

# Drain Basin Installation Guide

Nyloplast drain basins are custom built for each application. Our PVC products are corrosion-resistant compared to concrete or brick and mortar basins. With a faster installation, lower installed cost, and great field and project support teams, Nyloplast is the clear choice for your drainage needs.

## Nyloplast Advantages



### Light Weight

Basins are lighter weight than traditional precast and are safer to handle and install. They also require a much smaller footprint to store the materials on construction sites.



### Small Footprint

Excavation around the structure is the same as the pipe trench width because Nyloplast Basins will allow for size on size pipe to structure connections unlike precast.



### Field flexibility

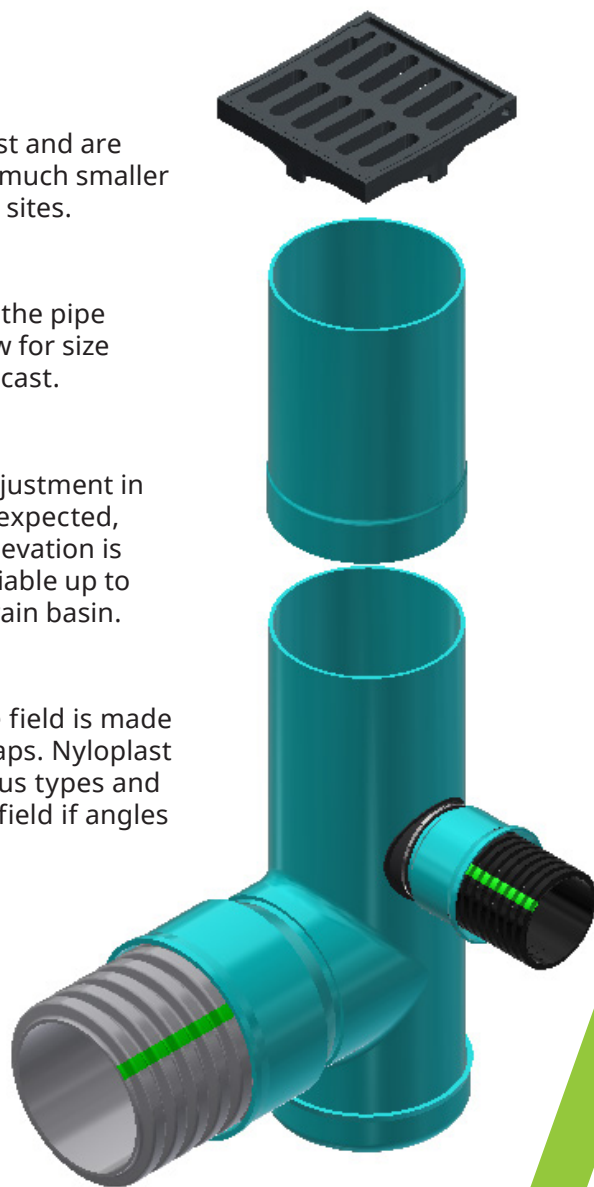
Nyloplast drain basins are designed for easy adjustment in the field. In the event the elevation is less than expected, the drain basin can be cut down to size. If the elevation is greater than anticipated, riser sections are available up to 6' (1.8 m) in 1' (0.3 m) increments to extend a drain basin.



### Customization

Connecting pipes to Nyloplast structures in the field is made easy with "Add-A-Branch™" and Inserta Tee® taps. Nyloplast will provide water tight connections to numerous types and diameters (4"-24" (100-600 mm)) of pipe in the field if angles or elevation changes occur.

Installation of Nyloplast requires no additional grout work or curing time and install 3-4 times faster than traditional brick and mortar or precast structures.



# Step-by-Step Process



**STEP 1:** Excavate Drain Basin location to depth. Provide a stone base. (Width of excavation can be the same width as pipe trench)



**STEP 2:** Set Drain Basin in place and level.



**STEP 3:** Install provided F-477 gasket for HDPE/PP corrugated pipe into last corrugation of the pipe. Lube the gasketed pipe and the inside of the drain basin bell.



**STEP 4:** Backfill the back side of structures and push the pipe home to the seat position. Re-check Drain Basin depth, level and position.



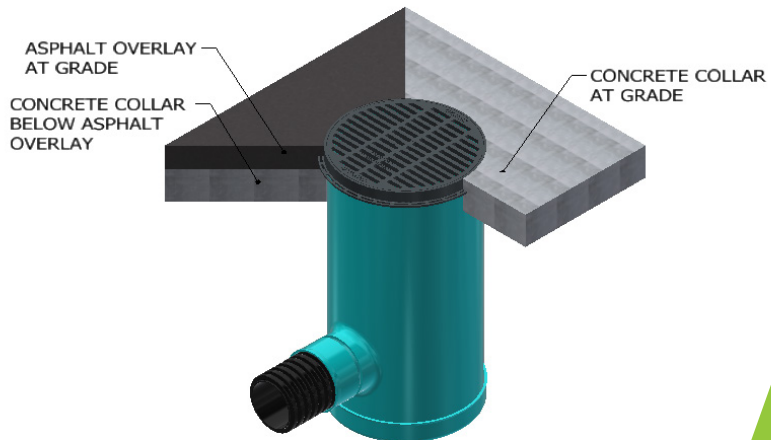
**STEP 5:** Backfill uniformly around structures with class I, II, or III material and compact in lifts according to ASTM D2321.



**STEP 6:** The drain basin body can be cut at the time of the final grade or raised with riser. No brick, stone or concrete block will be required to set the grate to the final grade height.



**NOTE:** For H-20 or heavier load rated installations, set elevation of frame and grate. Then pour a concrete collar around and knife flowable fill under edges to support the frame.





**Bowman**  
Construction  
Supply Inc.



**Quick**  
Supply Co.



**Cascade**  
GEOSYNTHETICS

## LOCATIONS & CONTACT INFO

### ASP ENTERPRISES

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**Des Moines, IA**  
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**Portland, OR**  
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## SOLUTIONS WE SUPPLY

### GEOSYNTHETICS

Filter Fabrics

Stabilization Fabrics

Geogrids

- Road Grids
- Wall Grids
- Slope Stabilization

Specialty Fabrics

Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

### SEDIMENT CONTROL

Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

Ditch Checks

- Triangle Silt Dike
- GeoRidge

Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

Sediment Basin Skimmers

Dewatering Bags

Trackout Control

- FODS
- Rumble Grates

Turbidity Curtains

### EROSION CONTROL

Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

High-Performance Hydraulically

Applied Products

- BFM
- FGM
- Additives & Tackifiers

Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

### STORMWATER MANAGEMENT

Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

Inlet Structures

- PVC
- Drain Basins, In-Line Drains
- Landscape

Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

### SPECIALTY

Natural & Synthetic Coir Fiber Logs

Vegetated Reinforced Soil Slopes

Soil Anchors

Root Barrier System

AquaBlok

Muscle Wall

We are full line distributors of construction materials for all project types. Contact us for assistance with a project. From specification and development to installation and completion, we're here to help with all of your site solution needs.

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