LID
for
INDEPENDENCE PARKWAY
(Precinct Two)
HARRIS COUNTY PUBLIC INFRASTRUCTURE
Architecture and Engineering
Green Road Concept

- **Structural Design**: Ensures structural integrity of road and supports shear loads.

**Macrophyte Plants**
1st Stage: Macrophytes absorb Nitrates & Phosphates.

**EcoSoil**
2nd Stage: EcoSoil biologically engineered soil captures, treats and filters nutrients and biologically breaks down toxic elements.

**Matrix™ Tank Module**
3rd Stage: Clean water infiltrates into Matrix™ tank modules where continuous aeration and filtration through surrounding EcoSoil biologically engineered soil occurs.
Underground System
(Examples)
Underground System

Ecological Roads
Aggregate Swales

Highway Installation
Macrophytas or native grass to be planted over swale

Atlantis 52mm Drainage Cell

Compacted Permeable Soil

Atlantis Geotextile

Atlantis Tank Modules (D-RaIntank/Matrix)
TYPICAL SECTIONS FOR
MAJOR THOROUGHFARES OR DOUBLE ROADWAYS
FOR LOW IMPACT DEVELOPMENTS
FINAL PRODUCT