



Stormwater Detention

One of the largest detention systems Kistner has manufactured to date is a 500,000 gal. Detention system for the Buffalo International Airport. This particular system was constructed out of box culverts that were gasketed and sealed on site.



Tunnel style systems are also available for detention and infiltration applications. The picture to the left shows a tunnel style detention system at a Goya plant in Angola, NY.

The retain-it system is a vault style system that maximizes volume, minimizes footprint, and makes for a speedy install. Please consider this modular system to meet the stormwater requirements on your next project.





The Delaware North Building

Located on the congested corner of Chippewa & Delaware in downtown Buffalo.

During the buildings construction Kistner Concrete coordinated the installation of a large Stormwater Detention system.

The Detention System was constructed under the 1st floor of the building, and required special care to move each 10' x 4' Box culvert through the buildings narrow openings.



Low headroom made for a tricky installation of the large Precast Sections. A clever handling process was developed to accommodate the site conditions for a successful install.

For more information on Stormwater Detention and other engineered precast concrete products please visit us at kistner.com

The Jacobs School of Medicine and Biomedical Sciences at the University of Buffalo

The 628,000 square foot engineering marvel required some impressive design work that extended underground to the large stormwater detention system.

Kistner Concrete proposed the proprietary “Kon-Structure”, a post-tensioned, 50,000 gal. stormwater detention system that could handle the large volume capacity needed and be installed quickly in such a tight space.



The Stormwater system needed to be placed between a lagging wall holding up the street and the buildings foundation wall. This left less than two feet of clearance on either side.

In addition to the difficulties brought on by limited space, the project also required high tolerances, a tight schedule and vigilant quality control.



The Kistner Concrete team manufactured 19 vertical culvert tank sections. Ten sections measuring 5' wide by 7' tall and nine sections measuring 5' wide by 9' tall. Meeting all H-20 structural loading specifications and stormwater retention regulations.

The project went extremely well and surpassed installation expectations.

Both the general contractor LP Ciminelli and Subcontractor Pinto Construction were very pleased with the install.

