

www.EcoSenseInt.com



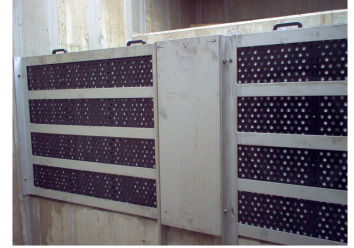
The **ESI EcoVault** is a precast concrete stormwater treatment structure that removes:

- Sediments
- Trash
- Organics
- Nutrients
- Metals
- Oils and Grease



The **Baffle Buddy™ Cassette Filter**, with ESI MZ medium, a patented surfactant modified alumino silicate, absorbs cations and anions such as:

- Phosphates- PO_4
- Ammonia- NH_4
- Dissolved Heavy
- Metals
- PCB, BTX, PCE, THM
- Pentachlorophenol
- Creosote
- Non-ionic surfactants



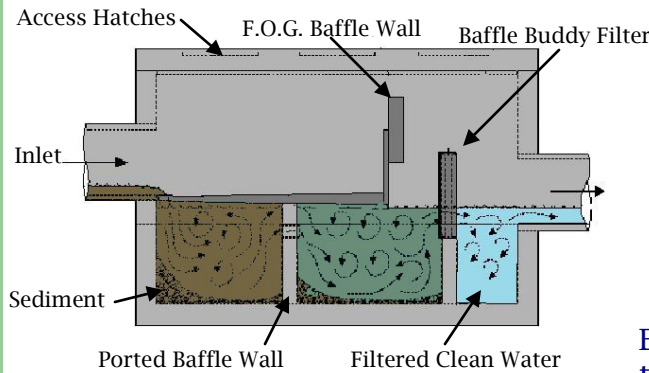
Ask about improved dissolved oxygen levels in your storm water treatment system with **SSRC** *Static Stormwater Remediation Chemistry™*



EcoVault™

Simple Solutions to Water Pollution

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EcoVault treats the continuous flow while debris screens span the entire box, creating extensive storage volume.

Multi-piece construction to minimize lifting and freight.

Baffle Buddy Cassette Filter becomes the final internal weir wall.

Debris screens are made of aluminum or Stainless Steel.

ESI MZ Filter medium is superior to traditional clay materials because it is rigid and stable, even in aqueous conditions.



**Phosphorus
Absorptive
media!**



Technology is based on slowing the flow's velocity to facilitate settling.

Baffles impede forward movement of settling particles.

Debris screens raise trash and leaves out of the water to greatly reduce decomposition.



ESI offers products that prevent anoxic conditions and effectively remediates the standing water left between storm events.



Model Size L x W (ft x ft)	Typical Pipe Size (in)	80% TSS ¹ Removal Efficiency Flow (cfs)	Screen Storage Capacity (cf)	Sediment Chamber Capacity (cf)	Total Contaminant Capacity (cf)
5x11	12 to 30	15	87	150	237
6x12	18 to 36	24	144	201	345
8x14	30 to 54	32	324	321	645
8x16	36 to 54	40	360	369	729
10x16	42 to 66	45	550	465	1015
12x20	54 to 72	55	1008	945	1953



Servicing the EcoVault is easy with the accessible hatches and requires a vacuum truck.



Custom sizes are available to meet your specific application

¹ Pandit, Ashok, Ph.D., P.E. & Gopatakrishnan, Ganash; "Physical Modeling of A Stormwater Sediment Removal Box"; Jun. 1996