



Delivering L.B. Foster innovation

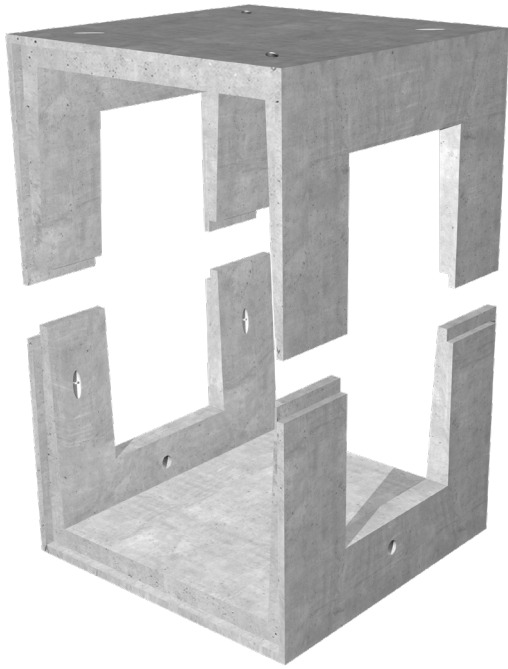


# ENVIROKEEPER<sup>®</sup>

## STORMWATER MANAGEMENT SYSTEM

RETENTION   DETENTION   HARVESTING   INFILTRATION

# THE MODULE



The Envirokeeper® difference is the flexibility of the system design and module components.

1 MODULE 4 SOLUTIONS

RETENTION • DETENTION • INFILTRATION • HARVESTING

## THE SYSTEM

Envirokeeper® is a modular precast, reinforced concrete stormwater management system designed and engineered for use across multiple stormwater applications including retention, detention, infiltration, harvesting.

## LOADING CONDITIONS

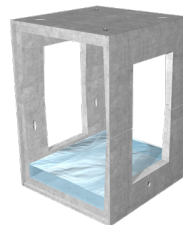
- Produced in a controlled environment.
- Conform to applicable ASTM's C890 & C913
- Designed to meet AASHTO HL-93/HS-20 live load ratings & variable earth cover. Heavier load ratings are available.

## THE MODULE

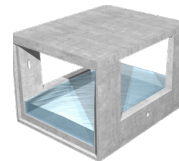
The Envirokeeper® module is designed to provide flexibility in application and size. The system module can be designed to create endless system configurations. Module walls can be open or closed as required to control water flow through a system.

## MODULE DIMENSIONS

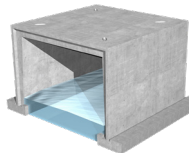
- Standard Module interior width – 7'-0"
- Variable Half Module interior heights – 7'-0" maximum
- Variable Full Module interior heights – 14'-0" maximum
- Slab/Footing dimensions vary based on design
- Variable Module length - 10'-0" or 15'-0"



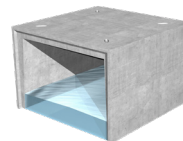
FULL CLAMSHELL MODULE



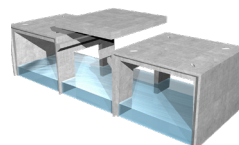
HALF MODULE W/ TOP SLAB



HALF MODULE W/FOOTINGS



HALF MODULE



MODULE W/SPAN SLAB

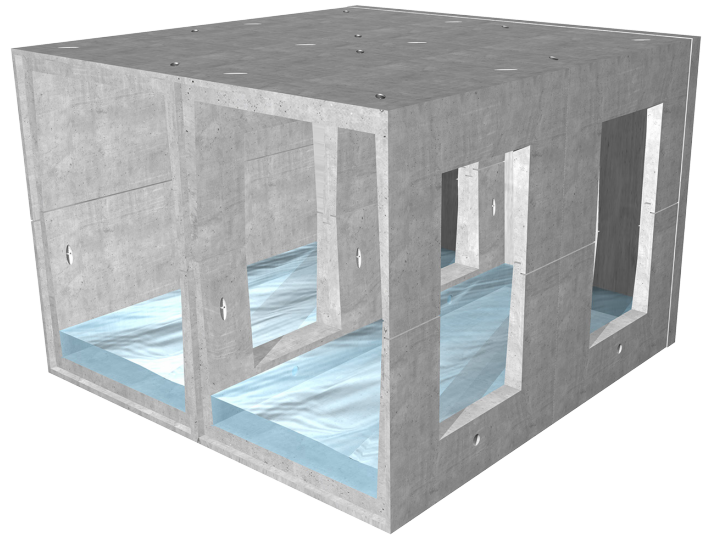
# RETENTION

## RETENTION APPLICATIONS

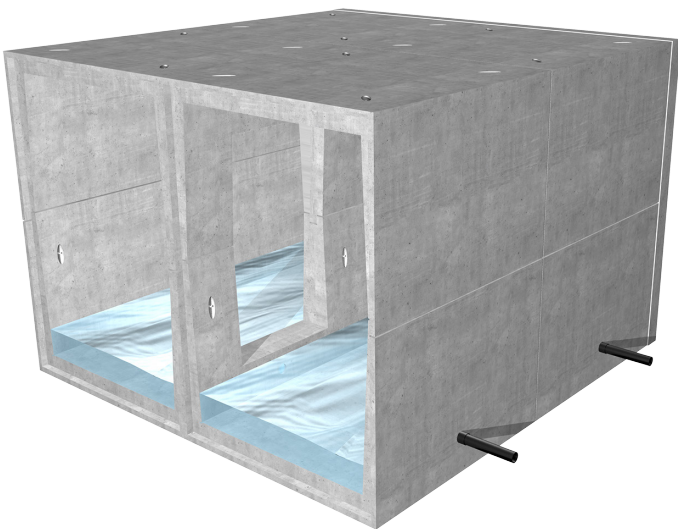
Envirokeeper® stormwater retention systems provide low impact, cost-effective solutions for applications where the flow of stormwater needs to be collected and retained.

Stormwater retention is used to control and limit the amount of stormwater allowed to enter a storm drain system during a storm event by diverting and trapping the water to contain it.

Retention systems are often used in conjunction with water harvesting and re-use applications.



# DETENTION



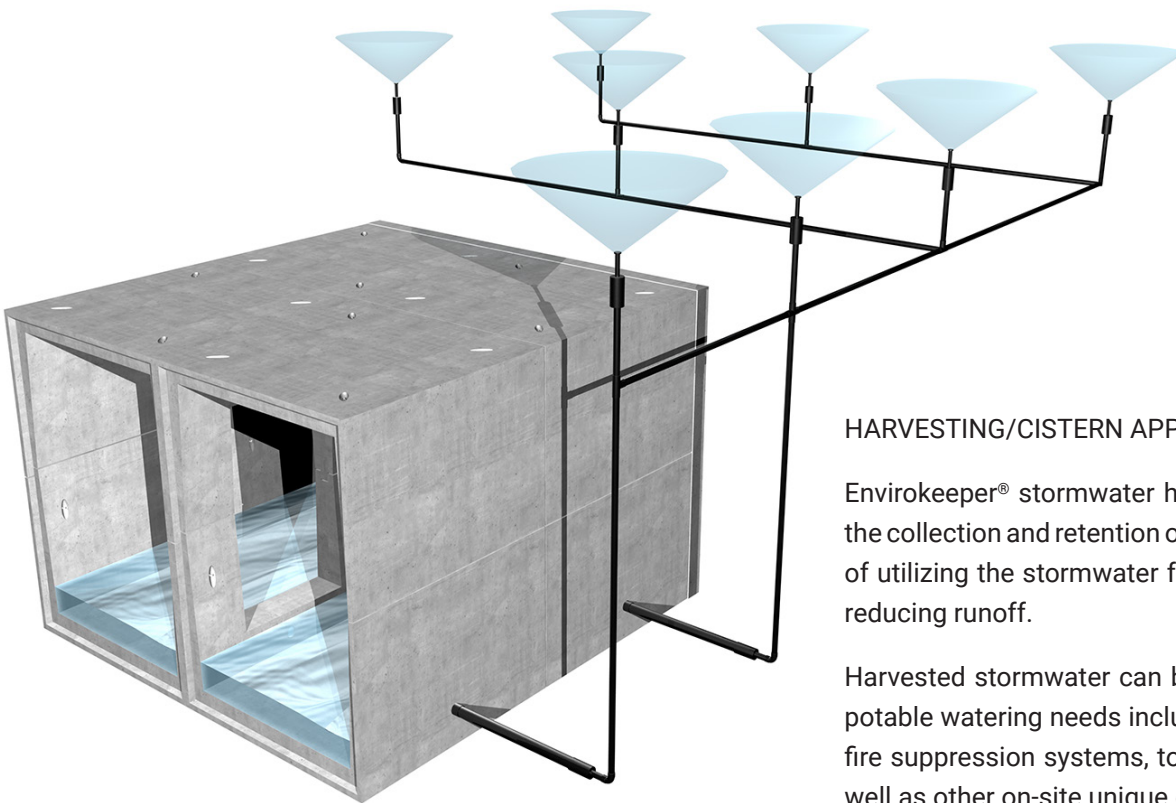
## DETENTION APPLICATIONS

Envirokeeper® detention systems provide stormwater management solutions for applications where the flow of stormwater needs to be trapped by temporarily detaining it, and allowing it to be discharged at a controlled rate.

Detention applications help prevent drainage system overflows by capturing water during a storm event. The stormwater is then regulated by an internal weir and released into the municipal storm drain system over a set period of time.

Treatment technology can be used with detention applications to treat contaminated stormwater, and also to collect and store pollutants from the stormwater runoff.

# HARVESTING



## HARVESTING/CISTERN APPLICATIONS

Envirokeeper® stormwater harvesting systems allow for the collection and retention of stormwater for the purpose of utilizing the stormwater for on-site applications while reducing runoff.

Harvested stormwater can be used for a variety of non-potable watering needs including: landscaping irrigation, fire suppression systems, toilet flushing, car washes, as well as other on-site unique designs for reuse.



**Landscape Irrigation**



**Groundwater Recharge**



**Golf Course Irrigation**



**Industrial Cooling**

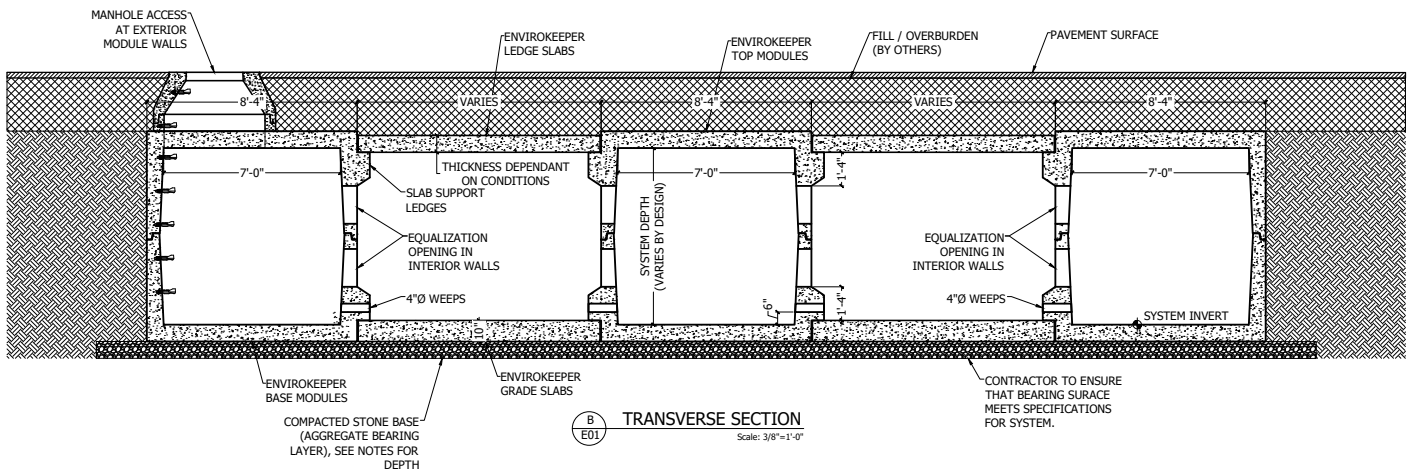


**Fire Suppression**



**Fleet / Vehicle Washing**

## Typical Installed Module Section

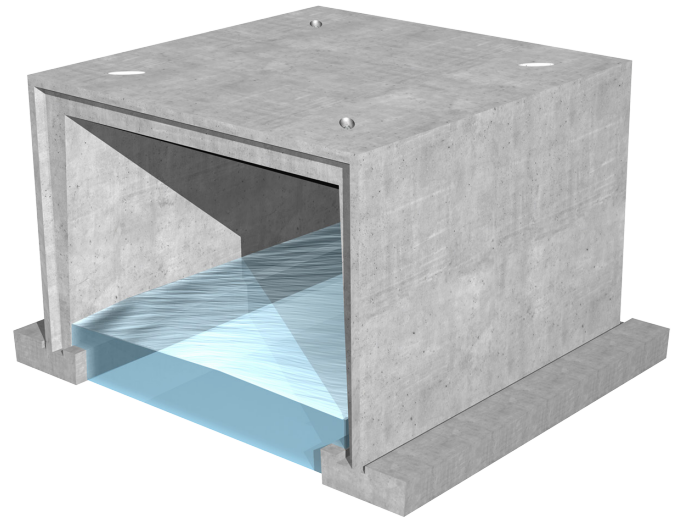


# INFILTRATION W/ FOOTERS

## INFILTRATION APPLICATIONS

Envirokeeper® stormwater management modules are the perfect solution for applications that require stormwater to be collected and allowed to infiltrate back into the soil for groundwater recharge and runoff reduction.

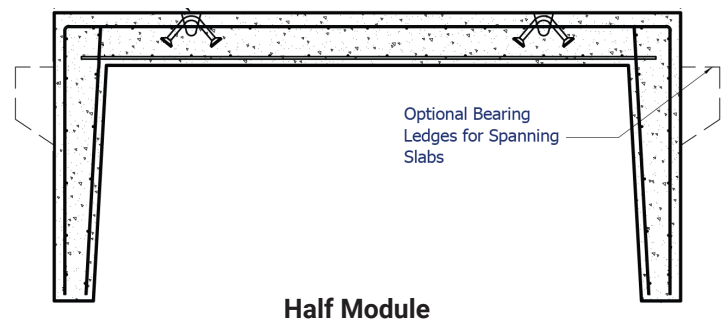
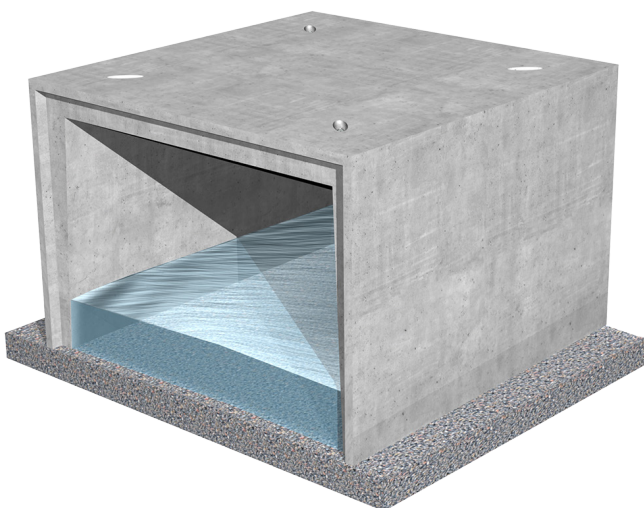
Inverted modules with footings can be designed and engineered for traffic-rated applications. The open-bottom systems can also incorporate a variety of infiltration media as required.



## Standard Infiltration Components



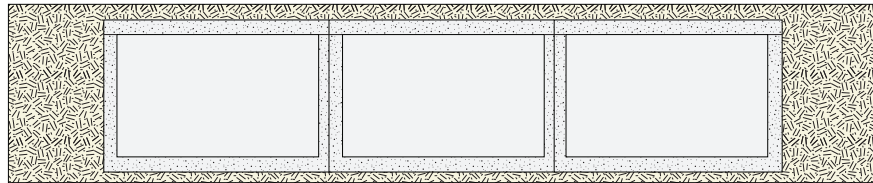
## Half Module / 3-Sided Culvert



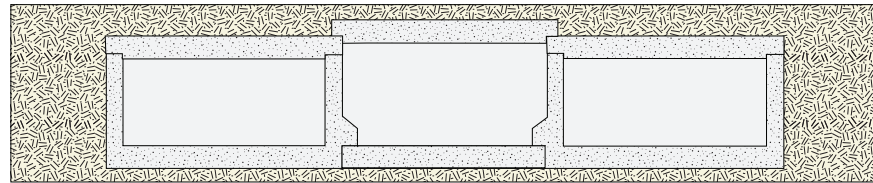
# STANDARD MODULE CONFIGURATIONS

Envirokeeper® stormwater modules can be designed and assembled in a variety of system configurations to provide site-specific stormwater management solutions. The versatility of this product offers the ability to provide a wide range of solutions. Our team of design and engineering experts can ensure you get the stormwater management solution your site requires with the performance you need.

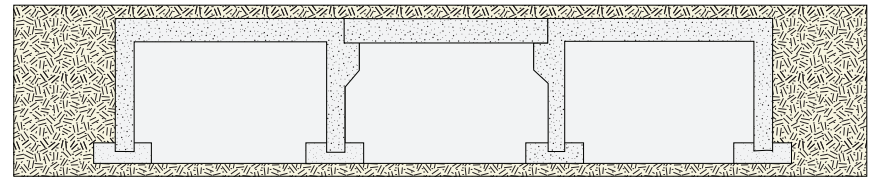
**Half Module  
w/ Top Slab**



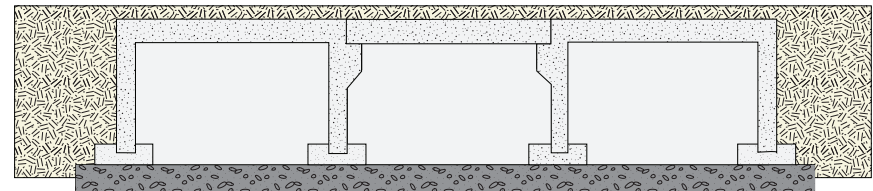
**Half Module  
w/Cover Slab**



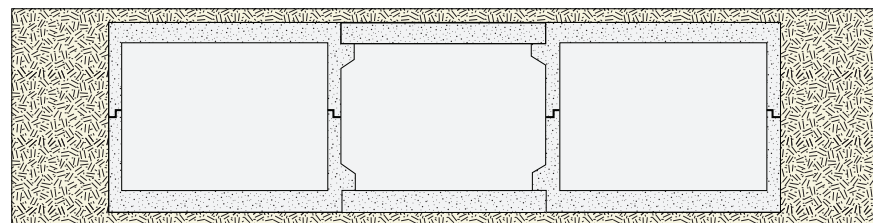
**Half Module  
w/Ledge Slab  
and Footings**



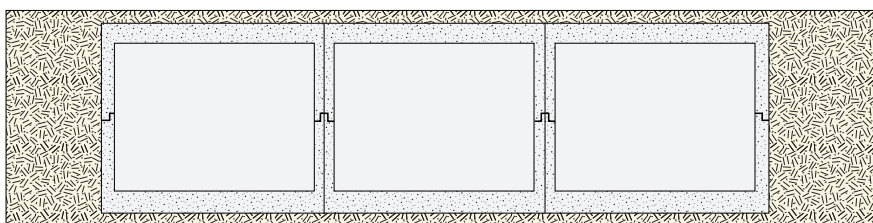
**Half Module  
Infiltration**



**Full Clamshell  
Module  
w/ Ledge Slab**

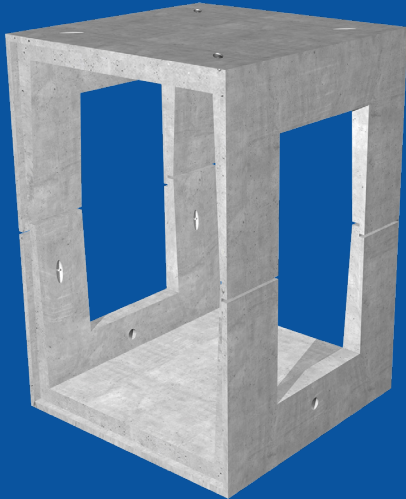


**Full Clamshell  
Module**



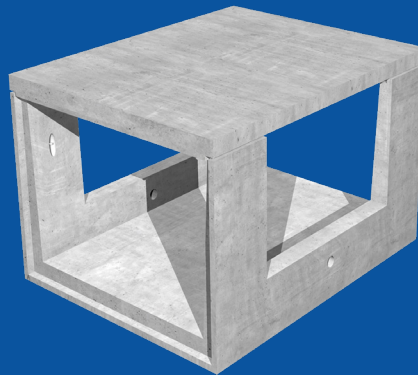
# STANDARD MODULE OPTIONS

Envirokeeper® system modules are designed and engineered to be used as stormwater management solutions in a variety of jobsite applications. CXT® Inc., can provide low-profile half modules for storage or infiltration, to full-height modules offering increased storage capacity. Envirokeeper modular solutions offer the design and engineering flexibility to meet any site-specific stormwater management needs.



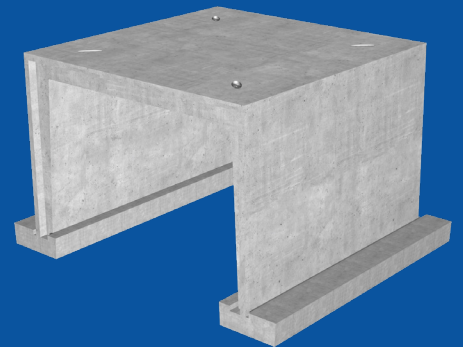
**FULL MODULE**

- Retention
- Detention
- Harvesting



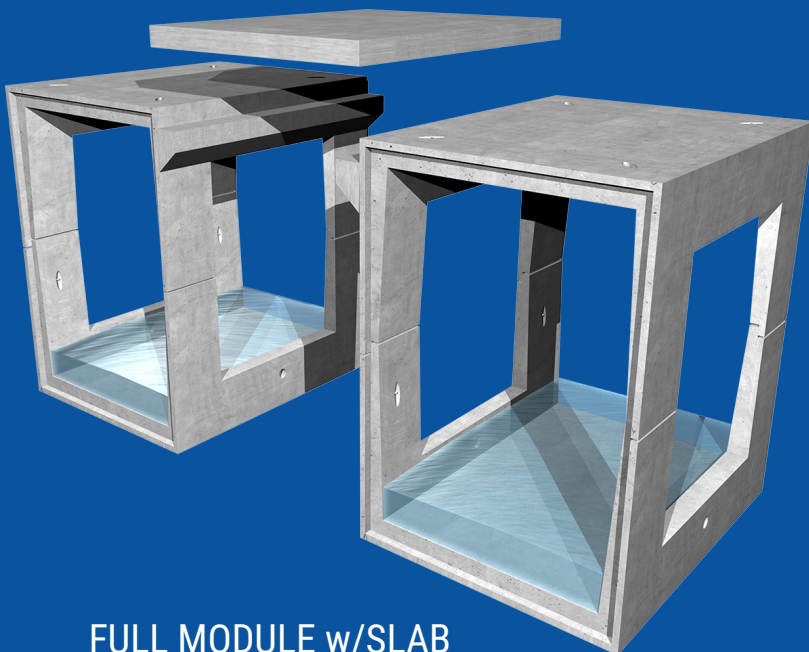
**HALF MODULE**

- Retention
- Detention
- Harvesting



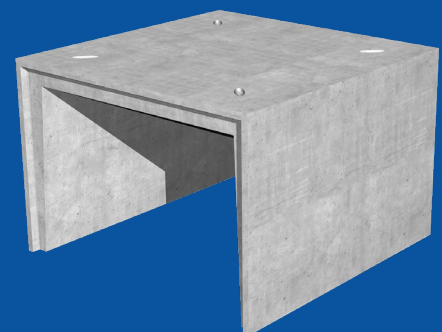
**HALF MODULE w/FOOTING**

- Infiltration
- Conveyance



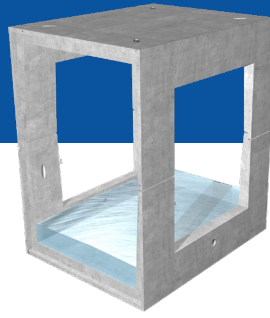
**FULL MODULE w/SLAB**

- Infiltration



**HALF MODULE**

- Infiltration
- Conveyance



# ENVIROKEEPER®

## STORMWATER MANAGEMENT SYSTEM



CXT® is a leading manufacturer of precast concrete products for the agricultural, civil, communications, energy, environmental, transportation, and water/wastewater industries. From essential municipal utilities to critical transportation and energy infrastructures, we are committed to providing practical solutions engineered to keep our world moving.



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