

# RAYMOND RAMMO, P.E.

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## QUALIFICATIONS

Bachelors degree in Civil Engineering and Masters degree in Environmental Engineering. Over twenty years of experience with consulting engineers and State/County/City governments in the management, planning, design, construction, inspection, funding and permitting of civil and environmental engineering projects.

### **State of Florida, Broward County Health Department**

*Professional Engineering Administrator*

April 2009 - June 2011

Fort Lauderdale, FL

Led the Department's Engineering Division. Administered the water and wastewater programs, budget, and staff:

- Improved Division's work product quality, as evidenced by annual State audit results, through strategic staff replacement, and increasing reliability.
- Trimmed Division's budget through creatively adding new revenue sources, increasing productivity, utilizing computer software and engineering hardware, and cutting certain expenditures.
- Prepared the annual department operating budget of approximately \$1.2 million.
- Implemented State and County rules and regulations, and applied enforcement actions as necessary.
- Reviewed and approved construction permits and certification clearances.
- Participated at local, county, and state level task force committees and meetings.
- Supervised and evaluated 11 employees including professionals, inspectors, specialists, and administrative staff.

### **City of Hollywood, Department of Public Utilities**

*Assistant Director*

June 2008 - March 2009

Hollywood, FL

Led the City's Department of Public Utilities Engineering Services Division. Administered the planning, engineering, construction, and inspection services for:

- Increased Division's annual budget by two folds through actively obtaining funds and grants for engineering projects.
- Water transmission and distribution system addition to meet future demand. Budget \$28 million.
- Wastewater conveyance system construction. Budget \$25 million.
- Water treatment plant (22 million-gallon average day production) upgrades including the addition of Reverse Osmosis units and new deep water wells. Budget \$19 million.
- Wastewater treatment plant (50 million-gallon average daily flow) reconstruction, upgrades, and additions to meet new Outfall Rule. Budget \$96 million.
- Municipal improvement projects including roadway, stormwater and reclaimed water distribution. Budget \$7 million.
- Supervised and evaluated 17 employees including professionals, inspectors, drafters, operators, and administrative staff.

### **Fortin, Leavy, Skiles, Inc.**

*Client Services Manager/Chief Civil Engineer*

Jan 2007 - June 2008

North Miami Beach, FL

Headed the company's civil engineering department during/after the departure of its President/Partner, Mr. Carl Skiles. Marketed and business developed the firm's engineering services. Created a database for all clients, projects, permits, and monitored timeline and budget. Negotiated contracts. Wrote proposals and scope of work. Completed and submitted project permits. Performed design calculations. Signed and sealed construction documents. Inspected civil engineering and private development projects including water, wastewater, paving, drainage, grading and pumping. The following is a partial list of projects:

- Turnberry Isle Resort & Beach Club, Sunny Isles Beach, FL (estimated construction cost \$84.5 million).
- Diplomat Mall Redevelopment, City of Hallandale Beach, FL (estimated construction cost \$3.5 million).
- 127<sup>th</sup> Street Shopping Center, North Miami, FL (estimated construction cost \$6.8 million).
- Sky Plaza Retail and Office, North Miami Beach, FL (estimated construction cost \$46 million).
- Federal Reserve Bank, Doral, FL (estimated construction cost \$1.25 million).
- North Star Resort, Key Largo, FL (estimated construction cost \$135 million).

**City of Miami, Department of Public Works**  
*Division Head – Civil/Environmental*

July 2005 to November 2006  
Miami, FL

Administered the design and construction of projects and prepared specifications, cost estimates, contract, and performed inspections. Secured grant monies for the funding of public improvement projects. Reviewed and approved permits. Represented the City at various local, County and State level committees and meetings. Supervised and evaluated nine employees.

- Implemented the requirements of the State's Consent Order regarding stormwater improvements, and successfully closed the legal case against City.
- Prepared for the annual audit of the City's stormwater NPDES program, and wrote annual report. Recognized as one of the top in the County.
- Led the City's internal and regulatory agency utility audits, and verified that corrective actions have been accomplished.
- Implemented a comprehensive Stormwater Management Program (SWMP) to control the quality of stormwater discharged from the Municipal Separate Storm Sewer System.
- Initiated and completed the Total Maximum Daily Loads (TMDL) Study for the Miami River.

**City of Hallandale Beach, Department of Public Works**  
*City Engineer – Acting/Assistant*

August 2003 to July 2005  
Hallandale Beach, FL

Performed City Manager's engineering projects including planning, design, and construction inspection. Assisted the City Manager with the preparation of the annual budget and presentation to the Mayor and Commission. Secured grant monies for the funding of public improvement projects, wrote monthly project updates to the City Manager, and held public meetings for the introduction of new public works improvement projects. Reviewed engineering permits, reviewed minor and major development, designed public improvement projects, wrote specifications, bid projects, quantity estimates, and costs of projects. Reviewed contractors request for payment, certified quantities and payment amount for approval, reviewed and negotiated change orders, and made recommendation for payment.

- Prepared for the annual audit of the City's stormwater NPDES program, and wrote annual report. Recognized as one of the top in the County.
- Utilized the use of computerized models including WaterCAD for the design of a large diameter water transmission system addition to meet future demand (estimated construction cost \$2.2 million).
- Storm water conveyance system addition to meet reliability (annual budget/estimated construction cost \$0.7 million).
- Water treatment plant (4 million-gallon average day production) upgrades including the addition of RO units and new deep water well (estimated construction cost \$8 million).
- Public works improvement and beautification projects.

**Camp Dresser & McKee**  
*Client Services Manager/Project Director*

May 2000 to August 2003  
West Palm Beach, FL

Managed the planning, permitting, funding, design (signed and sealed construction documents), and construction services management of:

- East Central Regional Wastewater Treatment Plant Expansion (from 55 mgd to 71 mgd) including deep injection well. (estimated construction cost \$18.5 million).
- Renaissance Stormwater Treatment Project that collected stormwater from redeveloped areas of West Palm Beach and diverted the treated stormwater to a lake that contained the raw water intake for the City's Water Treatment Plant. (estimated construction cost \$3.8 million).

Wrote and prepared the following reports and technical memorandums:

- Preliminary Design Report that evaluated the growth in the Village of Royal Palm Beach service area, future wastewater flow projections, wastewater plant design alternatives, and estimated project costs.
- Alternatives Analysis Technical memorandum that discussed the alternative approaches to improving the City of Riviera Beach, FL water supply and treatment processes. The alternatives included improvements to the existing lime softening plant or the replacement with a membrane treatment.
- Report for the Flamingo Wastewater Treatment Plant, National Parks Service, Florida Everglades, for improvements to Flamingo wastewater collection system and plant effluent quality, and to meet stringent phosphorus effluent limits. (estimated construction cost \$5.2 million).

**DTE Energy (Detroit Edison Company)***Supervisory Engineer*

1996 – 2000

Detroit, MI

One of first environmental engineers to be hired by the firm to administer the design and construction of environmental projects and programs at power plants in the areas of water/wastewater, hazardous/solid waste handling, spill control and response, risk management, air regulations, and other regulatory compliance:

- Provided environmental engineering support for power plants.
- Identified and evaluated potential environmental concerns and problems for plants, and recommended cost effective options and solutions.
- Provided environmental and regulatory compliance consultation, and enforcement.
- Assisted in internal and regulatory agency audits, and verified that corrective actions have been accomplished.
- Monitored and reported air emissions from plant sites, and implement Air Permit Compliance Strategies.
- Chaired Semi-Annual Hazardous Materials Spill Control Committee, and wrote Short Form Report.

**Sigma Associates, Inc.***Civil and Environmental Leader*

1993 – 1996

Detroit, MI

Marketed and business developed the company's scope of services, and with the support of the company's president, increased the company's employee number from seven to twenty three. Wrote proposals, negotiated contracts, developed and controlled project and manpower:

- Managed the federally funded Rouge River CSO Control Program.
- Designed the City of River Rouge CSO control basin and pumping station project.
- Supervised the computerized hydraulic modeling and analysis of Wayne County's CSO projects and utilizing the SWIMM model software.
- Utilized the computerized hydraulic modeling and analysis of engineering projects for the Michigan Department of Transportation (MDOT) bridge/river systems scour analysis.
- Utilized computer programs including WSPRO, HEC-2 and HY-8 in the hydraulic analysis and design of projects.

**San Diego Area Wastewater Management District***Project Manager*

1991 – 1993

San Diego, CA

Management, planning, funding, permitting, engineering, and construction of water transmission, wastewater conveyance, advanced wastewater/water reclamation plant, and pumping projects. Planning and management of projects, preparing and monitoring project schedule and budget, overseeing project grant and funding, securing and reviewing project permits, procuring and reviewing projects and making recommendations, preparation of project's scope of work, participating in consultant selection and consultant services fee negotiations, authorizing consultant work and claims settlement, reviewing reports, project design, plans and specifications submitted by consultants, overseeing the bidding and construction activities.

- North City Water Reclamation and Advanced Wastewater Treatment Plant planning, design, and construction. Budget \$167 million.
- Poway Wastewater Treatment Plant planning, design, and construction. Budget \$24 million.
- Wastewater conveyance system planning, design, and construction. Budget \$6 million.
- Treated effluent outfall planning, design, and construction. Budget \$5 million.

**Universal Engineering Corporation***Project Engineer and Construction Services Manager*

1986 – 1991

Boston, MA

Design, construction services management, O&M Manual writing, start-up activities and operator training, field testing, surveying, and inspection of:

- Narragansett Bay Commission - Field's Point Wastewater Treatment Facility Expansion (200 MGD) Providence, RI. (estimated construction cost \$65 million).
- Narragansett Bay Commission - Ernest Street Sanitary Pumping Station (200 MGD), Providence, RI. (estimated construction cost \$18 million).
- North Charleston Sewer District Commission - Felix C. Davis Wastewater Treatment Facility (44 MGD) Expansion, Charleston, SC. (estimated construction cost \$22.5 million)
- Rhode Island Port Authority - Quonset Point/Davisville Wastewater Treatment Facility (4.5 MGD) Expansion, North Kingstown, RI. (estimated construction cost \$8.5 million)

## EDUCATION

- Masters in Environmental Engineering, Northeastern University, Boston, MA
- Bachelors with Honors in Civil Engineering, University of Southampton, England

## REGISTRATIONS AND LICENSES

- Registered Professional Engineer (P.E.) in Florida, Massachusetts, Michigan, Arizona, and Washington.

## SELECTED ACCOMPLISHMENTS

### Core Competencies

- Proposal writing, client maintenance, marketing and business development.
- Administration, management, planning, design, construction observations, inspection, funding and permitting of engineering projects including site (paving, grading, signage, and markings), water, sanitary, stormwater and reclaimed water systems, pumping, solid/hazardous waste, air, and treatment facilities.
- Project contract negotiations.
- Preparation of plans, specifications, and bid packages.
- Project controls, development and monitoring of schedule and budget.
- Design of site, grading, drainage, signage and road markings, sanitary and stormwater sewers, drinking water and reclaimed water distribution systems, CSO control systems, sanitary landfills, underground wastewater disposal systems, hydraulic, open channel flow, gravity pipe, pipe flow under pressure, pump stations, wastewater and water treatment facilities process, odor control equipment, and air pollution control equipment.
- Water distribution system analysis for present and future demands, utilizing computer modeling.
- Construction services management: services during bidding and construction, shop drawings review, field inspection, surveying, and client consultation.
- Field construction services, surveying, inspection, contractor fee and claim negotiations and payment authorization, cut/fill calculations, and materials administration.
- O&M Manual writing, start-up, testing, and operator training: treatment facilities and pumping stations.
- Staff supervision and evaluation, training, development, hiring, and dismissal.

### Private Sector

- Wrote scope of work.
- Prepared and supervised project design including plans, specifications, reports, studies, and quantity estimates.
- Prepared construction cost estimates.
- Performed bidding services and construction administration.
- Developed and monitored project timeline and budget.
- Obtained project grant, funding, and permits.
- Negotiated contracts, developed project and manpower needs and controls.
- Teamed with engineering companies and built coalitions and communication.
- Supervised subconsultants and project team.

### Public Sector

- Secured project permits and grant monies.
- Reviewed and approved monthly project invoices.
- Wrote monthly project updates.
- Held public meetings for the introduction of new improvement projects, and provided updates on ongoing projects.
- Reviewed and approved permits, minor and major development plans.
- Prepared annual budget and presented to Mayor, Commission, and City Manager.
- Reviewed contractors' request for payment, certified quantities and payment for approval.
- Reviewed and negotiated contracts and change orders, and made recommendation for payment.
- Administered City-wide stormwater NPDES program and annual report.

### Energy Sector

- Led the environmental engineering group at Trenton Channel Power Plant (620 MW), River Rouge Power Plant (550 MW), and Conners Creek Power Plant (120 MW).
- Prepared monthly performance reports to Michigan Department of Environmental Quality including reports on spills or NPDES exceedences, and coordinated activities with corporate and safety officers.
- Negotiated and affected State-wide rule making and permits to ensure fairness for industrial entities.
- Facilitated Learning Maps company-wide in preparation for the upcoming deregulation of the energy generation industry.