

RESUME

JOHN C. LANDON, P.E.

REGISTRATION: Professional Engineer - State of Florida

EXPERIENCE SUMMARY:

Thirty-eight years experience in the environmental, water resources, and land development engineering fields with emphasis on project management.

Experience in planning, designing, and managing construction of large residential, commercial and industrial land development projects.

Experience in all aspects of water resource planning from facility "201" to "208" area-wide planning to "303(e)" basin planning. Conceptual design and cost-effectiveness evaluation of regional wastewater collection, treatment and disposal systems.

Experience in writing and managing environmental impact reports, interfacing with local, state, and federal agencies.

Extensive computer modeling and data management background: development of river and estuarine water quality models, water and waste water generators, optimization models for cost-effective trunk line routing, and several data management systems.

EMPLOYMENT HISTORY:

1985 - Present	Landon, Moree & Associates, Inc. fka John C. Landon & Associates, Inc. President
1984 - 1985	Tampa Bay Engineering, Inc. President
1977 - 1983	Post, Buckley, Schuh & Jernigan, Inc. Corporate Director of Water Resources Assistant Regional Manager, Clearwater Office Project Manager
1975 - 1977	Roy F. Weston, Inc. Project Manager
1972 - 1975	Frederic R. Harris, Inc. Project Engineer
1970 - 1972	State of Florida Systems Analyst / Water Quality Modeler

CREDENTIALS:

B.S., Water Resources Engineering
University of South Florida (1972)

American Society of Civil Engineers
American Water Resources Association
American Water Works Association
American Arbitration Association Arbitrator
Florida Engineering Society
National Association of Environmental Professionals

Certified Open Water Scuba Diver
Instrument Rated Commercial Pilot
U.S. Coast Guard Masters License

KEY PROJECT EXPERIENCE AS PROJECT MANAGER:

Private Development

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Beacon Apartments - Permitting, construction plans, and construction observation for 200 - unit apartment site. Site constraints included large amount of trees and stormwater discharge to a known sinkhole, which triggered 100-year retention requirements.

Culbreath Cay - Permitting, construction plans, and construction observation of 12 - acre waterfront site on Tampa Bay. Involved reactivation of previous marina maintenance dredging permit, as well as interaction with the Tampa Port Authority and the U.S. Coast Guard.

Bilgore Tract - Permitting, construction plans, and construction observation of 139 - unit multi-family tract in Palm Harbor, Florida. Included Master Drainage Plan, which addressed "closed basin" constraint. Eventually required to jack and bore a 16" DIP outfall to adjacent lake system.

The Crossings - Construction plans, permitting, variance presentations, and construction observation for environmentally sensitive professional office site. Included hydraulic analysis of Curlew Creek which bisected site.

Hillsborough Galleria - Fast track permitting and construction plans for 20 - acre commercial center in volume - sensitive drainage basin.

Oak Tree Estates - Permitting, construction plans, and construction services for 42 - acre single-family tract in Palm Harbor, Florida. Site required innovative design techniques to compensate for sinkhole/isolated wet-land and large trees.

Woodridge Lakes - Master plan floodway analysis, permitting, and construction plans for extremely sensitive 80-acre single-family tract located in the Brooker Creek waterbed in northeast Pinellas County, Florida.

Bayou Club - Master planning, floodway analysis, permitting construction plans, construction observation for environmentally sensitive project bisected by the Cross Bayou Canal in Largo, Florida. Included preparation of construction plans for a Tom Fazio 18-hole golf course.

Curlew Lakes - Drainage Analyses, permitting and construction plans for environmentally sensitive 12 acre commercial site plan in Pinellas County.

Hodusa Place - Drainage analyses, permitting and construction plans for environmentally sensitive 10 acre commercial site in Pinellas County. Included placement of 1,200 feet of 66" RCP within Curlew Creek.

Bally Racquetball Club - Drainage analyses, permitting and construction plans for environmentally sensitive 4 acre commercial site.

Bardmoor Village / Phase II - Engineering and permitting for 5 acre commercial site in Largo, Florida.

Maidstone Villas - Engineering and permitting for 4 acre multi-family tract in Largo, Florida.

Bardmoor Country Club South/East - Floodway analysis, master planning, permitting and construction plans for 320 acre site in Largo, Florida.

Weybridge Woods - Engineering including floodway analysis for environmentally sensitive site in Dunedin, Florida. Percolation swales were used on the 80 acre site in lieu of retention ponds in an effort to minimize destruction of trees.

Bardmoor Country Club North - Master planning, engineering, and survey on a continuing basis for 268 acre PUD in Largo, Florida.

Clayton Village PUD - Design and construction of 200 Lot private development in Pasco County.

Beacon Ridge - Master planning, engineering and construction management of 1,300 acre PUD in Pasco County. Initial phases only.

Pinellas Center - Master planning, engineering and construction management of 40 acre industrial site.

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Forest Lakes PUD - Master planning / DRI for 1,300 acre PUD including construction of 4,200 foot arterial roadway.

Immokalee - Master drainage for 230 acre PUD in Sarasota, Florida.

Vanguard Estates - Executive Mobile Home Park in Rockledge, Florida.

Municipal / Public

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City of Dunedin / General Consultant - Preparation of comprehensive water supply and sewerage disposal master plans, design of three bridges, development of water and sewer impact studies, geophysical analysis of existing wellfield, and preparation of CUP.

Brevard County Water Study - Comprehensive two year evaluation of the county's water needs and resources. Over 100 alternatives evaluated in terms of environmental acceptability, feasibility and performance. The final report included the technical, management, and fiscal information that will serve as the basis for the long-term water supply program for the County.

Melbourne / Tillman Drainage District - Environmentally, hydrologic and hydraulic analysis of proposed improvements to a 100 square mile "298" drainage district. Hydraulic analysis included the use of the HEC-2 computer model. Served as expert witness in District Court Case.

Anclote River Salinity Barrier - Feasibility study for the Southwest Florida Water Management District to determine whether or not a salinity barrier would effectively control saltwater intrusion in the Anclote River Basin.

Oak Grove Middle School - Drainage analysis, plans, and permitting for facility expansion in Pinellas County, Florida.

Orlando Jetport - Conducted review of drainage improvements for the expansion of the Orlando International Airport. Included analysis of WSP-2 and TR-20 computer runs and public presentations.

Water Quality Management Plan for Jacksonville, Florida - This \$250,000.00 study was unique for a 3c study in that load allocations were developed for all discharges to streams in the area and that the plan served as the area's "201" facilities plan. Developed a computerized industrial wastewater generator and a domestic wastewater generator which were used to simulate future waste loads based on S.I.C. classification and land use and population data respectively.

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Supervised the calibration and validation of a digital water quality model (SWMM) of the St. John's River and later used this model to analyze the effects of different treatment levels of generated waste loads on the river. Coordinated the development of an optimization model (IBM SIMPLEX) which selected the most cost effective treatment and distribution system

for a large portion of the study area. Sized the truck lines and determined the size and location of pump stations for a 5-plant regional system.

Economic Base / Water Demand Study / Four River Basins - Project manager for the water demand portion of a study for the U.S. Army Corps of Engineers and the Southwest Florida Water Management District. Developed a system of computer programs designed to calculate municipal, industrial and agricultural water demand. These programs were subsequently installed on the SWFWMD computer and used to analyze water demand for the area.

Georgia Statewide 208 - Revision of wasteload allocations for the Suwannee and Ochlocknee Basins. Included environmental and general treatment needs analysis.

Northwest Florida RPC Team - Two year member of the multi-disciplinary team which evaluated all proposed developments (DRI's) in the seven county northeast region of Florida relative to their social, economic, and environmental impacts. These reviews were the basis for local and state approval or denial of development permits.

HUD/FIA Flood Insurance Studies - Dougherty and Coweta Counties, Georgia. Included contract administration, scheduling and public presentation phases as well as the technical HEC-2 portion. Developed technique which enabled direct conversation of photogrammetric cross section data to HEC-2 compatible format.

208 / Urban Study of Metropolitan Jacksonville, Florida - Performed land use and economic data base study, with subsequent water demand and wastewater generation projection; Remote Sensing via LANDSAT.

Other Projects

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(Participation as Project Engineer)

Brevard County 208 - Evaluation of 2 Best Management Practices - a grassy swale and a stormwater retention pond. Sampled Water Quality upstream and downstream of the BMP's and computed removal efficiencies and relative cost effectiveness.

Preliminary Assessment (DRI) - of the environmental impact of proposed refinery and offshore supertanker terminal near Tampa Bay, Florida for the Belcher Oil Company.

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Environmental Assessment of Four Navigation Projects in Terrebone Parish, Louisiana for U.S. Corps of Engineers, New Orleans.

Areawide Water and Sewerage Systems Plan and Capital Improvement Program for eight counties in costal Georgia, for the Coastal Area Planning and Development Commission.

Determination of Environmentally Suitable Industries for Colonels Island, Georgia, for the Coastal Area Planning and Development Commission.

Environmental Impact of the Blue River Water Quality Management Plan, Denver, Colorado, for EPA.

Peace River Load Allocation Model - Developed a load allocation model of the Peace River for the Florida Department of Pollution Control.

Cove Pond Tidal Flushing Study, for Connecticut Department of Pollution Control.

Calibration and Verification of the Mathematical Model of Tampa Bay for the University of South Florida.