

WATER CONTROL STRUCTURE

The Nyloplast® Water Control Structure is an innovative stormwater management basin that provides an effective way to manage water levels in a variety of applications.

Water level management is an important part of any drainage plan. The Nyloplast Water Control Structure combines the superior Nyloplast basin technology with the ability to control level and discharge dynamics and modify them based on outside boundary conditions and current conditions.

This is an economically effective way to improve water quality of our valuable receiving streams, rivers and lakes.

ENGINEERED FOR OPTIMAL PERFORMANCE

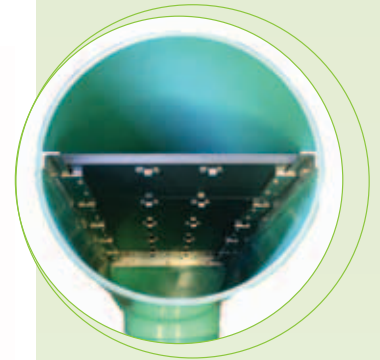
Proactive water management is important for many reasons. In agricultural applications, it is critical to keep nutrients in the field before they become pollution in a stream. This Water Control Structure allows overflow for heavy rainfall events, but also restricts water movement during normal conditions to maximize residence time for valuable nutrients so they can stay in the crop zone.

In addition to agricultural uses, the structures can be used in a variety of other applications, including general water level management, wetland management, riparian zone control, residential flow control and more.

FEATURES:

- Fabricated with a Nyloplast drainage structure
- Ductile iron solid casting
- Locking casting available
- Water levels can be controlled in 6" increments
- Numerous stub options for different pipe types
- Watertight push-on pipe connection
- No corrosion or degradation over time
- Easily adjustable, corrosion-resistant flashboards

ADS Service: ADS representatives are committed to providing you with the answers to all your questions, including specifications, and installation and more.



BENEFITS:

- Controls water level of drainage basin
- Allows timely drainage to maximize crop development or wetland control
- Improves water quality
- Ideal for wetland conservation applications
- Aesthetically pleasing
- Allows a controlled release of outlet flow
- Drainage control reduces the annual transport of total nitrogen
- Benefits waterfowl breeding habitat by increasing the water depths to create a better cover of vegetation
- Reduces nutrient exports and total suspended solids (TSS) in watershed



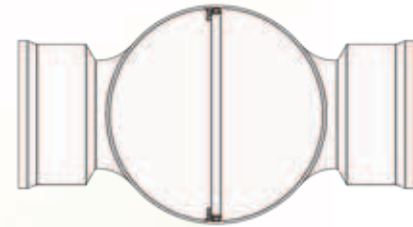
WATER CONTROL STRUCTURE SPECIFICATIONS

SCOPE

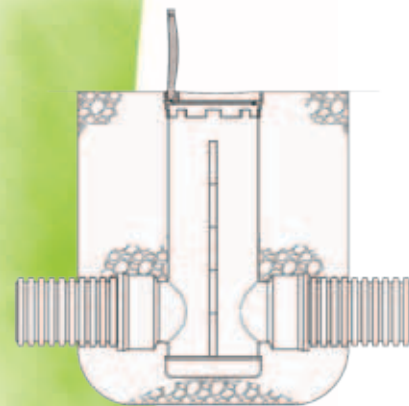
This specification describes the Water Control Structure for use in drainage applications. Structure is intended for gravity flow only and is not intended for pressure. Some leakage may occur between flashboards.

REQUIREMENTS

- All basin bodies shall be constructed from PVC.
- Connection to corrugated pipes shall be made with flexible rubber gasket meeting requirements of ASTM F477.
- Casting shall be ductile iron.
- Flashboards shall be constructed of a corrosion-resistant material.
- Installation shall be in accordance with Nyloplast installation procedures and those issued by local regulations or any other applicable authority.



Top View



Side View

Product Description	Available Inlet/Outlet
12" Basin	4" - 8"
15" Basin	4" - 10"
18" Basin	4" - 12"
24" Basin	4" - 15"
6" Flashboards	
12" Flashboards	
Lifting Hooks	

