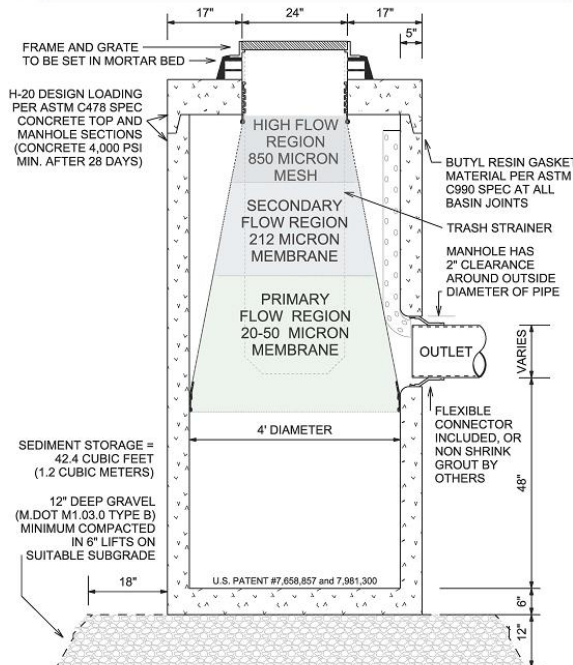


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# Stormwater Technologies Clearinghouse

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## Stormwater Buffer Zone :: A product from [STORMWATER BUFFER ZONE](#) ::



### General Information

Find information on the BMP type, applications and pollutants treated

### Cost

Per unit, CFS, and/or lb of pollutant removed

### Design Considerations

Installation and maintenance requirements, design methodology, setbacks, capacities, etc.

### Site and Environmental Considerations

Storm types, drainage area, soil types, infiltration rate, residuals, secondary impacts, etc.

### Performance Evaluation

Summary table of test status, our rating, links to more detailed information, list of test reports

### MASTEP Evaluation Summary

This product was evaluated in at least one third-party study. See MASTEP Evaluation Summary.

### In Brief:

The Stormwater Buffer Zone system is a stormwater treatment unit that combines the treatment mechanisms of both a gravity separator, and staged membrane filter to address fine sediment and particulate-bound phosphorus, metals, and other pollutants. The unit's patented combination of a gross pollutant strainer and treatment skirt is designed capture gross pollutants and floatables. It is compatible with oil absorbent skimmers, and lets sediment fall to the manhole floor where it can be cleaned using vacuum truck or clamshell equipment. The patented geometry of the treatment skirt is designed to detain and stabilize the discharge of pulse type rain events and allow extended filtration time after a storm event. This detention feature is intended to both increase residence time for settling and filtration, and protect stored sediment from resuspension during extreme flows to prevent scour. The geometry of the system routes all stormwater, including extreme flows, to discharge through some level of filtration.

Pollution Removal Performance Comparison Table						
Product Name	BMP Type	Removal Claimed by Manufacturer	TSS removal, third party verified	Infiltration (i.e. groundwater recharge)	Link to MASTEP Website	Comments
Stormwater Buffer Zone SBZ	Advanced Inlet Structure	62.6% SSC	62.6% SSC	See comment	<a href="http://www.mastep.net/MastepProduction/database/d_eval.cfm?recID=864&amp;vID=6">http://www.mastep.net/MastepProduction/database/d_eval.cfm?recID=864&amp;vID=6</a>	Results obtained in 2012 laboratory study, Alden Laboratory. Unit can optionally route a portion to infiltration.

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