

STORM WATER LITTER TRAP

Keeping our Waterways Clean



INSTALLATION of trap beside Mirang Ave

Two of these units have been installed in the stormwater drains of Balcombe Estuary Reserve to prevent gross pollutants entering the creek, estuary and, ultimately, Port Phillip Bay.

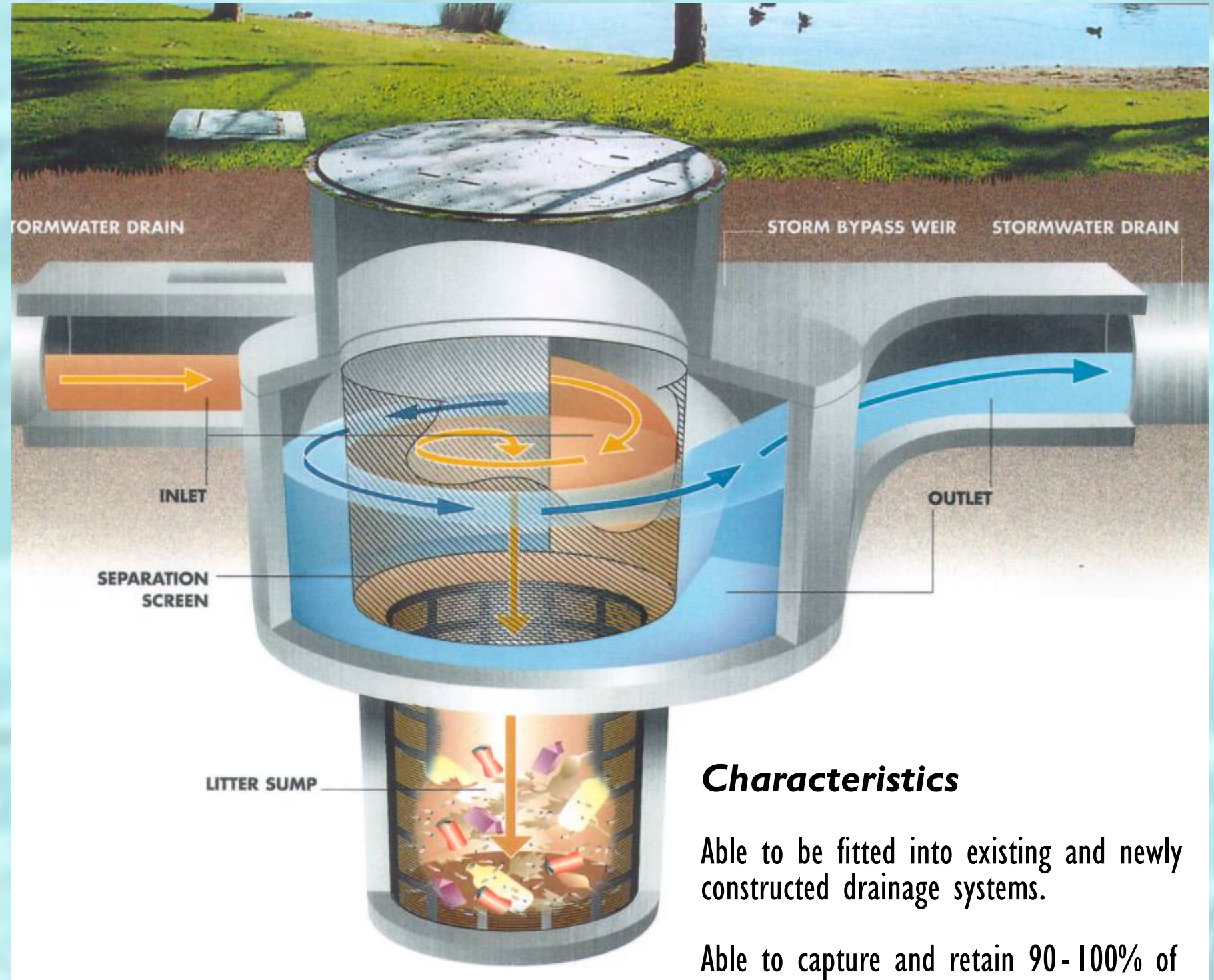
How does a CDS unit work?

1. Stormwater from our houses, streets, etc. flows along large underground stormwater pipes into a CDS unit.
2. The water enters the unit and, as it swirls around the large cylinder, the street litter, vegetation and coarse sediment are blocked by a filtration screen while the now cleaner and filtered water passes through the separation screen and on along the outlet pipe.
3. The trapped waste solids fall to the bottom to collect in a large basket lining the litter sump.



Looking down into the cylinder

Two CDS filter units have been installed in Balcombe Estuary Reserve by Mornington Peninsula Shire Council. They are emptied regularly.



CDS Filter Unit (CDS Continuous Deflective Separation)

4. Periodically the removable basket is hoisted out by a big crane, drained and emptied into a truck for later disposal.



Emptying unit at Ferrero Ovals

Characteristics

Able to be fitted into existing and newly constructed drainage systems.

Able to capture and retain 90-100% of all waterborne litter from plastic bottles to coarse sediment.

Functions irrespective of flow conditions.



Rubbish & pollutants removed from basket.

Photos by Liz Barraclough