

JELLYFISH Mechanical System

Lets Take a Look Underground!

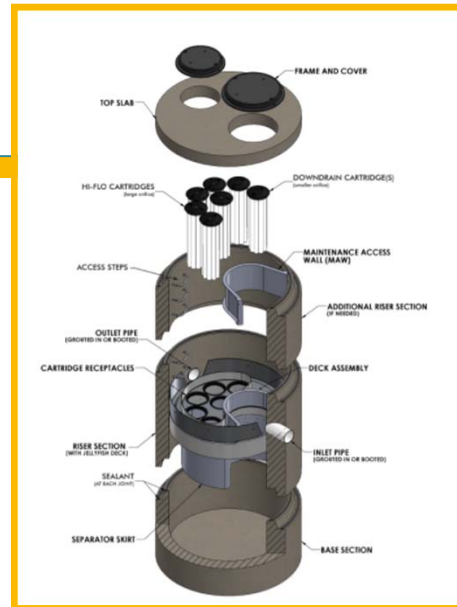
During rainstorms water runs on roadways and rooftops carrying bacteria, heavy metals and other pollutants along with it. The water eventually flows into stormwater system carrying all kinds of pollutants back into our water ways. Jellyfish filters help keep our water clean by removing these pollutants.

Below your feet is a 17 foot Jellyfish! Unlike most this jellyfish will not sting you. It serves as a structural stormwater management device to keep our water clean, using its seven tentacles or filters, so pollution is efficiently removed.

How Does It Work?

Stormwater enters the Jellyfish filter through an inlet pipe which drains down through the filters where oil, trash and debris are removed. The cleaned water then exits from the outlet pipe into the lake.

For more information visit oses.tcnj.edu/stormwater/



Stormwater Facility : Jellyfish Filter

► STEM (BMP 7)



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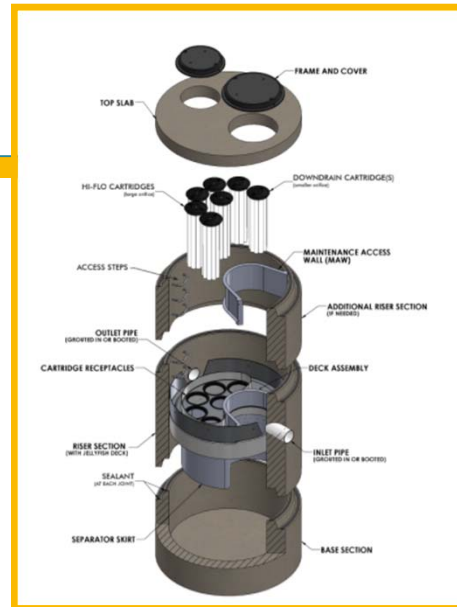
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Stormwater Facility : Jellyfish Filter

➔ Biology Building (BMP 6)



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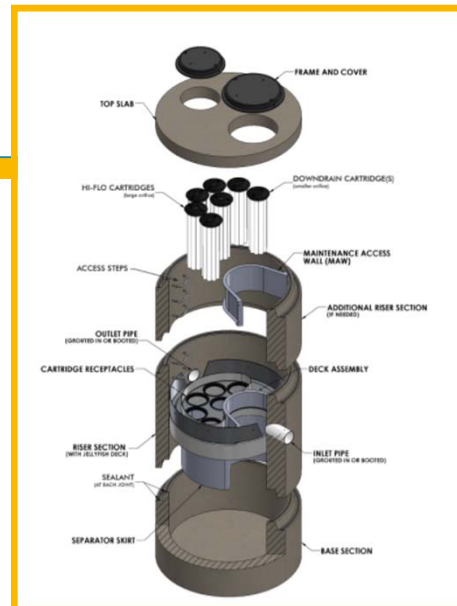
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Stormwater Facility : Jellyfish Filter

➔ Brower Student Center (BMP 9)



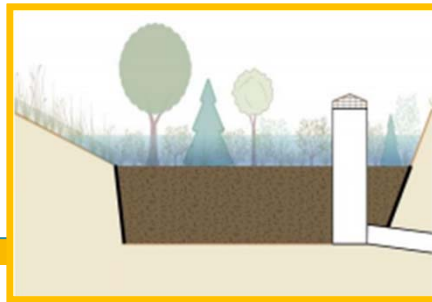
Bioswales

Green Infrastructure

It may look like a jungle but the plants growing in this section of land play a key roll in cleaning our water ways. Bioretention systems are vegetated stormwater management facilities that remove a wide range of pollutants.

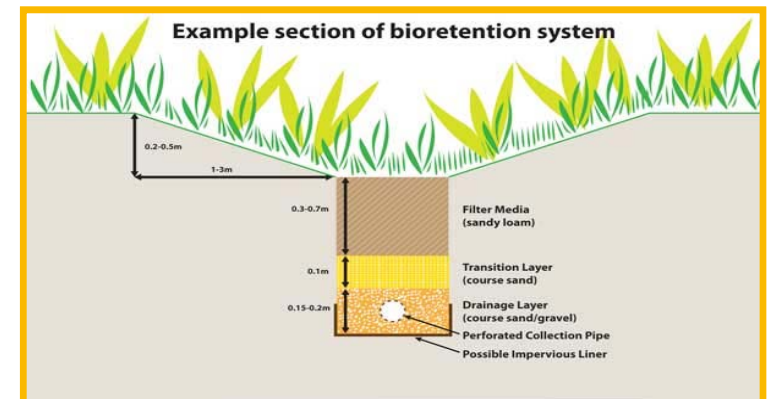
Stormwater runoff entering the system filters through the soil bed before flowing through a discharge drain or infiltrating into the subsoil. Vegetation in the soil bed provides removal of pollutants and rainwater runoff. The root system from the plants help slow down the rate at which water drains through soil. This allows for the removal of pollutants as they are captured by the plants roots.

For more information visit oses.tcnj.edu/stormwater/



Stormwater Facility: Bioswale

► STEM Green Infrastructure



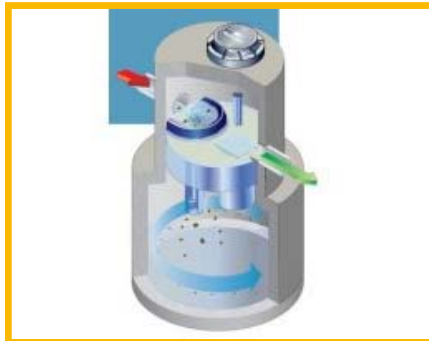
Stormceptors

Stormceptors act as a separator system that effectively removes pollutants from stormwater. They are flexibly designed to protect waterways from stormwater pollution, including suspended sediment, free oils, and other pollutants that attach to particles, no matter how fierce the storm.

How does it Work?

Stormwater enters the Stormceptor through an inlet pipe or grate. A specially designed insert slows the water down and directs it to a lower chamber. The non-turbulent chamber allows free oils and debris to rise becoming trapped and separated from the water flow. The sediment is then allowed to settle and be removed and the treated so stormwater can exit the outlet pipe

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Stormwater Facility : Stormceptors



Metzger Garage (BMP 3)



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Stormwater Facility : Stormceptors

➔ Forcina Garage (BMP 1)



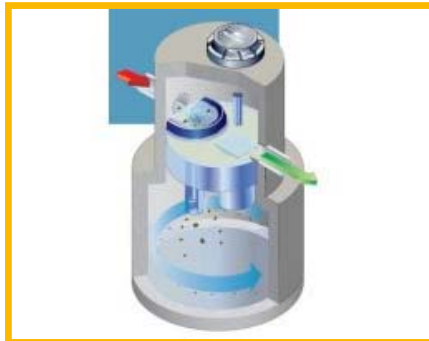
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Stormwater Facility : Stormceptors

► Metzger Garage 2 (BMP 9)

