



Overview: The purpose of this project was to provide a natural way to filter and clean the storm water runoff from the surrounding commercial developments. Two 10 acre wetland ponds were designed to accomplish this task. The wetland ponds were constructed with small mounds, shallow and deep water pools in order to incorporate a larger variety of aquatic and wetland plants.

Establishing the proper grade elevations of the various wetland pond structures was a critical task because certain plant species only thrive in the right environment. WQSi's field crew finish graded the site to ensure that all the wetlands contours were accurate.

The various trees, shrubs and aquatic plants for this project required that special planting guidelines be followed during the installation process. The water elevation had to be maintained at a set elevation during the installation of the aquatic plants and this elevation was maintained over the course of four weeks. This allowed the aquatic plants time to establish roots in the soil before the pond was filled to its final water elevation. The trees and shrubs were installed in their respective areas.

WQSi's personnel are well versed in wetland construction and plantings. This knowledge and experience allowed this project to run smoothly and it achieved the desired outcome.

Lessons Learned:

The wetland plants and trees could only be planted in certain water depths so WQSi had to closely coordinate the construction sequence with the other contractors. WQSi enhanced their planting techniques in wetland areas which increased efficiency and improved plant quality.

