BIO-FILTER™
OPERATIONS SUMMARY

1. Unique curb inlet design that pretreats disperes runoff across top layer of mulch media while preventing debris from clogging inflow.

2. Engineered biomedia 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