

Christopher J. Howson
P.S.M., Vice President

Name of Company	Office Location	Years Experience
JCH Consulting Group Inc.	Ocala, FL	20
Education / Certifications / Registration		
Bachelor of Science from the College of Engineering in Geomatics Professional Surveyor & Mapper State of Florida, LS 6553 Professional Surveyor & Mapper State of Mississippi, LS 3171 ASPRS Certified Flood Plane Manager, Certificate No 0904406		
Description of Related Experience		
<p>Specific Purpose Survey, Lakeview Hills Water Supply Design, Marion County, FL- Serving as project manager and lead Surveyor & Mapper for Water main extension for Marion County Utilities Department. Completed Right of Way survey of approximately 30,000 linear feet, topography of existing conditions within specified area for new water main. In conjunction with Right of Way map R.M. Barrineau also, prepared Sketches of Descriptions for Utility Easements, and 30 Specific Purpose Surveys for parcels along route.</p>		
<p>Specific Purpose Survey, Ocala Meadows Force Main & Reuse Extension, Marion County, FL- Serving as project manager and lead Surveyor & Mapper for Force Main & Reuse extension for City of Ocala Water & Sewer Department. Completed Right of Way survey of approximately 21,000 linear feet, topography of existing conditions within specified area for new force main.</p>		
<p>Boundary & Topographic Survey, Stone Creek by Del Webb, Marion County, FL- Serving as project manager and lead Surveyor & Mapper for Boundary and Topographic Survey for approximately 1500 acres for design of multiple subdivision phases, stormwater ponds and golf courses; prepare and submit preliminary and final plat packages for each subdivision phase to Marion County Transportation Department.</p>		
<p>Boundary Survey, Ocala Meadow Farms, Taylor County, FL- Serving as project manager and lead Surveyor & Mapper of Boundary Survey of 12,006 acres in 28 different Sections in Taylor County, Florida.</p>		
<p>Boundary Survey, Sleep Creek, Marion County, FL- Serving as project manager and lead Surveyor & Mapper of Boundary Survey of 24,000 acres in five separate land transactions from 2010-2012. The surveys required extensive research of original GLO surveys and retracement of original boundaries. Additionally, reviewed and plotted Sketches of title documents for thousands of mineral right reservations.</p>		
<p>Boundary, Topographic, Hydrographic, Quantity, and Specific Purpose Surveys, Florida Rock/Vulcan Materials Company, FL- Serving as project manager and lead Surveyor & Mapper of Boundary Survey, Topographic Survey, Hydrographic Survey, Quantity Survey, and Specific Purpose Surveys across the State of Florida at various mining locations.</p>		
<p>Construction Layout and Asbuilt Survey, Marion County School Board, Marion County, FL- Serving as project manager and lead Surveyor & Mapper of Construction Layout Surveys, Asbuilt Surveys, and Quality Assurance for various projects in Marion County including Forest High School, Hammett Bowen Elementary, Elementary T, Elementary CC, Elementary U, and Legacy Elementary.</p>		
<p>Construction Layout and Asbuilt Survey, Marion County, FL- Serving as project manager and lead Surveyor & Mapper of Construction Layout Surveys, Asbuilt Surveys, and Quality Assurance for various projects in Marion County including Wrigley Fields, Carney Island Park, Marion County Judicial Center, Marion County Operations, Marion County Livestock Pavilion, Marion County Growth Management, and Marion County Communication.</p>		

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Expert Witness, Taylor vs. Finley, Marion County, FL- Serving as project manager and lead Surveyor & Mapper provided Expert witness for boundary dispute between two property owners. Prepare court exhibits and review chain of title to determine Senior Rights.

Topographic Survey, Orange Creek & Rodman Reservoir Watershed Management Program, Marion County, FL- Serving as project manager and lead Surveyor & Mapper of Topographic Survey including collection of Pipe Barrels, Bridges, and Cross Sections at provided. We collected 428 Pipe Barrel structures. The feature data collected for the Pipe Barrels were size, shape, length, material, horizontal location, invert elevation, and type of inlet. We provided a Specific Purpose Survey for two bridges to include vertical embankments, vertical abutments, piers, roadway, low chord, guardrails, and three cross sections. Also collected was topographic data for 19 Cross Sections, including data at fifty feet in each direction from the Top of Bank and at all changes in slope. We collected the data using Trimble dual frequency GPS receivers with GLONASS on the Trimble Virtual reference network. The deliverable for Pipe Barrels was attribute data in electronic spreadsheet format referenced to the same classifications in the provided geo-database file, shape files containing each feature with all attribute data, point files, and feature evaluation forms including photographs. The deliverable for Bridges and Cross Sections was point data and feature evaluation forms including photographs.

Topographic Survey, City of Ocala Water & Sewer GIS Phase 3, Marion County, FL- Serving as project manager and lead Surveyor & Mapper of Topographic Survey of all Water & Sewer facilities throughout a specified area in the City of Ocala. Collection data was based on specified attributes to determine locations horizontally and vertically, condition, size, type, for GIS asset inventory. The deliverable for Water & Sewer facilities were attribute data in electronic spreadsheet format referenced to the same classifications in the provided geo-database file, shape files containing each feature with all attribute data, point files, and photographs.

Horizontal and Vertical Control Survey, Ashley Farms PUD, Marion County, FL- Serving as project manager and lead Surveyor & Mapper of completed Horizontal and Vertical Control Survey for 690 acre residential project for Photogrammetric Survey, Boundary Surveys, and Topographic Surveys.

Description of Software Familiarity and Significant Accomplishments

Software

- AutoCAD Civil 3D 2013
- Leica Geo-Office
- Trimble Business Office
- Spectra Precision Survey Office
- TDS
- Carlson
- ArcGIS 10

Affiliations

- District 2 State Director of the Florida Surveying & Mapping Society
- Past President, Vice President, Treasure of the Florida Surveying & Mapping Society
- Association of State Flood Plain Managers
- National Society of Professional Land Surveyors and American Congress of Surveying and Mapping
- Urban and Regional Information Systems Association