



## Green Hunter Biofuels

Houston, Texas

**The Geopier GP3® system provided significant cost and time savings compared to alternatives**

**Description:** This project involved the construction of a total of ten storage tanks. Eight of the storage tanks were 60 foot in diameter and 50 foot in height. The remaining two tanks constructed were 85 foot diameter by 50 foot tall.

**Subsurface Conditions:** The subsurface conditions consisted of soft clay to sandy clay fill with wood and obstructions extending to depths of 15 to 20 feet over loose silty sand to depths of 30 to 35 feet. Underlain by very stiff silty clay extending to the maximum explored depth of 45 feet. Groundwater was encountered at a depth of approximately 3 feet.

**Geopier Solution:** Six feet of fill was placed prior to installation of the Rammed Aggregate Pier® (RAP) elements. The piers used to support the ten new storage tanks were 30 inches in diameter and 21 feet long. Within in 3-1/2 months a total of 1,680 RAP elements were installed.



### PROJECT TEAM

**Owner:**

Green Hunter Biofuels, Inc.

**Geotechnical Engineer:**

Tolunay-Wong Engineers

**Structural Engineer:**

Boris Moiseyev

**Geopier Installer:**

Peterson Contractors, Inc.

**Geopier Designer:**

GFC-Houston