

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 in Summer 2017

LOCATION: 1260 Security Lane

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



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