

# Juvenile Detention Center Pond Retrofit

## Project Narrative:

The project expanded and converted the existing dry pond/swale to a retention (wet) pond. Improvements included outlet control modifications and addition of wetland benches, buffer plantings, and forebays. Co-benefits: Water Quality Improvement, Reducing flooding and circumvented major maintenance repair to a damaged pipe.

**PROJECT STATUS:** Completed  
Summer 2017

## COMMUNITY CONNECTION:

Civic League: Lake Taylor  
Ward/Super Ward: 4 / 7

## Pollutant Removal (lbs/year):

Phosphorous: 24.3

Nitrogen: 96.1

Sediment: 11,434

## Cost Effectiveness (\$/lb)

Phosphorous: \$22,144

Nitrogen: \$5,599

Sediment: \$47

**LOCATION:** 1260 Security Lane





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