



MASTER PLANNING AND SITE DESIGN

PROJECT LOCATION:

IFAS Grove Site Design – Gainesville, Florida

EXPERIENCE OF:

Mitchell Gullledge Engineering, Inc.

ROLE IN PROJECT:

Prime Professional, Electrical & Plumbing Design

CONSTRUCTION COST

\$750,000

COMPLETION DATE

June 2020

PROJECT STAFFING

Project Manager:

Craig Gullledge, PE, CxA

Plumbing Lead:

Andrew Mitchell, PE, CxA

Electrical Lead:

Andy McCaddin, PE, RCDD

Electrical Designer:

Beth Flick

PROJECT OWNER

University of Florida IFAS Facilities

Planning and Operations

Sean Mountain

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BUILDER

The Brentwood Company

Brent Taylor

101 SW 140th Terr Ste A

Newberry, FL 32669

PROJECT ENGINEER

Mitchell Gullledge Engineering, Inc.

Craig Gullledge, PE, CxA

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Gainesville, FL 32601

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PROJECT SUMMARY:

Mitchell Gullledge Engineering was contracted by the University of Florida IFAS Facilities Planning and Operations Department to develop a master site plan and provide engineering design and construction administrative services for those new site utilities. The master plan encompassed several distinct planning, coordination, and execution components. These components included close coordination with UF IFAS Facilities, extensive field survey verification, Code review with UF EH&S, engineering analyses for different scope alternatives, and budgetary forecasting for capital planning. The new site utility design scope of work included new power and water distribution systems to serve a new site pump house, new well pump, existing well pump, and several existing greenhouses over several phases as funding became available for design and construction. Mitchell Gullledge Engineering provided construction administrative services included submittal reviews, construction site inspections, and as-built documentation.

This project is an excellent example of our ability to plan and execute a comprehensive utility site design that encompasses many new and existing infrastructures. A particular challenge with this project was the limited as-built documentation. Each existing facility and system had to be meticulously surveyed to ensure all existing conditions were known to provide accurate design parameters and analyses. This pre-design survey effort proved invaluable during construction from a construction feasibility stance. As the prime professional, Mitchell Gullledge Engineering coordinated extensively with UF IFAS Facilities and the project's construction manager, The Brentwood Company. This level of coordination also helped to ensure a smooth construction period free from schedule delays or budgetary impacts. From individual building design to holistic campus planning, the Mitchell Gullledge Engineering team is experienced and qualified to take on any project. The breadth of our design experience and consultant capabilities is extensive. We cannot wait to share our knowledge and make a difference on all projects.

