

Waller Creek at Eastwood Park

Group 8

Waller Creek starts just north of the University of Texas campus and ends in Lady Bird Lake downtown. We are going to focus our scope of work in the Eastwood Park area where Waller Creek runs through. We visited the site and noticed that the creek channel was eroded as shown in the pictures below.



Currently, the city of Austin is restoring and stabilizing the banks. Our proposal will compliment the city's work by adding bio-retention terraces along the banks of the creek in order to control flooding, prevent more erosion, and improve water quality. The following figures show examples of bio-retention terraces.





We want to insure that the terraces will benefit this area of the park by reducing flooding and improving water quality. We created a base map in ARCGIS of our location from the data provided. We are currently working on a cross-section of the channel on HEC-RAS to model the current water flow and water level and obtain detailed data on our location. In addition, StormCAD may be used to model the drainage pipes that flow directly into Waller Creek. Shown below is the base map of Eastwood Park.

