

## Water Reclamation Pond

### **Project Scope:**

This storm water reuse pond was constructed on an existing stream and includes an earth embankment dam and site amenities. Surface water runoff is collected in a pond, filtered, and reused in the cooling towers at Chilled Water Plant #2.

### **Highlights:**

- 5 ½ acre storm water reuse pond created by damming a blue line stream with an earthen dam
- Provides 20% (100 million gallons per year) of the make-up water for Chiller Plant #2
- Naturally cleans Duke’s storm water before leaving campus
- Showcases aquatic and semi-aquatic to native North Carolina forest plant materials
- An exterior amphitheater, overlook and bridge for education and aesthetic purposes
- .6 mile walking path and potential future recreational activities
- Worked with Biology Department on Plant Selection
- Creates a central storm water ‘plant’ to be used to meet storm water requirements as Duke designs and builds other projects.
- Re-used wood to build several amenities including: pavilion, caps for railings, bridge, pump house, etc.



<i>Gross Square Feet</i>	<i>115,340</i>
<i>Construction Start</i>	<i>January 2013</i>
<i>Occupancy Date</i>	<i>May 2015</i>
<i>Contractor</i>	<i>LeChase</i>
<i>Landscape Architect</i>	<i>Nelson Byrd Woltz Landscape Architects, LLC</i>

### **Site/Location:**

Adjacent to Chilled Water Plant #2, on the parcel of land between Circuit Drive, Towerview, and Erwin Road.

[Water Reclamation Pond Opens at Duke University \(with video\)](#)  
[New Pond Brings Big Benefits to Duke University](#)

