

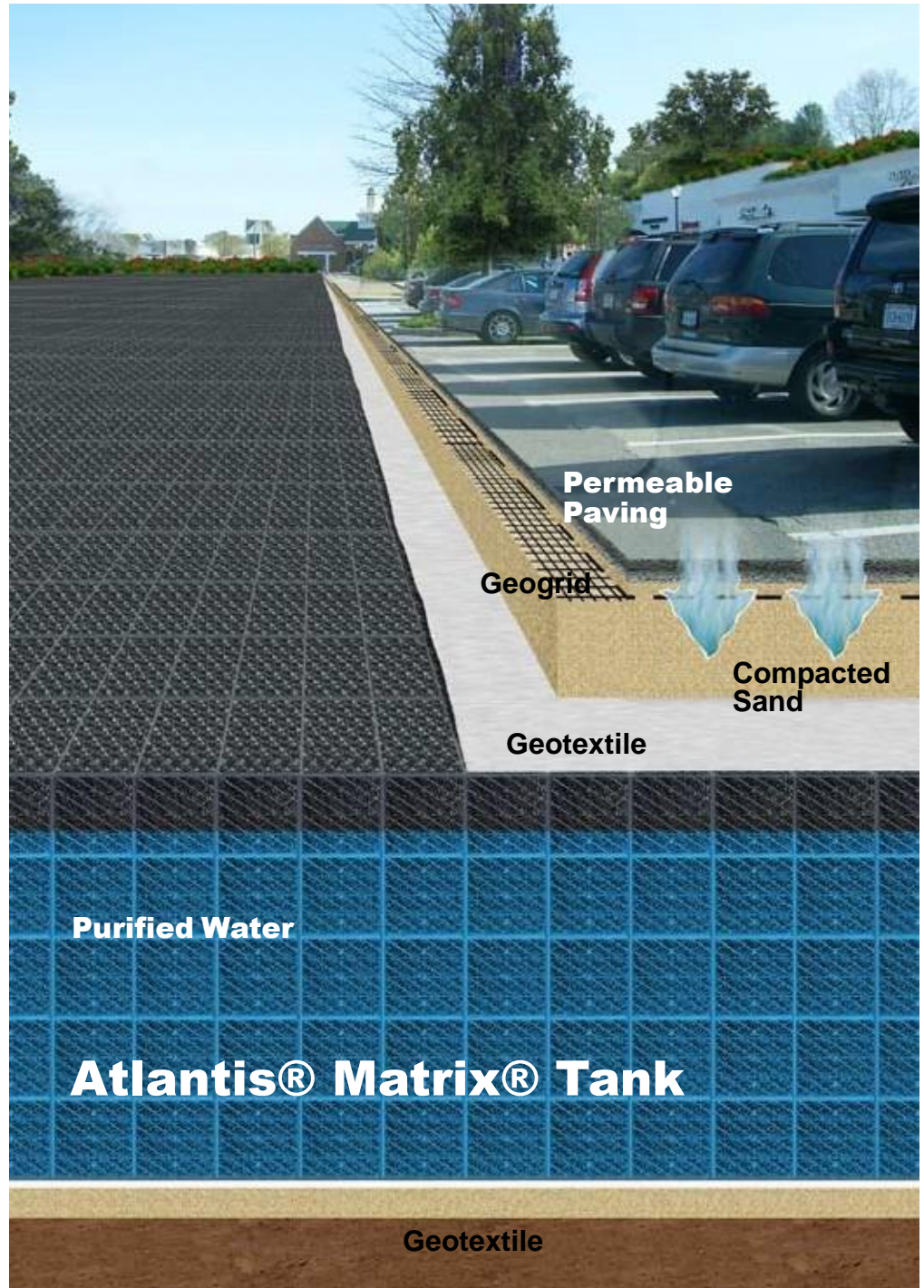
VA, USA



Mega storm water tank under a permeable parking lot in Virginia USA.

Atlantis' largest underground stormwater tank installation under a parking lot.

The USA is rapidly adopting new environmental engineering technologies in order to replenish water resources, avoid urban flooding and to eliminate water contamination that contributes to the global warming effect.



There is a growing concern over the depletion of our nation's most precious resource, drinking water, and the ever increasing regulatory control of storm water management. The challenge for designers is trying to meet these shifting environmental needs while also meeting the needs of both the owner and the community at large. In the Chesapeake Bay area, storm water runoff is the biggest source of pollution and is often linked to increasing amounts of "impervious surfaces" such as conventional parking lots.

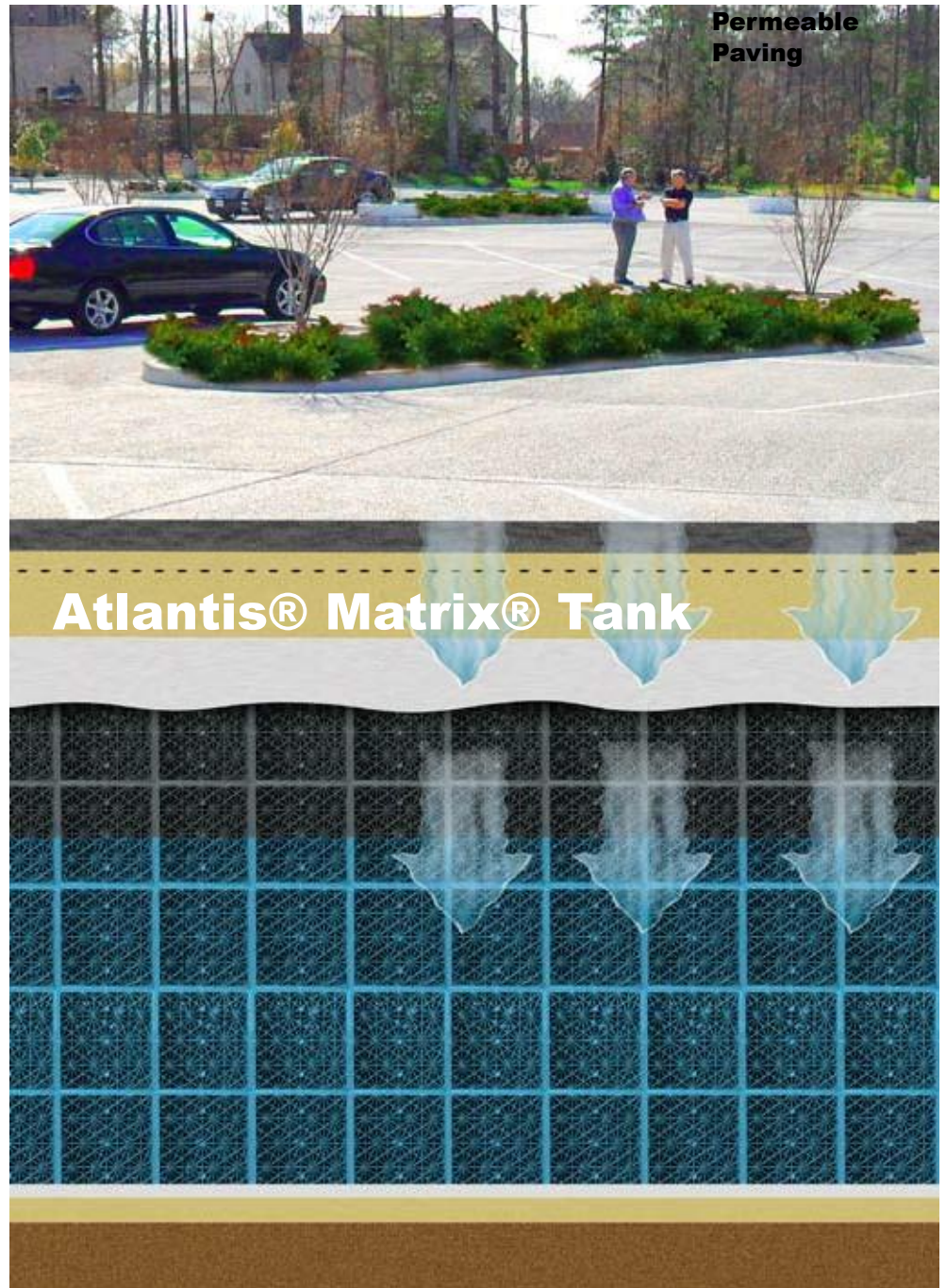
A major environment breakthrough in Water Management

Atlantis Mega Storm Water Tank



One of the world's largest environmental underground storm water tanks is installed under a parking lot in Virginia USA using the Atlantis Matrix® (Flo-Tank) system. The valuable water is being purified and recycled in a responsible manner.

The Atlantis solution saved, in the long term, millions of dollars with this environmental solution.





A world record in the single largest construction with Atlantis[®] Matrix[®] Tank

The project team sought a balance between two forces frequently at odds with each other - economic development and environmental protection. "Finding and investing in such a green compromise", said state Sen. Thomas K. Norment, R-Williamsburg, "is not always a characteristic you see in the development community."





Project Details

- 1) The job was a major shopping center expansion which called for approximately 340,000 cubic feet (9627.7 CUM) of underground detention, equivalent to the volume of practically 4 Olympic swimming pools.
- 2) Most of the volume was installed to replace an existing pond that was previously on the site. Additional volume beyond what was held in the pond was required due to the additional retail & parking space.
- 3) The cover materials over the Atlantis Matrix Tank was an open-graded stone (not sand)
- 4) The project had to be done VERY QUICKLY in order to get the new stores open in time. To meet the schedule they had crews of up to 25 people working long days to assemble and install about 20,000 cubic feet (566.3 CUM) per day.
- 5) The Atlantis Matrix Tank was the best option for the project because it minimized the disturbance to the site and to the existing tenants/stores which stayed open throughout construction.

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.

SafetyFactors: Engineers, designers and geotechnical engineers should design and calculate safety factors to a serviceable limited state to suit specific project. In case of doubt, consult your nearest distributor or Atlantis representative.

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Atlantis Water Management

3/19-21 Gibbes Street Chatswood NSW 2067 Australia

phone - (02) 9417 8344 email - info@atlantiscorp.com.au
fax - (02) 9417 8311 web - www.atlantiscorp.com.au

Agent