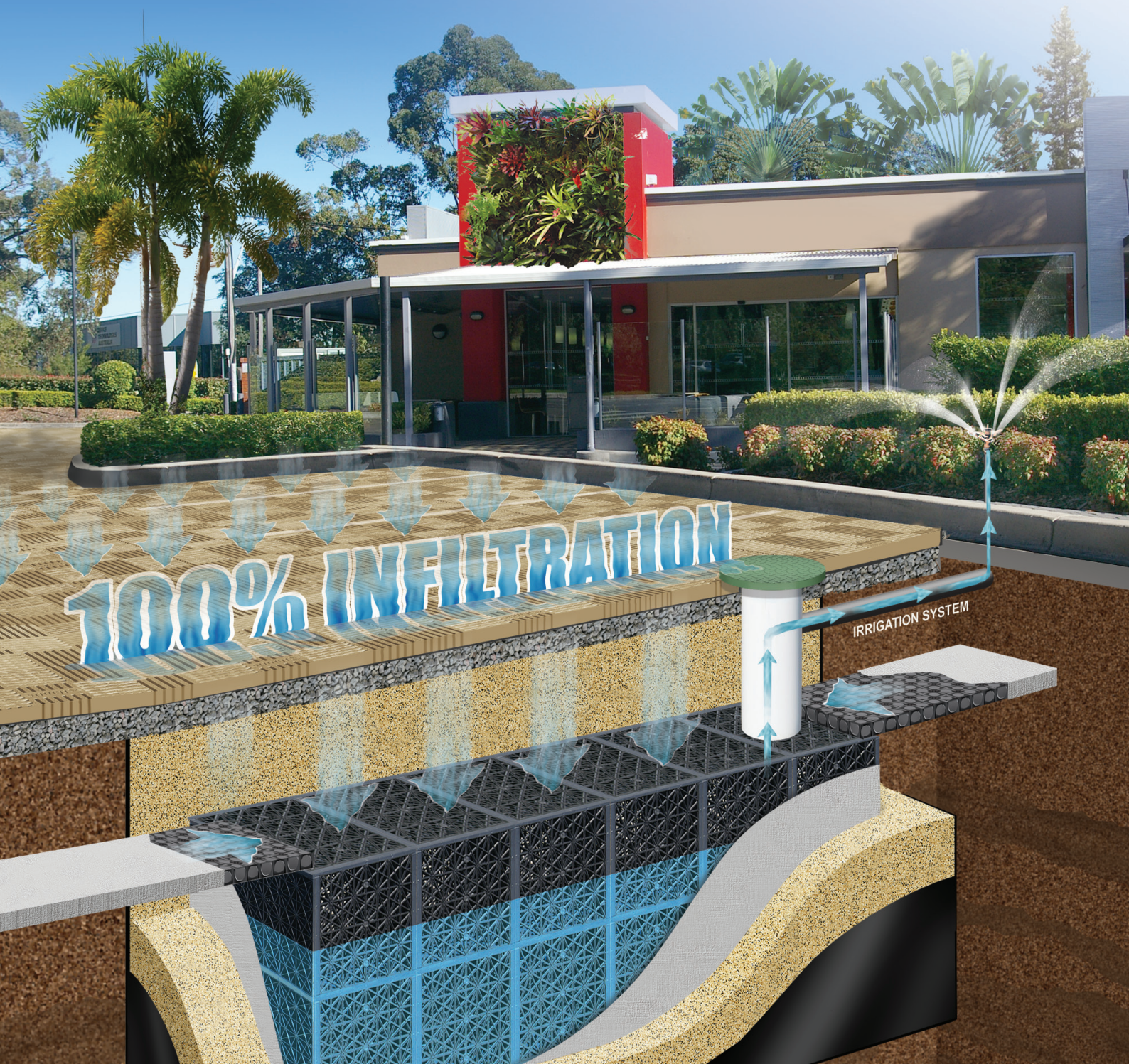
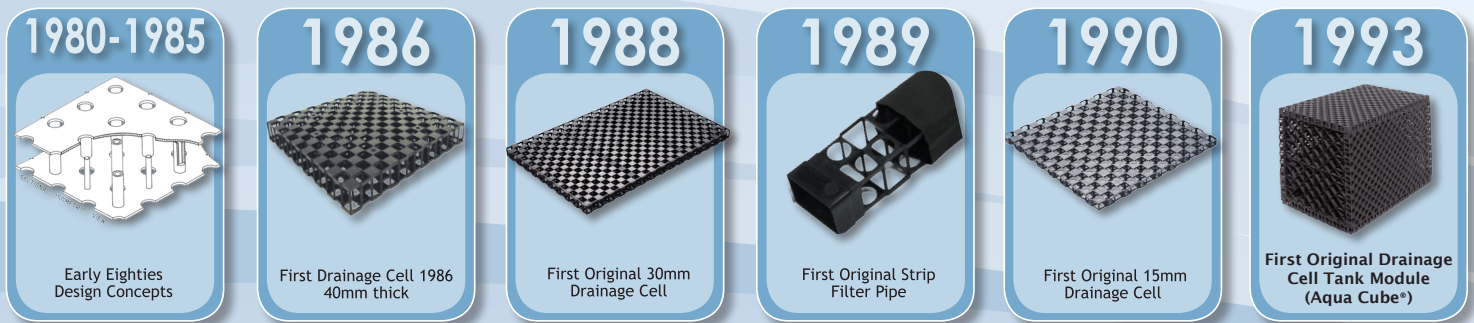


100% Permeable Solutions

The future of urban stormwater management



A Brief History...



The Original Since 1986

At Atlantis, we're committed to providing solutions for a sustainable future.

The green city concept is the reason why Atlantis exists as a company today. Our vision is to build green cities that provide a sink for carbon, cool cities, beautify the urban landscape and clean, filter and reuse water through natural infiltration.

We have offices and partners around the world and our team of environmental engineers, landscape architects and biologists have years of collective experience in the field.

THE DAILY TELEGRAPH, July 1987

Greener city likely

EVER wondered why more people don't take advantage of the thousands of rooftops round Sydney to make life a little greener and more pleasant with a rooftop garden?

Well, apparently it isn't as easy as all that — drainage and weight are the major problems.

But a new product could solve many of the problems and we could see a new sprouting of green rooftops all over Sydney. Wouldn't it be pleasant?

A revolutionary sub-surface drainage medium, which has been developed in Australia and is being widely applauded by landscape architects, can enable the widespread installation of roof gardens throughout the city.

The product, Drainage Cell, is an ultra-light-weight, polypropylene structure, a little like a squashed milk crate with a checker-board surface and about 6cm thick.

This vastly reduces the weight load on the roof in comparison to conventional methods.

Humberto Urriola, the managing director of Atlantis Corporation Pty Ltd, the Sydney-based manufacturers of the product, to landscape city rooftops using conventional techniques was "absolutely impossible".

"Since pre-Roman times, rooftop gardens have used gravel to provide under-surface drainage," Mr Urriola said.

"Gravel in this application weighs around 225kg per sq m.

HOME IMPROVEMENTS

With Gwenda Edwards

"Drainage Cell weighs 3.5kg per sq m."

As well as providing drainage, the manufacturers claim Drainage Cell laid over a permeable membrane controls the flow of water over the rooftop and enhances its cooling properties.

"This means that as well as saving on building costs when a garden is planned for a new structure — concrete slabs do not have to be so massive — a huge number of existing buildings can be 'greened' overnight," Mr Urriola said.

Such a move would not only have enormous visual advantages but would reduce pollution.

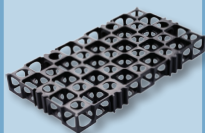
Mr Urriola, who developed the Drainage Cell, is a qualified landscape architect and botanist. Drainage Cell has already been installed with success on several low-rise buildings.

Tools for Green City Construction

1998



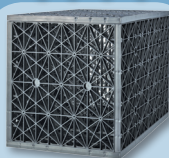
New Atlantis® Filtration Unit



First Original 52mm Drainage Cell

AU Pat. No. 765117 and foreign patents

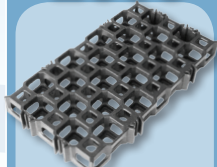
1999



First Original Matrix® (Flo-Tank™) Tank Module

AU Pat. No. 785313 and foreign patents

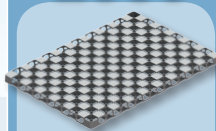
2003



First Original 53mm Extra Heavy Duty Cell

AU Pat. Appl. No. 206225235 and foreign patent applications

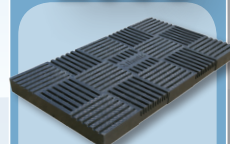
2006



New 30mm Flo-Cell™ drainage cell

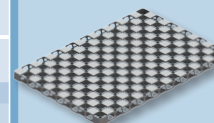
AU Design Reg. 304635 and foreign design applications

2008



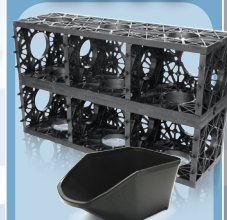
New Flo-Grid™ permeable paver

AU Pat. Appl. No. 2007906927 and foreign patent applications



New 20mm Flo-Cell™ drainage cell

2009



Gro-Wall® Vertical Garden System

BEYOND 2014

New products and systems are constantly under development

FROM CONCRETE JUNGLE

TO GREEN CITY

100% IMPERVIOUS
100% CONTAMINATION SURFACE

The Traditional Solution

- ✓ Stormwater Pollution
- ✓ Pollutes Oceans
- ✓ Pollutes Rivers
- ✓ Pollutes Creeks
- ✓ Destroys Natural Ecosystems
- ✓ Increases Global Warming
- ✓ Creates Urban Flooding
- ✓ Increases Drought Burden

100% PERVIOUS
100% INFILTRATION SURFACE




The Sustainable Solution

- ✓ Point Source Solution
- ✓ Clean Water Storage
- ✓ Reduces Global Warming
- ✓ No Environmental Hazards
- ✓ NO Urban Flooding
- ✓ Cost Effective

Creating the Green City

Residential Areas

Current stormwater systems and collection sumps in residential areas discharge into rivers and eventually into the ocean.

-  = Stormwater system
-  = Pipe outlet into the river and sea
-  = Contaminated waterways



100% RUNOFF in housing estates





- ✓ Permeable Parking Lots
- ✓ Permeable Roofs
- ✓ Permeable Roads

0% RUNOFF

Atlantis system: Rain harvesting in residential areas. Tanks and underground channels. Stormwater is collected onsite and stored for reuse or infiltrated for ground water table recharge.

Orange square = Rainwater Harvesting Tank

Yellow square = Infiltration Tank

Blue dashed line = Underground Channel

Blue area = Clean waterways

Green area = Roofgardens




Atlantis housing estates

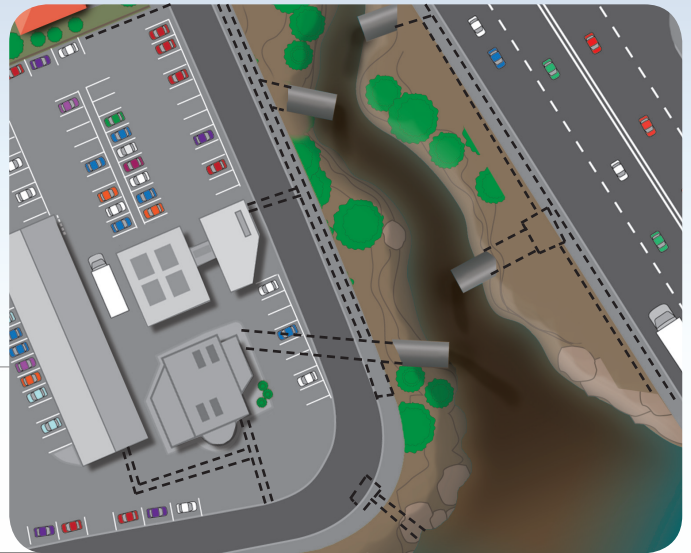


Creating the Green City

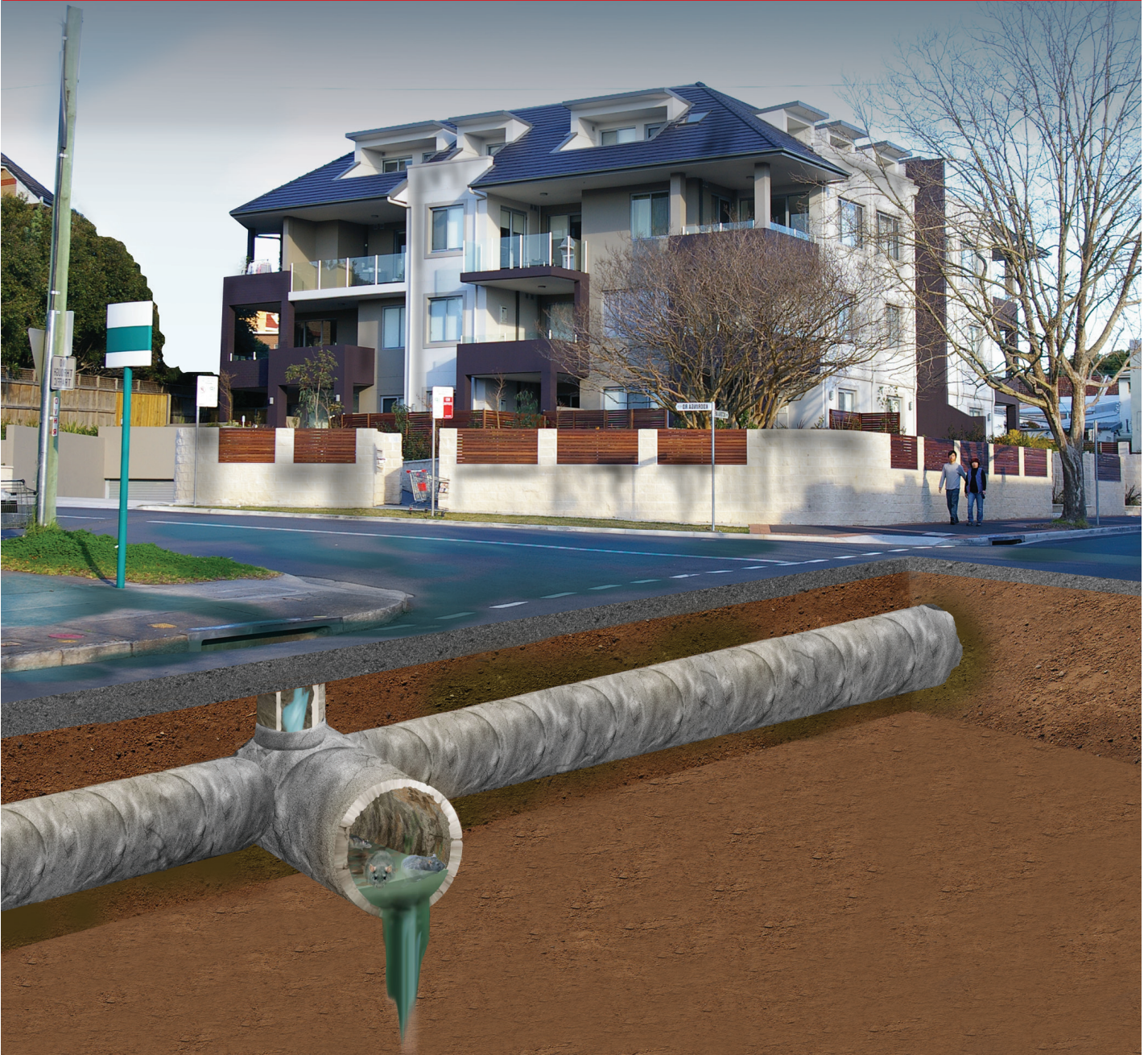
Medium Density Developed Areas

Current stormwater systems and collection sumps in medium developed areas discharge into rivers and eventually into the ocean.

-  = Stormwater system
-  = Pipe outlet into the river and sea
-  = Contaminated waterways



100% RUNOFF in developed areas



- ✓ Permeable Parking Lots
- ✓ Permeable Roofs
- ✓ Permeable Roads

0% RUNOFF

Atlantis system: Stormwater management and harvesting in medium developed areas. All water is collected onsite and stored for reuse or infiltrated for ground water table recharge.

Orange = Rainwater Harvesting Tank

Yellow = Infiltration Tank

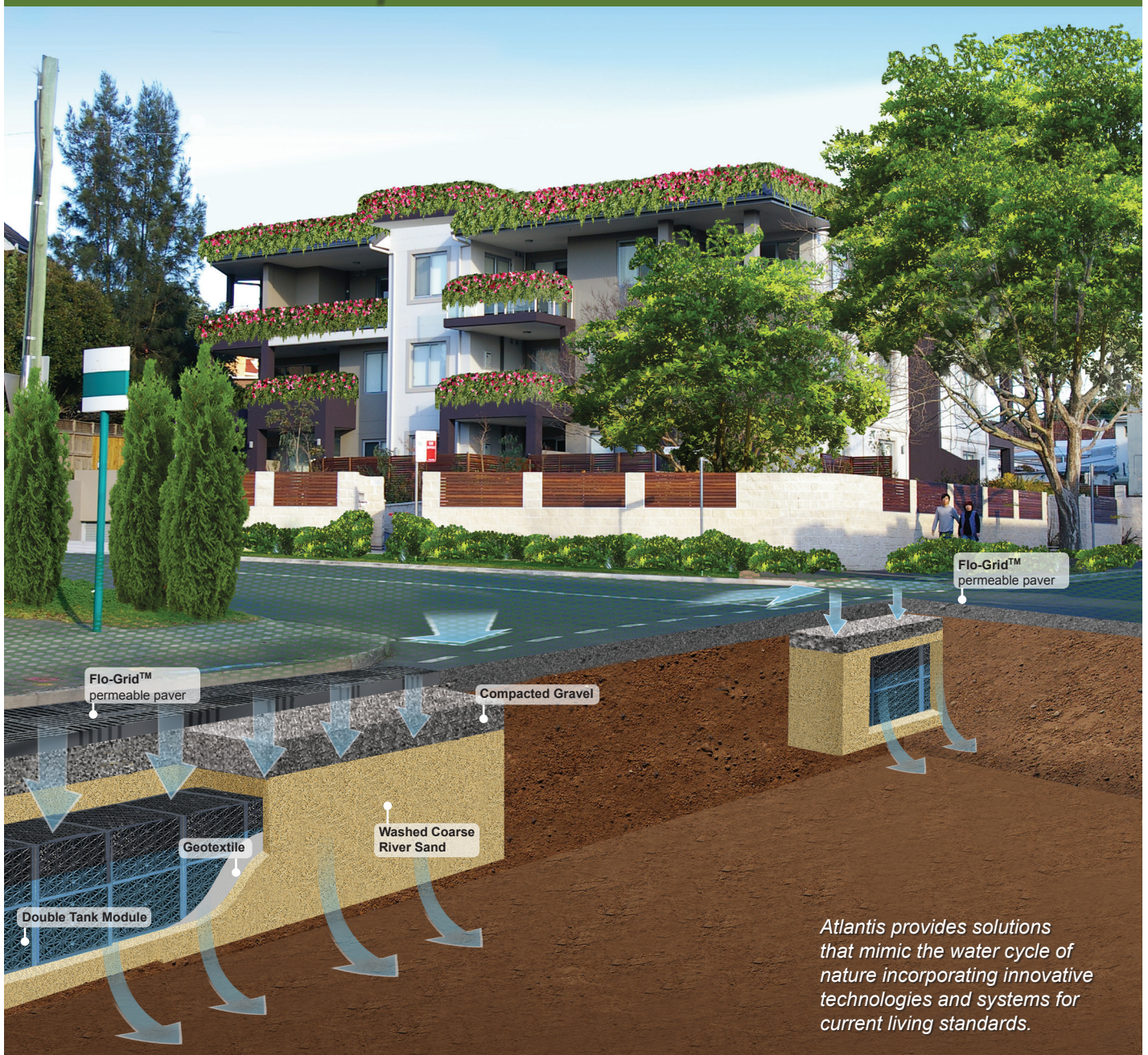
Blue dashed line = Underground Channel

Blue = Clean waterways

Green = Roofgardens



Atlantis developed areas






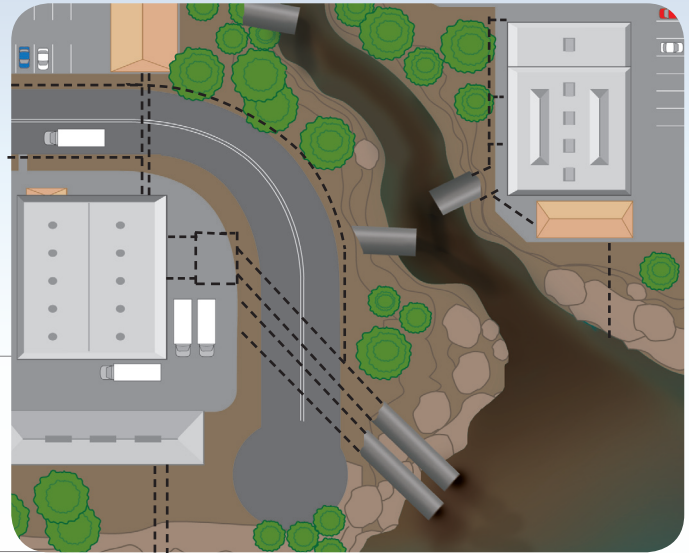
Atlantis provides solutions that mimic the water cycle of nature incorporating innovative technologies and systems for current living standards.

Creating the Green City

Industrial Areas

Current stormwater systems and collection sumps in medium industrial areas discharge into rivers and eventually into the ocean.

-  = Stormwater system
-  = Pipe outlet into the river and sea
-  = Contaminated waterways








100% RUNOFF in industrial areas

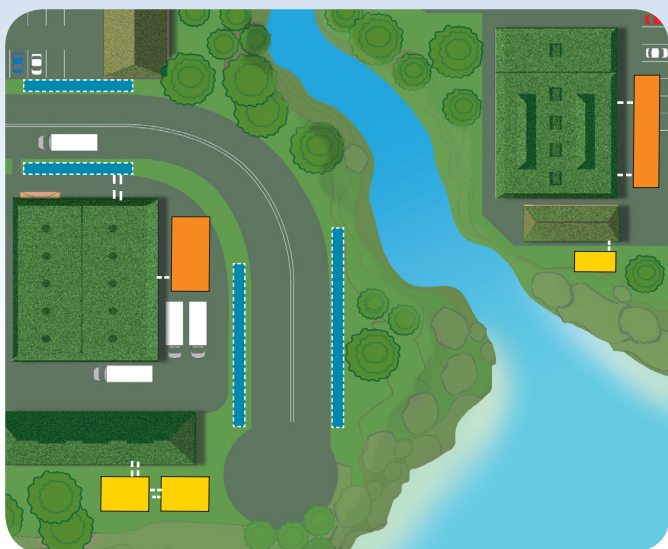


- ✓ Permeable Parking Lots
- ✓ Permeable Roofs
- ✓ Permeable Roads

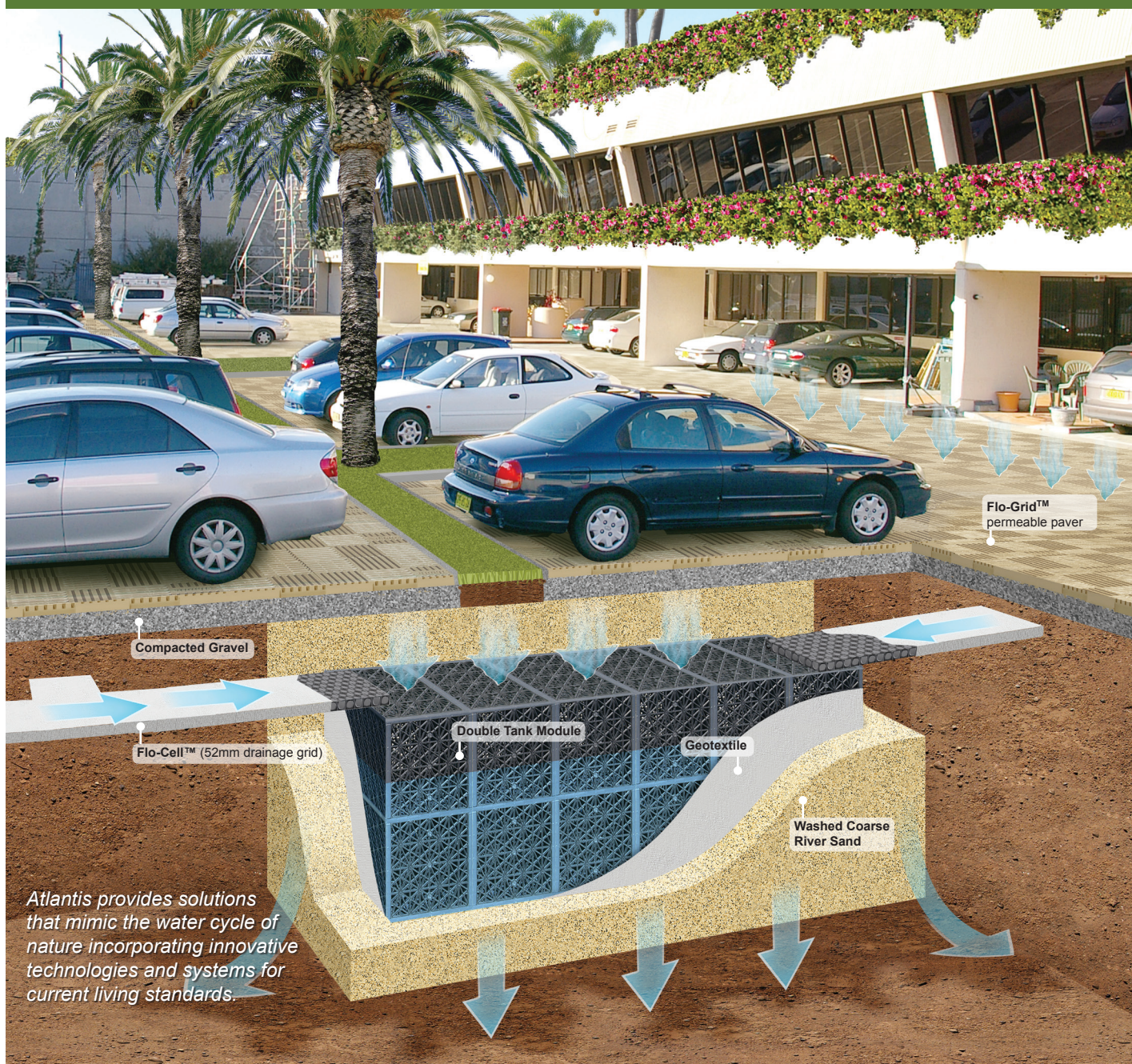
0% RUNOFF

Atlantis system: Stormwater management in industrial areas. All water is collected onsite and stored for reuse or infiltrated for ground water table recharge.

- | | | | |
|---|-----------------------------|---|-------------------|
|  | = Rainwater Harvesting Tank |  | = Clean waterways |
|  | = Infiltration Tank |  | = Roofgardens |
|  | = Underground Channel | | |



Atlantis industrial areas





Note: Atlantis products are manufactured from high quality recycled materials, carefully selected and under strict quality control procedures. The strength could vary slightly due to raw material, country of manufacture, manufacturing process and external conditions. All trademarks are the property of Atlantis Corporation Pty Ltd Australia.

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Atlantis Water Management

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