

Professional Services Building

Architect/Engineer:	ICON Architectural Group
Civil Engineer :	AE2S
General Contractor:	Construction Engineers
Paving/Landscaping:	Opp Construction
Ready Mix Supplier:	Aggregate Industries

SUSTAINABLE DESIGN CATEGORY



Congratulations to Advanced Engineering and Environmental Services and Icon Architectural Group as they enjoy their first year in a new corporate headquarters. The project achieved a LEED Gold Certification through the application of innovation and green practices in reducing their environmental footprint in development.

As part of the LEED application, the site was recognized for green practices in handling storm water generated from the

site. Through a combination of pervious pavement surfaces and a retention pond, the storm water was collected and treated to the highest nominal level before discharge into the city storm sewer system. Not only does the system reduce sediment and other contaminants from the onsite storm water, the pervious services were able to filter suspended solids prior to entrance into the pond. Many times pervious pavement is used to cool storm water prior to discharge, reducing the impact of heated runoff from roofs and pavements. The Red River has a history of fish kills caused by urban runoff issues due to heat and contaminants in the storm water.

Opp Construction was given the task to complete the site paving portion of the project. The contractor constructed two types of permeable pavement surfaces as part of the storm water collection system. One consisted of precast concrete turf reinforcement blocks which, from a distance, look like normal turf. However, through the use of a concrete matrix surrounding cells of soil, the surface is useful for daily traffic without compaction and deterioration of permeable soils and turf. The other permeable surface was constructed of permeable style paving stones.

Other project components required an additional 1,000 cubic yards of concrete, both plain and integrally colored.

