

Contech® Hydrodynamic Separation

Pretreatment for Green Stormwater Solutions



Before CDS®



A bank by a stormwater retention pond in Pinellas County, Florida was fouled with cigarettes and other debris.

After CDS®



Two and a half months later after a CDS was installed, the bank was clean.

HDS Benefits

- Cost-effective method of gross pollutant removal
- Pretreatment reduces size and increases longevity of land based BMPs
- Variety of sizes to meet range of applications and flows
- Easy, low-cost maintenance

HDS Applications

- Pre-treatment for rainwater harvesting/stormwater reuse
- Pre-treatment for infiltration and bioretention
- Urban retrofit/redevelopment
- Sediment and trash protection for ponds/lakes
- Pump protection

CDS Features

- Captures and retains 100% of floatables and neutrally buoyant debris 2.4 mm or larger
- Proven removal of solids, oil and grease
- Patented indirect screening capability keeps screen from clogging
- Retention of all captured pollutants, even at high flows
- Easy access to remove captured pollutants
- Performance verified by NJCAT and WA Ecology
- Flexible design
 - Allows for multiple inlet pipes
 - In-line, grate and curb inlet configurations
 - Easily installed in existing storm drain

