
City of Bonita Springs

Rawl Report

*Engineering Analysis for Properties Designated
within the City of Bonita Springs as "Density
Reduction / Groundwater Resource" (DR/GR)*

Executive Summary

August 22, 2008

The study entitled *Engineering Analysis for Properties Designated within the City of Bonita Springs as "Density Reduction / Groundwater Resource" (DR/GR)*, prepared by Greg F. Rawl, P.G., was an analysis of the City's DR/GR area encompassing many factors. The actual geographic boundaries of the study area were broader than the city limits. The study area boundaries were: approximately 175 to the west, the undeveloped lands within Lee County to the north, the Corkscrew Regional Ecosystem Watershed to the east, and Bonita Beach Road to the south. They included approximately 4,740 acres of city lands and encompassed 6,030 acres in total.

The preconditions of the lands within the study area were presented as well as existing environmental conditions, existing land use, geologic and hydrologic conditions, water quality plus evaluation of Future Land Use alternatives. Key recommendations from the study focused on Best Management Practices during stormwater treatment involving prevention and reduction of pollutants combined with the capture and treatment of water pollutants. Equally important were recommendations that stressed an optimization of groundwater recharge for this area through clustering of development, the use of TDRs and pursuit of potential watershed wide stormwater treatment systems within the study area.