

Ocala Meadow Farms

Ocala, Florida



ENVIRONMENTAL
PLANNING
DESIGN &
PERMITTING

Project: Mining

Project overview:

Modica & Associates obtained an ERP from the Florida Department of Environmental Protection (FDEP), Bureau of Mine Reclamation, authorizing reinstatement of operations at this former limestone mine located in Marion County, Florida. The FDEP permit authorized limestone extraction within ± 3.12 acres of low-quality forested wetlands, ± 20 acres of surface waters and ± 660 acres of uplands.

The wetland mitigation plan, designed by Modica & Associates, includes creation of a ± 2.75 acre wetland marsh within the reclaimed mine pit. Modica & Associates installed an on-site piezometer at the onset of mining, which will collect water level fluctuation data. This data will be consulted prior to initiating wetland mitigation construction to ensure that the created wetland is designed to receive adequate hydrology.

The reclamation plan, also designed by Modica & Associates, includes native vegetative species and a 10% forested component. The goal of the reclamation plan is to accommodate an ecologically and economically practical post-mining land use.

A General Industrial Wastewater Permit for Sand and Limestone Mines was obtained from the FDEP Southwest District, involving approval of an ongoing surface and groundwater monitoring program to monitor the effects of mining on water quality. The water quality monitoring program has been implemented by Modica & Associates.

