE: Tree removal per code for remodel at 4731 90th Avenue SE. PN-0191101145.**

To Whom It May Concern:

A comprehensive tree protection plan was prepared and submitted in August of 2023 for this site along with the initial plan set. An initial addendum was provided in March of 2024 to address plan set updates. This addendum covers further comments from the City of Mercer Island planning department as to clearing up code applicability to the two removals and to the replacement tree plan.

The site plan sheets shown in Figures 1 and 2 illustrate the reasoning behind the two listed tree removals. Both #582 and #583 are covered by MICC 19.10.060(3)(b) as attempting to preserve them would “limit the constructable gross floor area to less than 85 percent of the maximum gross floor area allowed under chapter 19.02 MICC”. The #582 tree also triggers the essence of MICC 19.10.060(3)(c) as there is no reasonable way to access the site in order to proceed with the project without removing this tree.

The August 2023 report addressed the types of trees best suited to the various replanting locations at the site in some depth. The need for a watering system was mentioned in the report but the City asked for a more definitive description. The concept shown in Figure 3 allows for expansion and ease of installation. Polypipe can be laid on the surface as to avoid root disturbance of the existing trees. The spiral lines can be fit to the individual tree sizes and the numbers of drip emitters can be adjusted according to the water requirements of the species.

The entire system can be run via a smart controller at an exterior faucet. Combined with soil moisture meters placed in the various zones the newly planted trees can be assured of adequate moisture without wasting water.

Please let me know if you have any questions.

Anthony Moran  
ISA Certified Arborist  
PN-5847A

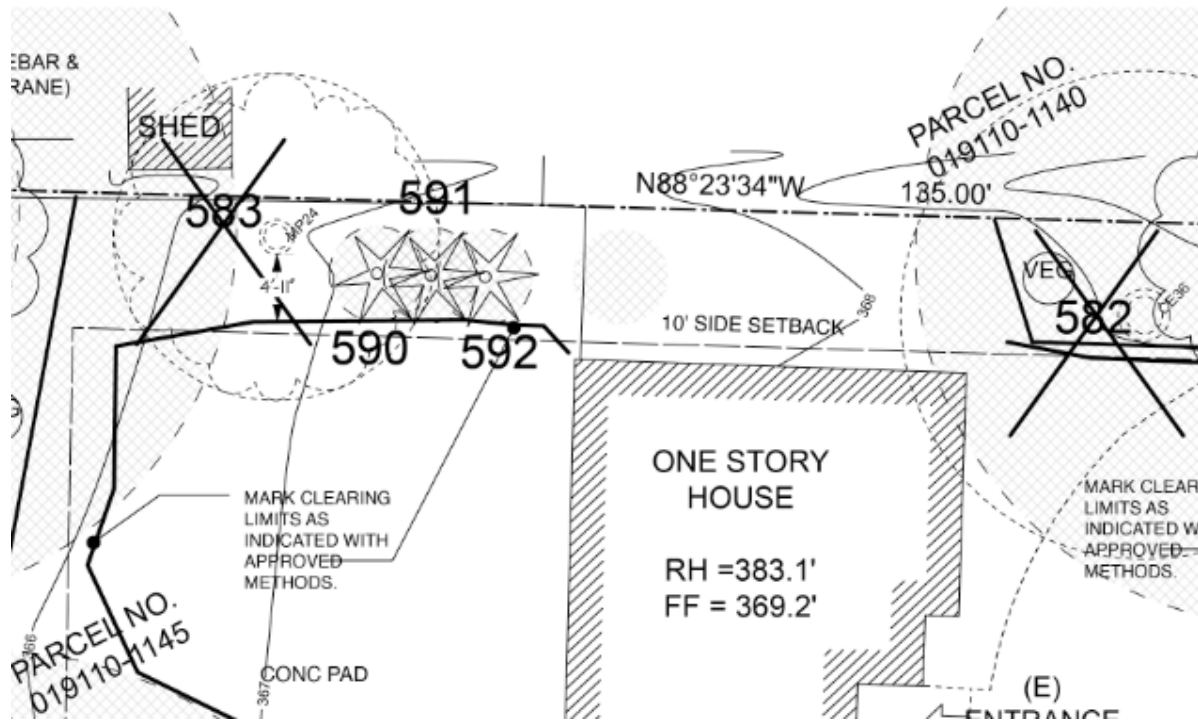


Figure 1. Excerpt from the 'Existing Site Plan' sheet showing locations of the subject trees.

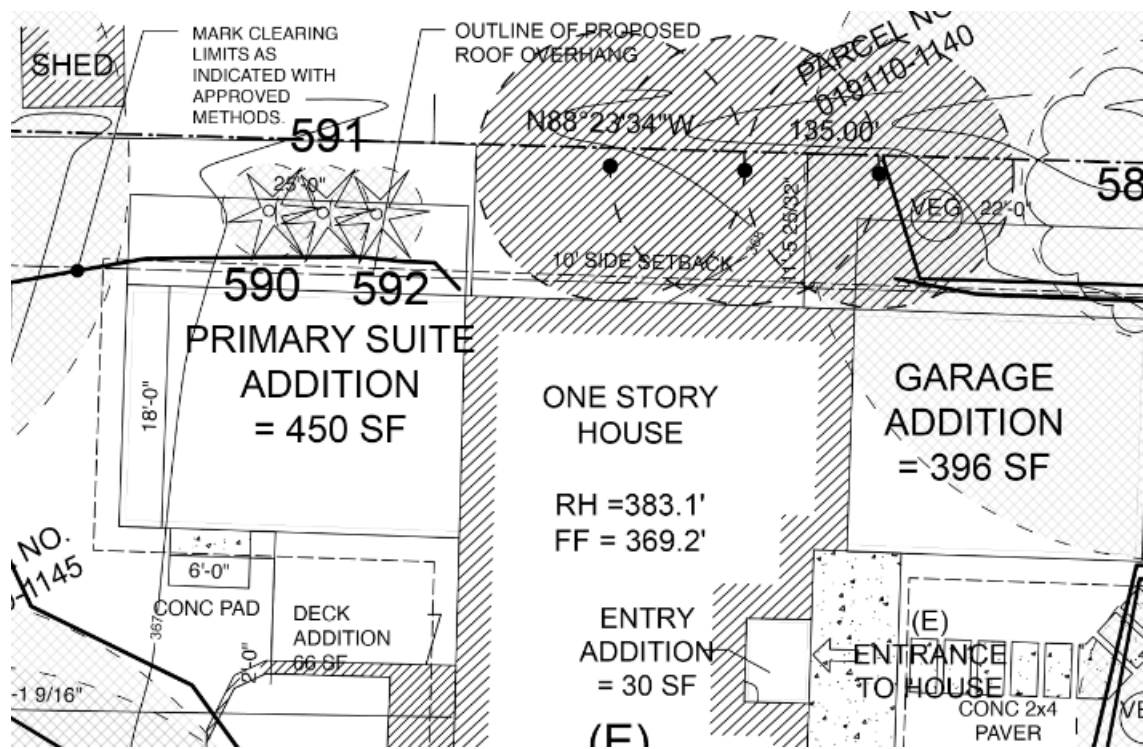


Figure 2. Excerpt from the 'Proposed Site Plan'. The original August 2023 report discussed how the project would impact the two trees in significant detail. The 590-592 trees are small and can either be protected in place or transplanted for the duration of the project.

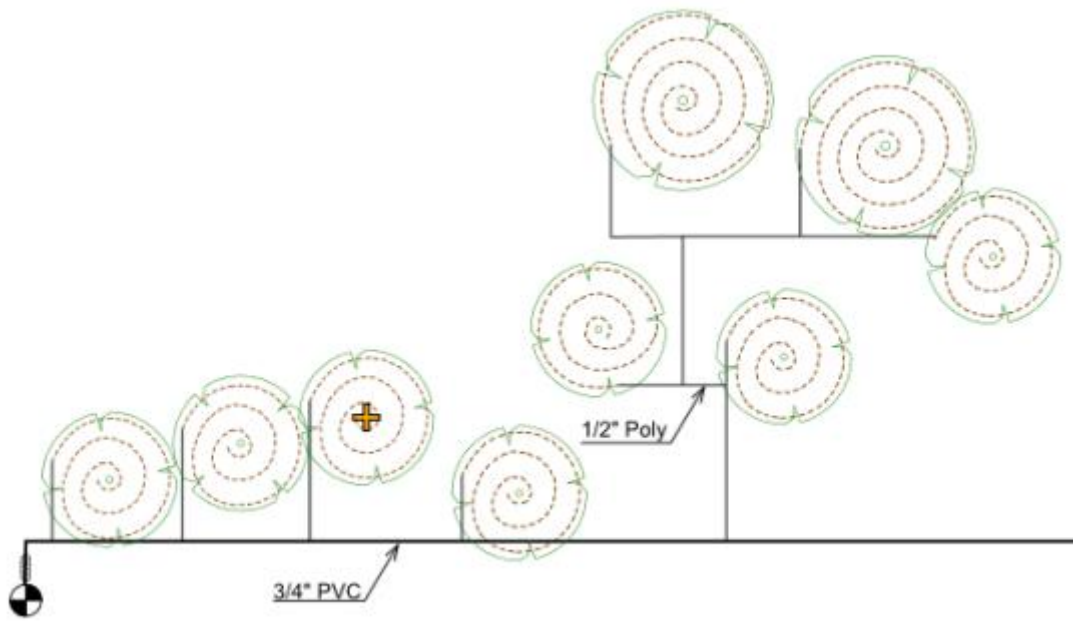


Figure 3. A generic schematic of drip irrigation installation. Once the trees have been established in three to five years the system can be dismantled and used elsewhere.