

# **HEDRICH ENGINEERING, INC.**

**CIVIL ENGINEERING**

**Brad C. Hedrich, P.E.**

**President**

**10981 Bonita Beach Road, Bonita Springs, Florida 34135**  
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**Web Site: [www.HedrichGroup.com](http://www.HedrichGroup.com)**

# HEDRICH ENGINEERING, INC.

Hedrich Engineering, Inc. was founded in Florida on March 2, 1998 by Brad C. Hedrich, P.E., President. Our goal is to provide clients with quality design services for a reasonable fee. We offer clients the personal service and low overhead of a small design firm with the experience of a larger company.

## OUR TYPICAL PROJECTS:

- Planned Developments
- Single and Multiple Family Subdivisions
- Commercial Developments
- FDOT Transportation Projects
- Eminent Domain
- Master Utility Systems
- Parks and Recreation Projects
- Mitigation Banks
- County and City Transportation Projects
- Expert Witness

## SERVICES WE PROVIDE:

### Land Development

- Drainage and Stormwater Design
- Roadway Design
- Utility and Master Irrigation Design
- Engineer's Cost Analysis
- Permitting (Local, State and Federal)
- Site and Landscaping Layout
- Feasibility Studies
- Technical Specifications
- Construction Inspection
- Construction Certification

### Transportation

- Horizontal and Vertical Geometry Design
- Drainage Design and Plans Production
- Signing and Pavement Marking Design and Plans Production
- Traffic Control Design and Plans Production
- Roadway Plans Production
- Guide Sign Design
- Utility Adjustments Coordination and Plans Production
- Quantity Computations

We also coordinate with subconsultants to provide planning, surveying, geotechnical, environmental, landscape architecture and structural services necessary to complete project design. Once design is sufficiently complete, we can then assist clients with permitting a project with the various water management districts, counties, cities, FDEP (Florida Department of Environmental Protection), ACOE (Army Corps of Engineers), FDOT (Florida Department of Transportation), utility companies and other permitting agencies. We are familiar with FDOT design, plans production and quantity computation methods.

## SOME OF THE COMPUTER PROGRAMS WE USE:

- Microstation (Computer Aided Design Drawing)
- StormCad (Storm Sewer Pipes)
- FlowMaster (Hydraulics)
- ITE Trip Generation (Traffic)
- Microsoft Project (Project Scheduler)
- Geopak Civil Design Program
- PondPack (Water Management)
- WaterCad (Pressure Pipes)
- AutoTurn (Roadway/Parking Lot)
- Microsoft Office

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**Brad C. Hedrich, P.E.**  
**President**

Brad C. Hedrich, P.E., President of Hedrich Engineering, Inc., has worked on a wide variety of projects such as large planned developments, major Florida Department of Transportation and county transportation projects, community parks, residential and commercial developments, master utility systems, mitigation banks and beach projects. He is experienced in managing projects, designing drainage, stormwater, utility and roadway systems, coordinating with agencies and sub-consultants and assisting clients through the various permitting processes. He is also skilled at designing and producing plans for FDOT roadway, drainage and signing and pavement marking systems, designing traffic control plans and guide signs, coordinating and producing plans for utility adjustments, establishing horizontal and vertical geometry and performing quantity computations and cost estimates. He has also served as a civil engineering expert for eminent domain cases.

Brad is skilled in the use of the following computer programs: Microstation, Geopak, PondPack, StormCad, WaterCad, FlowMaster, AutoTurn, AdICPR, Enercalc, Microsoft Project, Microsoft Office, Microsoft FrontPage and a variety of other programs.

Brad C. Hedrich is also a Florida licensed Certified Building Contractor and employed as an Executive Vice President of Hickory Homes, Inc., a construction company located in Bonita Springs, Florida. Hickory Homes, Inc. has been building single family, multiple family and commercial buildings in the Southwest Florida area since 1976. Brad is also a Florida licensed Real Estate Broker and Executive Vice President with Pollard & Hedrich Realty, Inc. and Hedrich Realty, Inc. Pollard & Hedrich Realty, Inc. has been providing real estate services in Southwest Florida since 1976. Hedrich Engineering sees Brad's working for a construction and real estate company as an asset as it provides valuable experience dealing with the development process and the costs involved.

**Professional Registration**

Florida Registered Professional Engineer, FL PE #52657  
Florida Certified Building Contractor, FL #CBC1250617  
Florida Real Estate Broker, FL #BK696463 and #3246158

**Education**

University of Florida  
Bachelor of Science in Civil Engineering, 1992

Attended Cornell University, Summer 1987, Fall 1988 and Spring 1989

**Brad C. Hedrich, P.E.**

**SELECTED ACCOMPLISHMENTS:**

**(Project Name, County, Title, Responsibilities, Employer at time of project)**

**Planned Developments:**

- Delasol (A.K.A. Villages of Madeira) (146 Acres, 290 dwelling units), Collier County, Principal in Charge, Responsibilities included all aspects of civil engineering design, permitting and plans production, Hedrich Engineering, Inc.
- Vista Lakes PUD (947 Acres, 2096 dwelling units, 400,000 Sq. Ft. office and commercial), Orange County, Project Engineer, Responsibilities included all aspects of civil engineering design and plans production, BSA (Bowyer-Singleton & Associates, Inc.)

**Single and Multiple Family Subdivisions:**

- Palmesta (52 unit multiple family development), City of Bonita Springs, Lee County, Principal in Charge, Responsibilities included all aspects of civil engineering design, permitting and plans production, Hedrich Engineering, Inc.
- Floresta (future residential development), City of Bonita Springs, Lee County, Principal in Charge, Responsibilities included all aspects of preliminary civil engineering design, permitting and plans production, Hedrich Engineering, Inc.
- Morton Grove Phases 10, 11, 12 and 13 (44 unit multiple family development), City of Bonita Springs, Lee County, Principal in Charge, Responsibilities included all aspects of civil engineering design, permitting and plans production, Hedrich Engineering, Inc.
- Estero Verde (10 Acres, 33 single-family homes), Lee County, Principal in Charge, Responsibilities included all aspects of civil engineering design, permitting and plans production, Hedrich Engineering, Inc.
- Estero Palms (5 Acres, 16 single-family homes), Lee County, Principal in Charge, Responsibilities included all aspects of civil engineering design, permitting and plans production, Hedrich Engineering, Inc.
- Champney Bay Properties (5 PD rezones and GDSP submittals), City of Naples, Principal in Charge, Responsibilities included project supervision, Hedrich Engineering, Inc.
- Barefoot Bay Replat and Turnover (A.K.A. Spoonbill Cove) (9 single-family homes), Collier County, Principal in Charge, Responsibilities included project supervision, Hedrich Engineering, Inc.
- The Cottages at Barefoot (15 beach homes), Collier County, Project Manager, Responsibilities included FDEP CCCL permitting, Hedrich Engineering, Inc.
- Morton Grove Phases 8 and 9 (100 unit multiple family development), City of Bonita Springs, Lee County, Principal in Charge, Responsibilities included all aspects of civil engineering design, permitting and plans production, Hedrich Engineering, Inc.
- Lost Lake Subdivision (45 acre single family subdivision), Seminole County, Project Engineer, Responsibilities included all aspects of civil engineering design and plans production, BSA
- HUD CDBG Project Subdivisions in Harlem Heights, Lee County, Project Engineer, Responsibilities included all aspects of civil engineering design and permitting, WM (Wilson Miller)

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### **Commercial Developments:**

- Hedrich Plaza (17,300 square feet office), City of Bonita Springs, Lee County, Principal in Charge, Responsibilities included all aspects of civil engineering design, permitting and plans production, Hedrich Engineering, Inc.
- Key Marco Clubhouse (A.K.A. Horr's Island) (3,800 s.f. Clubhouse), City of Marco Island, Collier County, Principal in Charge, Responsibilities included all aspects of civil engineering design, permitting and plans production, Hedrich Engineering, Inc.
- Christus Victor Lutheran Church (Wastewater Lift Station), Collier County, Principal in Charge, Responsibilities included all aspects of civil engineering design, permitting and plans production, Hedrich Engineering, Inc.
- House of Hope (Preliminary Site Layout), City of Gainesville, Principal in Charge, Responsibilities included project supervision, Hedrich Engineering, Inc.
- Cardiovascular Associates of Naples (Drainage and Utility Design for Building Addition), City of Naples, Principal in Charge, Responsibilities included project supervision, Hedrich Engineering, Inc.
- Weeks Commercial Building, City of Celebration, Project Engineer, Responsibilities included all aspects of civil engineering design and plans production, BSA
- LaQuinta Inn, Hollywood, Florida, Project Engineer, Responsibilities included all aspects of civil engineering design and plans production, BSA
- Cedar Creek Sales Trailer, City of Bonita Springs, Lee County, Project Engineer, Responsibilities included all aspects of civil engineering design and permitting, WM
- Spring Creek Elementary Concession Facility, City of Bonita Springs, Lee County, Project Engineer, Responsibilities included all aspects of civil engineering design and permitting, WM

### **Eminent Domain:**

- Southern Corkscrew Regional Ecosystem Watershed (So. CREW) Critical Project (Eminent Domain Taking), City of Bonita Springs, Lee County, Principal in Charge, Responsibilities included Civil Engineering Support Services such as Information Gathering, Review, Design, Recommendations, Testimony and Preparation for Eminent Domain Taking of Multiple Properties within So. CREW, Hedrich Engineering, Inc.
- C.L. Hall Eminent Domain (Bonita Beach Road Widening) (Eminent Domain Taking), City of Bonita Springs, Lee County, Principal in Charge, Responsibilities included Civil Engineering Support Services such as Preparation of Exhibits, Information Gathering, Review, Design, Recommendations, Testimony and Preparation for Eminent Domain Taking of portion of C.L. Hall property for Bonita Beach Road Widening, Hedrich Engineering, Inc.

### **Master Utility Systems:**

- Pine Haven Force Main Design and WWTP Turnover, City of Bonita Springs, Lee County, Principal in Charge, Responsibilities included project supervision, Hedrich Engineering, Inc.
- Vista East Regional Potable Water and Wastewater System, (20,000 LF of potable water main 12" or larger and 24,500 LF of force main 10" or larger) Orange County, Project Engineer, Responsibilities included all aspects of civil engineering design and plans production, BSA
- MetroWest PD Irrigation System Redesign, Orange County, Project Engineer, Responsibilities included all aspects of civil engineering design and plans production, BSA
- Highland Woods Reclaimed Water Irrigation System Study, City of Bonita Springs, Lee County, Project Engineer, Responsibilities included engineering calculations of Bonita Springs Utilities reclaimed water irrigation system to determine availability and piping design for Highland Woods project, WM

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### **Parks and Recreation:**

- Soccer Palace (Parking Lot Design), City of Bonita Springs, Lee County, Principal in Charge, Responsibilities included all aspects of civil engineering design, plans production and permitting, Hedrich Engineering, Inc.
- Phuket Fantasea Theme Park Site Design (Metric project), Phuket, Thailand, Project Engineer, Responsibilities included all aspects of civil engineering design and plans production, BSA
- North Fort Myers Community Park, Lee County, Project Engineer, Responsibilities included all aspects of civil engineering design and permitting, WM
- Bonita Beach Access #1, Beach Park, City of Bonita Springs, Lee County, Project Engineer, Responsibilities included all aspects of civil engineering design and permitting, WM
- Bonita Beach Access #10, Beach Park, City of Bonita Springs, Lee County, Project Engineer, Responsibilities included all aspects of civil engineering design and permitting, WM
- Beach Access Improvements, Lee County, Project Engineer, Responsibilities included all aspects of civil engineering design and permitting, WM
- Lakes Park Fragrance Garden, Lee County, Project Engineer, Responsibilities included all aspects of civil engineering design and permitting, WM

### **Mitigation Banks:**

- The Florida Mitigation Bank (Approx. 1600 acre federal and state mitigation bank, Osceola County, Project Engineer, Responsibilities included drainage design and plans production, BSA

### **Orange County:**

- Lee Vista Boulevard Extension (4.2 miles of 4 lane urban roadway with future 6 lanes), City of Orlando and Orange County, Project Engineer, Responsibilities included all aspects of civil engineering design and plans production, BSA
- Econlockhatchee Trail Extension (2.3 miles of 2 lane urban roadway with future 4 lanes), Orange County, Project Engineer, Responsibilities included all aspects of civil engineering design and plans production, BSA
- Chickasaw Trail Extension (1.1 miles of mixed 2 and 4 lane urban roadway), Orange County, Project Engineer, Responsibilities included all aspects of civil engineering design and plans production, BSA

### **Florida Department of Transportation, District Two:**

- State Road 500, US 19 (Chiefland) to County Road 339A, Levy County, Project Engineer, Responsibilities included horizontal and vertical geometry revisions, minor drainage design and plans production, roadway plans production, utility adjustments coordination and plans production, signing and pavement marking design and plans production, traffic control design and plans production, guide sign design and quantity computations, BSA
- State Road 500, County Road 339A to State Road 24 (Bronson), Levy County, Project Engineer, Responsibilities included horizontal and vertical geometry revisions, minor drainage design and plans production, roadway plans production, utility adjustments coordination and plans production, signing and pavement marking design and plans production, traffic control design and plans production, guide sign design and quantity computations, BSA

### **Florida Department of Transportation, District Five:**

- State Road 528, Maintenance Drainage Project, C.R. 515 to S.R. 401, Brevard County, Project Engineer, Responsibilities included drainage and revetment design and plans production, BSA