

LITTATRAP™

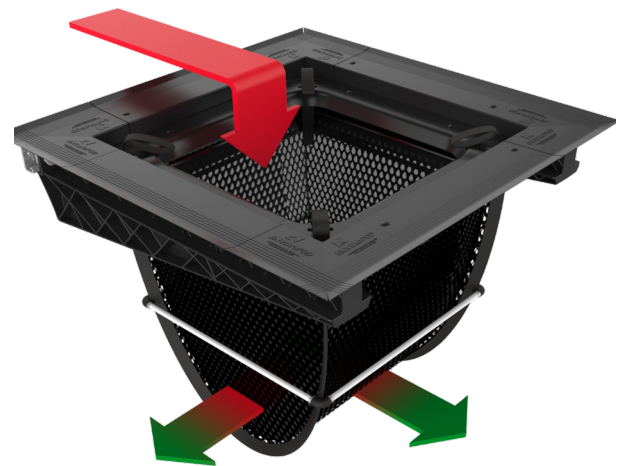
Low-cost catchpit insert
for removal of litter and
gross pollutants from run-off

Litter, leaves and other gross pollutants such as cigarette butts wash into our storm drains daily, and are responsible for degradation of our streams, rivers, lakes and beaches. Stormwater runoff from existing drainage network largely flows untreated into our marine environment and negatively effects the water quality, land value and marine life. LittaTrap is a low-cost solution to remove these pollutants.

The LittaTrap is an award-winning catchpit insert designed to be easily retrofitted into new and existing stormwater catchpits to specifically target litter, leaves and gross pollutants, capturing them at source and preventing them from accumulating in our waterways.

The LittaTrap is very cost effective and easy to maintain. Simply lift the filterbag out of the catchpit, empty and then replace back into the frame. This efficient solution captures and removes plastics and other pollutants before they reach the stormwater outfall.

The LittaTrap is also effective as a pre-treatment device for use in a treatment train with hydrodynamic separators, filtration devices, ponds and wetlands. In many cases, it is often the most practical solution for retrofits.



HOW DOES IT WORK?

As stormwater enters a storm grate or catchpit, it passes through the filterbag. Litter, debris, and other pollutants larger than the filterbag aperture are captured and retained.

If the filterbag is full or during high flows, the overflow is released through the overflow apertures in the frame assembly.

DESIGN AND OPERATION

The LittaTrap is fixed by brackets to the catchpit precast concrete wall below the inlet grate allowing the filter insert to be easily lifted out by hand for maintenance. Consisting of a structural bracket assembly with flow diverter seal and a removable filterbag insert which allows for high flow bypass, the LittaTrap is simple to install and remove.

Once the filter insert has been removed, open access to the base of the catchpit and outlet pipe means any accumulated sediment in the pit can easily be removed by inductor truck if required.

Standard sizes fit the common precast concrete regular and curb entry catchpits. Custom designs may be fabricated for non-standard catchpits.

CAPABILITIES

- Captures litter, leaves, debris and gross pollutants before they enter the drainage system
- Fits a range of catchpit sizes – ideal for retrofits
- Easy access - maintenance friendly design, can be hand maintained
- Bypasses high flows with no moveable parts
- Adjustable flow diverter allows fine-tuning during installation for a perfect fit
- Third party tested at Auckland University

BENEFITS

- Can be used to target high litter areas
- No construction means low capital costs
- Ideal pre-treatment device for filters, ponds, wetlands or other stormwater management and WSD practices
- A range of filterbag sizes to target gross pollutants
- Hand maintainable
- No confined space entry

EASY MAINTENANCE

The LittaTrap is very cost-effective and easy to maintain as the filterbag can be simply picked up and emptied by hand. As the LittaTrap is hand maintainable, it can be easily cleaned by site owners or maintenance crew without the need for vacuum inductor trucks or heavy lifting equipment. The pits can be visually inspected and accessed from grade, so there is no requirement for confined space entry, reducing maintenance costs.

LittaTrap filters should be inspected periodically to determine maintenance frequency. The frequency of maintenance services should be reviewed at the completion of each clean and modified if pollutant loadings deem this necessary. At the required maintenance interval the contaminants need to be removed from the filterbags and disposed of appropriately.

The maintenance crew is responsible for the disposal of debris in accordance with all applicable regulations and is responsible for following all Health and Safety requirements.

Contact the Stormwater360 maintenance department at maintenance@Stormwater360.co.nz for more information.

HAND MAINTENANCE IS AS EASY AS 'LIFT, TIP, REPLACE'

1. **Lift** LittaTrap out of pit using handles
3. **Tip** contents out of LittaTrap into suitable receptacle for contents
2. **Replace** LittaTrap securely back into surrounding frame and seal

01 LIFT



02 TIP



03 REPLACE



Captured gross pollutant



LittaTrap Catchpit

CONTACT DETAILS

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