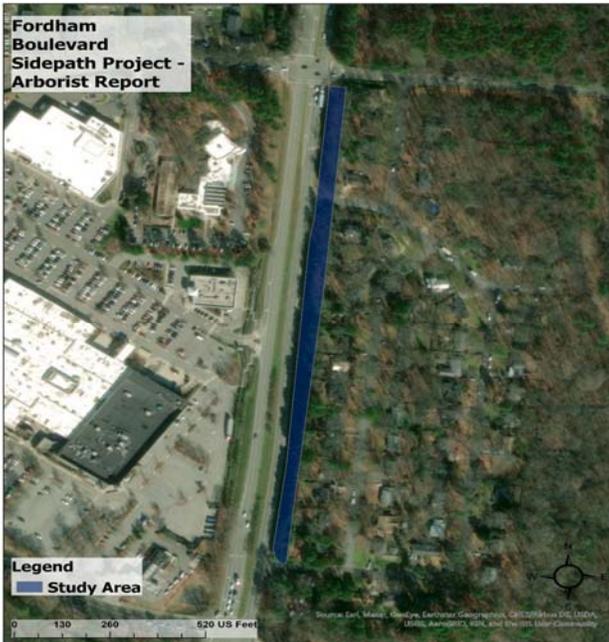




PARKS AND RECREATION
Town of Chapel Hill
200 Plant Road
Chapel Hill, NC 27514

phone (919) 968-2784 fax (919) 932-2923
www.townofchapelhill.org

Arborist Report - Fordham Boulevard Sidepath Project July 2020



Map of the Study Area

This report outlines a visual assessment of trees located along Fordham Boulevard from Ridgefield Road to Willow Drive. The assessment includes trees from the street to the property lines of the residences located along Hickory Drive and Walnut Street (see Appendix 1 for a map of the study area).



Photo 1: Leyland Cypress – Dark needles are Botryosphaeria Canker

The majority of trees adjacent to Fordham Boulevard are Leyland Cypress (*Cupressocyparis leylandii*). The Botryosphaeria (Bot) Canker has infested most of the Leyland's along the entirety of Fordham. This canker can be spread through limbs brushing against each other and by birds landing from tree to tree.

More information on Bot Canker can be found at <https://lee.ces.ncsu.edu/2014/06/leyland-cypress-tree-problems/> and https://www.pubs.ext.vt.edu/content/dam/pubs_ext_vt_edu/450/450-726/450-726.pdf.



Photo 2: Leyland Cypress – Dark needles are Botryosphaeria Canker

Non-native trees have also grown up in the planting areas and have encroached on the native trees such as; Leylands, Elms (*Ulmus Americana*), and Ash (*Fraxinus Americana*). Callery Pears (*Pyrus calleryana*) have emerged creating bald spots in the hedgerow all along Fordham which has impacted pedestrian and vehicular sight distance. These trees continue to encroach and have aided in spreading; browning, bag worms and Bot canker.



Photo 3: Callery Pears: Examples of bald spots

There are also two large stands of Bamboo. The shorter (*Pseudosasa japonica*) and taller (Yellow) varieties of bamboo. Bamboo is an invasive exotic plant and both groves are expanding quickly towards Fordham and down the length of the planter areas. The bamboo is causing the native trees, Magnolia (*Magnolia grandiflora*) and Sawtooth Oak (*Quercus acutissima*), to become thin and spindly.



Photo 4: Bamboo

Between Willow and Ridgefield, there are approximately 70 Leyland Cypress trees and over 25% of them have the Bot Canker. The Bot Canker will spread throughout the entire stand. As the trees become infected, they will begin to die. There is also an abundance of Poison Ivy (*Toxicodendron radicans*), Wisteria (*Wisteria Stachybotrys*) and Trumpet vine (*Campsis radicans*). These plants can hasten the demise of all of the plantings and spread throughout the neighborhood.

Conclusion

It is recommended that a plan be developed for replanting the hedgerow along Fordham Boulevard with a variety of trees and shrubs like Cedar (*Juniperus virginiana*), Cryptomeria (*Cryptomeria japonica*), Japanese Viburnum (*Viburnum japonicum*) and other evergreens. As these new trees gain size, they will provide shade and create a vegetative buffer for adjacent landowners.