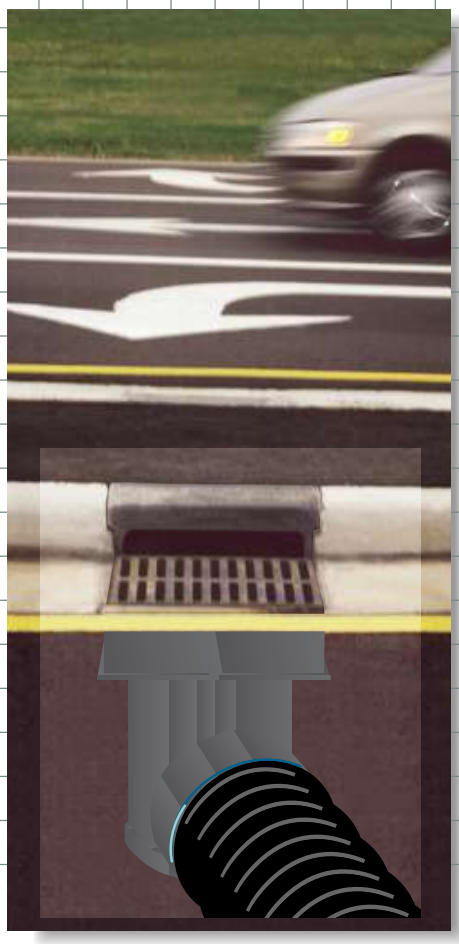
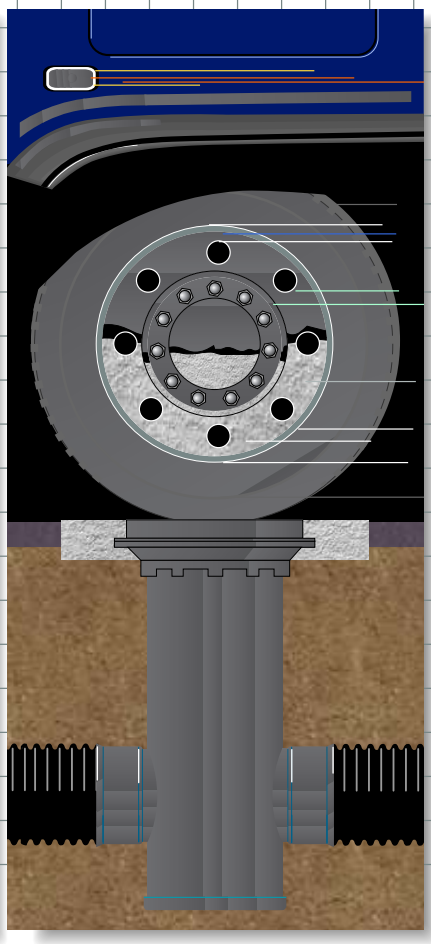
Tomorrow's Drainage System Today





Nyloplast® Tomorrow's Storm Drainage Structures Today.

ADS® ADVANCED DRAINAGE SYSTEMS, INC.

Nyloplast Storm Drainage Structures

The Preferred Solution for Storm Drainage Applications.

About Nyloplast

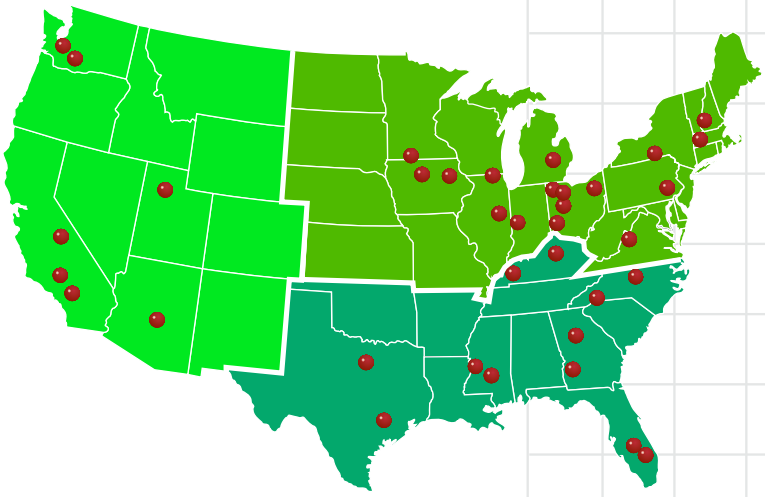
Nyloplast specializes in the development, manufacture and sale of PVC plastic structures for underground piping systems based on our own unique production technologies. We serve the commercial, industrial, landscaping, government, general sport/recreation, golf course and other markets with a full line of custom fabricated heavy-duty road & highway structures, curb inlet structures, drain basins, inline drains, and drop-in grates.

At Nyloplast, we have seen the enormous cost of rebuilding yesterday's infrastructure, as metals and concrete complete their often limited service life. Today, the *engineered plastic system* is a reality, providing better hydraulic performance, extended service life, and cost efficiencies in installation and maintenance costs. Tomorrow, you will continue to see new products and applications from Nyloplast, the leader in drainage systems.

Storm Water Treatment Products
We also have a full line of inserts and inlet protection devices designed to improve water quality as part of the National Pollution Discharge Elimination System (NPDES) and EPA phase II standards.

We invite your call to help solve problems or answer questions.

ADS® Sales & Service Locations



Manufacturing Facility Locations

Midwest/Northeast Zone Office London, OH • 1-800-733-9554

Southern Zone Office Franklin, TN • 1-800-733-9987

Western Zone Office Vancouver, WA • 1-800-733-8523

Easy Handling

Ductile Iron Grates

Offset Structure Design

ADD-a-BRANCH™

No Field Fabrication

Field Adjustments

Hinged Grates

Riser Joint Secton

NPDES Related Products

Benefits

Heavy Duty Construction

- Ductile Iron Grates
- PVC Bodies
- H-20 Rating
- No Corrosion or Degradation

Easy, Economical Installation

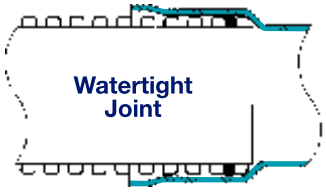
- No Field Fabrication
- Easy Handling
- Rightsizing the Structure
- Offset Structure Design
- Easy Field Adjustment Using ADD-a-BRANCH

Watertight System

- Gasketed Push-On Joints
- Ductile Iron Grates

Features

- Locking Grates
- Hinged Grates
- Outlets Fit Most of the Underground Plastic Piping Systems Available
- Ductile Iron Grates for Every Traffic Situation, Weight Load and Site Requirement
- Locking Flange Design
- NPDES Related Products
- Watertight Joint

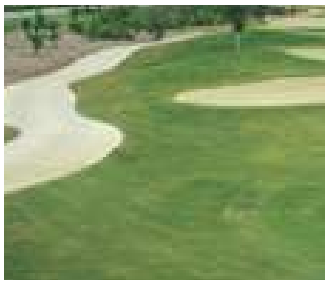


Applications

- Residential
- Parks & Recreational
- Golf Courses
- Schools
- Commercial
- Government
- Road & Highway


Residential

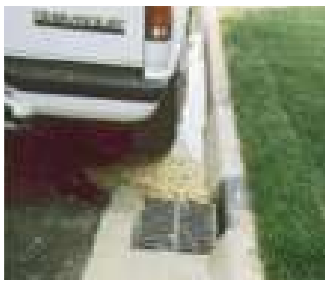

Parks & Recreational




Golf Courses

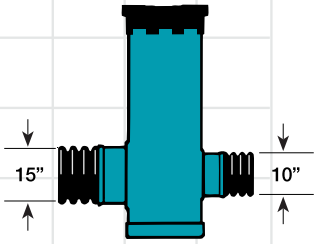

Schools


Commercial & Government

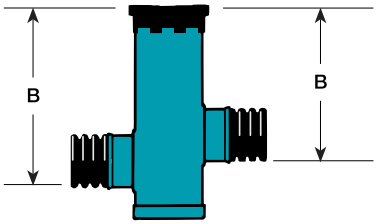



Road & Highway

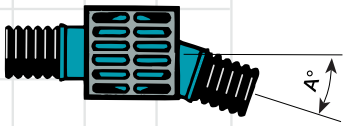
When are Drain Basins Used?



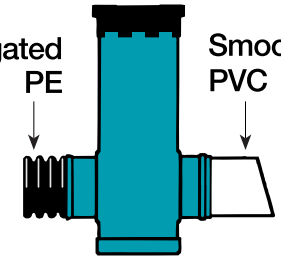
Change Diameter



Change Elevation



Change Direction



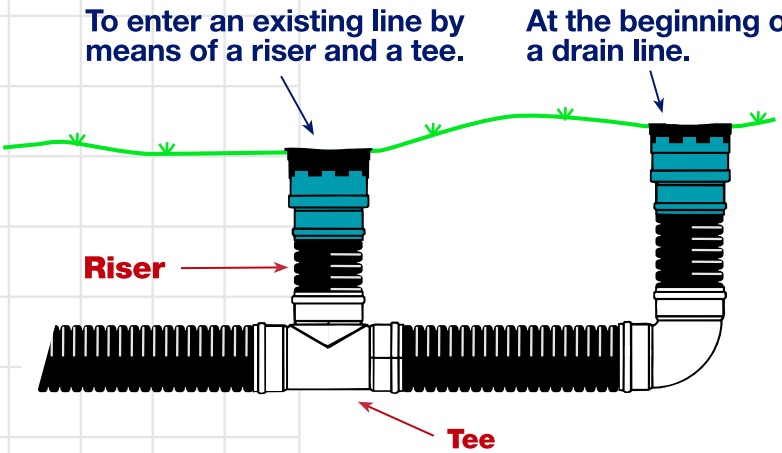
Change Pipe

Drain Basins

Nyloplast Drain Basins are used as a collection point where two or more drain lines converge. Nyloplast basins can provide a transition between different sizes and types of pipe, and also change the elevation or direction of the pipe.

When are Inline Drains Used?

Inline Drains allow you to match inlet capacity to pipe capacity, reducing cost of riser pipe.



Inline Drains

Nyloplast Inline Drains are designed to enter an existing line with a riser and tee, or for use at the beginning of a drain line. Nyloplast Structures represent the latest in storm water piping technology. Their innovative combination of performance proven ductile iron grates with a rugged, heavy-duty PVC structure makes them unique in the surface drainage field.

Grate Options

Ductile Iron Grates for Every Traffic Situation, Weight Load and Site Requirement

- H-20 Traffic Rated Grates
- H-10 Medium-Duty Grates
- Solid Covers H-20 Rated
- Bronze Grates
- Domed Grates
- Drop-in Grates
- ADA Compliant Grates
- Road & Highway Castings
- Curb Inlets

Locking option is available for most grates.

All grate options are available for drain basins and inline drains.

Grate Marker

Public education and outreach is part of the NPDES requirement. Storm drain marking is an established method of involving the public and increasing community awareness about nonpoint source pollution.

Many Nyloplast castings come with a recessed area on the grate designed to accomodate these grate markers.

Nyloplast keeps inventory of only the featured marker shown at left, however, other markers may be purchased in 100 piece lots as custom orders. Call for details.

Ductile Iron Grates Conform to the following ASTM standard.

ASTM A536 grade 70-50-05 for ductile iron.

8”, 10”, Dome Light-Duty

8” & 10” Standard Light-Duty
(also available in bronze)

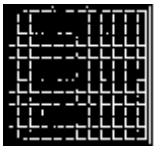
8” & 10” Solid Light-Duty

12” & 15” Dome Light-Duty

12” & 15” Standard H-20
Hinged Design

12” & 15” Pedestrian H-10
Hinged Design

12” & 15” Pedestrian Light-Duty Bronze



12” & 15” Solid H-20
Hinged Design

18”, 24” & 30” Dome Light-Duty

18” Standard H-20

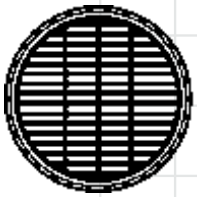
18” & 24” Solid H-20

18” Pedestrian H-10

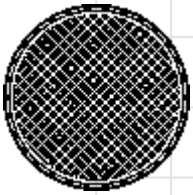
24” Standard H-20

24” Pedestrian H-10

30” Pedestrian H-10



30” Standard H-20



30” Solid H-20

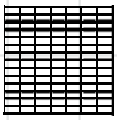
Drop-In Grates

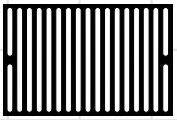
Our light-duty Drop-In Grates, available in sizes 8” through 24”, provide easy installation by eliminating the need for a frame. They also adapt to a variety of commonly used pipes.

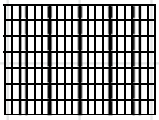
Road & Highway Structures

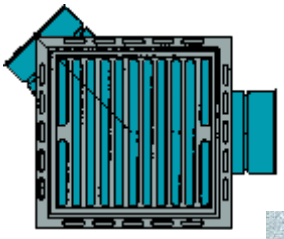
Grate Options

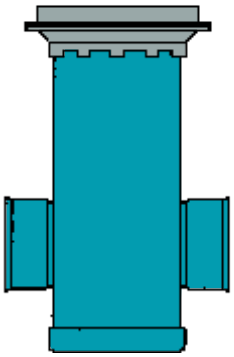

Road & Hwy.
2'x 2'
Square Grate

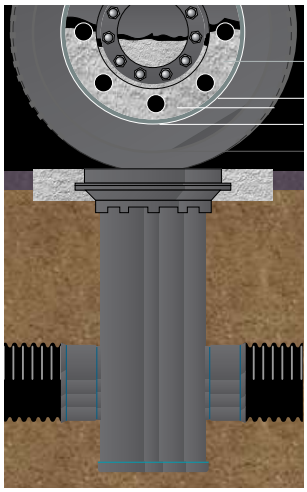

Road & Hwy.
2'x 2'
Steel Bar Grate
and Frame


Road & Hwy.
2'x 3'
Rectangular
Grate


Road & Hwy.
2'x 3'
Steel Bar Grate
and Frame


TOP VIEW


SIDE VIEW



Nyloplast Road & Highway Structures offer all of the Nyloplast product benefits such as heavy-duty construction, easy, economical installation and a watertight system. Plus, our H-20 rated ductile iron grates provide maximum strength for traffic applications.

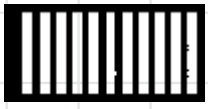
Curb Inlet Structures

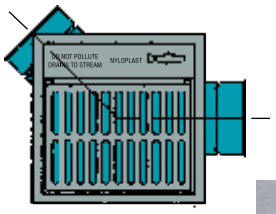
Grate Options

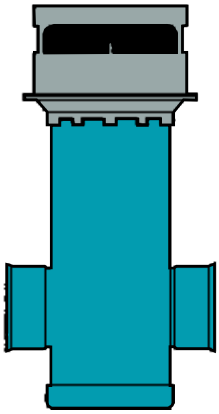

Curb Inlet
2'x 2'
Standard
Grate

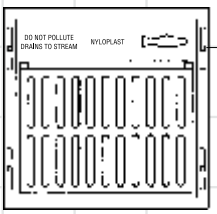

Curb Inlet
2'x 2'
Diagonal Flow
Grate

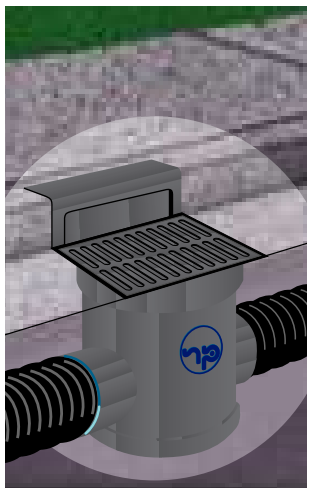

Curb Inlet
2'x 3'
Diagonal Flow
Grate


Curb Inlet
2'x 3'
High Flow
Vane Grate


TOP VIEW


SIDE VIEW





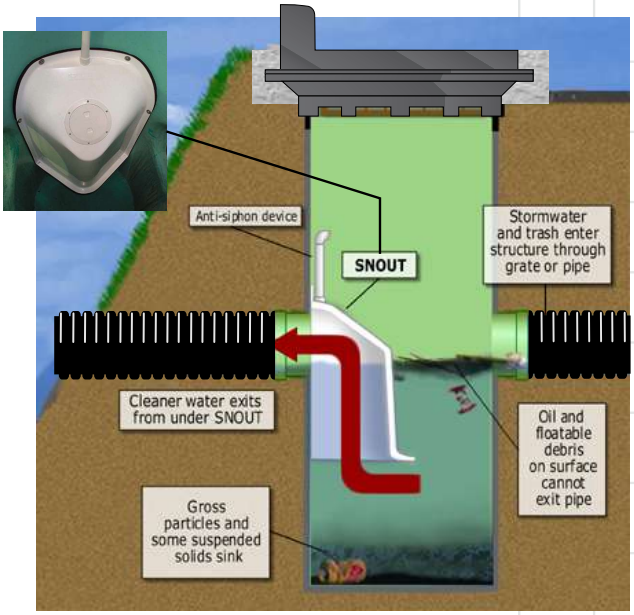
Nyloplast Curb Inlet Structures include all the advantages of our drain basins and fit drainage pipe up to 30".

Snout® Structure

The Snout Structure is a Nyloplast catch basin with a plastic composite hood device attached to the inside wall of the catch basin structure designed to cover the outlet pipe in such a manner to prevent the exit of floating debris and oil.

How the Snout Structure Works:

- Contaminated storm water is captured in the Nyloplast catch basin structure.
- Majority of floatable trash and debris, and some free oils and grease, separate from water and float to top.
- Portion of the suspended solids settle to the bottom.
- Cleaner water from beneath surface flows through outlet pipe.



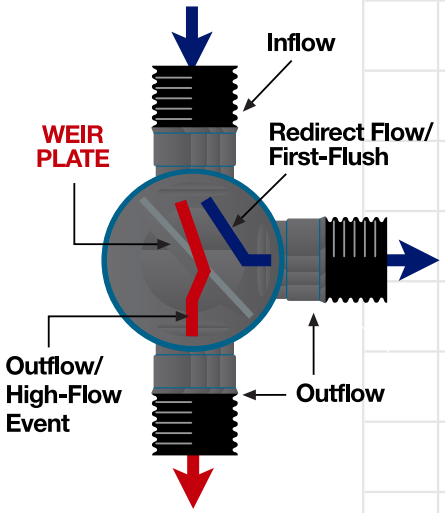
Snout Structure Benefits:

- Effective low cost simple solution for storm water treatment.
- Captures up to 95% of floatables, while providing significant capture of free oils and suspended solids.
- Easy to clean.
- Very low head loss.
- Highly corrosion resistant for long service life.
- Prevents siphoning of trapped contaminants.
- Converts existing structures into oil and debris trap.

Weir Structure

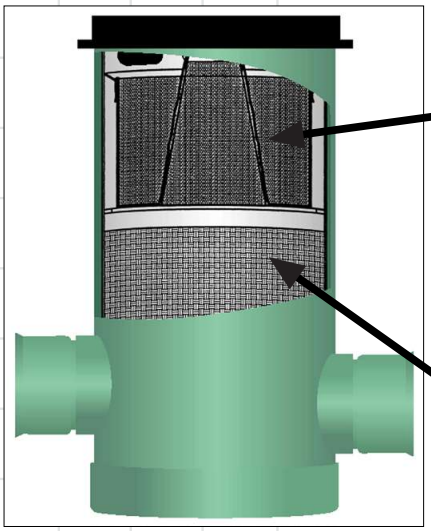
How the Weir Structure Works:

- Storm water flows into the Nyloplast catch basin structure.
- The water flow is diverted to a desired outlet from the catch basin, typically to a water quality device, in order to effectively capture pollutants during the “first flush” of a storm event.
- The Weir Structure may also serve to restrict or regulate the flow of water exiting the drainage system. The restriction is determined by height of the weir and/or the size of the orifice hole in the weir plate.



Weir Structure Benefits:

- Simple and effective method to direct the inlet flow into a storm water management system or water quality device.
- Simple and effective method to regulate outlet flow from a storm water management system.
- Enhances ability of a water quality device to capture pollutants from storm event.
- Allows for flexibility to re-direct water flow during a high-flow event.
- Proven technology used for many years in the irrigation market.
- Nyloplast can customize Weir Structures (at the direction of the design engineer) to provide a variety of weir functions for site-specific needs, including “key way slot” and “v-notch” weir designs, and high flow or low flow orifice hole designs to further regulate the flow of storm water.



- Sediment/debris catch basket
- Geotextile filter bag (primary filter)
- Storm-PURE body

- MYCELX filter

Pollutant Removal Performance

Analyzed Components	Unit	Reporting Limit	Influent	Effluent	Removal
Total Suspended Solids (TSS)	mg/L	5	36	11	69.44%
Total Petroleum Hydrocarbons (TPH)	mg/L	5	96.9	BRL	99.90%
*Chemical Oxygen Demand (COD)	mg/L	10	156	BRL	94.23%
*Nitrogen	mg/L	0.2	1.49	BRL	99.33%
*Total Phosphorus	mg/L	0.25	19.7	12.8	35.03%
*Iron	ug/L	100	1490	362	75.70%
*Copper	ug/L	5	86.2	11.5	86.66%
*Lead	ug/L	1	1110	106	90.45%
*Zinc	ug/L	10	6060	286	95.28%

*Removal related to the components bonding with hydrocarbon molecules. *BRL - Below Reporting Limit*

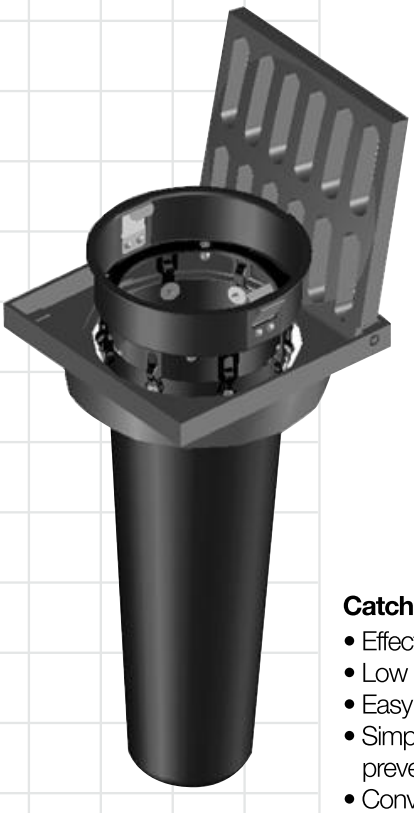
Storm-PURE™ Filtration System

The Nyloplast Storm-PURE™System with MYCELX™ technology stands alone in its ability to remove suspended solids, hydrocarbons and other pollutants from storm water runoff!

- Low cost BMP solution for hydrocarbon and debris removal
- Superior flow and bypass design ensures capture and eliminates back-up
- Quick and easy installation and maintenance requirements
- 99% hydrocarbon removal efficiency under test conditions
- Lloyds Register third party certified testing procedure and removal rates

Storm PURE™
FILTRATION SYSTEM

Filter By: MYCELX



Catch-It Strainer Basket benefits:

- Effective debris and sediment capture
- Low cost option
- Easy to install and service
- Simple disign with effective overflow design to prevent back up
- Convenient lifting hooks on larger sizes
- BMP Solution

"Catch-It" Strainer Basket

The Nyloplast "Catch-It" is a removable catch basin insert fitted with a heavy duty geosynthetic fabric basket. It is designed to fill the needs of both construction and post construction applications. The short version is ideal for Inline Drains and other drainage structures with availablity in 12", 15", 18", 24", & 30". The long version fits inside the 12", 15", 18", 24", & 30" Drain Basins, Curb Inlet Structures and Road & Highway Structures.

Add-a-Branch

Now you can quickly and easily add a new inlet/outlet to a Nyloplast Drain Basin, Curb Inlet Structure or Road and Highway Structure on site with only a drill and a jig saw. Or, if the location of the inlet/outlet is undetermined, you can order your Nyloplast structure without outlets and use an Add-a-Branch in the field.

ADD-a-BRANCH™

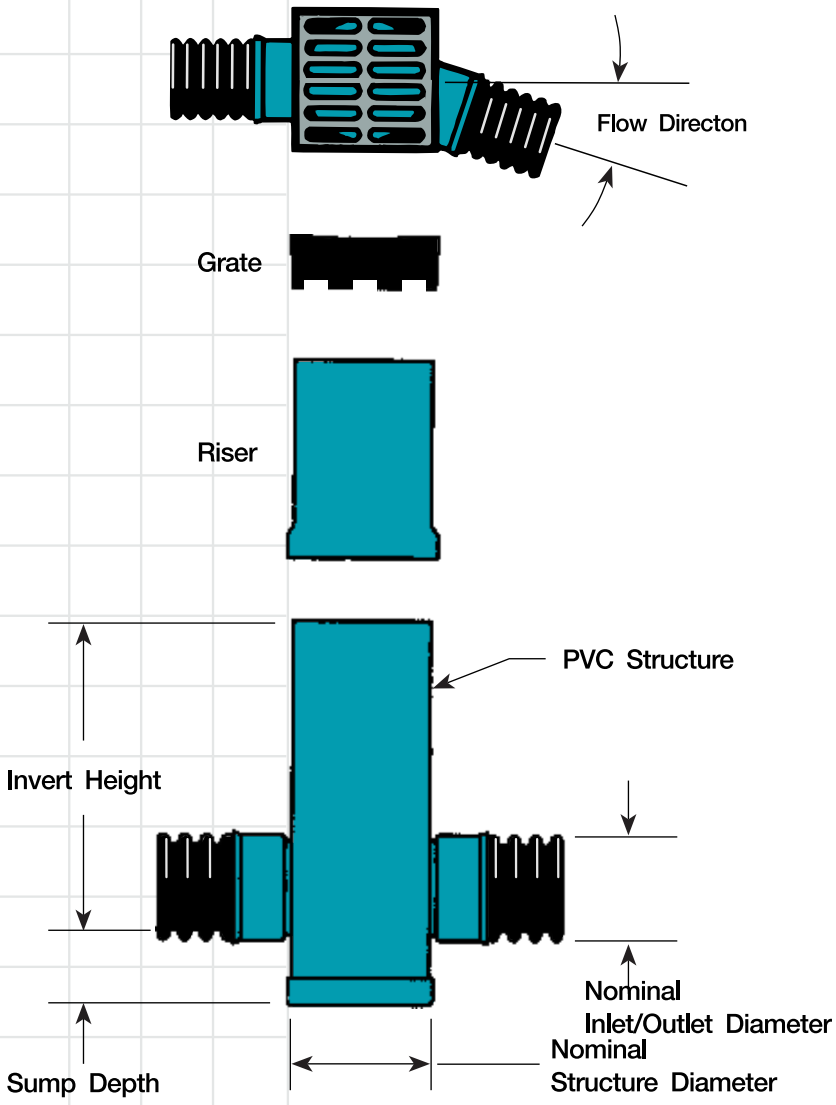
Now, adding a stub to a Nyloplast Structure in the field is simple.

The Patented Add-a-Branch Innovation

Includes Ring, Template and Bell Spigot Adapter

Part#/Prefix	Product Description	Minimum Structure Size
6004AG_	4” Add-a-Branch Field Installation Kit	8”
6006AG_	6” Add-a-Branch Field Installation Kit	10”
6008AG_	8” Add-a-Branch Field Installation Kit	12”
6010AG_	10” Add-a-Branch Field Installation Kit	15”
6012AG_	12” Add-a-Branch Field Installation Kit	18”
6015AG_	15” Add-a-Branch Field Installation Kit	24”
6004AG_30	4” Add-a-Branch Field Installation Kit Adapting to 30” Structure	30”
6006AG_30	6” Add-a-Branch Field Installation Kit Adapting to 30” Structure	30”
6008AG_30	8” Add-a-Branch Field Installation Kit Adapting to 30” Structure	30”
6010AG_30	10” Add-a-Branch Field Installation Kit Adapting to 30” Structure	30”
6012AG_30	12” Add-a-Branch Field Installation Kit Adapting to 30” Structure	30”
6015AG_30	15” Add-a-Branch Field Installation Kit Adapting to 30” Structure	30”
6018AG_30	18” Add-a-Branch Field Installation Kit Adapting to 30” Structure	30”

PVC Structures Made To Your Specificatons



Field Adjustments

Since it is very common for the actual elevation of the job site to deviate from the plans used to make a drainage take-off, Nyloplast drainage structures are designed for easy adjustment in the field. In the event the elevation is less than expected, the drainage structures can be cut to size. If the elevation is greater than anticipated, riser sections are offered up to 6' in 1' increments, which can be used to extend a drainage structure.

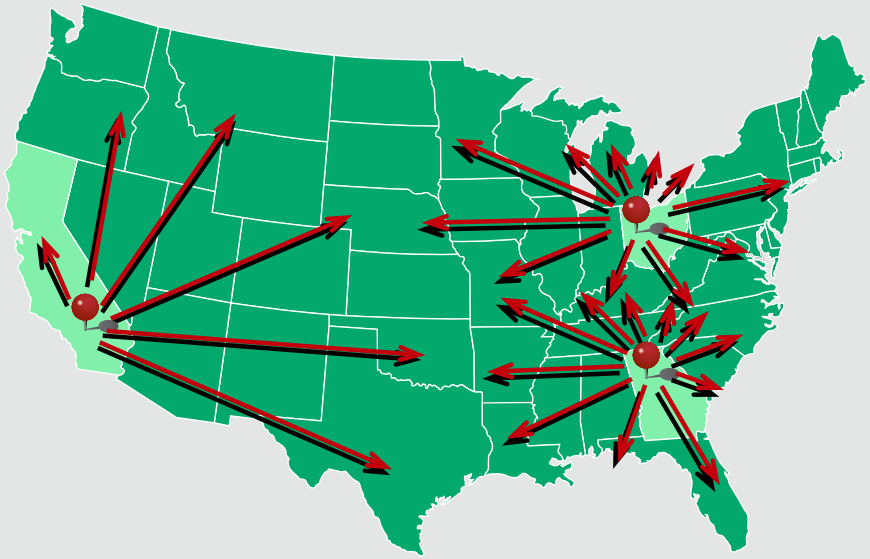
All Nyloplast drainage structures are made to your specifications, which include:

- Nominal diameter of drain basin structure
- Nominal diameter of each inlet and outlet as well as the pipe design
- Invert height
- Flow direction of each inlet and outlet
- Sump depth
  (Specify only if different from standard. Standard being 6” on all basins except 30”. On a 30” basin, the sump is 8” to 10”).
- Grate options

Strategic Location

STRATEGIC SHIPPING LOCATIONS

The strategic location of our manufacturing facilities in Georgia, California and Ohio make for fast arrival just about anywhere in North America. In fact, once you've worked with our products and experienced our service, we're confident you'll be impressed.



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http://www.ads-pipe.com

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