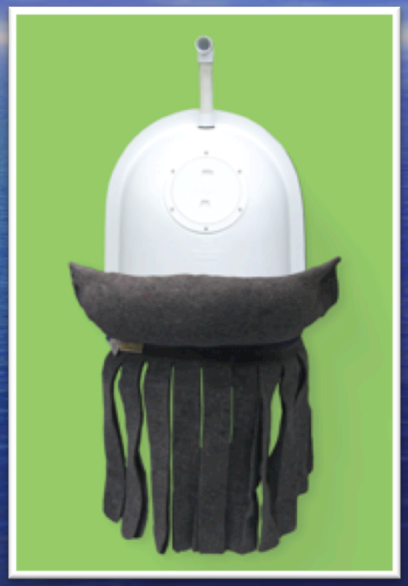
Structural Stormwater Pollution Reduction and Pre-Treatment Options



Best Management Products

The Storm Water Quality Experts

An Introduction to **BMP**

- Company founded in 1999.
- Focus on innovative products for the stormwater quality improvement and wastewater industries.
- Feature simple, cost-effective stormwater devices for the Ultra-Urban Environment.
- Our designs focus on… TRASH, FLOATABLES, GROSS POLLUTANTS, SEDIMENT and HYDROCARBONS.
- More than 75,000 SNOUTs installed in all 50 states.

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BMP's Water Quality Components

MADE IN THE U.S.A.

SNOUT® High Performance Vented Hood

Stainless TrashScreen™

Bio-Skirt® Anti-Microbial Treated Hydrocarbon Reducing Skirted Boom

Flow Restrictor

New Turbo Plate™

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The SNOUT®
Oil-Water-Debris-Separator

Innovative Features

Anti-Siphon Flow-Vent
(improves separation and flow characteristics)

Watertight Access Port
(easy maintenance)

Mounting Flange with
Oil-resistant Gasket
(higher performance oil capture)

Marine Fiberglass Construction
(gel-coated, marine grade, chemical resistant, many sizes, very strong)

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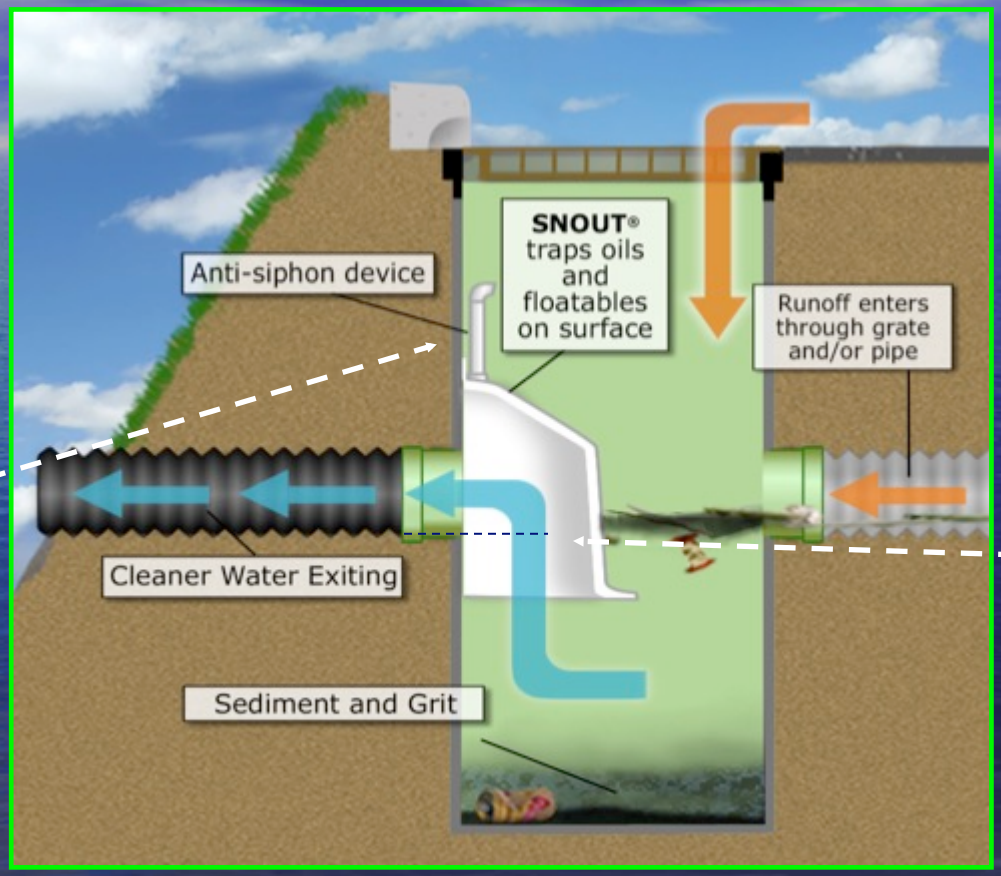
How the SNOUT Works



Anti-siphon vent prevents surface pollutants from getting sucked downstream from under the SNOUT*

* Static water level will stay at pipe invert due to vent, preventing siphoning from occurring.

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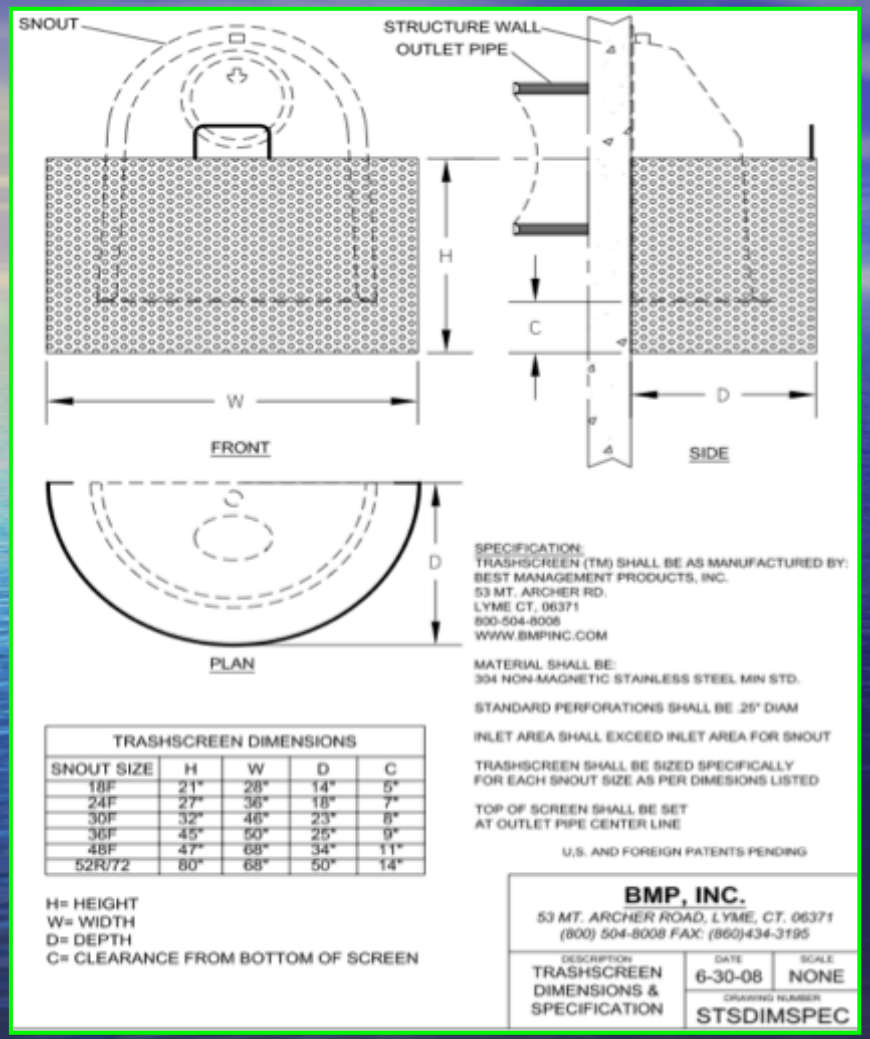
STAINLESS TRASHSCREEN



SPECIFICATION:
TRASHSCREEN (TM) SHALL BE AS MANUFACTURED BY:
BEST MANAGEMENT PRODUCTS, INC.
53 MT. ARCHER RD.
LYME CT. 06371
800-504-8008
WWW.BMPINC.COM

MATERIAL SHALL BE:
304 NON-MAGNETIC STAINLESS STEEL MIN STD.

STANDARD PERFORATIONS SHALL BE .25" DIAM

INLET AREA SHALL EXCEED INLET AREA FOR SNOUT

TRASHSCREEN SHALL BE SIZED SPECIFICALLY FOR EACH SNOUT SIZE AS PER DIMESIONS LISTED

TOP OF SCREEN SHALL BE SET AT OUTLET PIPE CENTER LINE

U.S. AND FOREIGN PATENTS PENDING

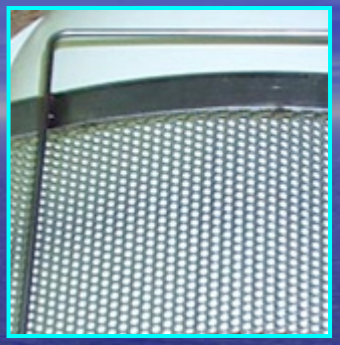
TRASHSCREEN DIMENSIONS

SNOUT SIZE	H	W	D	C
18F	21"	28"	14"	5"
24F	27"	36"	18"	7"
30F	32"	46"	23"	8"
36F	45"	50"	25"	9"
48F	47"	68"	34"	11"
52R/72	80"	68"	50"	14"

H= HEIGHT
W= WIDTH
D= DEPTH
C= CLEARANCE FROM BOTTOM OF SCREEN

BMP, INC.
53 MT. ARCHER ROAD, LYME, CT. 06371
(800) 504-8008 FAX: (860)434-3195

DESCRIPTION	DATE	SCALE
TRASHSCREEN DIMENSIONS & SPECIFICATION	6-30-08	NONE
	DRAWING NUMBER	
	STSDIMSPEC	

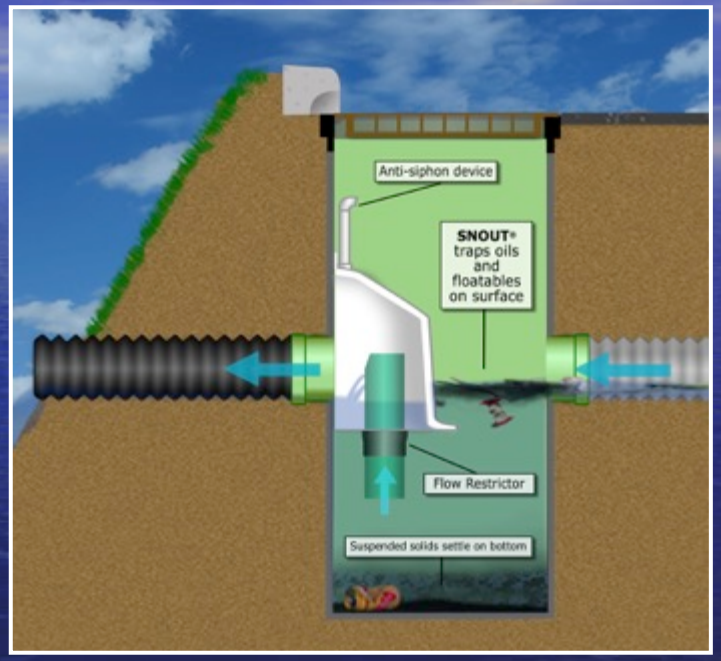


- Laser cut 304 Stainless Steel for long service life
- Comes standard with .25” perforations, but custom perf sizes are available
- Recognized in CA as a Full Trash Capture Device
- Can be used upstream in conjunction with other “end of pipe” filtration units to reduce burden on devices that have high maintenance demands
- Conversion kits are available for round structures and R series SNOUTs
- Available for 12”-52” SNOUTs
- Custom screens are available

Reduce Hydrocarbons from structures:

- Fueling Facilities (and Convenience Stores)
- Beach or Waterfront Discharges
- Marinas, Ports and Transportation Facilities
- Treated with non-leaching anti-microbial to ensure long service life

SNOUT Flow Restrictor



Controls discharge rate out of structure. Provides nearly clog-free quantity control (unlike an orifice plate or Frop-Tee). Volume, velocity, and temperature can have a major impact on water quality. Controlling these factors is necessary for optimal pollution control. Excel worksheet available to model flow rates.

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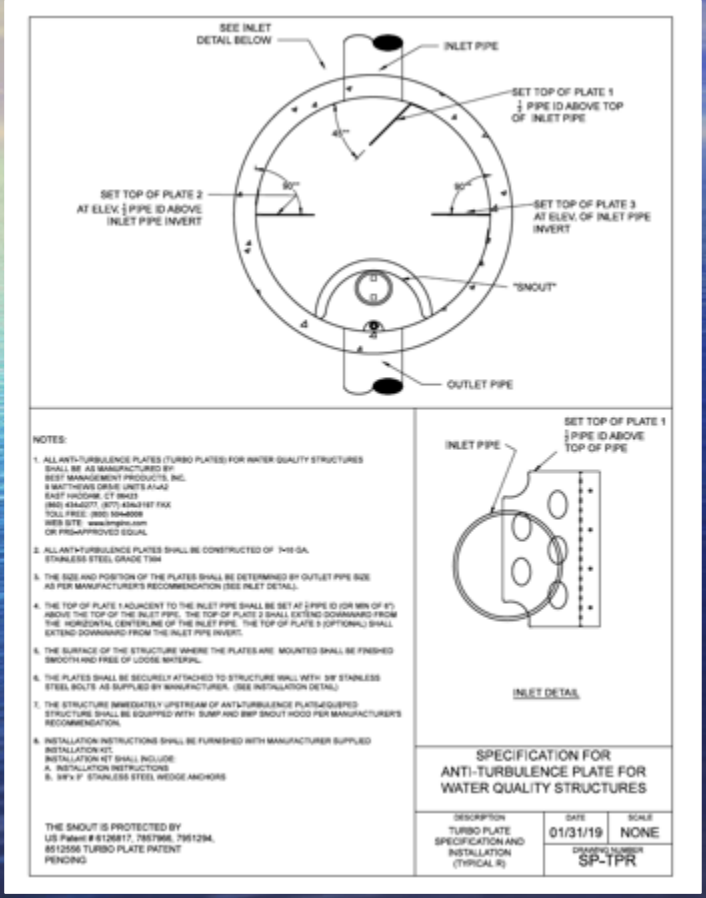
New Turbo Plate™



- Product in Beta Testing
- Reduces turbulence in structure
- Works for round or rectangular structures
- Two Turbo Plates (min.) for each structure
- Four models currently available
- Designed to maximize sediment capture and retention
- Should be available with sizing and performance model in summer of 2019

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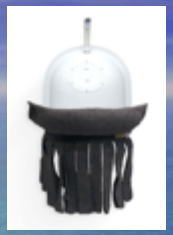
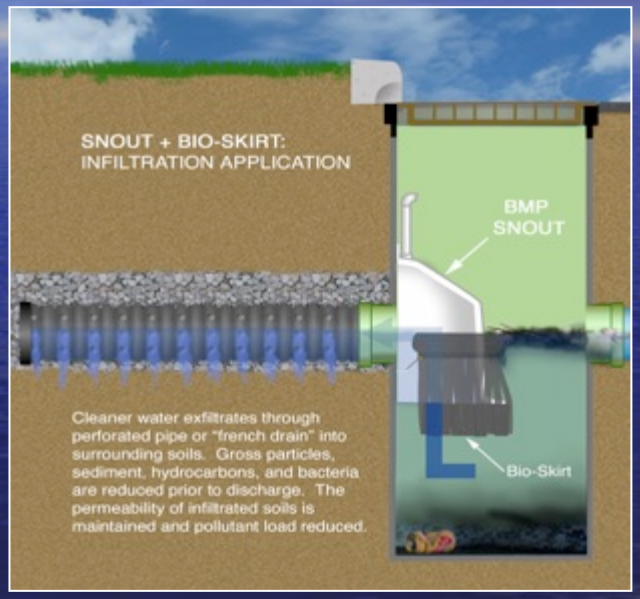
GOOD DESIGN IDEA: Specify SNOUT and Bio-Skirt as a standard practice prior to discharge into any underground storage system or a pond to reduce maintenance. CAD and PDF files furnished by BMP Available.





Service life of basins are dramatically increased. The load of sediment, trash and gross pollutants stay in structures rather than accumulating in ponds, chambers, pipes and bio-infiltration systems. Nobody wants a bio-swale to be a "trash-swale!"

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Specialty SNOUTs and Risers

Split SNOUTs in 18, 24 and 30” for retrofits.

18R10 XD

LP318F

Riser Sections

Large SNOUTs

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The SNOUT is Easy to Install

Empty Structure is Prepared

SNOUT is Trial Fitted over Pipe

Holes Drilled for Anchor Shields

SNOUT is Bolted to Wall with Gasket on SNOUT Flange

Structure is Ready for Service usually within 1 Hour

The SNOUT Trapping Floatable Oil and Debris

Include note on plans to put SNOUT in structure BEFORE top slab with frame and grate are in place!

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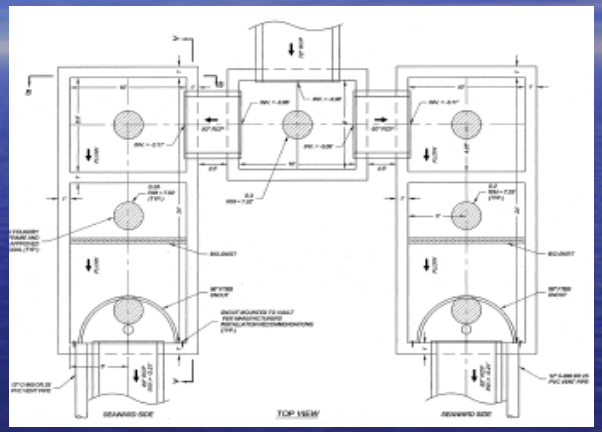
DDC Engineers has designed a 200 CFS gross-pollutant removal system for the Main Street outfall in North Myrtle Beach, which will utilize 24F, 30F, 96FTB SNOUTs, BMP Stainless Trash Screens and the BMP Bio-Skirt hydrocarbon reducing booms. The project began in October of 2013 and was finished in May 2014.



A 3"+ rain event occurred in less than 2 hours in May 2014.
System worked very well according to city and design engineers.

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Simple Proof– Two Structures, Same Site, Same Time, Different Results…

Inlet shown with no SNOUT that flows into structure with SNOUT. Water clear, no oil, little trash.

Structure with SNOUT stopping trash, oil and debris from upstream.
Site is in West Valley City, Utah.

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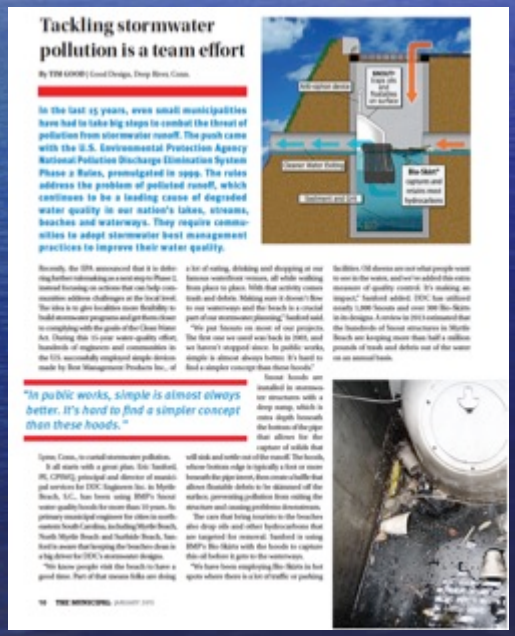
BMP's products get frequent coverage in the trade media. The cover story below was for *The Municipal Magazine* Waste and Water Management Issue



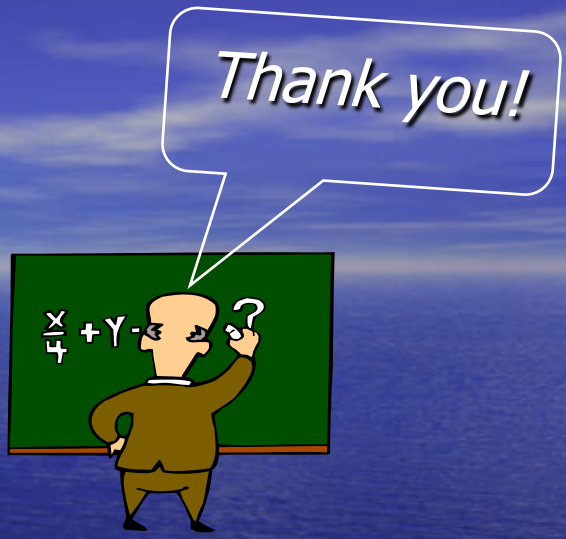
Tackling stormwater pollution is a team effort

By TIM GOOD | Good Design, Deep River, Conn.

In the last 15 years, even small municipalities have had to take big steps to combat the threat of pollution from stormwater runoff. The push came with the U.S. Environmental Protection Agency National Pollution Discharge Elimination System Phase 2 Rules, promulgated in 1999. The rules address the problem of polluted runoff, which continues to be a leading cause of degraded water quality in our nation's lakes, streams, beaches and waterways. They require communities to adopt stormwater best management practices to improve their water quality.

"In public works, simple is almost always better. It's hard to find a simpler concept than these hoods."

"We have been employing Bio-Skirts in hot spots where there is a lot of traffic or parking facilities. Oil sheens are not what people want to see in the water, and we've added this extra measure of quality control. It's making an impact."



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