

*Turf Reinforcement*

Project Location	Jacksonville Doctor's Office Parking Lot, FL, U.S.A.	Completion Date	October 2004
Project Details	Turf Cell installation for a carpark		



### The Problem

Patients arriving at this Doctor's Professional Building parked in the grass lot next to the office. During wet weather the lot became excessively muddy, creating difficulty for both vehicular and pedestrian traffic. The property manager submitted an application for a permit to pave the lot, but he was denied by the city because of the additional runoff that would be created.

### The Solution

To avoid creating further parking problems, reconstruction of the 25,000 square foot (2323 m<sup>2</sup>) parking lot was completed over a single weekend. The lot was excavated and a porous base was placed and compacted. Turf Cell, a new porous pavement unit from Atlantis Water Management Solutions, was installed. The Atlantis<sup>®</sup> Turf Cell<sup>®</sup> will allow the lot to keep its attractive grass finish while preventing the grass from rutting. At the same time it will allow rainwater to infiltrate through the pavement. With a thickness of 2.05 inches (52mm), the Atlantis<sup>®</sup> Turf Cell<sup>®</sup> protects the grass by preventing compaction of the top-soil. It is also the only porous paver that has lateral openings within the unit allowing rhizomatous grasses to spread.

**Storage Area: 2323 m<sup>2</sup> (25,000 sf)**



*Preparing the sandy base of the Atlantis<sup>®</sup> Turf Cell<sup>®</sup> installation.*



*The Atlantis<sup>®</sup> Turf Cell<sup>®</sup> installed in place.*



*Completed installation.*

**Note:** Atlantis<sup>®</sup> 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.

**Safety Factors:** 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

### HEAD OFFICE:

3/19-21 Gibbes Street, Chatswood, NSW 2067, Australia

PHONE: + 612 9417 8344 • FAX: + 612 9417 8311

AUSTRALIA WIDE PHONE NO.: 1300 38 28 38

EMAIL: [info@atlantiscorp.com.au](mailto:info@atlantiscorp.com.au) • WEB: [www.atlantiscorp.com.au](http://www.atlantiscorp.com.au)

### Atlantis Water Management Victoria

30 Venture Drive, Sunshine, VIC 3020 Australia

PHONE: 1300 38 28 38

Agent: