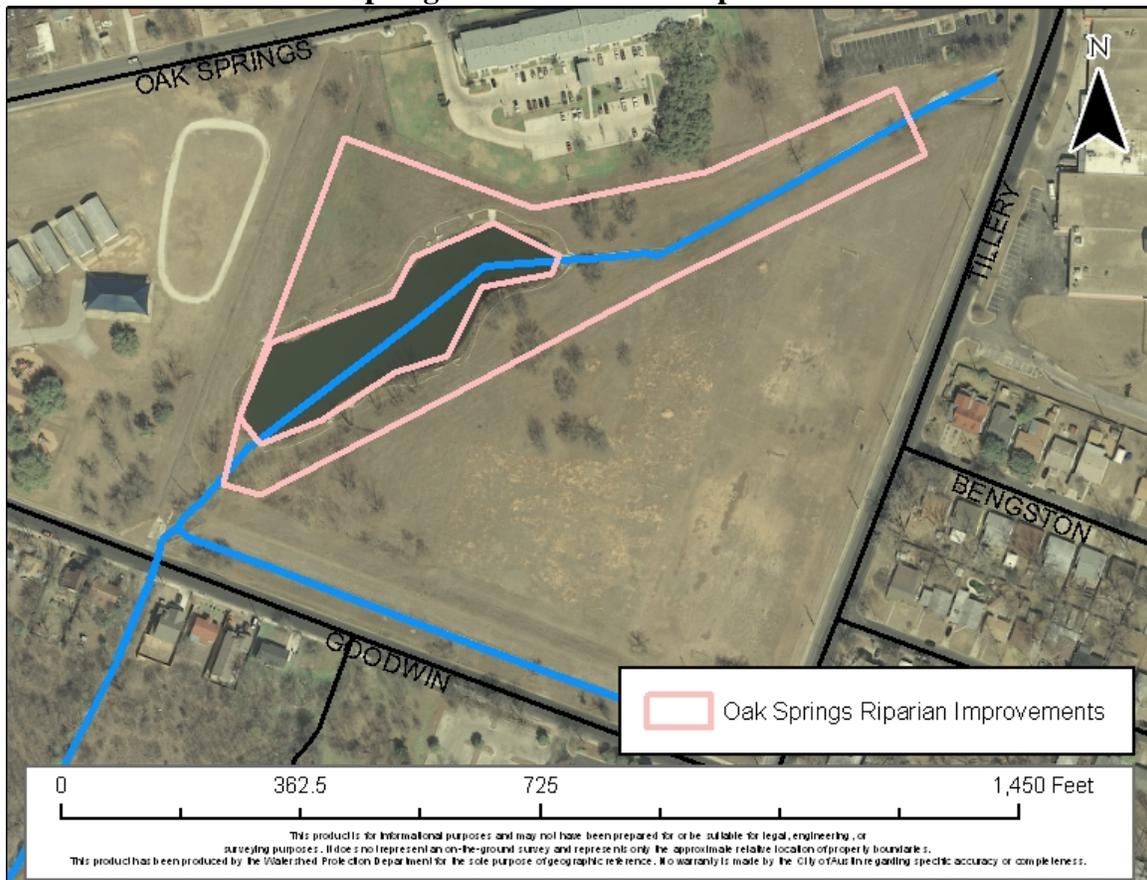


Oak Springs Detention Pond Improvements



INTRODUCTION AND OBJECTIVES

This project is aimed at increasing water quality in Boggy Creek through the removal of concrete trickle channels and the improvement of the riparian zone along a portion of its headwaters. The property is a City owned wet pond and stormwater detention area and is presently on the Vegetation Control Program. Our goal is to get the stream channel back in touch with the soil and improve the vegetation in the riparian zone as a means of improving water quality. Other benefits of this project will be reduced maintenance frequency and a reduction in the heat uptake of adjacent impervious cover. Removal of established invasive plants will also be a primary goal along with the education of landowners concerning vegetation along streams and the ensuing water quality benefits. There will need to be irrigation put in that will be connected to a fire hydrant with a temporary connection.

APPROACH AND METHODS

This process will begin with public outreach and education. We will inform the neighbors of our intention and begin a collaborative process to determine what types and densities of vegetation will work best for this area. This is accomplished by one of several methods to establish a single point of contact (SPOC) in the neighborhood through which we keep constantly updated with revisions made to the plan. Regular onsite meetings with interested neighbors is another part of the plan. Once a finalized landscape design has been created and approved by the City and the neighborhood the irrigation plan will be created. Afterwards bids for site work, irrigation, plants, and installation will be acquired and the installations will begin. Irrigation will remain in place for a minimum of one year, during which time water and upkeep costs will need to be funded. The installation bid will include maintenance twice a year for five years to guarantee healthy establishment of the riparian forest and will include pruning of transplants and replacement of lost trees as well as a means of response to citizen's ongoing concerns. We commonly use American Youth Works as our labor and maintenance crew.