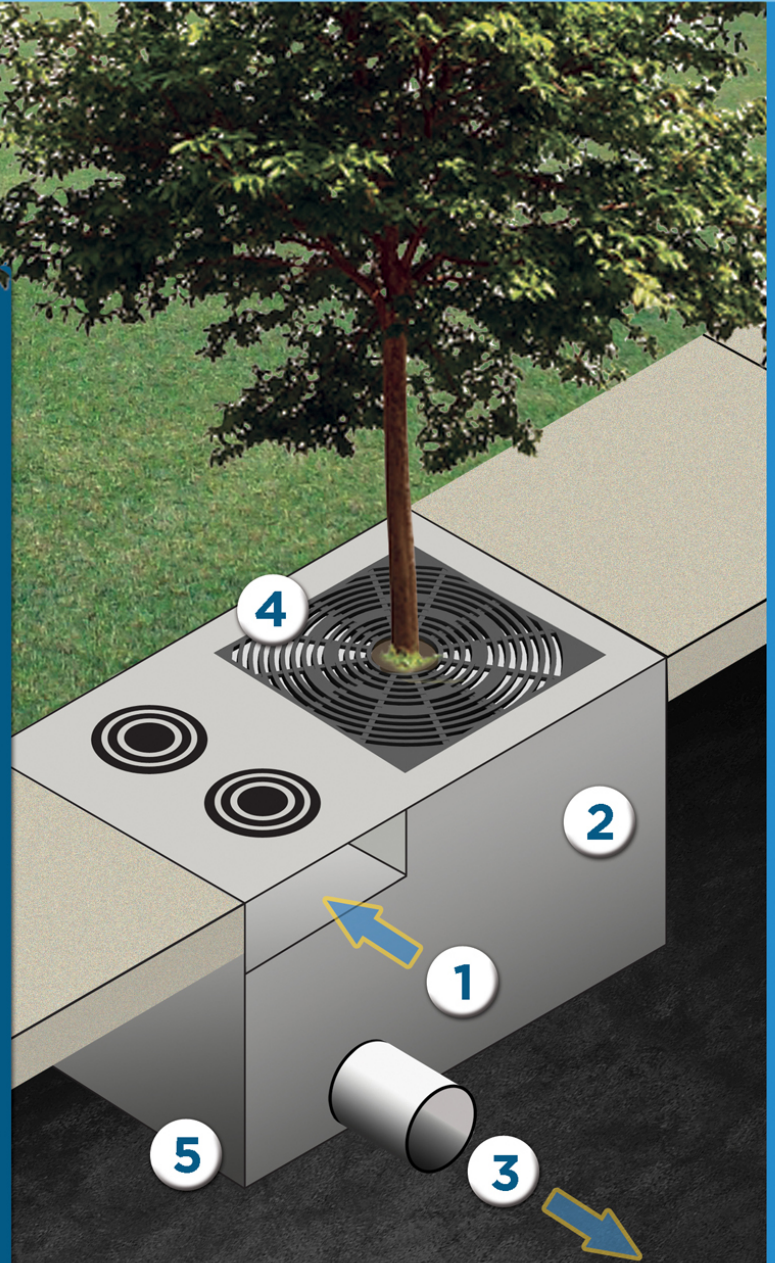


# BIO-FILTER

## STORMWATER BIOFILTRATION SYSTEM

### BIO-FILTER™ OPERATIONS SUMMARY

- 1** Unique curb inlet design that pretreats disperses runoff across top layer of mulch media while preventing debris from clogging inflow
- 2** Engineered biomedica removes suspended sediment, total and dissolved forms of copper and zinc, total phosphorus, nitrogen and oil.
- 3** Treated flow discharged via perforated underdrain pipe set in basal gravel bed.
- 4** Ease of maintenance from surface using removable covers and tree grates to clean out and removable tree grate.
- 5** High performance construction material provides structural integrity and long term functionality.



INNOVATING GOOD CLEAN WATER



## AQUASHIELD™ BIO-FILTER™ BENEFITS

### Low Impact Development

- Green infrastructure solution compatible with LID practices
- Provides runoff reduction and high level of water quality treatment
- Customizable for a wide variety of vegetation
- Various inlet & outlet configurations available

### Installation & Activation

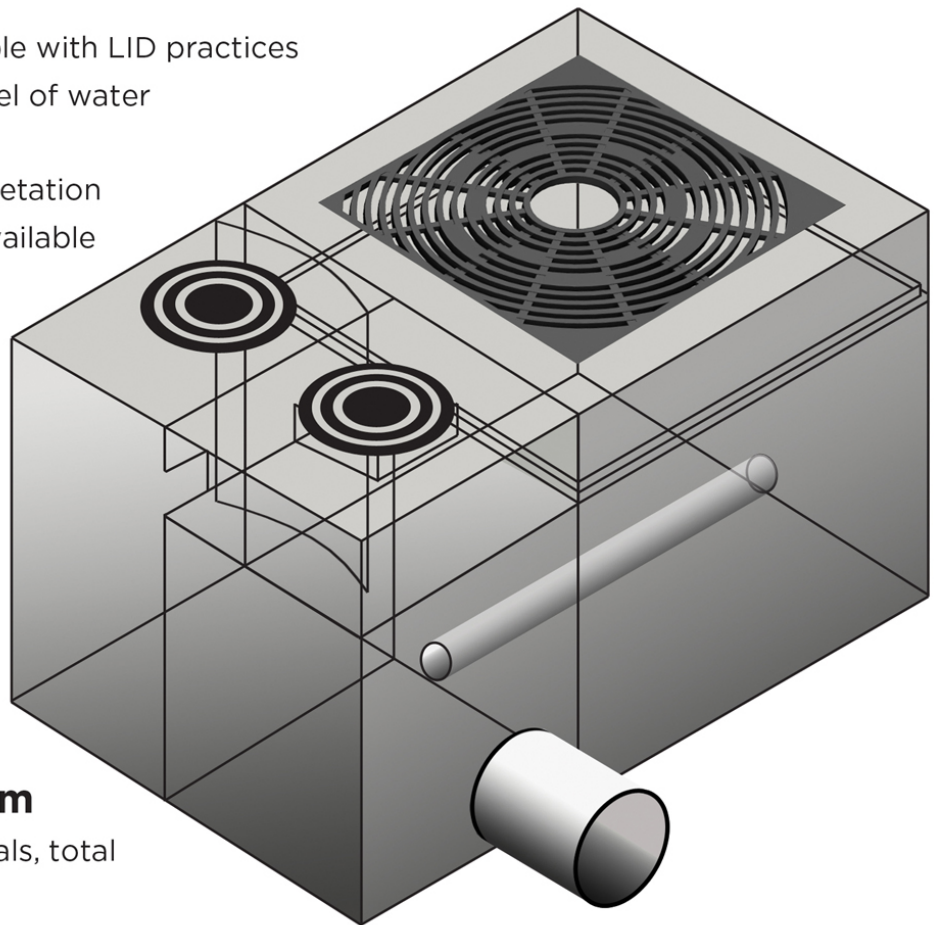
- Easy installation without the use of a crane
- High performance lightweight construction material provides durability and functionality
- Delivered to site with Bio-Filter™ media provided
- Simple post-construction activation

### AquaShield Bio-Filter™ System

- Removes TSS, total and dissolved metals, total phosphorus, nitrogen and oil
- Treatment flow rate up to 135 inches/hour
- Models are customized to site-specific needs
- Specifically engineered Bio-Filter™ media

### Inspection & Maintenance

- Ease of inspections and maintenance from surface
- Open access via removable tree grate to clean out Bio-Filter™ media
- No external filtration cartridges to maintain
- Includes a non-skid surface



Another Innovation by

**AquaShield**   
WATER TREATMENT SOLUTIONS

www.aquashieldinc.com  
2733 Kanasita Dr., Ste 111  
Chattanooga, TN 37343  
888.344.9044  
423.870.8888  
423.826.2112 (fax)