Memorandum

MIAMI-DADE COUNTY

Date: June 30, 2009

To: Honorable Chairman Dennis C. Moss and Members, Board of County Commissioners

Agenda Item No. 8(R)(1)(B)

From: George M. Burgess
County Manager

Subject: Resolution ratifying the Mayor or Mayor's designee action to reject an unsolicited proposal received by the Miami-Dade Water and Sewer Department to install a back-up 72-inch raw water main from the Northwest Wellfield to North Royal Poinciana Boulevard and Dove Avenue in Miami-Dade County

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RECOMMENDATION

It is recommended that the Board of County Commissioners (Board) adopt the attached resolution ratifying the Mayor or Mayor's designee action to reject an unsolicited proposal received by the Miami-Dade Water and Sewer Department (WASD) on July 24, 2008. Pursuant to Section 2-8.1 (K)(5) of the Code of Miami-Dade County, the County has the sole and absolute discretion to reject or return an unsolicited proposal.

The scope of work in the unsolicited proposal consists of designing and installing a back-up 72-inch raw (untreated) water main from the Northwest Wellfield to North Royal Poinciana Boulevard and Dove Avenue in Miami-Dade County. Another WASD project has been identified which would use the same installation pipe route as the pipe route proposed for the back-up 72-inch raw water main. Therefore, WASD's project scope of work to install the 72-inch back-up pipe has been revised to include the installation of a 48-inch water main and an 8-inch sewer force main. The simultaneous installation of all three pipes will serve to reduce excavation and installation costs and all construction related inconveniences to local residents.

SCOPE

This project impacts various districts in the northwest portion of the County. It begins at the corner of Northwest 74 Street and Northwest 127 Avenue, and runs south to Northwest 58 Street and then east to North Royal Poinciana Boulevard and Dove Avenue in Miami-Dade County.

FISCAL IMPACT/FINDING SOURCE

In the best interest of the County, the scope of work to install the 72-inch back-up pipe was revised, therefore, the $25,000 processing fee paid to WASD for the processing and evaluation of the unsolicited proposal will be refunded to the proposer, RMI/LCC Joint Venture, in accordance with Section 2-8.1 (K)(3) of the Code of Miami-Dade County.

TRACK RECORD/MONITOR

There is no tracking or monitoring required as the request to advertise of this unsolicited proposal was rejected. No further action is required.

BACKGOUND

On July 1, 2008, the Board approved Ordinance 08-79 which amended Section 2-8.1 of the Code establishing procedures to evaluate, develop and publish unsolicited proposals for the County's contracts. On July 24, 2008, the County received the first unsolicited proposal from RMI/LCC Joint Venture for a WASD project. The proposal's scope of work consists of accelerating the design and construction of a back-up 72-inch raw water main for the County's existing 96-inch water main located at Northwest 74 Street and NW 107 Avenue. This 96-inch water main carries raw (untreated) water pumped from water supply wells installed at the Northwest Wellfield to the Hialeah/Preston Water Treatment Plants where it is treated to meet current drinking water standards.

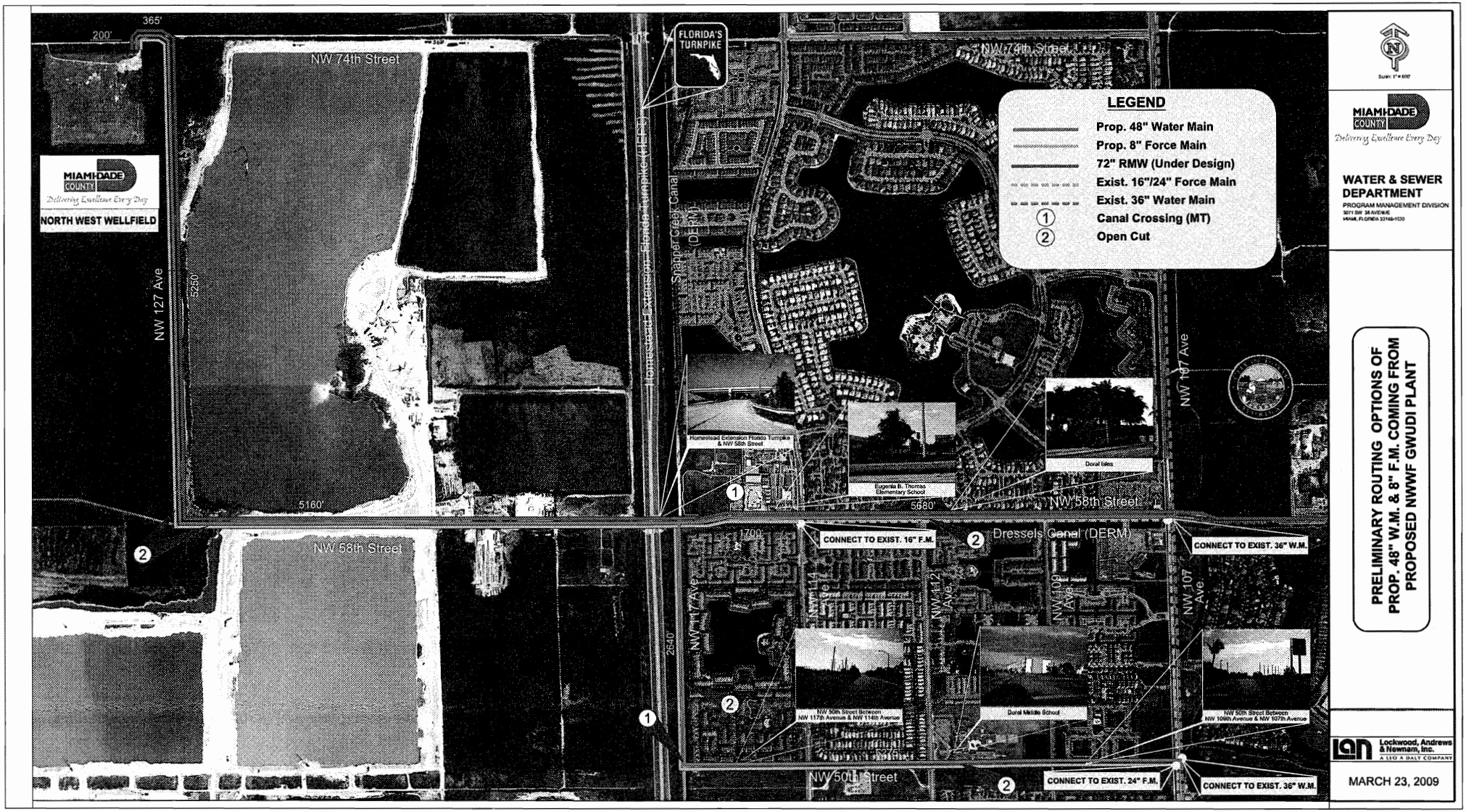
On October 28, 2008, RMI/LCC Joint Venture was advised that the unsolicited proposal had been reviewed by WASD and that it would be forwarded to the Board for review and consideration. On December 9, 2008, the request to advertise for the unsolicited proposal was approved by the Governmental Operations and Environment Committee and waived to the December 16, 2008 Board agenda. At the December Board meeting, the item was deferred upon the request of the County Attorney's Office to compare the proposer's financing plan of the project costs to that of the County's.

In the interim, one of WASD's consultants had been evaluating the feasibility of constructing treatment upgrade facilities in the area of the Northwest Wellfield. At this time, the water supply wells in the Northwest Wellfield provide the Hialeah/Preston Water Treatment Plants with raw water for treatment. After the water is treated to drinking standards it is distributed to customers located north of Flagler Street. Based on findings from the U.S. Geological Survey and County contractors, the Northwest Wellfield may eventually be designated by the Florida Department of Environmental Protection (FDEP) as "Groundwater under the Direct Influence of Surface Water" regardless of the 60-day protective buffer zone that is required by the County's Wellfield Protection Ordinance. Such a determination would require additional water treatment due to possible pathogenic risk from cryptosporidium and giardia which are intestinal parasites found in animals such as raccoons, possums and ducks that live in the wetlands neighboring the Northwest Wellfield. These pathogens may travel into the rock pit lakes near the Northwest Wellfield as a result of heavy rains with the potential of contaminating the groundwater. Such a designation by FDEP would mandate the installation of treatment upgrades to the Hialeah/Preston Water Treatment Plants in order to protect the public health. These upgrades would take approximately eight years to design and construct. Considering the number of residents currently served by the Hialeah/Preston Water Treatment Plants, the most effective approach to safeguard the public health is to move forward with the treatment upgrade facilities.

The upgraded facilities in the area of the Northwest Wellfield include the design and installation of two pipes, a 48-inch water main and an 8-inch sewer force main. The pipe routes selected for the 48-inch water main and the 8-inch sewer force main by WASD's consultant are identical to the pipe route proposed in the "Unsolicited Proposal" for the 72-inch back-up pipe up to the intersection of NW 58 Street and NW 107 Avenue, as shown in Exhibit A. Therefore, the scope of work to install the 72-inch back-up pipe has been changed to include the installation of the 48-inch water main and an 8-inch sewer force main which will reduce excavation and construction costs as all three pipelines will be installed at the same time, furthermore, disruption to the local community will be minimized.

Assistant County Manager

EXHIBIT A


MIAMI-DADE COUNTY
Delivering Excellence Every Day
NORTH WEST WELLFIELD
NW 74th Street
NW 58th Street
NW 50th Street
NW 127 Ave
NW 117 Ave
NW 114 Ave
NW 112 Ave
NW 109 Ave
NW 107 Ave
NW 107 Ave
Homestead Extension Florida Turnpike (HEFT)
Snapper Creek Canal (DERM)
Dressels Canal (DERM)
FLORIDA'S TURNPIKE
200'
365'
5250'
5160'
5660'
1700'
2640'
LEGEND
Prop. 48" Water Main
Prop. 8" Force Main
72" RMW (Under Design)
Exist. 16"/24" Force Main
Exist. 36" Water Main
Canal Crossing (MT)
Open Cut
Homestead Extension Florida Turnpike & NW 58th Street
Eugenia B. Thomas Elementary School
Doral Isles
NW 50th Street Between NW 117th Avenue & NW 114th Avenue
Doral Middle School
NW 50th Street Between NW 109th Avenue & NW 107th Avenue
CONNECT TO EXIST. 16" F.M.
CONNECT TO EXIST. 36" W.M.
CONNECT TO EXIST. 24" F.M.
CONNECT TO EXIST. 36" W.M.
MIAMI-DADE COUNTY
Delivering Excellence Every Day
WATER & SEWER DEPARTMENT
PROGRAM MANAGEMENT DIVISION
3071 SW 38 AVENUE
MIAMI, FLORIDA 33146-1520
PRELIMINARY ROUTING OPTIONS OF PROP. 48" W.M. & 8" F.M. COMING FROM PROPOSED NWWF GWUDI PLANT
Lockwood, Andrews & Newnam, Inc.
A LEO A DALY COMPANY
MARCH 23, 2009

MEMORANDUM

(Revised)

TO: Honorable Chairman Dennis C. Moss and Members, Board of County Commissioners

DATE: June 30, 2009

FROM: R. A. Cuevas, Jr. County Attorney

SUBJECT: Agenda Item No. 8(R)(1)(B)

Please note any items checked.

_____ **"4-Day Rule" ("3-Day Rule" for committees) applicable if raised**

_____ **6 weeks required between first reading and public hearing**

_____ **4 weeks notification to municipal officials required prior to public hearing**

_____ **Decreases revenues or increases expenditures without balancing budget**

_____ **Budget required**

_____ **Statement of fiscal impact required**

_____ **Bid waiver requiring County Mayor's written recommendation**

_____ **Ordinance creating a new board requires detailed County Manager's report for public hearing**

_____ **Housekeeping item (no policy decision required)**

_____ **No committee review**

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 8(R)(1)(B)
6-30-09

RESOLUTION NO. _____

RESOLUTION RATIFYING THE REJECTION OF THE UNSOLICITED PROPOSAL FOR THE DESIGN AND CONSTRUCTION OF A BACK-UP 72-INCH RAW WATER MAIN FOR MIAMI-DADE WATER AND SEWER DEPARTMENT

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board pursuant to Ordinance No. 08-79 hereby ratifies the rejection of the request to advertise an unsolicited proposal for the design and construction of a back-up 72-inch raw water main for Miami-Dade Water and Sewer Department.

The foregoing resolution was offered by Commissioner , who moved its adoption. The motion was seconded by Commissioner and upon being put to a vote, the vote was as follows:

Dennis C. Moss, Chairman
Jose "Pepe" Diaz, Vice-Chairman

Bruno A. Barreiro	Audrey M. Edmonson
Carlos A. Gimenez	Sally A. Heyman
Barbara J. Jordan	Joe A. Martinez
Dorrin D. Rolle	Natacha Seijas
Katy Sorenson	Rebeca Sosa
Sen. Javier D. Souto	

The Chairperson thereupon declared the resolution duly passed and adopted this 30th day of June, 2009. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By:_____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

Henry N. Gillman

RIC-MAN INTERNATIONAL, INC.
GENERAL CONTRACTORS
1210 Washington Ave. Suite 200, Miami Beach, Florida 33139
Phone: (305) 535-1744 · Fax: (305) 535-1745

July 22nd, 2008

Mr. George M. Burgess
County Manager
Miami-Dade County
111 NW 1st Avenue
Suite 2910th
Miami, Florida 33128

RE: Unsolicited Proposal for the Construction of a 72" Raw Water Main (RWM) from the M-D WASD northwest well fields to an existing 96" Raw Water Main along North Royal Poinciana Blvd in Miami-Dade County.

Contract Number 01693 W- 72" RWM in NW 58th Street from NW 127th Avenue to the Florida Turnpike and in NW 127th Avenue from NW 58th to NW 74th Street.
Contract Number 01436 W - 72" RWM from the Florida Turnpike to NW 72nd Avenue.
Contract Number 01051 W - 72" RWM from NW 72nd Avenue to a point of connection to an existing 96" RWM along North Royal Poinciana Blvd.

Dear Mr. Burgess,

The **Ric-Man International (RMI), Corp./Lanzo Construction of Florida (LCF)/APCTE, Corp. Team** in association with *Tetra-Tech, Inc.* as major sub-contractor and in accordance with the recently approved Miami-Dade County Ordinance No. 08-79, which establishes procedures for County evaluation, development and publication of Unsolicited Proposals for County Infrastructure Projects, is please to submit this Unsolicited Proposal for the design and construction of approximately 46,000 L.F. of a new 72-inch Raw Water Main from the M-D WASD northwest well fields west of the Florida Turnpike to an existing 96-inch Raw Water Main along North Poinciana Blvd. in Miami Dade County. As required by the ordinance, a check for $25,000.00 is enclosed for the evaluation of this proposal.

The **RMI/LCF/APCTE Team** believes that the acceptance of this proposal by the County will serve the public's best interest. Over one million residents within Northern Miami-Dade County are dependent upon a single 96-inch pre-stressed concrete cylinder pipe that conveys raw water to the Hialeah and Preston Water Treatment Plants to obtain potable water. In an effort to assure continued viability and adequate water supply to the area, the Miami-Dade Water & Sewer Department has scheduled in their work program a multi-phased construction of a 72-inch Raw Water Main that will provide the redundancy needed to assure uninterrupted service to the area. M-D WASD present schedule, allows for the construction of this new project to be completed by the fiscal year 2013-2014. Our proposal seeks to ensure that the WASD's effort are realized in the next three years, almost 3 years ahead of the existing schedule and for the same dollar amount or less than what M-D WASD has in their budget with no change orders.

By integrating the above three projects and allowing our team to construct them now, the County will realize significant additional savings by accelerating construction to today's cost rather that future construction cost. The **RMI/LCF/APCTE Team** will assume all of the risks as well as provide the financial resources needed to advance the construction of the above aforementioned projects. **RMI** has obtained from Oppenheimer Holdings, Inc., who is one of the leading lending financial institutions of the Country, indicative offers and

letters of intent that give us adequate guarantees in regards to the financial viability of the proposed financial plan. This plan will provide assurance that the available funds are sufficient to implement the projects ahead of schedule. RMI will take advantage of innovative project solutions and of increased construction efficiency resulting from the immediate construction of all the projects to reduce the overall cost and thus, to be able to finance the project within the WASD budget amounts. In our proposal schedule we show that we will be able to deliver these projects to the county by no later than the summer of 2012, provided the county completes its full procurement process within 2008.

The **RMI/LCF/APCTE Team** that is proposed for these projects is the same team that has successfully completed more than $85,000,000 in design-build infrastructure public projects for the City of Miami Beach and M-D WASD. The RMI Team knowledge and experience in working in public projects and specifically in pipeline design-built projects is unique and guarantees the efficient use of the public right-of-ways to minimize construction impacts and inconveniences to residents and business in the area.

This proposal addresses the minimum requirements established by Miami-Dade County Ordinance No. 0870 as well as our design/technical approach to the project, construction timing, maintenance of traffic, environmental impacts, soil and utility investigation, construction methods, quality control procedures during design and construction, schedule and value added components including warranty/guarantees. Resumes, qualification of the team members and a list of previous completed projects have also been included. We have a thorough understanding of all of the key project issues and have already established strong relationships with the same project personnel from WASD that will be assigned to manage these projects.

The recently adopted Miami-Dade Ordinance 08-79 that allows for the submission by any person or legal entity of an unsolicited proposal to the County, specifically defines what are the minimum items that should be included as part of the proposal. We understand that this is a brand new procurement tool that has never been used by the County before. In the following pages, and in order to facilitate the County Staff on the review of the proposal we list all of the minimum requirement items as required by Sections (6) and (8) of the ordinance and we specify where in our proposal those items are covered. A copy of the ordinance is also included.

RMI, LANZO and APCTE are local firms with more than 64 years of combined experience working for M-D WASD. We understand how important is for the County to provide contracting opportunities for small and medium size firms, hence we have included as part of our team several Community Business Enterprise (CBEs) engineering firms and Community Small Business Enterprise (CSBEs) construction companies. We are assigning our best people to work on this important project.

This team contains individuals that have repeatedly delivered successful projects to the County and specifically to the Miami-Dade Water and Sewer Department. We are looking forward to the opportunity of working once again with the County on this challenging project.

Sincerely,

David Mancini
RMI President

Guiseppe D'Alessandro
LCF President

Antonio G. Acosta
APCTE President

MIAMI-DADE COUNTY
UNSOLICITED PROPOSAL MINIMUM REQUIREMENTS

MIAMI DADE COUNTY SECTION (6) AND (8) OF ORDINANCE 08-79

(6) In determining whether to accept the unsolicited proposal for publication, the County shall take into consideration such factors as: whether the proposed project is in the public's best interest;

- The existing 96-inch Pre-Stressed Concrete Cylinder Pipe (PCCP) Raw Water Main Pipeline connecting the well fields with the Hialeah and Preston Water Treatment Plant is the single source of M-D WASD water supply to more than one million customers that are been served by these two plants. Constructing the new 72-inch RWM redundancy pipe almost three years ahead of schedule will minimize the risk of having those customers without water due to a possible rupture of the existing 96-inch RCP.

the costs of the proposed project and its funding sources;

- Cost of the project under this unsolicited proposal will be less than the estimated budget.
- Funding source will be the County's present fund allocation augmented by funds provided by the Team when the County's budget allocations have been exhausted for that period. The Team will finance those costs until the next allocation is obtained. This financing cost will be paid by the Team.

whether the proposed project may be accomplished through the use of County resources;

- It is our opinion that M-D WASD does not have the capability neither the expertise to construct this complex pipeline project. M-D WASD may provide preliminary design, inspection, construction management and contract administration services.

the need for the proposed project:

- The project is needed to provide redundancy to an existing 96-inch Raw Water main running along NW 74th Street from the northwest well fields in the vicinity of NW 137th Avenue and NW 58th Street to the Hialeah and Preston Water Treatment to assure uninterrupted water supply to more than one million WASD customers within northern Miami-Dade County. The existing pipe is at high risk of performing failure from normal aging or unintentional damage from construction along the line. Any damage could result in lengthy repairs, heavily impacting the water supply to the areas north of Flagler Street.

the scientific, technical or socio-economic merits of the proposal;

- This proposal, if accepted by the County, will expedite the construction of these projects by almost three years, bringing additional work to local firms during these difficult economic times.

the contribution of the proposal to the County's goals and objectives;

- The construction of these pipeline raw water projects will assure M-D WASD the continue delivery of high quality drinking water to residents, business and visitors of

Miami-Dade County while providing for future economic growth and safeguarding public health and the environment.

the qualifications, technical and management capabilities and experience of the proposer considered as a whole and considered in terms of the legal entities who may comprise the proposer or who may be serving as subcontractors to the proposer;

- The Principal Team members consist of Ric-Man International, Inc., Lanzo Construction of Florida, and A&P Consulting Transportation Engineers. This team is supported by several local CBE and CSBE companies (complete list is included as one of the subdivisions below as well as on Section B of this proposal). The experience of these team members as well as a list of previous constructed/designed projects by RIC-Man/Lanzo and APCTE is included in Sections B & C of this proposal. That includes vast experience in the design, management, and construction of similar projects up to 120" pipe size.

the general reputation and financial condition of the proposer and its team members;

- The Teams reputation is reflected in Section E of this proposal by virtue of numerous letters of recommendation from municipalities from Indian River County through Miami-Dade County.

the proposer's financial capacity to perform its obligations in the proposed contract;

- The Team's financial capacity is reflected in the FDOT Certification of Qualification dated June 24, 2008 showing a maximum capacity of $420,850,000 (included as part of Section D)
- Our bonding company Liberty Mutual's letter (included in Section D)
- Our certified accountants letter (included in Section D)

the financial viability and feasibility of the submitted proposal;

- Based on the current County's budget and the financing that will be provided by Oppenheimer Holdings Inc. the construction and funding under this proposal will be integrated with the unique experience of the Team members to provide a viable and fluid progression of the multitude of facets of the design, permitting, managing and construction of this project as expeditiously as reflected in our schedule.

the cost, if any, to the County to proceed with implementation of the proposal;

- We are proposing to complete this project in the next three years, almost three years ahead of the existing schedule and for the same dollar amount or less than what M-D WASD has in their budget. The implementation of this proposal is not going to increase the cost to the county above the already budgeted amount, on the contrary it will save the County not only the proposed 3 (three) year savings in project completion; but also in the extensive managing of the process of preparing and advertising for design firms, acquiring and evaluation such firms and selection process.

and any other information the County deems appropriate for such initial evaluation.

- See Section A thru E of this proposal for additional information.

(8) ***Any unsolicited proposal shall contain at a minimum the following items, as appropriate to the proposed project:***

Information and supporting documentation necessary for the County to evaluate the factors listed in paragraph 6 above.

- See previous page

A site plan indicating the location of the project proposed.

- Included in Section A

A description of the project, including the conceptual design of the facility.

- Included in Section A

The proposed schedule for development of the project and/or the proposed term for operation of the project, along with an estimate of the life cycle cost of the proposed proposal.

- Design and Construction Schedule Include at the end of Section A
- Life Cycle Cost does not apply to this project

A statement setting forth a method by which the private entity proposes to secure any property interests required for the proposed project.

- The Team has identified the 2 locations requiring easement acquirement proceedings; FEC railway right-of-way site and the property along NW 58th Street from NW 122nd Avenue to NW 127th Avenue.
- The team will research County documents and identify the corresponding property owners /agents.
- The team will make initial contacts with authorized personnel at each site and coordinate and schedule preliminary meetings.
- The Team will research property values and we will provide the County with all gathered information.
- The team will make the necessary offers and negotiate for the required easements. This will include all required forms and submittals.
- Once an agreement is reached, the Team will file the proper documents and pay for the easements.
- The Team will meet the requirements of the easement agreement.

A list of all public utilities, railroad lines, navigable waters and flight paths, if any, that will be crossed or affected by the proposed project and a statement of the plan to accommodate such crossings or effects.

- Included in Section A

A statement setting forth the proposer's plans for developing, financing, constructing and/or operating and maintaining the project, including identification of any revenue, public or private of proposed debt or equity investment proposed by the proposer. The financing plans shall address any and all means by which the costs of the project will be borne by persons other than the County.

- The Team has joined forces with Oppenheimer Holdings Inc., who will provide the necessary funds during those periods between County payment of fiscal year funds and the allocation of the next fiscal year's funds. The project expenses will be

compensated by the Financial Plan provided by Oppenheimer. A well known and respected financial firm with 125 years experience, 94 U.S. offices, more than 3,500 employees, with 6 international offices, $68.5 Billion in assets under administration, and $17.1 Billion in assets under management (a preliminary Financial Plan is included in Section D of this Proposal).

Names and addresses of person who may be contacted for further information concerning the request.

- David A. Mancini, 1210 Washington Avenue, Suite 200, Miami Beach, Fl 33139, Ph. 305-535-1744 Fx. 305-535-1745

Information on how the project would benefit small and community based contractors within Miami-Dade County.

- We have included as part of our team several Community Business Enterprise (CBEs) engineering firms and Community Small Business Enterprise (CSBEs) construction companies. The team has an enduring policy of hiring local sub-contractors to perform all work not typically done by its own forces. Typical work for this project is the supply and installation of the 72" pipe and its related valves and appurtenances.

A financial plan for the entire period of the proposed private entity involvement in the project.

- Included in the Financial Plan Section of the Proposal, Section D

Performance guarantees, if any, and any proposed bonding to be provided by the proposer.

- The performance Bond will be provided by Liberty Mutual a AXV rated Bonding Company. Bonding Letter included in Section D of this proposal.

The names, addresses, and biographical information of companies that will be principals in the proposal.

Ric-Man International, Inc	Lanzo Construction of Florida	A&P Consulting Transp. Eng.
1210 Washington Ave, # 200	125 SE 5th Court	10305 NW 41st Street, # 115
Miami Beach, FL 33139	Deerfield Beach, Fl. 33441	Doral, Florida 33178

- Ric-Man and Lanzo Construction of Florida will be the Prime Contractor and APCTE will be the Prime Designer/Consultant. Detailed information about the three companies is included in Section B.

A list of all engineering or construction firms to be proposed on the project and their qualifications and a description of their role in the proposal.

- In Section B we include the qualifications of the main team players (Ric-Man, Lanzo Construction, APCTE, and Tetra Tech) while on the organizational chart, the roles of all of the subs that are part of this proposal are depicted.

A listing of all proposed obligations and requirements of the County and any other governmental agencies, including, but not limited to, contributions to the project financing, staffing and permitting.

- M-D WASD will be responsible for the Contract Administration, Construction Management and inspection of the work. Regarding project financing, Ric-Man

International has already obtained a continuous source of working capital from Oppenheimer Holdings Inc to ensure the work commences in 2009, while payment from M-D WASD can be spread over the period 2009-2014 when the funds become available.

A listing of all small business enterprises (as defined in applicable County ordinances) that will participate in the project and the proposed scope of work of each.

CONSTRUCTION TEAM CSBE'S

- QUALITY CONSTRUCTION PERFORMANCE
  - Flat Concrete Work
  - Asphalt Milling
  - Asphalt Paving
- BERLO INDUSTRY INC
  - Traffic Marking
  - Signing
- GULF CONTRACTING INC.
  - Furnishing, excavating and installing the 72" valves and structures
  - Testing valves and pipeline
  - Clean Furnishing and installing road base
- SUNCOAST AGGREGATES
  - Furnish and Deliver Limerock
  - Furnish and Deliver Stone
  - Disposal of materials
  - Hourly trucking
- Star Paving
  - Asphalt Patchwork
- BCL Construction
  - Concrete Formwork & Cast in place

DESIGN TEAM CBE'S

- P3SM
  - Surveying and Mappers
- FORD ENGINEERING — mommy E.?
  - Environmental Engineering
- NADIC ENGINEERING SERVICES
  - Geotechnical Engineering
- BCC ENGINEERING
  - General Civil Engineering
- MEDIA RELATION GROUP
  - Public involvement

Such additional material and information that a responsible public entity may reasonably expect, in order to review and evaluate such proposal.

- See Section A thru E of this proposal for any additional information.

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MIAMI-DADE COUNTY

Section A

Project Understanding & Scope of Work

SECTION A – PROJECT APPROACH

A.1 PROJECT UNDERSTANDING AND SCOPE OF WORK

A.1.1 INTRODUCTION

This Unsolicited Proposal is presented to provide the required engineering services for the design, construction, limited construction management, public involvement and value engineering of a new 72" Raw Water Main (RWM) from the M-D WASD northwest well fields to an existing 96" RWM along North Royal Poinciana Blvd. Our Team will be responsible for the design, permit, construction and limited construction management associated with the work related to raw water main installation, milling and resurfacing, earthwork, driveway paving, sidewalk and curb & gutter re-construction, and some landscape improvements.

The WORK to be performed under this proposal will consist of providing all tools, equipment, materials, supplies, and manufactured materials and furnishing all labor, transportation, and services, including fuel, power and essential communications and performing all WORK, or other operations required for the fulfillment of the proposed project improvements depicted in the proposed project improvements/project scope describe in section A.1.4. All work will be communicated through a community construction information process, coordinate, sequenced and conducted in a manner that will insure the minimum disruption to residents, businesses, places of worship, tourists, special events, and government services.

A.1.2 PURPOSE OF THE PROJECT

This Unsolicited Proposal is to seek approval for the immediate construction of each of the projects shown on the table below. This table indicates the project limits, construction end date, and current design status of each project.

Project Description	Construction End Date	Estimated Design Status
Approx. 9,700 L.F. of a 72" RWM in NW 58th St. from NW 127th Ave. to the Florida Turnpike and in NW 127th Ave. from NW 58th St. to NW 74th St.	2013	60%
Approx. 27,100 L.F. of a 72" RWM from the Florida Turnpike to NW 72nd Ave.	2013	30%
Approx. 8850 L.F. of a 72" RWM from NW 72nd Ave. to a point of connection to an existing 96" RWM along North Royal Poinciana Blvd.	2014	0%

The main purpose of the above three projects is to provide redundancy to an existing 96" RWM running along NW 74th Street from the northwest well fields located in the vicinity of NW 137th Ave. and NW 58th Street to the two Water Treatment Plants in Hialeah to assure uninterrupted water supply to more than one million WASD customers within northern Miami-Dade County. The proposed solution is the most effective method to minimize the risk of possible lack of water supply in case of a rupture of the existing 96-inch Raw Water Main..

M-D WASD has worked extremely hard to secure the required funds for the construction of this project which intended to provide the necessary potable water demands to all residents of Miami-Dade County within areas north of Flagler Street. Our Unsolicited Proposal seeks to ensure that M-D WASD's efforts are realized in the next three years for less than the dollar amount programmed in the current M-D WASD 5-year work program.

Miami-Dade County Ordinance No. 08-79 establishes procedures for County evaluation, development and publication of Unsolicited Proposals for County contracts. This Ordinance serve as the legal basis that allows this innovate project solution. This ordinance provides for private financing of County public infrastructure

projects. RIC-MAN/LANZO will provide the financial resources needed to advance the construction of funds for each of the above three projects.

Ric-Man has obtained from a prestigious financial institution required offers and letter of intent that gave us adequate guarantees in regards to the financial viability of the proposed financial plan, providing us with the tools to make all the necessary calculations to ensure that the available funds will be adequate to advance the above projects. Ric-Man will take full advantage of innovative technical solutions and of increased construction efficiently resulting from the immediate design/procurement/construction of all the projects to reduce the overall time and cost, and to reduce the exposure to M-D WASD of possible interruption of water supply to more than one million WASD customers. RIC-MAN/LANZO will begin construction by the end of 2009 and will have the entire pipeline project in the ground by the summer 2012, nearly 3-years ahead of schedule. The following sections describe our technical and financial approach for the completion of the project. This Unsolicited Proposal will also provide information regarding our professional qualifications, and cost-savings.

A.1.3 PROJECT LOCATION

Miami-Dade Water and Sewer Department (M-D WASD) has included within their five year work program the implementation of a three-phased construction for a new 72" Raw Water Main (RWM) from the northwest well fields located in the vicinity of NW 137th Avenue and NW 58th Streets to two (The Hialeah and Preston Water Treatment Plants located at 700 West 2nd Avenue and 1100 West 2nd Avenue respectively) of the three Water Treatment Plants (WTP) that supply Miami-Dade County residents with potable water. Most of the alignment of the proposed 72" RWM runs along NW 58th Street. This new raw water pipeline project will provide much needed redundancy to an existing 96" RWM running along NW 74th Street to assure uninterrupted water supplies to more than one million residents within northern Miami Dade County. The total length of the proposed 72" RWM is approximately nine (9) miles.

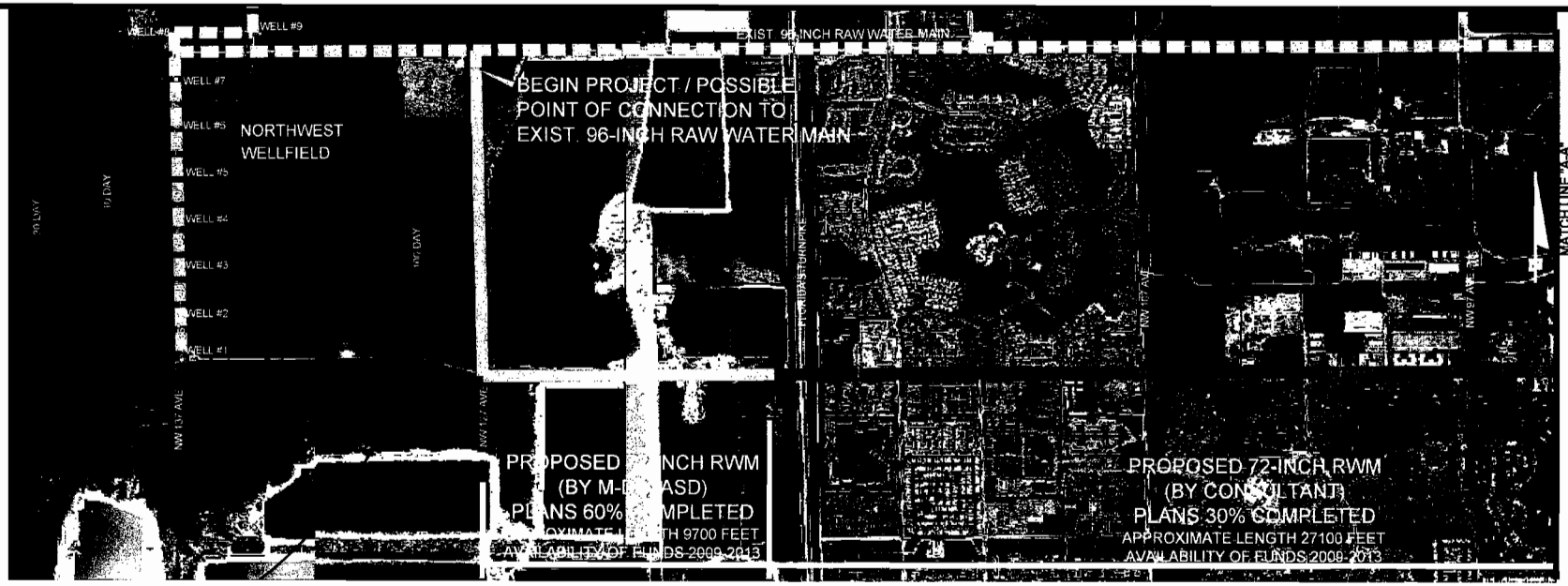
The lone source of raw groundwater extracted thru well pumps from the Florida's aquifer at the M-D WASD northwest well fields is transported to the above two WTP's by a single 96" Pre-stressed Concrete Cylinder Pipe (PCCP) running along NW 74th Street that was built in the early 1980's. The existing 96" RWM is at potential risk of operation failure from normal aging or inadvertent damage from public or private infrastructure projects including the reconstruction of NW 74TH Street. Any damages to this water main could result in lengthy repairs, during which time water supply could be heavily affected to the areas north of Flagler Street. This critical situation has necessitated the proposed implementation of the new 72" RWM conveyance system.

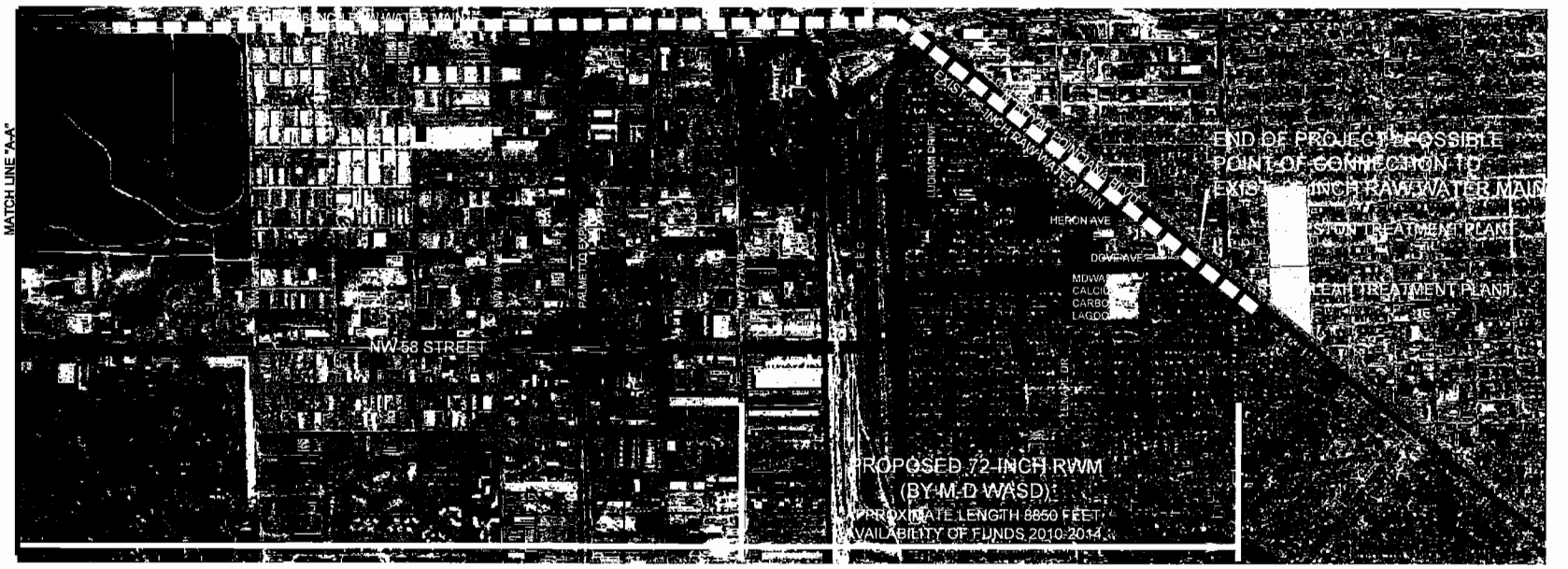
The segments of the proposed three-phased RWM construction include:

a) A project from the M-D WASD northwest well field located in the vicinity of NW 127th Avenue and NW 58th Street to the west side of the Florida Turnpike (western segment). This project is been designed by M-D WASD's in-house engineering staff and it is currently about 60% designed completed.
b) A project from the west side of the Florida Turnpike to the east side of NW 72nd Street (middle segment). This project is been designed by another consultant and it is currently about 30% designed completed, and
c) A project from the east side of NW 72nd Street to connect to the existing 96-inch RWM along North Royal Poinciana Boulevard (east segment). This project is currently dormant and it is been proposed to be designed by M-D WASD's in house engineering staff.

The project for which our team is submitting this Unsolicited Proposal is for the construction of the above three segments

In the following page we have identified a map with the limits of each of the proposed 72" RWM segments.





MIAMI-DADE COUNTY

MIAMI-DADE WATER & SEWER DEPARTMENT

PROJECT LOCATION
72-INCH RAW WATER MAIN
UNSOLICITED PROPOSAL

RAC-MAN INTL. INC.

ENGINEERS

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A.1.4 PROPOSED PROJECT IMPROVEMENTS / PROJECT SCOPE

The proposed project improvements for this Unsolicited Proposal includes the design, construction, limited construction management and public involvement services for the installation of approximately 46,000 L.F. (9 miles) for the three segments of a new 72-inch RWM from approximately NW 127th Avenue and NW 74th Street to a point of connection to the existing 96-inch RWM along North Poinciana Boulevard.

'This project has been identified by M-D WASD to provide a redundant water supply system to the Hialeah Water Treatment Plant and the Preston Water Treatment Plant.

The design of this water main will require examining the latest available trenchless technologies such as Horizontal Directional Drilling (HDD) and Microtunneling (MT) to authenticate the most cost effective method of construction to be able to cross critical points such as the Florida's Turnpike, SR-826/Palmetto Expressway, the Florida East Coast (FEC) Railway corridor and some Miami-Dade County and South Florida Water Management District (SFWMD) canals, along the proposed pipe alignment, as well as the selection of the most suitable pipe material based on soil and environmental conditions. Some pipe materials that may be considered due to the nature of this raw water main project may include, Pre-Stressed Concrete Cylinder Pipe (PCCP), Steel Pipe and Fiberglass Reinforced Concrete.

A.2 DETAILED DESCRIPTION OF KEY PROJECT ACTIVITIES

A.2.1 DESIGN ACTIVITIES / PROFESSIONAL SERVICES

A.2.1.1 Introduction:

Work to be performed in the Section includes providing professional engineering services to design, and construct this project, meeting the intent of the Conceptual Plans and Conceptual Specifications prepared by M-D WASD staff and other consultants.

Our Professional Engineer, seeking to reuse the partially completed contract documents under the successor Professional Engineer's seal, will be able to document and produce upon request evidence that he/she has in fact recreated all the work done by the original Professional Engineer. In other words, calculations, site visits, topographic surveys, research, utility investigations and the like will be documented and producible upon demand. Further, our Professional Engineer will take all professional and legal responsibilities for the documents, which he/she signs and seals, and can in no way exempt him/herself from such responsibility. Our Professional Engineer need not redraw plans; however, justification for such action must be available through well-kept and complete documentation on the part of the successor Professional Engineer as to his having rethought and reworked the entire design process. Our Professional Engineer will use his own title block, seal and signature and will remove the title block, seal and signature of the original Professional Engineer before reusing any sealed contract documents. Prior to sealing and signing work our Professional Engineer will notify the original Professional Engineer, his successors, or assigns by certified letter to the last known address of the successor's intention to use or reuse the original Professional Engineer's work. Our Professional Engineer will take full responsibility for the contract documents, including but not limited to drawings, technical specifications, cost estimates, as though they were the successor Professional Engineer's original product. Our Professional Engineer shall adhere to professional guidelines established in Florida Administrative Rule 61 G15-27.001.

Our Team will make the necessary changes, revisions, modifications, etc. to prepare a signed and sealed contract document set that incorporates the intent of the conceptual specifications, and conceptual plans. In this capacity, our Team will make all requisite changes and revisions required by the Miami-Dade County and/or jurisdictional agencies.

Our Team will prepare signed and sealed contract documents for Miami-Dade WASD's review and will verify that the Project intent meets the terms of the contract. Our Team will also utilize Miami-Dade County Water & Sewer Department Design and Construction Standard Specifications and Details, dated August 1999 and any updates to supplement any details required to complete the Project.

Contract Document Preparation (Drawings/Specifications): Our Team will make the necessary changes, revisions, modification, etc. to prepare our contract document set that incorporates the intent of the conceptual specifications and conceptual plans. Our contract document set will be submitted to M-D WASD to verify that the Project intent is in compliance with at the 70% and 100% design milestones.

A.2.1.2 Scope of Professional Services:
The following is a list of design activities that our team will incorporate into our Contract Documents:

Topographic Survey: Our Team will verify/update the information presented as existing conditions in the Conceptual Plans to the extent necessary to ensure that to the greatest degree possible the proposed improvements do not negatively impact existing/ proposed facilities, comply with ADA requirements for access to existing buildings, design/verify rim/grate elevations of proposed access manholes to match existing surrounding grades, verify that recent improvements are properly identified, and proposed improvements which are not in conflict with existing conditions.

Additionally our team will review and amend the existing topographic survey, as needed to meet the requirements of the scope of work and will submit an updated final signed and sealed topographic survey of the Project, meeting the requirements of the M-D WASD for review and approval at the 70% design milestone.

Proposed 72-inch RWM: Our Team has familiarized itself with the Conceptual and the County's feasibility studies to design and construct the 72-inch RWM within the established design guidelines and budget. Our firm will incorporate the following items into our contract documents:

A complete set of construction documents, including signed and sealed plans & specifications, required temporary and permanent construction easements and needed permits for all affected private/public agencies for the construction of the proposed 72-inch RWM, that meet the intent of the project scope and budget.

Relocation of Existing Underground Utilities: It will be our Team's responsibility to coordinate the relocation of any and all existing utilities that are in conflict with the proposed improvements as depicted in the contract documents. These include but are not necessarily limited to: FPL, AT&T of Florida, Charter Communications, Level 3 Communications, Adelphia Communications, AT&T Long Distance, Teco-Peoples Gas, NUI-City Gas Company, Florida Gas Transmission, MCI WorldCom, M-D WASD, and M-D PWD, etc. It will be our Team's responsibility to verify that the final contract documents are free of conflict with known utilities. Our Team will be responsible for assisting the County in the coordination to relocate existing utilities that are found to be in conflict with proposed improvements. M-D WASD will realized the benefits of our Team additionally being the Engineer of Record; hence, our Team will have considerable latitude in resolving utility conflict provided that such methods meet applicable codes/ standards and they are approved by the respective utility owner.

The following utility companies have been identified by the RIC-MAN/LANZO/APCTE Team as possible having facilities within the pipeline project limits.

UTILITY COMPANY	CONTACT PERSON	TELEPHONE	FACILTY IN AREA
Florida Power & light	Tracy Stern	(305) 442-5966	YES
AT&T of Florida	Steve Massie	(305) 222-8745	YES
Teco-Peoples Gas	Angel Quant	(954) 453-0871	YES
Charter Comm.	Frances Bauta	(305) 861-8069	YES
Level 3 Communications	Glenn Harbour	(305) 416-7200	YES
Adelphia Communications	Mercedes Anderson	(305) 238-7690	*
AT&T Communications	Steve Massie	(305) 222-8745	YES
NUI-City Gas Co.	Alan Williams	(305) 691-8710	YES
Florida Gas Transmission	Joseph E. Sanchez	(407) 838-7171	YES
MCI World Com.	Virgil Springer	(561) 714-3182	YES
M-D WASD	Phillip Torres	(786) 268-5214	YES
M-D PWD	Modesto Nunez	(305) 375-1930	YES
Comcast	Alberto Fusi	(954) 534-7404	YES
Florida City Gas	Dexter Pinkey	(305) 835-3632	YES
Buckeye/Everglades Pipeline	Garry Wurster	(954) 522-8464	YES
FPL Fibernet	Noel Reese	(305) 552-3249	YES

* Utility Companies that may not have facilities in this neighborhood

During the design process, coordination meetings will be held between the utility companies and the design team to minimize utility conflicts. Underground sub-surface vacuum excavations will be ordered shortly after the first meeting if it is suspected that underground conflicts exist. If conflicts exist then utility relocation or adjustments will be included in the design process. At about 70% completion, we will distribute to all utility companies a complete set of plans and will request a utility design meeting with all involved utility companies. Utility companies with conflicts will be given three weeks to provide a utility relocation schedule in order to meet the anticipated clear date.

Existing Utility Verification: Our Team will utilize whatever means necessary to ensure that the proposed improvements illustrated in our final design drawings are not in conflict with existing underground utilities. Our Team will submit its contract documents and correspondence to each utility owner and request that they identify/verify the horizontal and vertical location of their utilities, with a copy to the M-D WASD Project manager. We will field verify each utility and/or manhole excavation, utility crossing, utility tie-in and excavation greater than 12-inches in depth and verify the location and depth of such identified utilities. Methods to be considered by our Team include but not are necessarily limited to subsurface utility exploration in accordance with ASCE Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data (Quality Level A), vacuum extraction, water extraction, ground penetrating radar, magnetic survey, potholing, or other method deemed appropriate by our Team. We will also verify the design of the proposed improvements with respect to potential conflicts with identified existing utilities.

Maintenance of Vehicular / Pedestrian Traffic

A vital design goal of our team will be to develop a Traffic Control Plan (TCP) to:

- Minimize disruptions and inconveniences to residential and business owners and maintain access to properties at all times.
- Maintain safe pedestrian traffic at all times by keeping sidewalks open.
- Maximize available parking during construction.
- Ensure safety of drivers, pedestrians and workers.
- Provide notification 14 days prior to all planned disruptions to schools, County's Fire and Police Department, M-D Transit and the Post Office.

- Provide provisions when vehicular access to homes is not possible for parking of vehicles, an area for parking shall be provided within one block of the furthest home affected. This condition is to be avoided whenever possible and shall last no longer than five (5) working days.
- All corrective work on private property necessitated by damage that may have occurred during construction activities, including but not limited to the restoration of landscaping, driveways, sidewalks, and utility connection will be completed in an expeditious manner.
- Provide notification of all affected residents a minimum of forty eight (48) hours prior to a shut off of water supply. Any water supply interruptions shall be scheduled to be as short as possible and not to exceed six (6) hours. For multi-family apartments or condominium complexes, written notice of planned disruptions will be directed to the Condominium Association's Management Companies. Condominium Association's Board of Directors, Apartment Property Managers or other property managing companies or individuals via certified mail; for single family residences and businesses written notices shall be directed to the residents via door hangers.
- Provide access for emergency vehicles at all times to all homes and businesses. Excavation will be back-filled or barricaded at the end of each workday to prevent hazardous conditions. If a trench, is to be left open, it will be covered with a steel plate and made accessible to residents and businesses at the end of each workday or when work will be suspended for more than eight (8) hours.
- We will coordinate with the appropriate local agencies and private companies that provide services to the residents, as required provide uninterrupted bus, school bus, garbage collection, mail delivery and other service during the work period. A traffic maintenance plan indicating proposed street closings, schedules, and alternate routes, which have been approved by the applicable jurisdictional agency, will be submitted to all affected agencies for coordination and routing purposes.
- Provide access provisions for handicapped or disabled residents if construction prevents access to their homes.
- Provide a staging plan which will be developed for review and acceptance by M-D WASD. The plan will provide for the staging of necessary equipment, material and field operation trailers.

Construction Sequencing Plan: Our Team will incorporate the construction sequencing restrictions presented in the Summary of Construction Work Section into our contract documents. The construction sequencing will be developed and submitted to M-D WASD for review and approval. The sequencing plan will be developed in a manner to minimize disruption to the immediate and surrounding areas' public and private facilities.

A.2.1.3 Contract Document Permitting

Our Team will prepare applications and such documents and design data as may be required to procure approval from all such governmental authorities that have jurisdiction over the Project as represented in our contract documents. All Permit Fees will be paid or reimbursed by M-D WASD. Our Team will be responsible for meetings, submissions, resubmissions and negotiations with permitting authorities/departments. M-D WASD will attend meetings with governmental entities as deemed necessary by M-D WASD. Our team will respond to comments by such entities within ten working days of receipt of comments. It is recognized by M-D WASD that the time period for obtaining permits is beyond the control of our Team except for issues concerning the permitting agency requests for information. Our Team will be responsible for monitoring and tracking progress on the preparation and review of permits and subsequent requests for information. Our Team will correspond with noted jurisdictional authorities to establish permitting requirements, revise its documents and respond to permitting inquires as required in an expeditious manner. Our team will copy the M-D WASD Program Manager on all correspondences and also attend meetings with the M-D WASD PROJECT MANAGER and M-D WASD staff to review and discuss permitting status. The following governmental/private authorities that have or may have jurisdiction over Project have been identified below:

- Miami-Dade County Water and Sewer Department (M-D WASD)
- Miami-Dade County Department of Environmental Resource Management (M-D DERM)
- Miami-Dade County Public Works Department (M-D PWD)
- Miami-Dade Department of Health and Rehabilitative Services
- South Florida Water Management District (SFWMD)
- Florida Department of Transportation (FDOT)
- Florida Department of Environmental Protection (FDEP)
- U.S. Army Corps of Engineers
- U.S Environmental Protection Agency
- City of Doral
- City of Miami Springs
- City of Hialeah
- FEC Railway (Utility Crossing License)

Failure to identify government authorities that have jurisdiction over Project at the time of permitting does not relieve our Team from responsibility to pursue the permit as described above. Note that this effort includes the procurement of permit extensions, whether existing or new.

A.2.1.4 Review of Contract Documents by M-D WASD

Our Team will submit to the Department Project Manager for review and comments, the contract documents at the 70% and 100% completion stages. The submittal of the progress review contract documents will be in compliance with the requirements of M-D WASD Design and Construction Standard Specifications and Details for each completion stage. All review comments generated by the Department Project Manager and Department Staff will be addressed and included in the subsequent submittal. M-D WASD will review such drawings and respond with comments within 14 days.

A.2.2 CONSTRUCTION ACTIVITIES

A.2.2.1 Introduction

RIC-MAN /LANZO have built a reputation over the last 25 years in South Florida for the highest quality work and higher than expected performance. Every job performed by RIC-MAN/LANZO stand on its own as a standard of quality not limited to just the resulting product but also to the methods, means and process used to carry out the work. From the early planning of the work to ample client coordination, from efficient operations to expedited completions, from value engineering to change-order management, the RIC-MAN/LANZO name insures quality and trust.

A.2.2.2 Community Design Review Meeting (CDRM), Pre-Construction Meeting (PCM) and Pre-Construction Conference (PCC)

The RIC-MAN/LANZO/APCTE team will make the design plans available to the community throughout the design process. Having completed the development and received Department Project Manger approval of 70% contract documents, the RIC-MAN/LANZO/APCTE team will prepare the necessary presentation materials to hold a community design review meeting (CDRM). The objective of the CDRM is to provide the community with a review of the progress and the conceptual direction being taken by the design team. The design team will be prepared to answer any questions regarding the design concepts and to record community input and concerns. Based upon the input provided by the residents/elected officials, the RIC-MAN/LANZO/APCTE team will incorporate any necessary contract documents revisions as approved by the County.

Upon completion and acceptance of the 100% contract documents, the RIC-MAN/LANZO/APCTE team will prepare the necessary presentation materials to convene a community pre-construction meeting (PCM). The objective of the PCM meeting will be to inform and advise the community residents regarding the scheduling, sequencing and possible impacts of construction activities. It will also provide the opportunity to once again receive input from the community regarding concerns and special needs. The RIC-MAN/LANZO/APCTE team will prepare a draft meeting agenda and draft meeting minutes for review and comment by the Project Manager. Based upon the input provided by the residents, the RIC-MAN/LANZO/APCTE team will incorporate any necessary contract documents revisions as approved by the Department.

A minimum or 10 days prior to the start of construction, the RIC-MAN/LANZO/APCTE team will attend a Pre-Construction Conference (PCC) convened by the Department Project Manager and other County departments, representatives of utilities companies, and affected government agencies. The purpose of the PCC is to advise others affected by the work regarding the schedule and sequencing of the operations and provide the necessary contact information for all responsible parties.

A.2.2.3 Pre-Construction Audio / Visual Record

Soon after award RIC-MAN/LANZO/APCTE will create the audio/visual record of this project, the time and date of this work will be provided to the County in advance and we will provide the Department Project Manger with two copies of a professionally produced audio/visual record of the preconstruction condition along the entire length of the project.

A.2.2.4 Traffic Control Plan

RIC-MAN/LANZO will, at all times conduct the construction work in a manner that will insure the least obstruction to traffic as possible and practical. Convenience of the general public and area residents and businesses shall be of primary concern and provided for in a satisfactory manner.

The RIC-MAN/LANZO/APCTE team will submit a complete Traffic Control Plan (TCP) during the design phase. This TCP will be based on the proposed phasing of the construction activities, and identify traffic flows during each phase. In addition, the RIC-MAN/LANZO/APCTE team will provide a detailed plan showing TCP's prior to commencing work. Permission to close any street will be requested from the Miami-Dade County Public Works Department, the City of Doral, The City of Miami Springs and the Florida Department of Transportation.

RIC-MAN/LANZO will at all time provide clear and sufficient traffic control devices and personnel to insure the safe and efficient flow of vehicular, pedestrian, mass transit, school and special needs traffic. Proper advanced notification will be made to residents, County and Cities Departments, local business, schools, and health, religious and cultural institutions before any traffic impacts are implemented.

The RIC-MAN/LANZO will make all necessary provisions to provide access to driveways at the end of each workday. If a driveway is not accessible, the homeowner will have been previously notified and be given

access to a neighboring swale area for temporary parking. For no reason, will a homeowner's access or parking be restricted for longer than three (3) working days. The RIC-MAN/LANZO/APCTE team will make access provisions for handicapped and disabled residents if construction prevents access to homes. Access to emergency vehicles will be provided at all times to all homes and businesses.

A.2.2.5 Mobilization

RIC-MAN/LANZO/APCTE will develop a staging plan and establish, with Department Project Manager approval and based on the locations identified in the contract documents, an office and staging area for the necessary materials, equipment and field operations and staff. The office will be in the nearby vicinity of the project and have all the necessary utilities and accessibility needed to conduct field meetings and maintain field documents. RIC-MAN/LANZO/APCTE will provide and maintain sufficient resources to adequately maintain project progress as scheduled.

Before any excavation takes place, the proper utility clearance will be obtained from the Florida's Sunshine One Call.

A.2.2.6 Construction Sequencing and Scheduling

RIC-MAN/LANZO/APCTE will schedule and perform the WORK in such a manner as to result in the least possible disruption to the public's use of roadways, driveways, and utilities. Our team will propose a limited construction work zone approach to the Department for approval that will maintain adequate traffic flow for the neighborhood area as well as for safety and emergency access. Our team will also deliver written notice to the Department Project Manager and property occupants (private and public) of all planned disruption to roadway, sidewalks, driveways, and utilities 72 hours in advance of disruption. In addition, all notification of planned disruptions will be coordinated with the Department Project Manager and affected municipalities. Weekly notices of construction activity locations and durations, detours, vehicular traffic and parking restrictions as well as pedestrian traffic restrictions will issued to all affected County Departments, local municipalities, area residents and business. M-D WASD will be responsible for notices to the general public through print and radio media. Door hangers will be provided by the RIC-MAN/LANZO/APCTE Team.

If other projects will be connected to portions of WORK constructed as part of this project, it may be necessary to sequence portions of this project. Our Firm will be responsible for coordinating construction activities and tie-ins with Contractor's of adjacent projects as required.

Our firm will sequence the WORK so as to minimize impact on residents. Our FIRM will notify schools, the County's and City's Fire and Police Department, Miami-Dade Transit, and the Post Office 7 days prior to planned disruptions.

The work will be sequenced so that all testing and certifications are performed prior to placing into operation the proposed RWM. In addition to the above, the following restrictions will be maintained:

- Our FIRM will provide a detailed phasing and Maintenance of Traffic plans, for review and acceptance by the PROGRAM MANAGER, and affected cities prior to the commencement of any construction activities.

- Our FIRM'S phasing plans will clearly illustrate the Firm's WORK intent. Each phase shall be broken down into sub-phases that allow work linked to the Project's Construction Schedule.

- In no case will more than 1500 linear feet of pipe in a street be under construction at one time in the public right-of-way. All roadways surface shall be restored with asphalt. Asphalt transitions between

new and existing pavements at the limit of work shall be placed at a maximum slope of five (5%) percent.

- RIC-MAN/LANZO will provide temporary asphalt patching for the critical intersections upon completion of the pipe and backfill operations.

- RIC-MAN/LANZO will make every effort to provide access to storefronts/businesses for delivery and pedestrian traffic purposes at all times. Access to all businesses shall be maintained for as long as practical during construction.

- Our team will coordinate the construction phases to expedite the work while minimizing the impact to the community. All corrective work on private property necessitated by damage or disruption that may have occurred during construction activities, including but not limited to the restoration of landscaping, driveways, sidewalks, and utility connection will be complete expeditiously.

- To the greatest degree possible, all materials and equipment will be stored in a enclosed area during non-working hours. Pipe and material will be strung out along installation routes, in a matter that will not block access to businesses and residents as much as practical and in such cases arrangements will be made with business and residents for alternate access. RIC-MAN/LANZO will store minimal amount of material on site within designated areas.

- Street and Park lighting will be maintained in operation at all times during construction. Our FIRM will provide temporary power supply and/or temporary lighting when necessary, to maintain lighting conditions meeting the existing lighting conditions.

- RIC-MAN/LANZO/APCTE will develop a staging plan for review and acceptance by the PROJECT MANAGER. The plan will provide for the staging of necessary equipment, material and field operation trailers.

Substantial Completion: Project Substantial Completion, as defined in our Unsolicited Proposal Schedule, shall be achieved within **1095 calendar days** of the Notice-to–Proceed (NTP).

The RIC-MAN/LANZO/APCTE team will prepare a CPM based schedule of work activities that will assist the Department in evaluating the progress of the work, permit the timely prediction of work events and milestones, and insure adequate planning and execution of the contract work. The schedule will detail each proposed activity with sequence, and time duration. The schedule will be coordinated with the department, sub-contractors and suppliers in order to insure compliance with "long lead items" delivery schedules.

The project schedule will be updated monthly and submitted to the Department Project Manager for review and approval. It is understood that the project schedule is the RIC-MAN/LANZO/APCTE team's best plan and estimate for the execution of the contract work, but will be required to be revised from time-to-time as progress proceeds.

A.2.2.7 Environmental Protection

At all time the RIC-MAN/LANZO/APCTE team will endeavor to perform all work required for the prevention of environmental pollution as a result of the contract work. This includes air, water, land, noise, solid waste and radiant

energy as well as other pollutants. The RIC-MAN/LANZO/APCTE team will specially work and take all necessary steps to protect the water quality in the waters surrounding the project work areas and will utilize any additional measures to insure such protection.

All the cost associated with groundwater contamination and soil remediation will be treated under an allowance account that would be provided by M-D Water and Sewer Department.

A.2.2.8 Construction Elements

Pipeline Construction

The RIC-MAN/LANZO/APCTE team will, upon completion and acceptance of the raw water main design plans and specifications, provide a full listing and submittals, product data sheets, and samples of all materials to be used in the construction of the water main replacement/upgrades. All materials to be used will be in full accordance with the approved plans and specifications, the design criteria package and the M-D WASD Design and Construction Standard Specifications and Details. Approval of all proposed materials will be acquired from the Engineer of Record.

A.3 PROJECT MANAGEMENT PLAN

Our Team has the ability to offer M-D WASD a team that is unmatched in terms of quantity and quality.

A.3.1 COORDINATION PLAN

The RIC-MAN/LANZO/APCTE team realizes that effective coordination is critical to the success of this project. All project coordination will be accomplished through open communication and in a timely manner. Project coordination with a design-build project is not segmented along traditional project roles. RIC-MAN and Lanzo will be greatly involved in the design process and APCTE and its sub-consultants will provide assistance throughout construction. A key element of our coordination plan is the level of coordination between the General Manager (Mr. Rene L. Castillo) and the Design Project Manager (Mr. Arnelio Alfonso, P.E.). Rene and Arnelio have been working together as a team for the last five years in four (4) very successful design-build contracts. This is one of our major strengths. RIC-MAN/APCTE is a true Design-Build Team where communication is fluid and precise, and equally resourceful in innovative ideas and techniques. Our experience together in the Washington Avenue, Lummus, Prairie Neighborhood and Nautilus Neighborhood Projects for the City of Miami Beach allows us to say with confidence that we are the best possible team for this assignment.

We have proven that we can work together and cooperatively with governmental agencies such as M-D WASD, regulatory agencies, utility companies and local community groups to successfully complete this project requirements on schedule and within budget.

A.3.2 INTERNAL COORDINATION

Internal coordination with the design-build team members will be through regular team meetings, electronic correspondence, and weekly progress meetings. The contractors, designers, Department Project Manager, CE&I, and design reviewers will be involved in all aspects throughout the duration of the project. Along with the team meetings and monthly progress meetings, a kick-off meeting with the Department, representatives of Utility Companies, and other relevant agencies will be requested immediately after the award of Contract and Notice to Proceed (NTP). The purpose of these meetings will be to make introductions to key personnel and to review the design-build team's preliminary work plans and schedule. Team meetings, progress

meetings, and partnering meetings will be scheduled, and the project schedule will be reviewed. Key issues will also be discussed and preliminary action plans will be developed.

A.3.3 EXTERNAL COORDINATION

Coordination with the public, to include M-D WASD and any affected municipalities through meetings and presentations as needed, will be implemented. It will be very important that all stakeholders be informed of project goals, schedules, and any potential disruptions. Also, our team will proactively work with the public and local governments to address issues before they become problems.

A.3.3.1 Public Meetings and Coordination

RIC-MAN/LANZO/APCTE will hold informational meetings with the County and City officials, residents, businesses, and other institutions that are potentially impacted by the project. These meetings will keep all concerned parties informed about the progress of the project. We will be proactive in identifying impacted residents, businesses, and other institutions and develop communication that concerns them specifically.

RIC-MAN/LANZO/APCTE will coordinate with representatives of the M-D WASD Public Information and special events office to minimize impacts resulting from conventions and special events.

Additionally, we will assist the Department to provide information to establish their project web site that will provide answers to questions about the project's status, process, and technologies involved. The web site will be updated regularly showing the project's progress through construction. The web site can be equipped with a web cam that will enable users to view day-to-day activities of the construction project. We look forward to continuing a close working relationship with the M-D County and its residents.

Also RIC-MAN/LANZO/APCTE are willing and will be available to attend commission and resident meetings and prepare "fact sheets" and presentation for those meetings. See Section A.3.4 of this section for a more detailed description on the RIC-MAN/LANZO/APCTE team Public Involvement Plan.

A.3.3.2 Utility Coordination

All existing and proposed utilities will be incorporated into the design through detailed coordination with each utility owner. Early identification and resolution of utility conflicts during construction are essential to meeting schedule milestones.

A.3.3.3 Permits

Environmental permit coordination will be made with SFWMD, DERM, MDWASD, MDHD, EPA, FDEP, and others. The design-build team will complete permit applications initiated by the Department and work closely with all agencies to ensure prompt approval within schedule. All permitting activities will be coordinated with M-D WASD. The RIC-MAN/LANZO/APCTE team has identified and summarized the required permits for this project in the Section A.2.1.3 of this section.

A.3.4 PUBLIC INVOLVEMENT PLAN (PIP)

Public Involvement and Coordination has been identified as critical components of this project. Close coordination with the community, affected local municipalities, and County is essential to the success of this design / build project.

A.3.4.1 Location

The project area consists of single family homes, schools, parks, commercial and industrial areas. Due to the large geographic area that project encompasses, issues will be complex and diversity of interests will be great. The Public Involvement Plan will be based upon a two-way communication and collaborative problem solving model with the goal of reaching better, more informed decisions. Public Involvement activities will range from focus meetings, educational and technical briefings, presentations to interested parties, brochures, fact sheets, newsletters, project website, comment cards, door to door notifications, and weekly email updates. Stakeholders and other interested parties will also be invited to participate in the Community Design Review Meeting (CDRM) and Pre-Construction Meeting (PCM).

The main goal of our Public Involvement Plan will be to keep the public informed about this Project during the design and construction phases and always be aware of their concerns in order to utilize their input in the development of the plans. Open and frank discussions with the affected public will allow us to develop consensus on important issues. The exchange of ideas and information between the City, Contractor and interested individuals and groups will be critical to resolve the challenges of this important project. A public participation/public outreach plan will be implemented to inform the public, gather information, identify concerns, develop consensus and develop and maintain credibility. The overall objective of all outreach activities will be to ensure that the community and other interested parties are informed and educated of this Project and that the design will be reflective of the input received from stakeholders and public. Further, it will provide visible ways to participate in the process and provide equal access to information and decision-makers regardless of viewpoint. The important point is that the goals of this project should be jointly developed by the Department and the Public, mutually agreed to, and clearly established from day one in order to facilitate their achievement.

After the design is completed and subsequent to the pre-construction conference, the RIC-MAN/LANZO/APCTE Team will have a community conference where business owners, residents, and Department representatives can come together to discuss and inform the residents and business owners of the procedures that will be followed. At this meeting our proposed work schedule will be discussed. Work during legal holidays will not be performed. This community conference will be an opportunity for business owners and residents to voice any concerns or suggestions which may aid in the smooth construction of the project.

The RIC-MAN/LANZO/APCTE Team will hold informational meetings with the Department's and City's officials, business owners, and residents. These meetings will keep all concerned parties informed about the progress of the project, while providing opportunities for all concerned to have a real voice in the process of this project. We will be proactive in identifying impacted residents and businesses and develop communications that concerns them specifically.

The RIC-MAN/LANZO/APCTE Team plans to issue an initial informational newsletter about the project which will include:

- Project fact sheet
- Contact information
- Project schedule

In the following section we summarize the public involvement activities that will be included in our Public Involvement Plan for this project.

A.3.4.2 Public Involvement Activities

Newsletters

Newsletters are essential public information materials that will provide straight forward information to the public and key stakeholders about this project. The newsletter will contain up-to-date project information

allowing the reader to follow the project's progress. The newsletter will be written in a clear, concise user-friendly and appropriate language and will be widely distributed to the project's mailing list. The newsletter will also inform the public and stakeholders how to make comments, get more involved, or get on the mailing list.

Mailing List
A comprehensive contact list/database of residents, business owners, and other interested parties will be maintained. The list will build upon the existing list of known stakeholders and will be constantly updated.

Door-to-Door
Door-to-door visits will be conducted in order to assure that communication between the contractor and the stakeholders is maximized. This activity is very effective when used to confirm contact information and gather further information like alternative methods of contact and inquire information about stakeholders with special needs as wheelchair accessibility.

Public information and Input Materials
A comment card/form and Fact Sheet will be developed to gather the public's feedback and input and provide them with information concerning this Project. The comment card/form and Fact Sheet will be distributed in person while visiting door-to-door, at the Community Design Meeting (CDM) and at the Pre-Construction meeting (PCM). The comment card/form and Fact Sheet will be distributed via fax and email.

Advance Notification
The Advance Notification Process is an opportunity for individuals affected by the project to be informed of the project elements and provide insight into the potential impacts of the project.

During Design
At the beginning of the design process, correspondence will be sent to all persons in the planning phase database (and any others identified between the planning and design phase) to inform them of design activities. The correspondence will include a description of expected design activities. This will include any anticipated survey work on private property as well as notice about the anticipated Community Design Review Meeting (CDRM). Correspondence may take form of a letter or other unique forms of communications. Notices will include a map of the project/effort location, an explanation of the meeting's purpose, and the time, date and location of the meeting(s). The notice will present information in easily understood language that avoids technical terms and industry jargon. The notice will invite public comment and provide a telephone number and mailing address of the Public Information Officer.

During Construction
Before construction begins, correspondence will be sent to all persons on the database at the end of the design phase to inform them of impending construction and invite them to attend the Pre-Construction Meeting (PCM). Correspondence may take form of a letter or other unique forms of communications. Notices will include a map of the project location, an explanation of the meeting's purpose, and the time, date and location of the meeting(s). The notice will invite public comment and provide a telephone number and mailing address of the Public Information Officer. A media release will be prepared and distributed prior to construction that provides information about impending construction activity in the project area. The media release will be distributed to at least one newspaper in the project area with wide circulation.

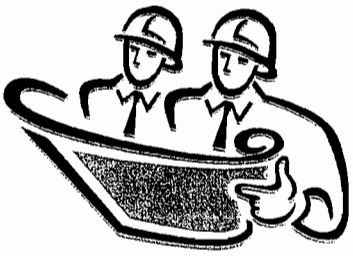
Setting Meeting(s) Date and Location
Meetings will be held at times convenient for the community. Times will also be adjusted in response to the concerns and advice of community leaders and/or the Department. Meeting location will meet the

following facility guidelines: 1. Location will be in a well-lighted safe area as near to the project area as is feasible. 2. Consideration will be given to access for disabled individuals and others covered under the ADA to the meeting and restroom facilities.

A.4 QUALITY ASSURANCE (QA) / QUALITY CONTROL (QC) PLAN

RIC-MAN/LANZO in association with APCTE will provide for this project a three tier Quality Assurance/Quality Control Plan addressing quality issues in the processes of Design, Construction and Limited Construction Management of this project.

RIC-MAN/LANZO will modify its "Contractor Quality Control Program" to cover the specific construction needs of this project.



Likewise APCTE will customize the company's "Plan for Design and Construction of Quality Projects" to suit the requirements for this project, including the needs of property owners, merchants and the public in general. A & P's Quality Control Plan is twofold; one section of the plan addresses issues related to quality in Design with emphasis in plans quality, constructability, and the other section deals with issues related to the control of quality during the process of construction through Engineering Inspection.

Following is a detailed description of the three plans.

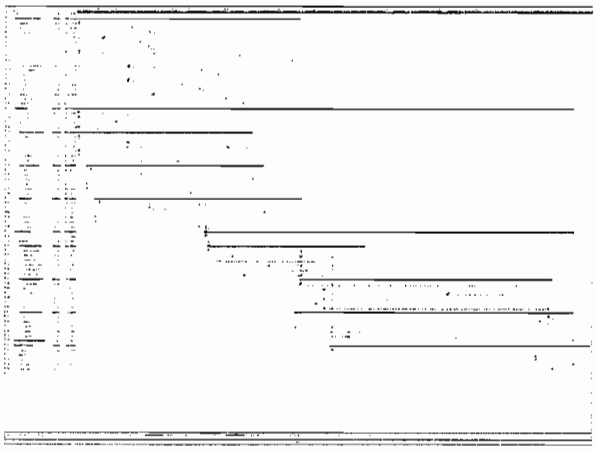
A.4.1 QUALITY ASSURANCE (QA) / QUALITY CONTROL (QC) RELATED TO THE DESIGN PROCESS

All plans, specifications and estimates prepared by the Team will be prepared in accordance with a documented Quality Control Plan that assures accountability, accuracy completeness, legibility, application of appropriate design criteria, and good engineering practice.

The plan addresses the ownership and importance of accurate construction cost estimates throughout the design-build process.

The goal of this plan is to emphasize a team approach to successful project development to produce a high quality project on time and within acceptable budget constraints and time schedules, to minimize construction conflicts, and assure constructability.

A.4.1.1 Project Schedule



Input from the company's various support sections will be obtained to ascertain the true time periods required for each activity and the order of precedence. Once this information is compiled, the Design Project Manager will prepare the schedule. Any changes to the schedule must consider activity durations and precedence requirements and be approved by the Project Manager. It will be the responsibility of the Design Project Manager to guarantee that an accurate project schedule is maintained throughout the entire design project. Our Team understands that schedule, in conjunction with safety, quality, and maintenance of vehicular/pedestrian

traffic and reducing the inconvenience to the public, are important elements of this project. Our team also recognizes that proper management of the schedule is essential to guarantee on-time performance. We have enclosed a preliminary design and construction project schedule for this project at the end of this Section A. To meet the demands of both the design and construction schedules, we will have the design and construction team working on different project components simultaneously. We will also coordinate early on with the Department and other permitting agencies to obtain the required permits for this project. The RIC-MAN/LANZO/APCTE Team has the experience and resources to effectively complete this project.

A.4.1.2 Quality Control Plans

The company Quality Control Plan includes procedures by which all plan, specifications and estimates products are independently checked by professionals other than those preparing those products to assure accuracy, completeness, legibility, proper application of appropriate engineering criteria and compliance with all applicable current Manuals and Standards. This independent check procedure shall be documented in the project file and shall be accomplished and reflected in the product prior to the phase review submittal to the company Quality Control Engineer. The Project Manager is responsible for ensuring that the Quality Control Plan is followed.

A.4.1.3 Phase Submittal and Review Procedures

All plans and specifications prepared will be submitted to and reviewed in accordance with requirements contained in this Quality Control Plan. Quality Control shall be part of all production processes and quality control reviews will be performed by the applicable design team. These reviews are performed to allow all company units to provide their input regarding the project plans. Submittals will be made by the Project Manager at each phase of completion.

It is incumbent upon the Project Manager to anticipate the necessary involvement of outside groups and/or local governments in the development and review of a project. The Project Manager must solicit the involvement of any individual or agency which has a legitimate stake in the project.

All plans and specifications submitted for phase reviews will be formally checked for completeness and conformance to current Standards and Criteria by the company Review Team. The technical accuracy required for the design is the designer's responsibility. All plan documents are to be prepared in accordance with all applicable criteria generated or adopted by the company.

Company Review Team members are required to review each phase submittal and submit a written response to the Project Manager stating their concerns and questions. Even reviews which indicate no concern or involvement of that section must be made in writing, and returned to the Project Manager.

Upon completion of each phase review, the project manager must complete and distribute the Phase Review Document and copies of comments and responses to the Quality Control Manager.

Since reviewers benefit from the awareness of other reviewers comments, all comments and responses thereto are to be distributed to each reviewer. In the review of the subsequent phase of the project, reviewers should check that the previous phase comments were implemented.

On this project, formal on-site reviews shall be made to ensure the design is appropriate and that no physical features have been altered or added.

A.4.1.4 Review Schedules, Completeness and Motivation

This Quality Control Plan is intended to be dynamic and subject to change to promote and achieve a quality product. It is therefore essential that all plans and specifications fully comply with the degree of completeness

required for each phase and that all reviews conducted be complete, comprehensive and consistent with the requirements of that phase. It is also essential that submittals and reviews be made as scheduled to ensure that adequate time is given to all participants in the process and that all participants are personally motivated to contribute to Quality Products.

A.4.1.5 Constructability Reviews

The plans will be reviewed from the broad perspective of constructability. This review provides assurance that what is shown on the plans can be built at the specified location, within the parameters of the traffic control plans, utilizing conventional construction techniques, equipment and materials.

Constructability reviews will be performed by RIC-MAN International and Lanzo Construction staff which has extensive experience in both design and construction on this type of project.

A.4.1.6 Design/Construction Coordination

RIC-MAN/LANZO/APCTE recognizes that, despite the best quality control measures, there will still be unavoidable circumstances which cause conflicts during the construction phase, therefore we also recognize that immediate attention to these inevitable conflicts is imperative. As a result, Construction Manager's personnel will respond as quickly as possible to requests from the Department's Project Manager for assistance with construction conflict resolution. If the Construction Manager is unavailable for whatever reason, a principal or officer of the Construction Manager Company is to be contacted to assign a substitute who will handle the matter. Under no circumstances are conflicts in the field to remain unresolved for any longer period than is absolutely necessary. The Construction Manager or his assigned substitute will be responsible for guaranteeing that this process is followed.

A.4.1.7 Information Sharing

Project Book:

The project will be required to have a Project Design Book. This book will compile all of the relevant design information needed to document the scope of work. Its purpose is to record and justify all decisions made which shape the direction of the project.

A.4.2 QA/QC PROCESS - RELATED TO THE CONSTRUCTION PROCESS

A.4.2.1 Objective of the Quality Control Program

The objective of this Quality Control Program (QC Program) is to establish the necessary level of control to enable RIC-MAN/LANZO to:

- Put forth the TEAM effort as a commitment and goal to strive towards a quality product to present to the owner.
- Establish and maintain a cohesive relationship between the Contractor and/or Owner and their representatives.
- Adapt a philosophy that will guarantee that Quality Assurance becomes a normal part of each day.
- Implement the program, utilizing knowledge and experience, to provide solutions for all parties involved.
- To better control and develop testing and inspection procedures.

A.4.2.2 Overview of the Quality Control Program

The QC Program will establish parameters necessary to measure and control quality of work done by RIC-MAN/LANZO forces and Subcontractor forces. Inspections of the ongoing work and installations of materials will be the method used to examine and enforce the need for Quality Assurance. This QC Program will take

the necessary steps to ensure the conformance to the Plans and Specifications with respect to material, workmanship, construction, finish, and functional performance.

RIC-MAN/LANZO will create and maintain a cohesive relationship with the Designer/Inspection Staff and/or Owner and their representatives to ensure that during the construction of the project a quality job is provided. The project Team will also cooperate and coordinate with the Designer/Inspection Staff and or/Owner and their representatives in the inspections and testing specified or required by the Plans and Specifications.

The entire Project Team will be responsible for the enforcement and fulfillment of this QC Program. The TEAM COMMITMENT and GOAL is to strive towards a quality product. Adapting to this philosophy will assure that Quality Assurance becomes a normal part of each day.

RIC-MAN/LANZO through the utilization of this Quality Control Program strives to obtain a uniform level of workmanship throughout all phases of procurement, fabrication, installation and construction. To assure this goal, the following principles will be observed.

- Conform to contractual requirements, plans, specifications, applicable standards and RIC-MAN/LANZO's own high standards.
- Compile accurate documentation of test certifications and other required documents.
- Emphasize the need to maintain a Safe Project.

A.4.2.3 Quality Control Organization

This section describes the organization of RIC-MAN/LANZO in relation to the Quality Control Program and describes the functions of personnel that will take part in the program. The Team's organizational chart, included in Section B, describes the authority, accountability and responsibility of the organization and the chain of command of this organization. It provides sufficient quality control personnel to satisfy all contract requirements. This quality control staff may vary in size depending on the work being performed at a point in time.

Q/A & Q/C Manager

- Will have full authorization to institute any and all actions necessary to the successful implementation of the Quality Control Program to ensure compliance with the Plans and Specifications.
- Will be the leader in a cohesive relationship with the Designer/Inspection Staff and/or Owner and all representatives.
- Will intervene between parties Contractor / Subcontractor / Owner to resolve differences should they arise.
- Will identify the key milestones to be achieved within the Quality Control Program.
- Will delegate team assignments.
- Will be responsible to assist Contractor / Subcontractor / Owner
- Will be responsible to assist Contractor / Subcontractor / Owner in the enforcement of the RIC-MAN/LANZO Safety Policy.
- Will offer advice and educate other members of the Project Team to emphasize the necessity of the QC Program.
- Will emphasize the need of the QC Program to RIC-MAN/LANZO staff and Subcontractors.
- Will be responsible for the inspection and the performance of quality control tests as required by the Plans and Specifications.
- Will perform periodic and scheduled quality control activities for the overall project.
- Will serve in the Quality Steering Team

Construction Manager / General Superintendent

- Will be responsible for the overall review, administration, control, and acceptance of the work.
- Will balance the Project Schedule/Quality/Profit Requirements throughout the project.
- Will emphasize the need to maintain a Safe Project.
- Will be responsible to assist the Superintendent in the enforcement of the RIC-MAN/LANZO Safety Policy.
- Will implement the Quality Control Plan.
- Will inspect materials, construction, and equipment for conformance to Plans and Specifications.
- Will perform periodic technical document file reviews on the project.
- Will ensure that the Shop Drawing and Working Drawings are promptly reviewed, submitted, and returned.
- Will be responsible for controlling the documentation for shop drawing submittals, inspection and quality control tests.
- Will assist the QA/QC Manager and Superintendent in achieving the goals of the QC Program.
- Will notify all parties of any changes throughout the project.
- Will emphasize safety to all project staff throughout the duration of the project.
- Will assist the Project Design Engineer in review of shop drawings and working drawings to be used on the project.

Superintendent

- Will be responsible for requesting and coordinating with the QA/QC Manager the required inspections.
- Will train and orient employees prior to work.
- Will be responsible for monitoring its assigned activities for compliance with Plans and Specifications.
- Will provide supervision and execution of the work for the project including RIC-MAN/LANZO Work Force, Subcontractors, and major material suppliers.
- Will recommend employees that may participate in awards program.
- Will educate RIC-MAN/LANZO staff of job duties.
- Will enforce the RIC-MAN/LANZO Safety Policy with RIC-MAN/LANZO Work Force and Subcontractors.
- Will inspect all work on the project being completed by Work Force and Subcontractors to ensure that the construction, workmanship, and materials are per Plans and Specifications.
- Will emphasize safety to ensure a quality product is being produced.
- Will assist QA/QC Manager by performing certain inspections and logging in the data/information.

Subcontractors

- Each Subcontractor/Testing Lab is responsible for providing certifications of its own quality control personnel.
- Will coordinate with RIC-MAN/LANZO's QA/QC Manager to assure that all work is completed and tested in conformance with the contact documents.
- Each subcontractor will notify RIC-MAN/LANZO in writing of any change in personnel and/or related certifications.

A.4.2.4 Project Progress Schedule

A Critical Path Method Schedule and/or progress schedule will guide us throughout the project ensuring that all definable items of work are completed in a determined amount of time keeping the whole project under control.

A network diagram in Primavera or Microsoft Project software will include a list of definable items of work. A definable item of work is a task, which is separated and distinct from other task and has separate control requirements. The Progress Schedule will provide information on the sequence of work tasks, task duration and milestone dates.

A.4.2.5 Submittal Schedule

A submittal schedule will list, in general; the type of submittals needed to comply with the requirements of the project. This schedule will be used as a general checklist to ensure that approvals are obtained. Submittals are necessary to ensure that the proposed materials, procedures, etc. are in compliance with the contract. In order to assure Quality Control, submittals will be delivered to Design/Inspection Staff for their review, distribution and approval.

The Submittal Schedule will be developed with the aim of having a generic list of submittals, shop drawings and requirements described in the Specifications. The submittals, which comprise of shop drawings, product and/or samples, will be submitted to the Design/Inspection Staff for review, distribution and approval. This procedure will ensure that the materials and equipment are as specified.

A.4.2.6 Inspection Requirements

RIC-MAN/LANZO will coordinate inspections for the defined scope of work to ensure quality in all phases of work.

(a) Material's Inspection

- Inspections will be conducted for material as deemed necessary, to ensure the quality of the particular feature of work.
- The QA/QC Manager will inspect material received on site and document findings appropriately.
- A RIC-MAN/LANZO Quality Control representative may also conduct the inspection (Superintendent).

(b) Field Operations Inspection

- The equipment's operator will inspect the equipment prior to the start of each shift to make sure the equipment is working properly.
- The Superintendent will inspect all areas where material is to be placed or installed to ensure that the operation is in conformance to the Plans and Specifications and is within the plan dimensions, lines and grade, and tolerances specified prior to placement or installation.
- The Superintendent will be present at time of inspections by the inspection staff and/or the governing authority. Deficiencies found during these inspections will be corrected in a timely manner.
- The QA/QC Manager or the Superintendent will conduct daily inspections of the work to confirm the operation's compliance with the Plans and Specifications. Deficient work will be noted and maintained in a Quality Control Log.

A.4.2.7 Quality Control and Testing & Inspection Plan

Testing and inspections are important parts of the Quality Control Program. Both are necessary to assure a quality product. RIC-MAN/LANZO will request from the Designer / Inspection Staff / Owner / representative's quality control tests / inspections as required under the Specifications to determine whether construction procedures are producing the desired contractual product.

A.4.2.8 Request for Inspections

RIC-MAN/LANZO is responsible for coordinating and scheduling all required testing throughout the course of the project with the designated testing agency.

A.4.2.9 Documentation

This section describes all forms and checklists to be used in order to record QA/QC issues and solutions if needed.

Forms and Checklists:

RIC-MAN/LANZO Construction Forms:

- QC meeting Forms (1) Preparatory (2) Weekly
  These forms will be used to record meeting events. The preparatory form will be used to prepare for the initial meeting.
- Weekly Contractor QC Report Form.
  Will be used to record weekly status of the project from a QA/QC point stand.
- Request for Inspection/Testing
  RIC-MAN/LANZO will complete this form to request inspection/testing.
- Inspection/Testing Log for QC purposes
  Enter data every time a Request for Inspection/Testing is completed in this form.
- Follow up form
  Complete if corrections to work are necessary.
- Lessons Learned form
  Use to document what was learned from mistakes.
- Inspection checklist for QC purposes
  Will be completed to make sure material/equipment to be used in the project arrives in good condition to the site.

Checklists:

1. Maintenance of traffic (MOT)
2. Excavation
3. Stabilization
4. Limerock Base
5. Asphalt Paving
6. Concrete formwork (line and grade)
7. Steel reinforcement
8. Cast in place concrete
9. Concrete formwork (removal)
10. Raw water main installation
11. Striping

Procedures

When to complete RIC-MAN/LANZO Construction Forms:
Forms needed to be completed daily:
Contractor Daily inspection report:
Forms needed to be completed weekly:
Contractor Quality Control Meeting-Weekly
Contractor Quality Control Report-Weekly
Contractor Inspection Checklist for QC purposes

Forms needed to be completed as needed:
Contractor Quality Control Meeting-Preparatory
Contractor Request for Inspection/Testing
Contractor Inspection/Testing Log for QC purposes

Contractor Follow Up Form
Contractor Lessons Learned

A.4.2.10 Quality Recognition

Trade workers on the project will be recognized for their accomplishments in terms of quality, safety and schedule.

Individual recognition for quality workmanship and attitude will be awarded to project workers. A nomination for quality recognition is accomplished by the foreman of each trade represented on the project, submitting nominee(s) and their contribution to the QC Manager.

Recognition for the trade worker will consist of the following:
(a) The trade worker's name and photograph will be posted on the project bulletin board.
(b) The trade worker will receive a token of appreciation.

Individuals nominated for quality recognition will be reviewed and selected on a monthly basis.

A.4.2.11 Corrective Action Requirements

The corrective action of the Quality Control Program will be implemented by taking the necessary actions to correct those items that do not comply with the Plans and Specifications.
Inspections will be conducted at various stages of the construction process to ensure satisfaction of materials, and workmanship. During the construction, process irregularities can be identified through periodic inspections of the work. This will allow RIC-MAN/LANZO to implement the corrective measures to avoid future reoccurrences.

The test results will give us the parameters to determine whether certain material or procedures provided the expected outcome. When a test result is below the required level of acceptance, a review of the work will be conducted including the test procedure. If the work is deemed out of tolerances, the quality control personnel and the responsible parties will establish the causes of failure and corrective action. The process of the work will be addressed to avoid future re-occurrences and the corrective action will remedy the out of tolerance work.

A.4.2.12 Completion of Work

After substantial completion is achieved, RIC-MAN/LANZO will prepare a deficiency list and make the corrections. The Quality Control personnel will complete an inspection prior to the pre-final inspection. All major deficiencies noted during this "completion" inspection will be corrected prior to the pre-final inspection.

During the final stages of construction, Quality Control personnel will review and complete as-built drawings. While the status of the as-built drawings is a concern throughout the project; it is of particular significance as the project comes to an end, to prevent any "loose-ends."

A.4.3 QA/QC PROCESS - AS IT RELATES TO LIMITED CONSTRUCTION MANAGEMENT

A&P Consulting Transportation Engineers, Inc. (APCTE) has valuable experience in the review, approval and implementation of M-D WASD and FDOT's Contractor Quality Control specifications. We will ensure that the contractor implements his Quality Control Plan, provides qualified personnel and performs all required material sampling, testing and reporting requirements on the project.

The following paragraphs address the project work elements affected by the Contractor Quality Control specifications, as well as identify the contractor's roles and APCTE's approach to the Materials, Sampling, and Inspection process.

A.4.3.1 APCTE Quality Assurance

APCTE will review the QC plan presented by RIC-MAN/LANZO for conformity in the following areas:

- Personnel: Identify the role and responsibility of all personnel involved in the quality control process.
- Raw Materials: Identify sources of raw materials, method of certification, and the procedures for handling non-conforming or failing materials. RIC-MAN/LANZO must also provide appropriate storage facilities.
- Plant/Field Requirements: Describe the appropriate control system in place at the plant and documentation procedures. Identify loading and shipping controls, transportation, storage and placements methods, and procedures for handling failing material. Identify testing laboratories and provide appropriate laboratory qualification, as well as any producer's quality control plan.

A.4.3.2 Pipe Backfill Material

APCTE Quality Assurance

- Ensure the material source is approved.
- Review and approve proposed thick lift construction test section.
- Spot-check lift thickness.
- Spot-check to ensure maximum size of rock within specification tolerances based upon the lift location.
- Perform verification testing of the maximum density and optimum moisture at a frequency of one per soil type.
- Ensure accurately documents test results in the density log book.
- Track density failing results.
- Spot-check finished elevation.

A.4.3.3 Stabilization

APCTE Quality Assurance

- Ensure the stabilization conforms to the final lines, grades and cross sections indicated in the contract plans and are properly mixed.
- Perform verification testing of the maximum density at a frequency of one per eight consecutive lots from one of the contractor's split samples.
- Ensure accurately documents test results in the density log book.
- Ensure the Quality Control LBR test results are within allowable tolerances of the contract plans per specification.
- Track density failing results.

A.4.3.4 Limerock Base

APCTE Quality Assurance

- Review and approve proposed thick lift construction test sections.
- Verify the material source.
- Check to ensure that the base is free of loose material, moisture, cracking, contamination, etc.
- Spot-check for blue tops and stationing.
- Perform verification testing of the maximum density at a frequency of one per sixteen consecutive lots from one of the contractor's split samples.
- Perform verification testing of the density at a frequency of one per four lots.
- Measure lime rock base cores and perform average base

thickness calculations.

- Ensure that the contractor completes the "Checklist for Base Acceptance" prior to final inspection.

A.4.3.5 Asphalt Sub-Contractor

APCTE Quality Assurance

- Review the mix designs for conformance.
- Schedule a pre-paving conference.
- Review the traffic control plan for paving operations.
- Review the condition of all equipment used on paving operations.
- Ensure the contractor has the appropriate back-up equipment on site.
- Monitor material temperature and rolling time to ensure mix is compacted within the proper temperature zone.
- Spot-check truck temperatures.
- Spot-check tack coat and application rate.
- Perform verification testing of the cores for density determination at a rate of one sub-lot per lot.
- Ensure the cross slope is within a 0.2% tolerance at a frequency of ten checks per day.

A.4.3.6 Portland Cement Concrete

APCTE Quality Assurance

- Hold a pre-pour meeting to discuss process and ensure that:
  - The concrete plant is approved.
  - Concrete mix design is approved.
  - Temperature control methods are in place.
  - Concrete placement and consolidation equipment is on site.
  - Approved weather protection system is available.
  - Appropriate concrete curing methods will be utilized.
  - Ensure concrete does not exceed the maximum allowable time restrictions between initial water introduction and final placement.

A.5 PROJECT SCHEDULE

A.5.1 General Preliminary Rough Sequence

As mentioned in the cover letter, if M-D WASD completes the full procurement process by 2008, our team is committed to complete the design and permitting process by the end of 2009 and the construction will be finished by no later than the summer of 2012. In the following table we show our preliminary construction sequence followed by a list of critical items that may affect the construction progress of this project.

ZONE	EAST	MIDDLE		WEST
ACTIVITY		Eastern	Western	
Microtunnels	FEC & Canal	826		TPK
Sequence	3rd	1st		2nd
Time Frame	2011	2010		2010
Connections	Royal Poinciana			NW 74 St
Sequence	1st			2nd
Time Frame	2010			2010
Pipelines				
Sequence	1st	2nd	2nd	1st
Time Frame	2010	2011	2011	2010

Critical items affecting the progression of the above work phasing is as follows:

- Acquirement of easements
- Procurement of tapping saddles and valves
- Procurement of 96" line-stops
- Procurement of 72" butterfly valves
- Permits from DOT for micro-tunnels
- Open-cut of FEC right of way
- Production of 72" PCCP specials
- Agency permits

The connection points sequence to the 96" will depend on the availability of the tapping materials vs. line-stops. Phasing of these two connections will be affected by review and acceptance of shop drawings and manufacturers ability to procure the raw materials and fabricate the saddles and line stops. The work on Royal Poinciana will require both a tapping saddle and line stops. Preferably the saddle and line stop should be done successively. We will schedule these two connections as their availability become evident.

The commencement of the pipeline will be controlled by the amount of special 72" pieces and the proximity of 72" butterfly valves. Ideally the pipe work will start in the areas with the most standard joints and greatest distance between valves. This will allow ample time for the fabrication of the specials and delivery of the valves, while allowing critical progress to the pipeline construction to meet our schedule. This will also be affected by the amount of closures required to skip areas as a result of choosing standard pipe sections. Closures are expensive and require a good deal of time to install; preferably it is wise to minimize the quantity of closures.

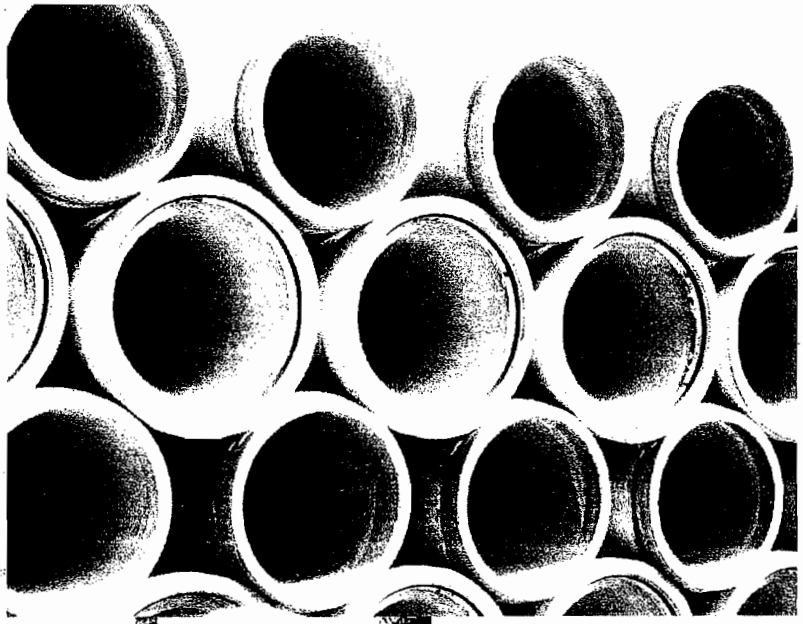
Presently it is our intent to use one subcontractor for all three micro-tunnels. It appears that the 826 micro-tunnel will allow the greatest access to additional pipe installation and therefore may be the best section for the 1st tunnel. Depending on the negotiations with FEC and their schedule for the open-cut, this section will be scheduled to meet those restrictions and planed accordingly. It appears that logically this would be the 2nd tunnel. The TPK tunnel gives the impression to be the easiest at this time, and can be accommodated to start sooner than the 1st or 2nd if necessary depending on availability of the other two.

The Miami Springs High School section is scheduled for summer time work and will be affected by the award/NTP dates and design acceptance. We will closely monitor the award/NTP and prioritize the East design and materials procurement to realize the intent of minimizing our impact on the school as much as possible.

MIAMI-DADE

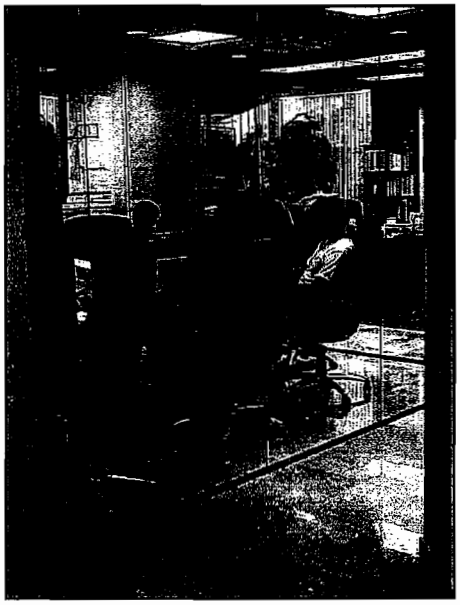
Section B

Project Team & Resumes



SECTION B - PROJECT TEAM

B.1 INTRODUCTION



The RIC-MAN/LANZO/APCTE Team have put together a highly qualified team of construction and design professionals who are totally committed to the success of this project. All of the key personnel that we are proposing to carry out this assignment have participated in the preparation of this document, giving them already a great deal of knowledge of this project. Our team brings the following strengths to the execution of this project:

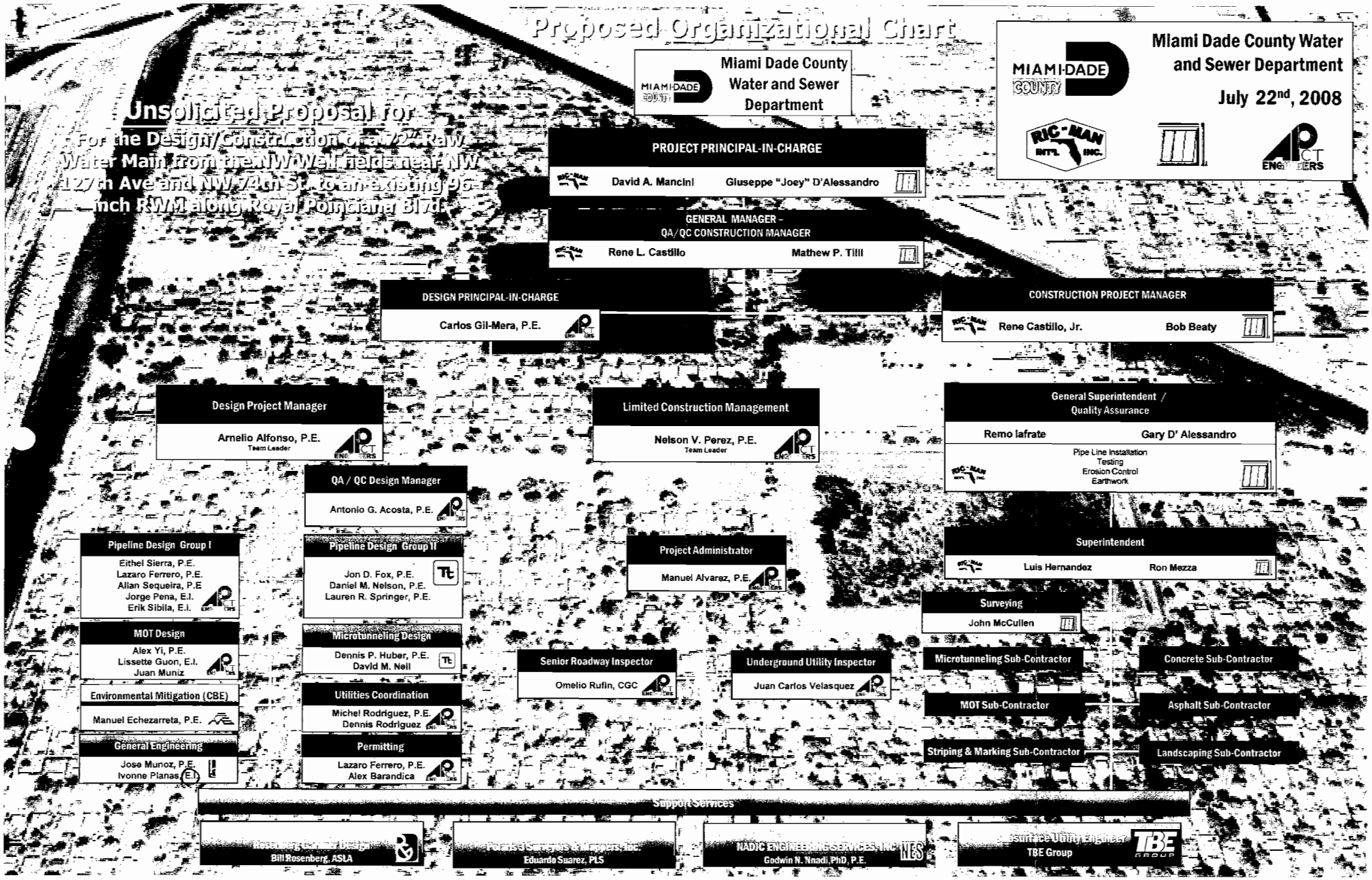
- Past design and limited construction management experience with Miami Dade Water and Sewer Department on pipeline design and utility projects.
- Strong knowledge of the geotechnical and traffic conditions in the project area.
- Local present and in-house capabilities to self-perform the design and construction activities required by this project.
- Our team includes RIC-MAN International and Lanzo Construction of Florida, two of the most reputable and largest pipeline contractors in South Florida.

B.2 TEAM ORGANIZATION

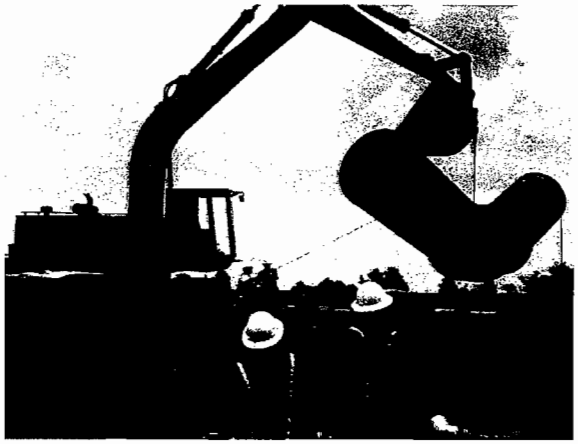
One of the most important factors in the delivery of any pipeline design project is the close coordination and timely communication among all parties involved. Our team will place a strong emphasis on sustaining an excellent communication line with the County via oral, written or personal contact. Our general managers, Mr. Rene L. Castillo and Mathew P. Tilli will maintain a close communication link with all parties involved on this project. Another important aspect in putting our team together is the past relationship established between RIC-MAN/LANZO/APCTE and all of its sub-consultants. It is RIC-MAN/LANZO/APCTE's sole responsibility to make sure that our sub-consultants comply with the schedule and quality of their deliverables. RIC-MAN/LANZO/APCTE has worked with all of the sub-contractors before and has developed a solid working relationship that will serve as an asset to the department. Our team organization demonstrates that we fully understand and are totally committed to satisfy the project requirements and County's needs. The design-build team is only as good as its people. The RIC-MAN/LANZO/APCTE Team have successfully worked together for the past five years completing three different projects for the City of Miami Beach with a total construction cost of more than $65 million dollars.

B.3 ORGANIZATIONAL CHART

The proposed Organizational Chart for this project is included in the following page; it depicts the Team's Key members and their corresponding task assignments.


Proposed Organizational Chart
Miami Dade County Water and Sewer Department
Miami Dade County Water and Sewer Department
July 22nd, 2008
Unsolicited Proposal for
For the Design/Construction of a 72" Raw Water Main from the NW Well fields near NW 127th Ave and NW 74th St. to an existing 96-inch RWM along Royal Poinciana Blvd.
PROJECT PRINCIPAL-IN-CHARGE
David A. Mancini
Giuseppe "Joey" D'Alessandro
GENERAL MANAGER - QA/QC CONSTRUCTION MANAGER
Rene L. Castillo
Mathew P. Tilli
DESIGN PRINCIPAL-IN-CHARGE
Carlos Gil-Mera, P.E.
CONSTRUCTION PROJECT MANAGER
Rene Castillo, Jr.
Bob Beaty
Design Project Manager
Arnelio Alfonso, P.E.
Team Leader
Limited Construction Management
Nelson V. Perez, P.E.
Team Leader
General Superintendent / Quality Assurance
Remo Iafrate
Gary D' Alessandro
Pipe Line Installation
Testing
Erosion Control
Earthwork
QA / QC Design Manager
Antonio G. Acosta, P.E.
Pipeline Design Group I
Eithel Sierra, P.E.
Lazaro Ferrero, P.E.
Allan Sequeira, P.E
Jorge Pena, E.I.
Erik Sibila, E.I.
Pipeline Design Group II
Jon D. Fox, P.E.
Daniel M. Nelson, P.E.
Lauren R. Springer, P.E.
Project Administrator
Manuel Alvarez, P.E.
Superintendent
Luis Hernandez
Ron Mezza
Surveying
John McCullen
MOT Design
Alex Yi, P.E.
Lissette Guon, E.I.
Juan Muniz
Microtunneling Design
Dennis P. Huber, P.E.
David M. Neil
Senior Roadway Inspector
Omelio Rufin, CGC
Underground Utility Inspector
Juan Carlos Velasquez
Microtunneling Sub-Contractor
Concrete Sub-Contractor
Environmental Mitigation (CBE)
Manuel Echezarreta, P.E.
Utilities Coordination
Michel Rodriguez, P.E.
Dennis Rodriguez
MOT Sub-Contractor
Asphalt Sub-Contractor
General Engineering
Jose Munoz, P.E.
Ivonne Planas, E.I.
Permitting
Lazaro Ferrero, P.E.
Alex Barandica
Striping & Marking Sub-Contractor
Landscaping Sub-Contractor
Support Services
Rosenberg Gardner Design
Bill Rosenberg, ASLA
Eduardo Suarez, PLS
NADIC ENGINEERING SERVICES, INC.
Godwin N. Nnadi, PhD, P.E.
Subsurface Utility Engineer
TBE Group

B.4 RIC-MAN INTERNATIONAL



Ric-Man International was founded in the year 1983 in Broward County, Florida. For the last 25 years, Ric-Man International, Inc. (RMI) has been involved in the construction of many projects from Monroe County to Vero Beach. In these projects, RMI has maintained vehicular and pedestrian traffic, coordinated intricate work with Governmental Agencies, the public and several sub-contractors. RMI has assisted many municipalities in expediting and improving the construction of their projects by providing expert advice, unconventional ideas and redesign. Our clients enjoy a clear and concise communication process in which the public, municipality and RMI benefit from construction acceleration.

We have worked with 34 cities/municipalities large and small including Miami Beach, Ft. Lauderdale, City of Miami, Boca Raton, Ft. Pierce, and the Town of West Palm Beach. We have completed 23 neighborhood improvement projects in 5 counties consisting of drainage, water mains and sanitary sewers. Ric-Man has installed over 1 million feet of pipelines from 4" thru 120" consisting of Clay, PVC, CI, DIP, PCCP, CMP, BCMP, CAP, RCP, HDPE, Elliptical Pipe, Arch Pipe, and Box Culverts. RMI has performed Jack & Bores, Slip Lining, Pipe Bursting, Micro Tunnels, as well as Directional Drilling. Other work RMI has performed has consisted of roadway reconstruction, including signing and pavement markings, street lighting and signalization systems, site concrete work, such as curbs, curb & gutter, driveways, sidewalks and brick pavers, landscape features, hardscape and irrigation systems, storm water collection, wells and pumping stations and also minor bridges and minor marine work.

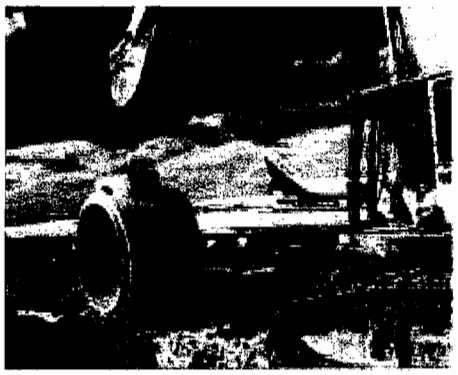
We are NOT a developer type contractor, what we do is utility and roadwork in existing communities. Our personnel are extremely experienced in the tight conditions of neighborhood and business communities. We excel at locating and exposing utilities thereby avoiding breaks. Our personnel often find "unmarked" utilities further avoiding delays and damages as well as reducing inconveniencing the public. Many of our employees are 10+ year veterans several over 20 years. We provide a safe and prosperous environment for our employees resulting in dedication, honesty and pride in the work they perform.

We OWN a variety of backhoes, pay loaders, combinations, graders, broom tractors, water trucks, cranes, as well as air compressors, saws, light towers, generators, paving machines, test pumps, dump trucks, fuel trucks, other related service equipment and 3 low-boys, which assist us in providing timely and efficient delivery of equipment as necessary. The equipment we own can be supplemented with any other necessary equipment from rental agencies.

In dealing with municipalities, counties and a large quantity of residents, we are very aware of the importance of providing safe access, minimal disturbance, property protection and good communication with local residents and homeowner associations. With this in mind, our MOT plans are submitted to provide the safest access to the construction areas to each resident and the general public. Typically, each block maybe closed to thru traffic and only emergency vehicles and local traffic are allowed up to the excavation point. We will coordinate access for postal service, deliveries and trash collection on a regular basis. In addition, we will also provide hand-outs to residents identifying the project, expected schedule, impact and names and numbers to decision makers at RMI as well as the designated county representatives.

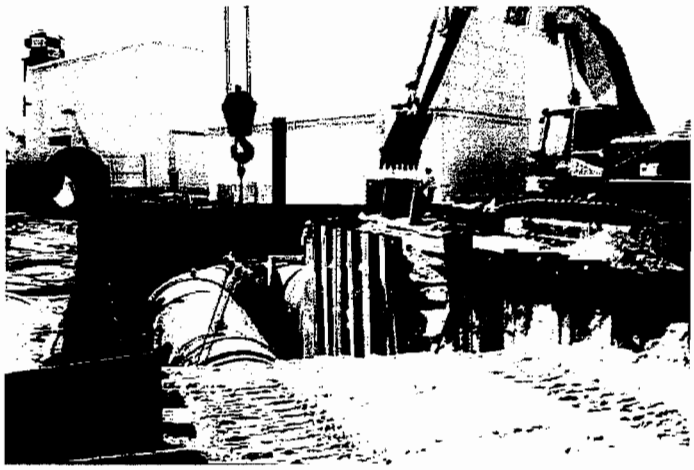
In Section C of this proposal we have included samples of several pipeline construction/design projects completed by RMI/LANZO/APCTE, while in Section E of this proposal, we have also included several reference letters for your review.

B.5 Lanzo Construction of Florida (LANZO)



Lanzo Construction of Florida (LANZO) has been a leading competitor in the construction industry for over 35 years. Originated in Roseville, Michigan, with offices in Detroit, Michigan, Pompano Beach, and Coral Gables, Florida. At Lanzo, one of our main goals is to provide quality, cost-effective and on-time construction. Lanzo is an equal opportunity employer and meets all Federal, state and municipal health & safety regulations. We hold the highest level of ethics and are committed to ensuring the safety of our employees and the convenience and safety of the people within the communities we service. Lanzo construction is a licensed general contractor and engineering company that has demonstrated competence with highly complex projects. Lanzo values a successful relationship with the Owner and Engineers. Lanzo construction has experience with major heavy construction, rehabilitation, demolition and marine projects. Lanzo is there to provide a quality, on-time project within budget amount. Lanzo employs a highly diversified staff of over 400 people and provides a full range of construction services and contracting capabilities including:

Engineering Design Build - Lanzo's Design/Build services offer the Owner the option for Turnkey contracts and services on major projects. Our ability to work closely with owners to design and construct high profile, fast track projects has been highly successful. These design build services result in reduced risk for the owners and saves both time and money.



Water Transmission & Wastewater Collection Systems - Lanzo has vast experience with diameters from 4" to 144" in water and wastewater collection and transmission systems. Our experience includes direct bury pipeline, and tunneling of clay, cast and ductile iron, steel, fiberglass, liner plate, reinforced plastic mortar, reinforced thermoset resin, high density polyethylene, polyvinyl chloride, and asbestos cement materials to ASTM standards. Lanzo has vast experience in water transmission and systems, and prides itself in building high profile and very complex projects of all types.

Trenchless Technologies - Lanzo Lining Services, Inc. was formed in 1993 to provide a more cost-effective alternative to replacing failing pipelines. This new technology gives project owners the option to use one of the most advanced trenchless technologies to successfully rehabilitate pipelines.

About the Technology - Lanzo Lining Service is among a handful of companies qualified to use a cured-in-place pipelining technology to rehabilitate deteriorated pipelines. This technology consists of felt tubing which is impregnated with special resin. When installed a hydrostatic pressure inverts the resin filled tube, which conforms to the walls of the existing pipe to create a structurally sound, joint less pipe. The water is then

heated and circulated throughout the installed length until the tube is cured in place. Once cured, the pipeline is reinstated and ready for use.

Tunneling & Micro Tunneling - Lanzo has demonstrated the expertise to tackle large tunnel and Micro tunneling projects. Their combined use of both, experienced personnel and State of the Art" equipment enables them to, complete even the most difficult tunneling or bore project.

B.6 APCTE, Corp.

A & P Consulting Transportation Engineers (APCTE) was incorporated in the State of Florida in January 1995. It started as a three-employee company to provide plans production services to the Florida Department of Transportation (FDOT) eight district offices. Currently we are a multi disciplinary, consulting engineering firm based in Miami-Dade County specializing in Roadway Design, Transportation Planning, Environmental Engineering, Electrical Engineering, Water Resources and Wastewater Disposal, Construction Management and Construction Engineering and Inspection Services. Today we have sixty-five employees of which forty-two are graduate civil engineers. Fourteen of our engineers are registered in the state of Florida. Our staff has a combined fifty-year experience working as employees of FDOT. Four of our engineers started working at FDOT in the Professional Engineers Training Program, worked as Project Engineers and Project Managers and later on moved to the consultant world. Currently we have open contracts with District IV, VI and the Turnpike offices of FDOT, Miami-Dade Expressway Authority (MDX), Miami-Dade County Department of Environmental Resources Management, Miami-Dade Water and Sewer Department, Miami-Dade Public Works Department, and as sub consultants with several other engineering firms. We have also been recently selected by the City of Miami and the City of Miami Beach to provide services to their Capital Improvements Program. APCTE also has open contracts with the City of Hialeah and the City of Doral.

APCTE is highly capable of providing M-D WASD services for this contract and is qualified by Miami-Dade County / FDOT for: water supply, sewage collection treatment and disposal, major roadway design, construction management, cost estimating, highways, streets, parking lot, drainage, lighting (interior, display, theater, etc.), lighting (exterior, streets, memorials, athletic fields, etc.), traffic, and transportation engineering.

Another facet of our company is the division of Construction Management and Construction Engineering and Inspection. The division has a cadre of well qualified graduate engineer inspectors headed by a registered professional engineer with more than 25 years of transportation engineering design and construction management experience; most of our CEI staff have attended all of the required Construction Training Qualification Program (CTQP) courses as required by the Florida Department of Transportation and other governmental agencies.

Our qualifications and vast experience makes us a very strong candidate to provide the services required by this contract, surpassing the levels of satisfaction expected by the County. The requirements of this contract perfectly match with APCTE experience and capabilities. We understand this contract is to design a 72-inch Raw Water Main connecting the well fields west of the Florida's Turnpike

(NW 127th Ave and NW 74th Street) with an existing 96-inch RCP Raw Water Main located just west of the Hialeah and Preston Water Treatment Plants. Our firm is perfectly suited for this kind of assignments. APCTE is a local mid-size company and are capable of handling several assignments at the same time, while providing a quick response on any task.

We have had several contracts in the past were we had to produce a complete set of construction plans in less than a month. We can do that without compromising the quality of the final product. On emergency situations we can even do better than that. We just completed in a record time the plans for the City of Miami Beach for the relocation of a water main on Indian Creek from 63rd Street to 65th Street (total length of 1100 linear feet). The existing pipe was broken during the demolition of the flyover on Indian Creek at 63rd Street and the City gave us the assignment of completing the construction plans for this work in one weekend. We were able to meet their demand and the water line was replaced within a week.

We have an accomplished team of Pipeline Designers, Utility Engineers, Environmental and CEI Inspectors with a multitude of experience in several of the professional specialties that will be needed for this contract.

Our involvement with water/wastewater projects includes the development of comprehensive water & sewer plans, potable water storage and distribution systems, reclaimed water distribution, sewage collection facilities, pump station design and rehabilitation, and pipeline rehabilitation using trenchless technologies. We have provided design services for numerous projects replacing water and sewer lines in older neighborhoods as well as projects extending new services into existing neighborhoods on septic wells. We were recently selected by M-D WASD to provide design services for a new water reuse pipeline connecting the South Dade Waste Water Treatment Plant to the Miami-Dade Metro Zoo.

B.7 Tetra Tech.

Tetra Tech, Inc. was founded in 1966 to provide engineering services related to waterways, harbors and coastal areas. Over the past 40 years, the Company has substantially increased the size and scope of its business and expanded its service offerings through a series of strategic acquisitions and internal growth. Tetra Tech now provides environmental services, water/wastewater management, infrastructure services, security design, and outsourced technical services. From the beginning, Tetra Tech has attracted the best and brightest minds in science and engineering, and has always focused on bringing innovative solutions to our clients' most complex needs. Today, Tetra Tech has approximately 8,500 employees located in more than 275 offices worldwide.

Water and Wastewater - When it comes to providing clean, safe water to your community, Tetra Tech stands above the rest. We've been ranked No. 1 in Water in the United States by *Engineering News-Record* for five years in a row, and we continue to build on the expertise we've developed over four decades. Our services include all aspects of water quality and quantity management ranging from stormwater through drainage and flood control projects to major water and wastewater conveyance and treatment facilities. Our experience includes planning, design, and construction services for:

- Water treatment facilities (membrane and reverse osmosis [RO] filtration, conventional treatment, disinfection)
- Wastewater treatment facilities (desalination, conventional treatment, physical/chemical treatment, biological nutrient removal)
- Distribution systems including pipelines and pump stations
- Water reuse
- Dams and reservoirs
- Infiltration and inflow

- Combined & Sanitary Sewer Overflow (CSO/SSO) elimination
- Odor and corrosion control
- Process testing and modeling
- Flood control and drainage master plans
- Flood control facilities
- Land use planning
- Wellhead and source water protection systems
- Surface water intake development
- Automation and SCADA
- Rate studies
- Grants and loans
- Operation and maintenance (O&M) training
- Security systems

B.8 STAFFING QUALITY / AVAILABILTY

RIC-MAN International (RMI) and Lanzo Construction of Florida (LANZO) will be responsible for the management and construction work related to this contract while A & P Consulting Transportation Engineers Corp. (APCTE) will be in charge of the pipeline design and limited construction management services.

The team leader selected for this endeavor will be ***Mr. Rene L. Castillo*** who will serve as General Manager-in-Charge. Mr. Castillo will be responsible for the coordination between the County's Project Manager, and the Senior Design Manager- Arnelio Alfonso, P.E. Mr. Castillo will ensure that the technical design elements of this project as well as the required coordination among the different sub-contractors are carried for the timely completion of the project within the established proposed schedule. Mr. Castillo brings over twenty-eight years of experience in the construction of infrastructure projects and water and sewer main facilities. He is overseeing and directing the Estimating Department, Project Managers and Construction Operations of a multimillion dollar company. He oversees over $38 million dollars of projects per year. These include Construction / Design Build of; Sanitary Sewers, Water Mains, Force Mains, Drainage, Pump Stations, Directional Drilling, Jack & Bores, and Micro Tunnels. His work has included 9 mayor neighborhood improvement projects.

Mr. David A. Mancini (RMI) Project Principal-in-Charge - Mr. Mancini has over 30 years of construction experience in South Florida and over 7 years experience in Michigan were he worked under his father Mr. Richard Mancini the founder of Mancini Equipment, Ric-Man Construction, Ric-Man International LEDDS Enterprises and LEDDS development. As president he administers all construction, maintenance and accounting operations; he oversees our General Manager Mr. Rene L. Castillo and Controller Mr. Jerry M. Wichert. Mr. Mancini is a hands on type of person who has constructed and/or designed built a variety of projects consisting of; water mains, sanitary sewers, drainage , pump stations, jack and bored, micro tunnels, directional drilling, roadways, and 5(five) neighborhood improvement projects.

Mr. Giuseppe D' Alessandro (Lanzo) Project Principal-in-Charge - Mr. D'Alessandro, with over 28 years of experience in the construction industry, is responsible for all executive decisions of the Lanzo Companies. Mr. D'Alessandro has been the General Manager for many projects in the Miami area for Lanzo Construction Company since 1986. He is well versed and familiar with policies, procedures, requirements and expectations of South Florida governmental bodies including but not limited to Miami-Dade County, Broward County, Florida Department of Transportation, City of Fort Lauderdale, Hollywood, Miramar, Sunrise, Cooper City, City of Key West and Palm Beach County.

Mr. Matthew P.Tilli (Lanzo) General Manager - Mr. Tillibrings over 38 years fo construction experience, 29 of those years with Lanzo Construction. He has been the Company's Chief Engineer for practically his entire career with Lanzo. Duirn ghis tenure he has been involved in well over 300 different projects the company has undertaken, working in Texas, Michigan, and Florida.

Mr. Rene Castillo, II (RMI) Construction Manager - Mr. Castillo II has over 9 years experience in construction management and oversees over $19 million dollars of project per year. His experience included water main, force main, drainage and sanitary sewer, including neighborhood improvement projects, design-build, directional drilling, jack and bores, micro tunneling, box culverts, and pump stations.

Mr. Robert W. Beaty, III, P.E. (Lanzo) Project Engineer/Manager – Mr. Beaty experience ranges from contract interpretation and administration of various heavy construction contracts to installations of all forms of pipelines (1" – 120"), pumps stations. Prepared scheduling and planning necessary to build the projects correctly once.

Mr. Remo Iafrate (RMI) General Superintendent / Construction Manager- Mr. Iafrate has over 31 years of experience in the supervision of construction projects managing multiple crews and contractors simultaneously. Mr. Iafrate is the General Superintendent of the Company, he coordinates and supervises all construction operations on our sanitary sewer, water mains, storm sewer, pump stations, micro tunnel, jack and bore, and directional drilling. He has more than 40 home neighborhood improvements and road projects. He has supervised 7 large home neighborhood improvements and road projects, overseeing $32 Million Dollars of projects per year. These projects include construction/design build of sanitary sewers, water mains, force mains, drainage, pump stations, directional drilling, jack and bores, microtunneling, roadways, streetscapes, emergency repairs, and hurricane cleanup.

Mr. Ronald Mezza (Lanzo) Superintendent - Mr. Mezza has over 35 years of experience in the construction industry. He possesses specific experience within different phases of commercial construction, including heavy highway, utilities underground and building. Within his capacity at Lanzo Construction he is currently involved in contract interpretation and the administration of various construction projects. His experience includes installation of all forms of pipelines from 1" thru 120", pumps stations (local – master).

Mr. Luis Hernandez (RMI) Superintendent / Quality Assurance- Mr. Hernandez has over 18 years of experience in south Florida working for municipalities from Miami-Dade County thru Palm Beach County. He has successfully completed 5 neighborhood improvement projects from 21,000 to 105,000 feet of water mains and sanitary sewers; he is also familiar with directional drilling, micro-tunneling, pump stations, and aerial crossings. Mr. Hernandez is one of our most dedicated employees, willing to do whatever it takes to perform his duties and satisfy our clients. He has shown great enthusiasm in handling several crews and projects simultaneously.

Mr. Arnelio Alfonso, P.E., (APCTE) – Design Project Manager- Mr. Alfonso has over 19 years of experience in the Design of Water Distribution and Sanitary Sewer and Stormwater Management Systems. Mr. Alfonso is currently in charge of APCTE's Water Resources Department, leading the Design of Storm Water Management Systems, Water Distribution and Sanitary Sewer. Mr. Alfonso also has experience in obtaining Environmental Permits associated with the proposed Stormwater Management Systems. Among his most relevant pipeline/pump stations design projects are: Water Main along N.W./N.E. 103rd Street, Miami Intermodal Center (MIC) Water and Sewer Improvements, NW 25th Street – 36-inch Force Main, NW 37th Avenue/Transit Access Road – 24-inch Force Main, Miami Intermodal Center (MIC) Drainage Master Plan, Miami International Airport Technical Assistance, SR-836 / N.W. 14th Street Pump Station, Sanitary Sewer Lift Station 101 (M-D WASD), and the Bridge Hydraulic Analysis of the NW 12 Ave. bridge over the Miami River.

Mr. Antonio G. Acosta, P.E. (APCTE) – QA/QC - Mr. Acosta brings over 22 years of experience in the Design of Highway Facilities. He spent the first thirteen years of his career working for the Florida Department of Transportation District VI internal design office on the production of roadway plans from minor design to major reconstruction projects. During the last two years of his career at FDOT, he worked as District VI Roadway Design Project Manager where he was head of an Internal Design Team working on a large number of milling and resurfacing, limiting access facilities and reconstruction projects. He's working today as the Roadway & Infrastructure Task Manager for the Miami Intermodal Center (MIC). He is a 1985 graduate of Florida International University with a Bachelor's Degree in Civil Engineering.

Mr. Carlos M. Gil-Mera. P.E. (APCTE) Principal-in-Charge - Mr. Gil-Mera was the Design Manager and Engineer of record for the Washington Avenue, Lummus & Nautilus Neighborhood Improvements Projects in the City of Miami Beach. He has over twenty two years of experience in the field of roadway design. Mr. Gil-Mera worked for FDOT for fifteen years. He spent the last eleven years in internal design office working on the production of roadway plans including minor design and major reconstruction. During the last two years of his career at FDOT, he worked as District VI Roadway Design Project Manager where he was the head of an Internal Design Team working on a large number of "RRR" and reconstruction projects. He has vast experience in the design of Traffic Control plans in highly urbanized areas.

Mr. Eithel Sierra, P.E. (APCTE) – Pipeline Design - Mr. Sierra has over 13 years of experience in all aspects of pipeline and roadway design. Mr. Sierra graduated (Magna Cum Laude) from Florida International University with a Bachelor's degree in Civil Engineering in 1995. He has over 12 years experience in the design of highway facilities. He dedicated his first three years providing Microstation, GEOPAK, CAICE, and Plans Preparation technical support to Florida, Illinois, and Mississippi Department's of Transportations. He is highly experienced, and has worked on several Water & Sewer pipeline projects, urban and rural new construction, total reconstruction and resurfacing, restoration, and rehabilitation, Right-of-Way plans, preparation of Specifications, Technical Special Provisions, and Utilities Coordination & Permits. He is certified by FDOT for the preparation of Advance Traffic Control Plans. He has designed and managed several (water & sewer) projects for Miami-Dade Water and Sewer Department and the City of Miami Beach, including pipeline design, Technical Special Provisions, Utilities and Permits Coordination.

Mr. Lazaro Ferrero, P.E. (APCTE) – Pipeline Design - As senior project engineer, is in charge of water and sewer system design. Mr. Ferrero has over 17 years of engineering experience in pumping stations, pipe networks, water main, force main and hydraulic and structural design and computer programming for engineering. Mr. Ferrero has been responsible for the design of several Water & Sewer Projects in Miami-Dade and Broward Counties. Among his most relevant projects are: MIC Water & Sewer Improvements; Rental Car Facility Water & Sewer Design; Washington Avenue Sanitary Sewer; and a 16-inch Water Main along Le Jeune Road, from US-1 to SW 8th Street.

Mr. Alex Yi, P.E. (APCTE) – Maintenance of Traffic - Mr. Yi, has over 10 years of experience. Mr. Yi, has over ten years of professional experience in the fields of Design and Management of all types of Rural and Urban Roadways. Within the seven years, four were spent as a Professional Engineer Trainee at FDOT District VI, and two as a Project Engineer at FDOT District VI Internal Design Office. As a Project Engineer, Mr. Yi was in charge of the preparation of all components of a complete Contract Plans Set. Mr. Yi is also certified by the FDOT for the preparation of Advanced Maintenance of Traffic Plans, and is very familiar with

the Department's ERC system, Specifications preparation and Electronic Delivery.

Mr. Nelson Perez, P.E. (APCTE) – Limited Construction Management – Mr. Perez is currently is working as Senior Project Engineer for the total new construction of the NW 25th Street Viaduct project for FDOT-District VI. Mr. Perez has more than twenty five years of experience in the field of construction management.

Mr. Daniel M. Nelson, P.E. (Tetra) – Pipeline Design - Mr. Nelson serves as Regional Manager for the Fort Myers branch of Tetra Tech. Mr. Nelson has been involved in design, permitting, and management of several water distribution, wastewater collection, water and wastewater treatment, effluent disposal, and hydraulic modeling projects. His environmental experience includes engineering analyses and project technical assignments on a variety of water and wastewater projects; wastewater system hydraulic modeling; design of water and wastewater transmission and treatment facilities; design of effluent disposal and reuse systems; permitting of water and wastewater systems; construction management and administration services for water and wastewater facilities; and wastewater feasibility studies.

Mr. Jon D. Fox, P.E. (Tetra) – Pipeline Design - Mr. Fox has participated in many aspects of environmental engineering including the planning, design, permitting and construction administration of both water and wastewater treatment facilities and collection systems. He has also gained valuable experience in the hydraulic system analysis of water distribution systems and construction management services

Mr. Dennis P. Huber, P.E. (Tetra) – Microtunneling Design -Mr. Huber's major areas of expertise includes microtunneling design, water and wastewater facilities, environmental engineering, civil/site work, and corridor investigations/surveys. His experience includes project management and engineering for planning, analysis, cost estimating, design, bidding, and construction engineering services

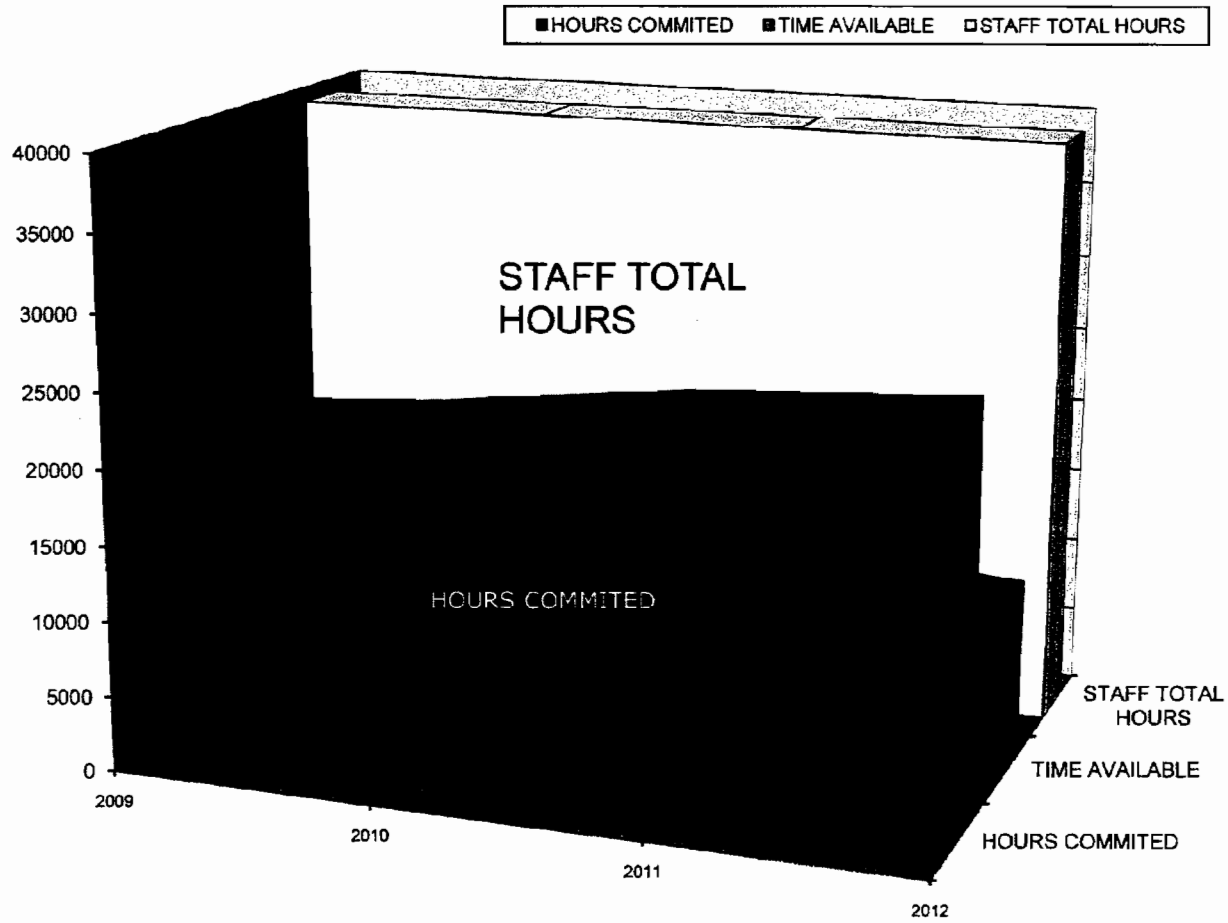
Mr. Eduardo Suarez, P.L.S. (Polaris 3) Surveying Project Manger- Mr. Suarez will be coordinating all the efforts required to collect and process the necessary surveying required to complete this project.

Mr. William Rosenberg, A.S.L.A. (RGD) Landscape Architect- Mr. Rosenberg has over thirty-five years of experience in the field of landscape design. He will be the Landscape Architect of Record for this project.

Mr. Jose Muñoz, P.E. (BCC) General Engineering - Mr. Muñoz is experienced in the planning, design, and construction management of water, wastewater, and infrastructure systems. His expertise also extends to highway projects in the areas of traffic studies, traffic operations design, and PD&E studies. His ten years of experience include extensive design and management experience with pipelines, underground utilities, transportation, and site development projects.

Our team workload is such that we will be easily able to meet the man-hour needs for this contract. The table and chart shown identify the availability of the proposed staff as well as our current workload and total staff man-hours for the next two (3) years beginning on January, 2009.

Name	Total Man Hours 1/09-12/12	Hours Committed Other Projects	Percent Committed (%)	Hours Available for this Project	Percent Available (%)
Design Personnel					
Carlos M. Gil-Mera, P.E. (APCTE)	6240	4992	80%	1248	20%
Arnelio Alfonso, P.E. (APCTE)	6240	3120	50%	3120	50%
Antonio G. Acosta, P.E. (APCTE)	6240	4992	80%	1248	20%
Eithel Sierra, P.E. (APCTE)	6240	3120	50%	3120	50%
Lazaro Ferrero, P.E. (APCTE)	6240	3120	50%	3120	50%
Allan Sequeira, P.E. (APCTE)	6240	1872	30%	4368	70%
Alexander Yi, P.E. (APCTE)	6240	3744	60%	2496	40%
Michel Rodriguez, P.E. (APCTE)	6240	4056	65%	2184	35%
Lissette M. Guon, E.I. (APCTE)	6240	2496	40%	3744	60%
Jorge Pena, E.I. (APCTE)	6240	1872	30%	4368	70%
Eric Sibila, E.I. (APCTE)	6240	1872	30%	4368	70%
Jon D. Fox, P.E. (Tetra)	6240	3744	60%	2496	40%
Daniel M. Nelson, P.E. (Yetra)	6240	1872	30%	4368	70%
Lauren R. Springer, P.E. (Tetra)	6240	1872	30%	4368	70%
Dennis P. Huber, P.E. (Tetra)	6240	3120	50%	3120	50%
David M. Neil(Tetra)	6240	3120	50%	3120	50%
Limited Const. Management					
Nelson Perez, P.E. (APCTE)	6240	4992	80%	1248	20%
Manuel Alvarez, P.E. (APCTE)	6240			6240	100%
Omelio Rufin, CGC (APCTE)	6240			6240	100%
Juan Carlos Velasquez (APCTE)	6240			6240	100%
Construction Personnel					
David Mancini (RMI)	6240	4992	80%	1248	20%
Giuseppe D'Alessandro (Lanzo)	6240	4992	80%	1248	20%
Rene L. Castillo (RMI)	6240	2496	40%	3744	60%
Matthew P. Tilli (Lanzo)	6240	2496	40%	3744	60%
Rene Castillo, II (RMI)	6240	1248	20%	4992	80%
Bob Beaty (Lanzo)	6240	1248	20%	4992	80%
Remo Iafrate (RMI)	6240	1248	20%	4992	80%
Gary D'Alessandro (Lanzo)	6240	1248	20%	4992	80%
Luis Hernandez (RMI)	6240	312	5%	5928	95%
Ron Mezza (Lanzo)	6240	1248	20%	4992	80%
Totals	156000	56160	36%	99840	64%



B.9 TEAM QUALIFICATIONS

On Section E of this proposal, please find RIC-Man Construction/Lanzo Construction of Florida qualifications as well as the APCTE Design Team Qualifications, showing that the team is pre-qualified under all the categories that are required for this project.

B.10 STAFFING RESUMES

Please find attached the Key Staff Personnel Resumes at the end of this Section.

David A. Mancini

President / Principal

Mr. Mancini has over 30 years of construction experience in south Florida and over 7 years experience in Michigan were he worked under his father Mr. Richard Mancini the founder of Mancini Equipment, Ric-Man Construction, Ric-Man International LEDDS Enterprises and LEDDS Development. As president he administers all construction, maintenance and accounting operations; he oversees our General Manager Mr. Rene L. Castillo and Controller Mr. Jerry M. Wichert. Mr. Mancini a hands on type of person has constructed and/or designed built a variety of projects consisting of; water mains, sanitary sewers, drainage, pump stations, jack and bores, micro tunnels, directional drilling, roadways, and 5 (five) neighborhood improvement projects. Some of these projects have included sub-aqueous crossings, landscaping, streetscape, signalization and street lighting.

Highlights

30 years of Roadway and Infrastructure construction experience
5 years of Design Build experience
Member of the ECA Engineering Contractors Association

Licenses: Qualified Business Organization – QB0008454
State of Florida Underground Utility License # CU-C0442220
Broward County License #00-1650-W

Experience

Principal / President -1985 to present - Ric-Man International, Inc.- up to$ 35 million projects
Superintendent - 1983 to 1985 - Ric-Man Construction, Inc. – up to $ 12 million projects
Foreman - 1978 to 1983 - Ric-Man Construction, Inc. – up $ 40 million projects

Key Projects

Washington Avenue Improvement (Miami Beach, Fl) Design Build Project. Over ½ mile of complete roadway, infrastructure and beautification improvement along a heavy pedestrian and retail/hotel corridor. Project consisted of drainage, water mains, sidewalks and curb & gutters, landscaping, gravity wells, roadway, signalization, lighting and markings.

Installation of 30" WM under Miami River (MDWS Dept) Partial Design Build. Over 800 feet of new 30" WM designed as open cut but converted by Mr. Mancini to Design Build Directional Drill, saving the County time and money and resolving easement issues. Project consisted of directional drilling water main under river, sidewalks and curb & gutters and roadway restoration.

Design/Build for Replacement of 48-Inch Force Main (Broward CW&WWD) Over 5,000' of 48" PCCP removal in DOT R/W replaced with 48" DIP in 8 months including design, permits and construction. David authorized the purchase of the pipe prior to award meeting the deadline. Project included a subaqueous crossing.

Broadview Neighbor hood (Broward County Water & Wastewater Division) Over 120,000 feet of water mains through out a 470 home residential neighborhood. This project also required service connections on private property behind homes.

Broward County Landfill (Broward County) 1983 Included the construction of several cells.

Rene L. Castillo SR

Officer / General Manager / Corporate Secretary

Mr. Castillo an Officer of the company has 12 years experience in overseeing and directing the Estimating Department, Project Managers, and Construction Operations of a multi million dollar company. He oversees over $38 Million Dollars of projects per year. These include Construction / Design Build of; Sanitary Sewers, Water Mains, Force Mains, Drainage, Pump Stations, Directional Drilling, Jack & Bores, and Micro Tunnels. His work has included 9 mayor neighborhood improvement projects of over 200 homes including; Streetscape, Lighting and Signalization. Mr. Castillo has a love for the improvement of our industry's infrastructure thereby reducing the impact of the environment and wildlife which he enjoys photographing.

Highlights

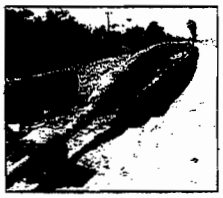
Roadway and Infrastructure construction experience since 1971 (37 years)
5 years of Design Build experience
Underground Utility Construction from 4" to 120" Pipelines
Has worked for all sides of the fence such as County (Inspector / Supervisor); Design Firm (Surveyor/Inspector/Draftsman); Contractors (Foreman/Superintendent/Estimator/Project Manager)
Member of the E.C.A. Engineering Contractors Association
F.E.S. Florida Engineering Society Broward Supporter

Experience

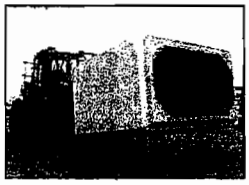
Officer / General Manager -1993 to 2001 & 2004 to present -Ric-Man International, Inc.- up to $37 ,000,000
Project Manager – 2001 to 2004 -Foster Marine Contactors, Inc. –up to $10 million dollar projects
Estimator / Project Manager – 1990 to1993 -Ric-Man International, Inc. - up to $25 million projects
Superintendent – 1984 to1990 -Ric-Man Construction, Inc. - up to $18 million dollar projects
Foreman – 1983 to1984 -Ric-Man Construction, Inc. - up $5 million dollar projects
Assistant Project Engineer – 1981 to 1983-Miami-Dade Water and Sewer Authority up to $3,000,000 projects
Inspector – 1979 to 1981 -Miami-Dade Water and Sewer Authority $1,500,000 projects
Surveyor / Draftsman – 1975 to 1979 -Beiswenger Hoch and Associates (Sewer Plants, Service Plazas, Rdwy)
Inspector – 1972 to 1975 -Beiswenger Hoch & Associates Road & Bridge Inspector (Florida's Turnpike Ext.)
Density Man – 1971 to 1972 –Beiswenger Hoch and Associates (Florida's Turnpike Ext.)

Key Projects

NE 163 ST Emergency Repair (MDWSD, Fl) Remove and replace 48" PCCP force main and deteriorated MHs. After a large sink hole developed on Sunny Isles Blvd, MDWSD required the immediate mobilization and repair of their critical FM out of the beach. Work was completed ahead of schedule and with minimal impact to traffic.



Turnpike & Sunrise Blvd. Crossings (Plantation) In-house Design Build of 3 critical directional drills required by the Turnpike to relocate the City's WM within 6 months. The project required quick turnaround of Design, Permits and Construction. Mr. Castillo anticipated all the delays and circumvented the typical red tape delivering the project ahead of schedule and on budget.



NE 6th Avenue Drainage Improvements (Oakland Park) Over 2,630 feet of 4x6 box culvert. Original design called for the box culvert to be installed vertically which would have resulted in major utility support and massive de-watering. Mr. Castillo succeeded in convincing the Engineer, City and County to revise the design to horizontal installation, thereby saving time, and impact to the residents.

Rene L. Castillo, II

Project Manager

Mr. Castillo has over 9 years experience in construction management and oversees over $19 Million Dollars of projects per year. His experience includes water main, force main, drainage and sanitary sewer, including neighborhood improvement projects, design build, directional drilling, jack and bores, micro tunnels, box culverts, and pump stations.

Highlights

Roadway and Infrastructure construction experience since 1992 (16 years)
8 years of Design Build experience
Underground Utility Construction from 4" to 54" Pipelines
Has worked for other contractors specializing in earthwork
Member of the F.E.S. Florida Engineering Society Broward Supporter

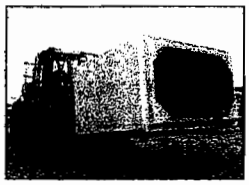
Experience

Project Manager/Estimator – 2002 to Present -Ric-Man International, Inc. - up to $25 million dollars projects
Project Coordinator – 2000 to 2002 –Foster Marine Contractors, Inc.
Estimator – 2000 – Mora Engineering Contractors, Inc. – Bid on projects up to $11 million dollars
Estimator/Project Manager – 1999 to 2000 – Giannetti Contracting, Inc. - Bid on projects up to $12 million dollars
Assistant Estimator/Project Manager – 1992 to 1999 -Ric-Man International, Inc. - Bid on projects up to $5 million dollars

Key Projects

NE 163 ST Emergency Repair (MDWSD, Fl) Remove and replace 42" DIP force main and deteriorated MHs. After a large sink hole developed on Sunny Isles Blvd, MDWSD required the immediate mobilization and repair of their critical FM out of the beach. Work was completed ahead of schedule and with minimal impact to traffic.

Broadview Park 105,000 LF of pipe and 2,000 homes (Broward County Water & Waste water Division) Over 120,000 feet of water mains throughout out a 470 home residential neighborhood. This project also required service connections on private property behind homes.



La Mancha Avenue 15,000 LF of 30" DIP FM and 15,000 LF of 36" WM, two 36" Directional drills and 4 subaqueous crossings (Palm Beach County Water Utilities Department, Fl) Construction of a parallel 24" DIP Force main and 30" DIP Water main part of this work was along busy Okeechobee Boulevard, requiring extensive MOT coordination and difficulty with a sub-contractor going out of business. Work included 2 directional drills and 4 sub-aqueous crossings. Project was completed ahead of schedule and Ric-Man collected an early completion bonus for this work.

Remo Iafrate

General Superintendent

Mr. Iafrate, the General Superintendent of the company, has 11 years of construction experience in Michigan and over 20 years of construction experience in Florida. He has supervised 7 large home neighborhood improvements and road projects, overseeing $32 Million Dollars of projects per year. These projects include Construction / Design Build of, Sanitary Sewers, Water Mains, Force Mains, Drainage, Pump Stations, Directional Drilling, Jack & Bores, Micro Tunnels, Roadways, Streetscapes, Emergency repairs, and Hurricane cleanup.

Highlights

Roadway and Infrastructure construction experience since 1977 (31 years)
5 years of Design Build experience
Underground Utility Construction from 4" to 120" Pipelines
Has worked for Ric-Man International as a superintendent since 1990 (18 years)

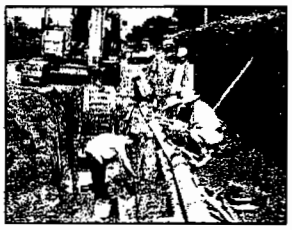
Experience

General Superintendent – 2006-Present - Ric-Man International, Inc. - up to $27 million projects
Superintendent – 1990 to 2005 -Ric-Man International, Inc. - up to $20 million projects
Foreman – 1985 to 1989 – D.N. Higgins Underground Contractors - up to $12 million dollar projects
Foreman – 1980 to 1985 – Lanzo Construction - up $8 million dollar projects
Foreman – 1964 to 1980– Greenfield Construction - up $15 million dollar projects

Key Projects

La Mancha Ave Pipeline Extension Project (Palm Beach County Water Utilities Department, Fl) Construction of a parallel 24" DIP Force main and 30" DIP Water main part of this work was along busy Okeechobee Boulevard, requiring extensive MOT coordination and difficulty with a sub-contractor going out of business. Work included 2 directional drills and 4 sub-aqueous crossings. Project was completed ahead of schedule and Ric-Man collected an early completion bonus for this work.

DESIGN BUILD - 54" SEWER FORCE MAIN (MDWSD) Design and construct 9,100 ft of 54" PCCP along Opa-Loca Airport requiring high security procedures, crossing 18feet under NW 57th Ave a 6 line roadway at night in 4 phases and 2 subaqueous crossings, one 21 foot deep. The project required close tolerances and careful tabulation of special pieces and fitting to avoid delays. Part of this work required underwater pipe installation with divers.



Water Transmission Main Extension Phase I (Village of Wellington, P.B., Fl) Over 6,000 feet of 24" DIP Watermain along residential streets and businesses. The work included 1 (one) sub-aqueous crossing and 4 (four) directional drills. Unusual high water table required dewatering in only a 3 foot excavation. Due to erratic street lay-out the NOT had to be tailored to varying rush hour traffic patterns.

Luis Hernandez

Superintendent

Mr. Hernandez has over 18 years of experience in south east Florida working for municipalities from Miami-Dade County thru Palm Beach County. He has successfully completed 5 neighborhood improvement projects from 21,000 to 105,000 feet of water mains and sanitary sewers, he is also familiar with directional drilling, micro tunnel, pump stations, and aerial crossings. Mr. Hernandez is one of our most dedicated employees, willing to do whatever it takes to perform his duties and satisfy our clients. He has shown great zeal in handling several crews and projects simultaneously. Quality is his job 1.

Highlights

Roadway and Infrastructure construction experience since 1997 (11 years)
5 years of experience working on Design Build
Underground Utility Construction from 4" to 96" Pipelines
Has worked for Ric-Man International since 2001 (7 years)

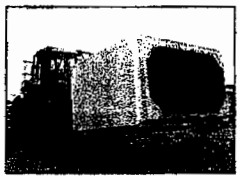
Experience

Superintendent – 2006 to Present -Ric-Man International, Inc. - up to $37 million projects
Foreman – 2002 to 2006 -Ric-Man International, Inc. - up to $12 million projects
Pipelayer – 2001 to 2002 -Ric-Man Construction, Inc. - up to $8 million dollar projects
Laborer – 1997 to 2001 -Ric-Man Construction, Inc. - up $6 million dollar projects

Key Projects

Neighborhood No. 7 - Nautilus Right-Of-Way Infrastructure Improvement Project (Miami Beach) Design Build project for the City of Miami Beach with proposed improvements including but not limited to Streetscape, Storm Water and Water Systems Improvements. Projects consisted of over 500 homes, 6 Pump Stations, road re-construction, street lighting, landscaping and directional drilled services.

Design/Build For Replacement of 48" Force Main (Broward CW & WWD) Over 5,000 feet of 48" PCCP had to be removed in DOT R/W after the Turnpike decided to widen their road. The pipe had to be replaced with 48" DIP within 8 months. This included design, permits, procurement and construction. Although we were impacted by unknown contamination the project which included a subaqueous crossing was completed on time.



NE 6th Avenue Drainage Improvements (Oakland Park) Over 2,630 feet of 4x6 box culvert. Large equipment and materials required the close coordination with residents while closing 2 (two) blocks at a time. This project also included the crossing of Oakland Park Blvd a 5 (five) lane roadway.

Broadview Neighborhood (Broward County Water & Waste water Division) Over 120,000 feet of water mains throughout out a 470 home residential neighborhood. This project also required service connections on private property behind homes.

Hamill Ortiz

Project Coordinator

Ms.Ortiz has 5 years experience assisting in construction management and preparing bids for municipal projects. She supports the Project Mangers with daily tasks such as; ordering & scheduling material delivery, writing purchase orders, preparing and executing agreements for subcontractors, reviewing and submitting shop drawings, attending pre-bid meetings and pre-construction meetings. In addition to this she is responsible for soliciting and acquiring quotes from subcontractors, ensuring that any and all disadvantaged and small business goals are met or exceeded, and that all documents are properly completed for the purpose of bidding on all projects.

Highlights

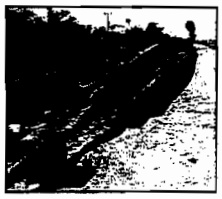
Management assistance in Roadway and Infrastructure construction
Preparing and soliciting bids for municipal projects
Putting together qualification packages for short listed contracts
Experience with Building Contractors as well as Underground Utilities

Experience

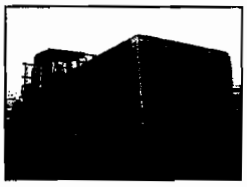
Assistant Project Coordinator – 2007 to Present- Ric-Man International, Inc. - up to $27 million dollar projects
Office Administrator – 2006 to 2007 -Ric-Man Construction, Inc.
Project Coordinator – 2004 to 2006 -Cucchiara Construction, Inc. - up to $12 million dollar projects
Receptionist- 2004 - Cucchiara Construction

Key Projects

Key Largo Vacuum Collection System Basin B Phase I (Key Largo) Vacuum sewer collection for the City of Key Largo in Monroe County for over 200 homes including vacuum pits and connection to the existing system. After putting together a bid for this project we were selected through best value procurement to complete construction of this unique system.



Edmor Road/ Lakewood Road (West Palm Beach) This project consisted of 7200' of 8" DIP WM, 7000' of 8" PVC sanitary sewers and 5800' of 60" RCP Drainage in Palm Beach County which served over 150 homes in the area.



South 26th Street Area Improvements (Fort Pierce) Over 2,600' of concrete pipe culvert and 5500' of gravity sewers which were to serve 111 homes and 6 businesses. As a result of her diligent efforts in acquiring the best prices and properly assembling the bid proposal we were awarded the job.

Jacqueline Bermudez

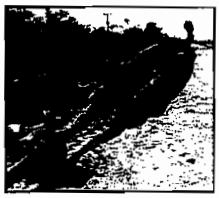
Project Coordinator / Community Outreach Coordinator

Mrs. Bermudez has over 8 years experience in construction. She has assisted the construction process and community outreach of many large neighborhood projects as well as smaller utility installation and road projects

Highlights
Neighborhood Improvements experience since 2003 which includes 4 large Broward County projects with over 500 residents per project one of which serviced 2,000 residents. She handles receiving, tracking and notifying the owner and engineers of any issues as well as other aspects of the construction.

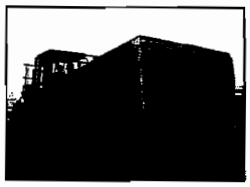
Experience
During the last 8 years Mrs. Bermudez has interacted with daily resident complaints and concerns as well as keeping the public "in the light" regarding construction activities and what they may expect.

Key Projects
Broadview Park Bid Package No. 1 (Water Main Installation) (Broward County Water and Wastewater Services) This project consisted of 105,000 LF of water mains and 2,000 services to the residents as well as several business neighborhood consisted of over 600 homes.



St George East Neighborhood Improvement Project-Submersible P S & Dir Drill (Broward County Water and Sanitary)
Project consisted of complete R/W improvements including; Sanitary Sewers, Watermains, Drainage, swale reconstruction, new curbs, sidewalks and driveways, landscaping irrigation and road reconstruction. This project encompassed a school; park and a church requiring site specific MOT and protection of school children. We routinely coordinated work through the homeowners association and attended various homeowner meetings. The Owner also added a 3 Million dollar 20" watermain extension and directional drill.

St George West Neighborhood Improvement Project
Project consisted of complete R/W improvements including; Sanitary Sewers, Watermains, Drainage, swale reconstruction, new curbs, sidewalks and driveways, landscaping irrigation and road reconstruction. With over 500 homes We routinely coordinated work through the homeowners association and attended various homeowner meetings. Same as our St George East project.



LANZO
Construction Co., Florida

Giuseppe D'Alessandro
President

EXPERIENCE

1979 to Present
Lanzo Companies

Mr. D'Alessandro, with over 29 years of experience in the construction industry, is responsible for all executive decisions of the Lanzo Companies.

He has demonstrated excellent management ability to effectively organize and execute multiple projects simultaneously to the full satisfaction of the owners.

Mr. D' Alessandro has been the General Manager for many projects in the Miami area for Lanzo Construction Company since 1986. He is well versed and familiar with policies, procedures, requirements and expectations of South Florida governmental bodies including but not limited to Miami-Dade County, Broward County, Florida Department of Transportation, City of Fort Lauderdale, Hollywood, Miramar, Sunrise, cooper City, City of Key West and Palm Beach County

From 1982 to 1984, Mr. D'Alessandro was a field Superintendent directly responsible for construction of projects in Texas. These projects consisted of sanitary sewers, water mains, and storm sewers both in the private sector and municipal market.

From 1984 to 1986, Mr. D'Alessandro was in Florida as a General Superintendent directly in charge of construction of projects throughout the state. These projects included The Town of Medley Sanitary Sewer Collection Supplier contract S-267B for WASD, Wagner Creek and Fairlawn Projects for the City of Miami.

From 1986 to the present, Mr. D'Alessandro has been in charge of all aspects of contracting, from bidding to closeout, including all administration, negotiations, and construction. He has been responsible for over 100 projects throughout his career with the firm.

Mr. D'Alessandro has been in the position of President for 8 years, but has always shown an interest in the direction the company was going even as executing his duties as superintendent. He has always been heavily involved in the scheduling aspect of all the projects on the table.

LICENSE

Miami-Dade County – Licensed Utility Contractor

LANZO
Construction Co., Florida

Matthew P. Tilli
Chief Engineer, Vice President Operations

EXPERIENCE

Lanzo Construction Co., Fl.
1980 to present

Mr. Tilli brings over 38 years of construction experience, 29 of those years with Lanzo Construction. He has been the Company's Chief Engineer for practically his entire career with Lanzo. During his tenure he has been involved in well over 300 different projects the company has undertaken, working in Texas, Ohio, Michigan and Florida.

Mr. Tilli is Vice President for Operations, with primary responsibility for estimating, scheduling and contract administration. He oversee our Project Management staff for all our operations corporate wide.

His work experience has included construction of Wastewater Treatment Plants, Off-Shore Outfall Pipeline, Rapid Infiltration Basins, Canal Crossings, Pump Stations and a series Micro Tunneling Projects. All projects have been of various sizes and capacities, with Pipeline dimensions from 8" to 120". Most recently completed work on FDOT roadwork and bridge construction, presently involved on two additional road projects for FDOT in Broward and Palm Beach Counties.

Prior to joining Lanzo, Mr. Tilli held various positions with other firms from project estimator to project manager for underground utility contractors. His building experience, has served Lanzo well in the construction of Water Treatment Plants and Wastewater Treatment facilities throughout Michigan and Florida.

EDUCATION

Bachelor of Science Civil Engineering, Michigan Technological University

LICENSES

State of Florida, DBPR Underground Utility & Excavation Contractor CUC049468

State of Florida, DBPR General Contractor CGC036262

Broward County – Certificate of Competency – 3A Major Roads (Concrete & Asphalt) Lic. # 87-975

Broward County - Certificate of Competency – 1A Primary Pipelines (Water, Sewer & Drainage) Lic. # 87-975

Dade County - Certificate of Competency – Engineering Lic. # E-1233

City of Boca Raton - Certified General Contractor

Palm Beach County - Occupation Licensed Underground Contractor, General Contractor

City of Key West – Licensed Underground Utility Contractor

LANZO
Construction Co., Florida

Robert W. Beaty III, P. E.
Project Engineer/Manager

EXPERIENCE

Lanzo Construction Co., Florida
Project Engineer
February 1986 to present

Contract Interpretation and administration of various heavy construction contracts. Installations of all forms of pipelines (1" - 120"), pump stations (Local - Master), and warehouse facilities (18,000 SF - Type). Prepared scheduling and planning necessary to build correctly once. Billing work performed and cost presentations for additional work. Prepared material and subcontractor procurement needs and contracts. Monitor cost of work and estimate cost of future work.

Paul N. Howard Inc., Div. of ITT Corp., Greensboro, NC
Project Engineer, Assistant Project Manager

St. Louis, MO. - 54" storm drainage installation by Jack and Bore.
Mandeville, Jamaica - 96" PCCP Water Main - Blast and open cut Operation.
Palm Coast, FL - Utility and Earthwork -
Jeddah, Saudi Arabia - Fast Track Design/Build Water Distribution System -

Charles F. Smith & Son, Inc., Kennett Square
Project Engineer

Lake Worth, FL. - 36" Force main - Dewater and open cut operation.
Miami Beach, FL - 36" Force main, 42" water, Gravity Sewer
Jacksonville, FL - 30" Gravity Sewer - Dewater and open cut operation.

EDUCATION

Bachelor of Science in Civil Engineering
North Carolina State University, Raleigh

LICENSES

Professional Engineers License Number PE 0051867
State of Florida Dept. of Professional Regulation
Board of Professional Engineers

Certified General Contractor, Cert. No. CG C050862
State of Florida Dept. of Professional Regulation
Construction Industry Licensing Board

Underground Utility Contractor, Cert. No. CU C053346
State of Florida Dept. of Professional Regulation
Construction Industry Licensing Board

LANZO
Construction Co., Florida

Quirino D'Alessandro, Jr. (Gary)
Vice President/Head Construction Supervisor

EXPERIENCE

Lanzo Construction Co.
1989 to Present

Mr. D'Alessandro, has over 19 years of experience in the construction industry is involved in all executive decisions of Lanzo Construction Co.

He has demonstrated excellent management ability and has effectively supervised all aspects of construction projects.

He has managed and supervised many projects in the Miami area for Lanzo Construction Company since 2003. He is well versed and familiar with policies, procedures, requirements and expectations of many South Florida governmental bodies including but not limited to Metro-Dade County, Broward County, Florida Department of Transportation, City of Fort Lauderdale, Hollywood, Miramar and Palm Beach

As the Head Field Superintendent, he is directly responsible for the construction of projects encompassing the installation of sanitary sewers, water mains, and storm sewers both in the private sector and municipal market.

LANZO
Construction Co., Florida

Ronald Mezza
Superintendent

EXPERIENCE

Lanzo Construction Co.
Superintendent
August 1982 to present

Mr. Mezza has over 37 years experience in the construction industry He possesses specific experience within different phases of commercial construction, including heavy highway, utilities underground and building.

Within his capacity at Lanzo Construction he is currently involved in contract interpretation and the administration of various construction projects. His experience includes installation of all forms of pipelines (1"-120"), pumps stations (Local-Master), and warehouse facilities. Scheduling and planning is necessary to effectively administer projects. Mr. Mezza is qualified in the financial management and projected earnings of construction contracts.

Mr. Mezza, is proficient with South Florida Public Agency policies, procedures, requirements and expectations, due in particular to the over 100 projects obtained by Lanzo Construction, many of them from Miami Dade Water & Sewer Included are Rehabilitation of Sanitary Sewer Restoration Program S-31 9B, 5 31 9C,Div 1&2, S-319D, where large diameter sewers were slip-lined. Sunny Isles Sewer on AlA, where 4,189 ft of 36' pipe and 2 *555 ft* of 30' pipe was lined with Resin Impregnated Felt Cured in-Place Lining WASD Contract S-363. He is currently in charge of Broward County Neighborhood Improvement projects dealing with issues specific to this type of project such as handling customer complaints and neighborhood problems.

EDUCATION

High School Diploma

LANZO

Construction
Co., Florida

John McCullen
Professional Surveyor & Mapper

EXPERIENCE:

Lanzo Construction
July 2004 – Present

Manage Lanzo Survey Department. Prepare field crews for construction layout. Oversee the collection and processing of as-built data from the field to the certification of the final drawings.

BNB Services, Plantation, FL (Land Surveying)

Generate new client base, estimate and bid survey work, manage field and office.

Arvida/JMB, Weston FL

Staff Engineer, Land Development Manager and Land Development Superintendant.

Involved in the management, coordination and supervision of the 10,000 acre Weston Development.

Development activities include:

- Earthwork-Lake excavation, fill replacement
- Sewer, Water, Drainage installation
- Road Construction
- Street Light Design and installation
- Roadway and parcel landscaping
- Traffic Signal installation
- Subdivision amenities – Entry features, tennis courts, swimming pool/bath house, and Playgrounds
- Address mapping and post office coordination
- HOA turnovers
- City and County Bond releases

EDUCATION

Batchelor of Science in Business Administration
Bowling Green State University, Bowling Green, Ohio

LICENSES

Professional Surveyor and Mapper, Florida #1070

CARLOS M. GIL-MERA, P.E.

Principal

Mr. Gil-Mera brings over 21 years of experience in the Design of Highway Facilities. He spent the first thirteen years of his career working for the Florida Department of Transportation District VI internal design office on the production of roadway plans including minor design and major reconstruction projects. During the last two years of his career at FDOT, he worked as District VI Roadway Design Project Manager where he was head on an Internal Design Team working on a large number of milling and resurfacing and reconstruction projects. As one of the principal of A&P, Mr. Gil-Mera has designed and managed numerous Transportation Projects for Governmental and Private Clients. Mr. Gil-Mera is an active member of the American Society of Civil Engineers, The Florida Engineering Society and the Cuban-American Association of Civil Engineers where he currently holds the Secretary Position. He is a 1986 graduate of Florida International University with a Bachelor's Degree in Civil Engineering.

Key Projects:

Washington Avenue Design-Built Project – Phase 2, 4 and 5, Miami Beach, Florida
Client: City of Miami Beach (Charles Carreno, P.E. 305 796-4280)
Construction Value: $12,104,429
Design Start/Finish Date: June 2004 / October 2006
Engineer of Record and Project Manager for this design/build project. Responsibilities included the design water main distribution mains, sanitary sewer pipe/manhole up sizing, storm water gravity wells system, new curb/gutter and sidewalk, road reconstruction, milling and resurfacing, street lighting design and signing and markings.

SR-826 / Palmetto Expressway @ NW 67th Ave. and NW 57th Ave. Ramp Widening Miami-Dade County, Fl.
Client: FDOT District VI (Harold Desdunes, P.E. 305 470-5271)
Construction Value: $3,700.000
Design Start/Finish Date: September 1998 / March 2000
Engineer of Record for the widening of northbound exit ramps at NW 67th Avenue and NW 57th Avenue. This project included the preparation of Roadway Plans, Drainage Improvements, Signalization, Lighting and Signing and Pavement Marking Plans.

Miami Intermodal Center (MIC), Miami-Dade County, Fl.
Client: FDOT District VI (Kouroche Mohandes, P.E. 305 470-5401)
Construction Value: $3,700.000
Design Start/Finish Date: September 2002 / January 2004
Responsible for the development of the Utility Master Plan for the MIC Program as well as the preparation of Utility Relocation Schedules, Reimbursable Agreements with utility companies, Utility Clear Packages and Utility Design by FDOT Consultant Agreements (JPA's) for all the MIC Roadway Projects.

NW 14th Street Reconstruction, Miami-Dade County, Florida
Client: FDOT District VI (Elsa Riverol, P.E. 305 470-5301)
Construction Value: $2,910,000.00
Design Start/Finish Date: February 2002 / October 2002
Engineer of Record for the total reconstruction of NW 14th Street from NW 42nd Court to NW 34th Avenue. This project included the preparation of Roadway Plans, Drainage improvements including a Pump Station, Signalization, Lighting and Signing and Pavement Markings and Intelligent Transportation System (I.T.S) Plans.

Experience Highlights

More than 21 years of Roadway and Infrastructure design experience

Registration:
1991, Florida Professional Engineer No. 43953

1992, Florida Certified General Contractor No. 56647

1997, State Certified Underground Utility and Excavation Contractor No. 56977

Education:
Bachelor of Science - Civil Engineering, April 1986
Florida International University, Miami Fl.

Experience:
Principal / Project Manager
December 2000 – Present
A&P Consulting Transportation Engineers

Roadway Design Project Manager
Jan. 1999 – Nov. 2000
FDOT - District VI, Miami

Project Engineer
Oct. 1989- Dec. 1998
FDOT - District VI, Miami

PE Trainee
Sept. 1987- Oct. 1989
FDOT - District VI, Miami

Principal

SR-5 / US-1 Widening and Reconstruction, Miami-Dade County, Florida
Client: FDOT District VI (Harold Desdunes, P.E. 305 470-5271)
Construction Value: $10,300,000.00
Design Start/Finish Date: July 1998 / December 2000
Engineer of Record for the Widening and Reconstruction of US-1 from SW 264th Street to SW 232nd Avenue. This project included the preparation of Roadway Plans, Drainage Improvements, Signalization, Lighting and Signing and Pavement Marking Plans.

SR-804 / Boynton Beach Blvd., 3R Project and Minor Bridge Widening, Palm Beach County, Florida
Client: FDOT District IV (Henry Oaikhena, P.E. (954) 777-4445)
Construction Value: $2,910,000.00
Design Start/Finish Date: July 2003 / October 2006
Engineer of Record for the Milling & Resurfacing of Boynton Beach Blvd. From Old Boynton Beach to US-1. This project included the preparation of Roadway Plans, Minor Bridge Plans, Signalization and Signing Marking Plans.

Lummus Neighborhood– 7th and 8th Streetscape Improvements
City of Miami Beach, Florida
Client: City of Miami Beach (Reynaldo Abre, Project Manager)
Design Start/Finish Date: February 2007 / Ongoing
Contract Value: $1.5 Million
Project consisted of improving the water main and drainage in the Lummus Neighbourhood, for 7th and 8th Street. The removal and replacement of existing curb & gutter and sidewalk between 11th St. and 16th St. was done. Storm water pipe upsizing and drainage was incorporated to the drainage improvements. Milling & Resurfacing, signing and pavement marking, street lighting and aesthetic enhancement (plating of Coconut Palms in sidewalk) were key improvement implicated in this project. All improvements fell under ADA and MOT compliance.

Nautilus Neighborhood Improvements
City of Miami Beach, Florida
Client: City of Miami Beach (Jorge Chartrand, P.E., Project Manager (305) 673-7071)
Design Start/Finish Date: May 2005 / Ongoing
Contract Value: $2.6 Million
The Nautilus Neighborhood includes all of the area from Surprise Lake, south to the south end of the 41st Street right-of-way, and from Biscayne Bay east to the Indian Creek waterway, inclusive of the Orchard Park sub-neighborhood. The area is generally comprised of single-family residential streets with some pockets of multi-family uses. Major institutional used include Mount Sinai Medical Center, Miami Heart Institute, Nautilus Middle School, and North Beach Elementary School. Arthur Godfrey Road (41st Street), a State roadway, is a major commercial corridor to the southern border of the neighborhood. Alton Road is a state minor arterial on the west side, and Pine Tree Drive is a County collector road along the east side of the neighborhood.
The improvements to the stormwater system are limited to the three priority drainage basins (92, 97 & 99) identified in the City of Miami Beach Stormwater Management

City of Miami Streetcar Utility Master Plan
Client: City of Miami (Leo Villalobos, Project Manager (305)416-1073)
Design Start/Finish Date: On-Going
Prepare a "Utility Master Plan" for the City of Miami Streetcar Corridor. The proposed 9.00 mile streetcar service would provide and improve transit connections between downtown Miami and the redeveloping areas of Wynwood / Edgewater, midtown Miami, the Design District and the Buena Vista East Historical District. Although the proposed streetcar system is expected to use a shallow trackbed construction method that would minimize utility impacts, it is assumed that any utility running longitudinally underneath the trackbed would require relocation.

ARNELIO ALFONSO, P.E.

Head of the Water Resources Department

Mr. Alfonso has over 19 years of experience on Design of Water Distribution and Sanitary Sewer and Stormwater Management Systems. Mr. Alfonso is currently in charge of the company's Water Resources Department, leading the Design of Storm Water Management Systems, Water Distribution and Sanitary Sewer. Mr. Alfonso also has experience in obtaining Environmental Permits associated with the proposed Stormwater Management Systems. Among his most relevant projects are: Sanitary Sewer Lift Station 101 (MDWASD), Water Main along N.W./N.E. 103rd Street, Miami Intermodal Center (MIC) Water and Sewer Improvements, NW 25th Street – 36-inch Force Main, NW 37th Avenue/Transit Access Road – 24-inch Force Main, Miami Intermodal Center (MIC) Drainage Master Plan, Miami International Airport Technical Assistance, SR-836 / N.W. 14th Street Pump Station, and the Bridge Hydraulic Analysis of the NW 12 Ave. bridge over the Miami River. He is currently a member of the Florida Engineering Society (FES), and the Cuban-American Association of Civil Engineers (C-AACE).

Key Projects:

Miami Intermodal Center (MIC) Water and Sewer Improvements, Miami-Dade County, FL.
Client: FDOT District VI (Kouroche Mohandes, P.E. 305 470 5401)
Contract Value:
Design Start/Finish Date: January 2000 / December 2005
As Project Manager, was responsible for preparing the Water and Sewer Improvement Program. This project included coordination with MD-WASD and all utility companies present in the area in order to design a master water and sewer system which included the design of a new regional lift station (PS 101), a gravity sewer system, 12" force main and 24" water main that will provide services to the future Rental Car Facility and a 30" steel casing installed by microtunneling under the CSX RR.

Water and Sewer Improvements for Perrine Cutler Ridge, Miami-Dade County, FL
Client: M-D WASD (Reynaldo Abreu 786 552 8161)
Contract Value:
Design Start/Finish Date: February 2007 / On-Going
As Project Manager, Mr. Alfonso was responsible for design of 14,000 LF of 12-in WM, 2,700 LF of 16-in WM. Project consists of three Basins one where Pump Station 751 is being replaced, the second where a new pump station will be created, and third, Pump Station 531 will be upgraded. As well as 31,550 LF of various sized force mains are to be designed.

36" Water Reuse Transmission Pipeline, Miami-Dade County, FL.
Client: M-D WASD (Eduardo M. Luis. 786 552 8948)
Contract Value:
Design Start/Finish Date: May 2008 / On-Going
As Project Manager, Mr. Alfonso was responsible for design of a 36" reclaimed water transmission line. M-D County has evaluated way to comply with water reuse requirements and has identified reliable cost-effective alternative sources of water to meet future demands. While many water reuse projects in Florida focus on golf courses and residential irrigation, development patterns and existing infrastructure in Miami-Dade County favor other alternatives like groundwater recharge and wetlands rehydration.

Experience Highlights

More than 19 years of water resource and infrastructure design experience

Registration:
1998, Florida Professional Engineer No. 52566

Education:
Bachelor of Science - Civil Engineering, 1985
Polytechnic University of Havana, Cuba

Hydrology Course
1988 Complutense University of Madrid, Spain

Experience:
Senior Project Manager
APCTE Corp.
In charge of the Water Resources Department.

Project Manager
HNTB Corporation

Project Engineer
Biscayne Engineering

Professor
July 1985 - March 1995
Polytechnic University of Havana
As a professor teaching subjects related to Hydraulic Engineering such as: Hydrology, Hydrogeology, Drainage, Irrigation, Hydraulic Systems and Fluid Mechanic.

NW 25 ST 36" Force Main, Miami-Dade County, FL.
Client: M-D WASD (Carlos E. Benavides. 305 740 4481)
Contract Value:
Design Start/Finish Date: December 2004 / May 2005
As Project Manager, Mr. Alfonso was responsible for design of a 36" Force main along NW 25 ST from NW 89 Avenue to SR-826 (Palmetto Expressway). The project included a subaqueous crossing of a DERM Canal through a 54" steel casing.

NW 37 Avenue/Transit Access Road 24" Force Main, Miami-Dade County, FL.
Client: FDOT District VI (Kouroche Mohandes, P.E. 305 470 5401)
Contract Value:
Design Start/Finish Date: January 2003 / December 2004
As Project Manager, Mr. Alfonso was responsible for design of a 24" Force main along the Transit Access Road from NW 25 ST to NW 28 ST. The project included 2000 LF of a 24" force main that serves the City of Miami Springs, the existing meter P-10 was relocated as part of this project.

NE 103 ST / SR 932, 16" Water Main, Miami-Dade County, FL.
Client: M-D WASD (Carlos E. Benavides. 305 740 4481)
Contract Value:
Design Start/Finish Date: December 2003 / May 2004
As Project Manager, Mr. Alfonso was responsible for design of a 16" Water Main along NE 103 ST from NW 7 Avenue to NE 6 Avenue. The project included 8000 LF of a 16" water main, the installation of 143 water service lines with the corresponding water meters and 18 new fire hydrants

SR 953 / NW 42 Ave 16" Water Main, Miami-Dade County, FL.
Client: M-D WASD (Carlos E. Benavides. 305 740 4481)
Contract Value:
Design Start/Finish Date: December 2003 / May 2004
As Project Manager, Mr. Alfonso was responsible for design of a 16" Water Main along NW 42 Avenue from NW 11 Street to NW 25 Street. The project included 6500 LF of a 16" water main, the installation of a turbo meter to serve the Miami International Airport and a 30" steel casing installed by microtunneling

SR 860 / NW 183 ST, Sanitary Sewer System (Three Lift Stations), Miami-Dade County, FL.
Client: M-D WASD (George Aguiar. 305 665 7471)
Contract Value:
Design Start/Finish Date: December 2001 / May 2003
As Project Manager, Mr. Alfonso was responsible for design of a sanitary sewer system along this road; the proposed system included 2000 LF of gravity sewer, three lift stations and force mains.

Miami International Airport, Miami-Dade County, FL.
Client: M-D WASD (Nancy Pantoja, P.E. 305 876 7489)
Contract Value:
Design Start/Finish Date: December 1995 / May 2004
As Project Engineer, was responsible for: preparing Dewatering Master Plan Permit Extensions; providing technical assistance in sanitary and storm sewers projects, studies and reports; serving as civil engineering plan reviewer of new projects at MIA; and conducting annual pavement inspections.

Port of Miami, Miami-Dade County, FL.
Client: M-D WASD (Aguedo E. Bello, P.E. 305 347 4890)
Contract Value:
Design Start/Finish Date: Novemeber 1999 / September 2000
As Project Engineer was responsible for the design and plan production of a proposed sanitary system for Lummus Island, at the Port of Miami. That system included 10000 L.F. of sanitary sewer lines, two lift stations and a graywater connection point. The proposed system discharges into an existing pump station that is connected to the Miami-Dade Water and Sewer Department (MDWSD) system.

Refrences:
Nzeribe (Zerry) Ihekwaba, Ph.D.,P.E., Head Utility Design Section, M-D WASD, (305) 669 7659
George Aguiar, Assistance Manager, Construction Section, M-D WASD, (786) 552 8138
Carlos Benavides, Project Manager M-D WASD, (305) 740 4481

ANTONIO G. ACOSTA, P.E., CGC

Principal

Mr. Acosta brings over 22 years of experience in the Design of Highway, Water & Sewer Facilities and Mechanical Engineering. He spent the first thirteen years of his career working for the Florida Department of Transportation District VI Internal Design Office on the production of roadway plans including minor design and major reconstruction projects. During the last two years of his career at FDOT, he worked as District VI Roadway Design Project Manager where he was head of an Internal Design Team working on a large number of milling & resurfacing projects similar to the ones required by this contract. He's working today as the Roadway & infrastructure Task Manager for the Miami Intermodal Center (MIC). He is currently an active member of the Cuban-American Association of Civil Engineers (C-AACE). Mr. Acosta is also in charge of all operation for this General Contracting Company. Were we have built several custom homes in the South Florida area during the last fifteen years. We have also completed several commercial projects including a 89,000 square foot shopping center (President Superplaza). In this shopping center we also designed and constructed the site civil, including drainage, lighting, water and sewer for a 400 space parking lot.

Key Projects:

Miami Intermodal Center Miami, Florida
Client: FDOT District VI (Kouroche Mohandes, P.E. 305 470 5401)
Design Start/Finish Date: January 2000 / December 2005
Roadways and Infrastructure Task Manager for the MIC Management Group. In charge of the development of Drainage and Utility Master Plan for the 1.3 billion dollar projects. Also in charge of coordinating all the development of all the Roadway Plans, including Geotechnical, Survey, Right of Way. Responsible for coordination with all different agencies having projects in the area like MDX, Miami Dade County Public Works, City of Miami, Miami International Airport etc.

SW 8th street (57th Avenue to 42nd Avenue), Miami, Florida
Client: FDOT District VI (Felix A. Blanco, P.E. 305 592-7283)
As the Project Manager for the total reconstruction of this section of SW 8th Street "Calle 8", was in charge of the design of a new drainage system, new lighting, and new signalization. The project also included the coordination and design of a new 16" water main along the corridor. Mr. Acosta was in charge of the post design services during services. Design started in 1996 and ended in 1998.

MIC Terminal Access Roadways (MTAR) Miami, Florida
Client: FDOT District VI (Kouroche Mohandes, P.E. 305 470 5401)
Design Start/Finish Date: January 2000 / December 2005
Engineer of Record for the development of the Roadway Construction Plan for this new road to provide access to the proposed Rental Car Facility. The project is located just east of the Miami International Airport and includes a new system of ramps to connect the Rental Car Facility with LeJeune Northbound and Southbound and the Central Blvd. / Miami International Airport Interchange. MTAR, in conjunction with the Le Jeune Road corridor project will facilitate a seamless connection between the MIA, RCF and future MIC Core with SR-836 and proposed MDX Interconnector. Design started on Nov. 2001 and ended Dec. 2004.

12 Unit Apartment Building Four-Story, Miami, Florida.
Project Engineer serving as the Mechanical Engineer for this a new 4-story / 12 unit apartment building. The system includes, but not limited to: heating, ventilation, air conditioning, plumbing, piping, fire protection system design. Including Energy, Heat and Cooling load calculations as well as the plumbing design for this building, as well as selection of equipment and administration of installation.

Experience Highlights
More than 22 years of Roadway and Infrastructure design experience

Registration:
1988, Florida Professional Engineer No. 40845

1989, Florida Certified General Contractor No. CGC047411

1996, Florida Certified Plumbing Contractor No. CFC056988

1998, Florida Certified Air Conditioning Contractor No. CAC057593

Education:
Bachelors of Science - Civil Engineering December 1985
Florida International University, Miami Fl.

Experience: President, Quality Control Manager
Jan 2000 – Present
A&P Consulting Transportation Engineers

Roadway Design Project Manager
May 1999 - Dec 1999
I.C.F. Kaiser - Miami

Roadway Design Project Manager
Jan 1995 - April 1999
FDOT - District VI, Miami

Project Engineer
Feb 1988- Jan 1995
FDOT - District VI, Miami

SR 994 / Quail Roost drive (SW 127 avenue to US-1), Dade County, Florida
Client: FDOT District VI (Carlos Garcia, P.E. 305 262-7466)
Design Start/Finish Date: January 2000 / December 2005
Project engineer for the reconstruction of a 3 mile 5 lane facility. This project included extensive coordination with DERM and South Florida Water Management. The project included two alternate canal crossing designs, a culvert extension and a cast in place concrete single span bridge. Was also in charge of the post design services during the 2 years of construction including field inspections and coordination with the roadway construction inspection team. Design completed from 1993 to 1995.

Site Civil for Leon Medical Center West, Hialeah, Florida.
Client: Leon Medical Centers
Design Start/Finish Date: May 2006
Engineer of Record for this project. In charge of preparing the construction plans set for the development of all site paving, grading, drainage, drainage calculations, signing & markings, coordination with City and DERM permitting, water main service connections and gravity sewer connections.

SW 8th Street Interchange Modifications at the Florida Turnpike.
Client: FDOT Turnpike Enterprise (Cheryl Doherty 407 532-3999)
Engineer of Record for this project. Prepare Construction Documents (Plans and Specifications) for a new southbound HEFT exit ramp to westbound SW 8th Street in order to alleviate the mainline weave condition that results from the heavy movement between the southbound HEFT entry from westbound SR-836 traffic crossing the southbound HEFT existing to SW 8th street. The new ramp will be built from the southbound collector-distributor roadway that is now under construction on the HEFT between NW 12th Street and SR-836, and then loops around the new MDX westbound SR-836 ramp and then connects to the existing toll plaza just south of the Flagler Street which is also under construction (widened to two lanes). The proposed typical consists of a single 15 feet lane ramp facility with 6 feet shoulders, 2 feet paved on the left and 4 feet paved on the right.

President Superplaza
Engineer of Record for the development of the Civil Site Construction Plans and General Contractor for this new 82,000 Sq. Ft. Shopping Plaza, locate at 11300 Quailroost Drive, Miami, Florida. Construction Cost. $5,200,000.00. Completion Date: April, 2001. In charge of Quality Control and Management of all construction aspect of this site. Responsible for the administration, coordination and management of the company and subcontractors.

Residence for Mr. Omar Rodriguez
General Contractor for this new 10,800 Sq. Ft. Custom Home, locate at 12267 S.W. 51st Street, Miami, Florida. Construction Cost. $3,500,000.00. Completion Date: February, 2002. In charge of Quality Control and Management of all construction aspect of this site. Responsible for the administration, coordination and management of the company and subcontractors.

Other Projects:
- Total reconstruction of a section of Indian Creek from 26th Street to 41st Street, including the construction of a sheet pilling wall to avoid further erosion of the existing road,
- Restoration and median opening modifications to NE 163rd Street from the Golden Glades interchange to NE 6th Avenue,
- Widening of SR-25 / Okeechobee road from the Palmetto expressway to the turnpike.
- NE 6th Avenue from 110th Street to 121st Street,
- Second stage resurfacing of I-75 from the SR-826 expressway to the Dade-Broward County Line,
- Resurfacing and sidewalk reconstruction of Biscayne Blvd from SE 2nd Street to NE 5th Street,
- SR-826 from NW 154th Street to the Golden Glades Interchange,
- Mechanical Design for BTS Three-Story Commercial Building, Miami, Florida,
- Mechanical Design for 11 Unit Apartment Building, Four-Story, Miami, Florida

EITHEL M. SIERRA, P.E.

Senior Project Manager

Mr. Sierra graduated (Magna Cum Laude) from Florida International University with a Bachelor's degree in Civil Engineering in 1995. He has over 12 years experience in the design of highway facilities. He dedicated his first three years providing Microstation, GEOPAK, CAICE, and Plans Preparation technical support to Florida, Illinois, and Mississippi Department's of Transportations. He is highly experienced, and is currently working as Senior Project Manager in (urban and rural new construction, total reconstruction and resurfacing, restoration, and rehabilitation) (RRR) projects including Roadway, Signing & Pavement Markings, Signalization, Lighting components and Intelligent Transportation System components. Mr. Sierra is also experienced in Water & Sewer Main design, Right-of-Way plans, intersection layouts, ATMS plans, Specifications, Technical Special Provisions, and Utilities Coordination & Permits. He is certified by FDOT to design Traffic Control Plans. He has designed and managed several (water & sewer) projects for Miami-Dade Water and Sewer Department and the City of Miami Beach, including pipeline design, Technical Special Provisions, Utilities and Permits Coordination.

Key Projects:

NW 14th Street Reconstruction, Miami-Dade County, Florida
Client: FDOT District 6 (Elsa Riverol, P.E.(305) 470-5301
Financial Project ID: 405664-1-52-01
Contract Value: $2,910,000.00
Design Start/Finish Date: February 2002 / October 2002
Project Engineer for the total reconstruction of NW 14th Street from NW 42nd Court to NW 34th Avenue. This project included the preparation of Roadway Plans, Drainage improvements including a Pump Station, Signalization, Lighting and Signing and Pavement Markings and Intelligent Transportation System (I.T.S) Plans. Project Construction Cost

SR-5 / US-1 Widening and Reconstruction, Miami-Dade County, Florida
Client: FDOT District 6 (Harold Desdunes, P.E., (305) 470-5271)
Design Start/Finish Date: July 1998 / December 2000
Contract Value: $10,300,000.00
Project Engineer for the Widening and Reconstruction of US-1 from SW 264th Street to SW 232nd Avenue. This project included the preparation of Roadway Plans, Drainage Improvements, Signalization, Lighting and Signing and Pavement Marking Plans.

SR 860/NW 183 ST/Miami Gardens Drive (NW 28 PL to NW 14 AVE), Miami-Dade County, FL
Client: FDOT District 6 (Erki Suarez, Project Manager (305) 470-5127)
Financial Project ID: 250200-1-52-01
Contract Value: $8,688,306.00
Design Start/Finish Date: July 1999 / February 2003
Widening and reconstruction of 1.5 miles of a multi lane divided urban roadway. Severed as the Project Engineer in this FDOT District 6 Internal Design project. Designed and prepared design documents including, typical section package, pavement design, drainage report, etc. Updated all traffic signals from span wire to mast arms. Prepared a set of Contract Plans comprised of roadway, signing, pavement marking, signalization, and highway lighting. Provided post design and engineering services during construction. Performed regular field inspections.

Experience Highlights

More than 12 years of design and management in the electrical engineering field

Registration:
2000, Florida Professional Engineer No. 55401

Education:
Bachelor Science in Civil Engineering April 1995
Honored Magna Cum Laude, Honor Student and Dean's List. Florida International University, Miami Fl. 33199

Associate in Arts in Civil Engineering
December 1991
Honored Excellence in Mathematics, Honor Student and Dean's List. Miami Dade Community College, Miami Fl.

Continuing Education:
Advance Work Zone Traffic Control Certified April 2004

FDOT Electronic Delivery Production Training October 2004

Experience:
Senior Project Engineer / Project Manager
Sept. 1999 - Present
APCTE

Lecturer / CADD Support Specialist
April 1995 – Aug. 1999
A&P Computer Training Corporation, Miami Fl.

Washington Avenue Design-Built Project – Phase 2, 4 and 5, Miami Beach, Florida
Client: Miami-Dade Water & Sewer Department (Charles Carreno, P.E., (305) 796-4280)
Design Start/Finish Date: June 2004 / On-going
Contract Value: $12,104,429.00
Project Engineer for this design/build project. Responsibilities included the design water main distribution mains, sanitary sewer pipe/manhole up sizing, storm water gravity wells system, new curb/gutter and sidewalk, road reconstruction, milling and resurfacing, street lighting design and signing and markings.

Verona Avenue Bridge – 6-inch F.M.
Client: City of Miami Beach (Carlos Benavides, (305) 740-4481)
Design Start/Finish Date: April 2003 / October, 2003
Contract Value: $16,941.75
Project Engineer to Prepare Construction Documents (plans and specifications) as part of a JPA between FDOT and M-D WASD, which included the installation of approximately 403 L.F. of 6" D.I.P. at the Verona Avenue Bridge from East of South Island Drive to West of Golden Beach Drive. Proposed force alignment also included the design of 115 L.F. of 6" Stainless Steel aerial canal crossing at the Verona Bridge across the Grand Canal. As part of the construction of the new bridge, the project also included the design of the temporary 6" Ductile Iron force main. A&P Consulting was in charge to obtain all permits (HRS, Fire Department, Army Corps, and DERM) as well as to elaborate the Technical Special Provisions for the installation of the new temporary 6" force mains and appurtances.

Biscayne Boulevard Reconstruction
Client: City of Miami (Kevin A. Brown, P.E., (305) 416-1090)
Design Start/Finish Date: June, 2005 / February, 2006
Contract Value: $152,425.00
Designer of record to Prepare Construction Documents (plans and specifications) for the reconstruction of SR-5 / Biscayne Boulevard from NE 14th Street to NE 15th Street. Project included roadway reconstruction, drainage, lighting, landscape, irrigation, signing and markings and signalization

Lummus Neighborhood– 7th and 8th Streetscape Improvements
City of Miami Beach, Florida
Client: City of Miami Beach (Reynaldo Abre, Project Manager)
Design Start/Finish Date: February 2007 / Ongoing
Contract Value: $1.5 Million
Project consisted of improving the water main and drainage in the Lummus Neighbourhood, for 7th and 8th Street. The removal and replacement of existing curb & gutter and sidewalk between 11th St. and 16th St. was done. Storm water pipe upsizing and drainage was incorporated to the drainage improvements. Milling & Resurfacing, signing and pavement marking, street lighting and aesthetic enhancement (plating of Coconut Palms in sidewalk) were key improvement implicated in this project. All improvements fell under ADA and MOT compliance.

Nautilus Neighborhood Improvements
City of Miami Beach, Florida
Client: City of Miami Beach (Jorge Chartrand, P.E., Project Manager (305) 673-7071)
Design Start/Finish Date: May 2005 / Ongoing
Contract Value: $2.6 Million
The Nautilus Neighborhood includes all of the area from Surprise Lake, south to the south end of the 41st Street right-of-way, and from Biscayne Bay east to the Indian Creek waterway, inclusive of the Orchard Park sub-neighborhood. The area is generally comprised of single-family residential streets with some pockets of multi-family uses. Major institutional used include Mount Sinai Medical Center, Miami Heart Institute, Nautilus Middle School, and North Beach Elementary School. Arthur Godfrey Road (41st Street), a State roadway, is a major commercial corridor to the southern border of the neighborhood. Alton Road is a state minor arterial on the west side, and Pine Tree Drive is a County collector road along the east side of the neighborhood.
The improvements to the stormwater system are limited to the three priority drainage basins (92, 97 & 99) identified in the City of Miami Beach Stormwater Management

LAZARO FERRERO, P.E.

Senior Water Resources Project Manager

As senior project engineer, in charge of water and sewer system design. Mr. Ferrero has over 17 years of engineering experience in pumping stations, pipe networks, water main, force main and hydraulic and structural design and computer programming for engineering. Mr. Ferrero has been responsible for the design of several Water & Sewer Projects in Miami-Dade and Broward Counties. Among his most relevant projects are: MIC Water & Sewer Improvements; Rental Car Facility Water & Sewer Design; Washington Avenue Sanitary Sewer; 16-inch Water Main along Le Jeune Road, from US-1 to SW 8th Street. Mr. Ferrero is currently a member of the Florida Engineering Society (FES)

Key Projects:

Rental Car Center (RCC), Dade County, FL.
Client: FDOT District VI (Kouroche Mohandes, P.E. 305 470 5401)
Contract Value:
Design Start/Finish Date: January 2000 / December 2005
Design engineer on civil plans, which included paving, grading and drainage, domestic and fire water mains and the sanitary system design, following the MDWASD and FDOT drainage manual requirements. The total area of the project is 30 Acres.

Miami Intermodal Center (MIC), FDOT District 6, Miami-Dade County, FL.
Client: FDOT District VI (Kouroche Mohandes, P.E. 305 470 5401)
Contract Value:
Design Start/Finish Date: January 2000 / December 2005
Development a Stormwater Management Master Plan. This is multimodal transportation facility, which link Metrorail, Amtrak, Tri-Rail, High Speed Train and Metrobus. The total area of the project is 742 Acres, which includes the SR 836/SR 112 Interconnector, Mic Core, Rental Car Facilities, MIC/MIA Connector and Baggage Tunnel.

Water and Sewer Improvements for Perrine Cutler Ridge, Miami-Dade County, FL
Client: M-D WASD (Reynaldo Abreu 786 552 8161)
Contract Value:
Design Start/Finish Date: February 2007 / On-Going
As Project Engineer, Mr. Ferrero was responsible for design of 14,000 LF of 12-in WM, 2,700 LF of 16-in WM. Project consists of three Basins one where Pump Station 751 is being replaced, the second where a new pump station will be created, and third, Pump Station 531 will be upgraded. As well as 31,550 LF of various sized force mains are to be designed.

36" Water Reuse Transmission Pipeline, Miami-Dade County, FL.
Client: M-D WASD (Eduardo M. Luis. 786 552 8948)
Contract Value:
Design Start/Finish Date: May 2008 / On-Going
As Project Engineer, Mr. Ferrero was responsible for design of a 36" reclaimed water transmission line. M-D County has evaluated way to comply with water reuse requirements and has identified reliable cost-effective alternative sources of water to meet future demands. While many water reuse projects in Florida focus on golf courses and residential irrigation, development patterns and existing infrastructure in Miami-Dade County favor other alternatives like groundwater recharge and wetlands rehydration.

Experience Highlights

More than 17 years of water resource and infrastructure design experience

Registration:
2001, Florida Professional Engineer No. **58025**

Education:
Bachelor of Science - Civil Engineering, 1985
Polytechnic University of Havana, Cuba

Experience:
Senior Project Engineer
March 2004 - Present
APCTE
Senior project engineer, in charge of water and sewer system design.

Project Engineer
Nov. 2000 - March 2004
HNTB Corporation
Project engineer for the Miami office

Project Engineer
Jul 2000 – Nov. 2000
EAC Consulting Engineer
Drainage engineer for the Miami office, was in charge of Drainage design.

Senior Project Engineer
Irrigation and Drainage Institute Havana, Cuba.
Engineer in charge of project management of mayor projects performed for the Ministry of Agriculture and the DOT in Havana, Cuba.

Project Engineer
Jul. 1987 – Jul. 1993
Hydraulics Research Institute, Pinar del Rio, Cuba

Lummus Neighborhood– 7th and 8th Streetscape Improvements
City of Miami Beach, Florida
Client: City of Miami Beach (Reynaldo Abre, Project Manager)
Design Start/Finish Date: February 2007 / Ongoing
Contract Value: $1.5 Million
Project consisted of improving the water main and drainage in the Lummus Neighbourhood, for 7th and 8th Street. The removal and replacement of existing curb & gutter and sidewalk between 11th St. and 16th St. was done. Storm water pipe upsizing and drainage was incorporated to the drainage improvements. Milling & Resurfacing, signing and pavement marking, street lighting and aesthetic enhancement (plating of Coconut Palms in sidewalk) were key improvement implicated in this project. All improvements fell under ADA and MOT compliance.

Nautilus Neighborhood Improvements
City of Miami Beach, Florida
Client: City of Miami Beach (Jorge Chartrand, P.E., Project Manager (305) 673-7071)
Design Start/Finish Date: May 2005 / Ongoing
Contract Value: $2.6 Million
The Nautilus Neighborhood includes all of the area from Surprise Lake, south to the south end of the 41st Street right-of-way, and from Biscayne Bay east to the Indian Creek waterway, inclusive of the Orchard Park sub-neighborhood. The area is generally comprised of single-family residential streets with some pockets of multi-family uses. Major institutional used include Mount Sinai Medical Center, Miami Heart Institute, Nautilus Middle School, and North Beach Elementary School. Arthur Godfrey Road (41st Street), a State roadway, is a major commercial corridor to the southern border of the neighborhood. Alton Road is a state minor arterial on the west side, and Pine Tree Drive is a County collector road along the east side of the neighborhood.
The improvements to the stormwater system are limited to the three priority drainage basins (92, 97 & 99) identified in the City of Miami Beach Stormwater Management

Washington Avenue Improvements Phases II, IV & V - Miami-Dade County, Florida
Client: City of Miami Beach (Charles Carreno, P.E., Project Manager (305) 532-9292)
Design Start/Finish: April 2004 / Ongoing
Contract Value: $1.3 Million
Prepare construction documents (plans and specifications) for the following improvements: milling & resurfacing, new gravity drainage wells, sanitary sewer capacity improvements which consist of pipe/manhole up-sizing, water main upgrades, relocation of water meters/meter boxes, new decorative lighting system, landscape and irrigation upgrades, replacement of curb & gutter and sidewalk from 11th St. to 16th St., design of intersection bumps-outs, compliance with ADA requirements, modification of parking space layout, relocation of existing utilities, coordination with the CMB Parking Department to remove and reinstall parking meter heads and parking signs, & signature median improvements from 5th St. to 6th St., between 16th to Lincoln Rd. and along Lincoln Rd from Washington Ave to Collins Ave. Also responsible for the office administration construction progress activities related to the construction of this right-of-way improvement project.

SR-997 / Krome Avenue from US-1 to Avocado Drive / SW 296th Street, Miami-Dade County, Florida
Client: Florida Department of Transportation (David Mendez, Project Manager (305) 470-5207)
Design Start/Finish Date: July 2005 / Under Design.
Contract Value: $1.0 Million
This project is part of the improvements identified in the Department's Krome Avenue Action Plans approved by the Miami-Dade Metropolitan Planning Organization in March, 1999. This portion of Krome Avenue is a north-south two-lane roadway that extends approximately 3.78 miles from US-1 to Avocado Drive, running through the center of Florida City and the City of Homestead in southern Miami-Dade County. The corridor land use is primarily industrial in the Florida City section (S.W. 352nd St to S.W. 328th Street/Lucy Street) and commercial in the City of Homestead section (S.W. 328th Street/Lucy Street to S.W. 296th Street/Avocado Drive). Designer of record for this project. Prepare Construction Documents (plans and specifications) for the 3.78 mile segment of this urban corridor, including signing & pavement markings, upgrading seven signalized intersections from span-wire to mast-arm, a new signalized intersection, 0.5 mi of lighting, implementation of four traffic safety studies, implementation of Access Management and compliance with ADA requirements, Landscaping & Irrigation within the City of Homestead Florida.

JORGE PENA, I.E.

Project Engineer

Mr. Pena has over three years of experience working as a Transportation Engineer in conjunction with the Florida Department of Transportation and local agencies. Mr. Pena has worked on a number of projects including RRR and Roadway Reconstruction projects. Within these projects, Mr. Pena has conducted Roadway Plans, Signing and Pavement Marking Plans, and Signalization Plans using CADD system (Microstation) and Geopak software as well as pertinent standards. Generated CADD and produced quantities using Geopak for the Computation Book, computed areas, volumes and geometric data required. Coordinated signalization plan permits at Miami-Dade County. And Supervised CADD Technicians in the preparation of roadway, signing and marking, signalization and water main plans

Key Projects:

Lummus Neighborhood– 7th and 8th Streetscape Improvements
City of Miami Beach, Florida
Client: City of Miami Beach (Reynaldo Abre, Project Manager)
Design Start/Finish Date: February 2007 / Ongoing
Contract Value: $1.5 Million
Project consisted of improving the water main and drainage in the Lummus Neighbourhood, for 7th and 8th Street. The removal and replacement of existing curb & gutter and sidewalk between 11th St. and 16th St. was done. Storm water pipe upsizing and drainage was incorporated to the drainage improvements. Milling & Resurfacing, signing and pavement marking, street lighting and aesthetic enhancement (plating of Coconut Palms in sidewalk) were key improvement implicated in this project. All improvements fell under ADA and MOT compliance.

Nautilus Neighborhood Improvements
City of Miami Beach, Florida
Client: City of Miami Beach (Jorge Chartrand, P.E., Project Manager (305) 673-7071)
Design Start/Finish Date: May 2005 / Ongoing
Contract Value: $2.6 Million
The Nautilus Neighborhood includes all of the area from Surprise Lake, south to the south end of the 41st Street right-of-way, and from Biscayne Bay east to the Indian Creek waterway, inclusive of the Orchard Park sub-neighborhood. The area is generally comprised of single-family residential streets with some pockets of multi-family uses. Major institutional used include Mount Sinai Medical Center, Miami Heart Institute, Nautilus Middle School, and North Beach Elementary School. Arthur Godfrey Road (41st Street), a State roadway, is a major commercial corridor to the southern border of the neighborhood. Alton Road is a state minor arterial on the west side, and Pine Tree Drive is a County collector road along the east side of the neighborhood.
The improvements to the stormwater system are limited to the three priority drainage basins (92, 97 & 99) identified in the City of Miami Beach Stormwater Management

Experience Highlights

More than 3 years of design of all types of Rural and Urban Roadway experience

Registration:
2006, Florida Engineering Intern Certification # 1100010970

Education:
Masters In Science - Civil Engineering Fall 2005
Florida International University, Miami, Florida

Bachelors in Science – Civil Engineering Fall 2004
University of New Orleans, New Orleans, LA

Experience:
Project Engineer
A&P Consulting Transportation Engineers, Miami, Florida

Honors / Associations:

American Society of Civil Engineers

Institute of Transportation Engineers - President

Washington Avenue Improvements Phases II, IV & V - Miami-Dade County, Florida
Client: City of Miami Beach (Charles Carreno, P.E., Project Manager (305) 532-9292)
Design Start/Finish: April 2004 / Ongoing
Contract Value: $1.3 Million
Prepare construction documents (plans and specifications) for the following improvements: milling & resurfacing, new gravity drainage wells, sanitary sewer capacity improvements which consist of pipe/manhole up-sizing, water main upgrades, relocation of water meters/meter boxes, new decorative lighting system, landscape and irrigation upgrades, replacement of curb & gutter and sidewalk from 11th St. to 16th St., design of intersection bumps-outs, compliance with ADA requirements, modification of parking space layout, relocation of existing utilities, coordination with the CMB Parking Department to remove and reinstall parking meter heads and parking signs, & signature median improvements from 5th St. to 6th St., between 16th to Lincoln Rd. and along Lincoln Rd from Washington Ave to Collins Ave. Also responsible for the office administration construction progress activities related to the construction of this right-of-way improvement project.

N.W. 37th Avenue - Miami-Dade County, Florida
Client: Miami-Dade County Public Works Department (Raul Quintela, P.E., Project Manager (305) 375-3971)
Design Start/Finish: November 2006 / Ongoing
Contract Value: $608,600
Prepare a Contract Plans Set for the total reconstruction of a 2.72 mi segment of this urban/commercial corridor. Including new drainage, lighting design and compliance with ADA requirements, with the following included: Traffic Control, Maintenance of access for pedestrians to businesses or residences, Underground utility construction, Erosion control and storm water pollution prevention measures, Drainage collection and/or disposal system.

Biscayne Boulevard Miami-Dade County, Florida
Client: City of Miami, Miami, Fl (Kevin A. Brown, P.E, Project Manager (305) 416-1090)
Design Start/Finish Date: June 2005/ November 2006
Contract Value: $150,000
Prepare Construction Documents (plans and specifications) for the reconstruction of SR-5 / Biscayne Boulevard from NE 14th Street to NE 15th Street. The project included Milling, Resurfacing and Streetscape improvements of the street surrounding the new Performance Art Center (PAC) which is being referred as the "Super Block" and bounded by NE 13th Street to the south, NE 15th Street to the north, Bayshore Drive to the east and NE 2nd Avenue to the west, City of Miami, Miami-Dade County. The project also included hardscape limited to street furniture, sidewalk, signing and pavement markings, lighting, utility coordination, landscaping, cost estimates, and all necessary incidental items for a complete project.

LISSETTE GUON, I.E.

Project Engineer

Mrs. Guon has over five years of experience working as a Transportation Engineer in conjunction with the Florida Department of Transportation and local agencies. As a Project Engineer, Mrs. Guon has worked on a number of projects including RRR and Roadway Reconstruction projects. Within these projects, Mr. Guon has conducted Design and Draft Roadway Plans, Signing and Pavement Marking Plans, and Signalization Plans using CADD system and Geopak software. Created and reviewed typical sections, horizontal and vertical alignments. Prepare review and update Roadway plans and other construction documents in accordance with the FDOT Plans Preparation Manual, FDOT Design Standards and Manual of Uniform Traffic Control Devices. Generated CADD produced quantities using Geopak for the Computation Book, compute areas, volumes and geometric data required. Prepared Cost Estimates Analysis and establish projects in the Construction Estimating System (CES)

Key Projects:

Biscayne Boulevard Miami-Dade County, Florida
Client: City of Miami, Miami, Fl (Kevin A. Brown, P.E, Project Manager (305) 416-1090)
Design Start/Finish Date: June 2005/ November 2006
Contract Value: $150,000
Prepare Construction Documents (plans and specifications) for the reconstruction of SR-5 / Biscayne Boulevard from NE 14th Street to NE 15th Street. The project included Milling, Resurfacing and Streetscape improvements of the street surrounding the new Performance Art Center (PAC) which is being referred as the "Super Block" and bounded by NE 13th Street to the south, NE 15th Street to the north, Bayshore Drive to the east and NE 2nd Avenue to the west, City of Miami, Miami-Dade County. The project also included hardscape limited to street furniture, sidewalk, signing and pavement markings, lighting, utility coordination, landscaping, cost estimates, and all necessary incidental items for a complete project.

MIC Terminal Access Roadways (MTAR) Miami-Dade County, Florida
Client: Florida Department of Transportation District 6
(Gary Donn, P.E., Project Manager (305) 470-5145)
Design Start/Finish Date: March 2000 / Ongoing
Contract Value: $1.7 Million
In charge of preparing the construction plans set for this new system of roads providing access to the new Rental Car Facility. The project is located just east of the Miami International Airport and includes a new system of ramps to connect the Rental Car Facility with LeJeune Northbound and Southbound and the Central Blvd. / Miami International Airport Interchange. MTAR, in conjunction with the LeJeune Road corridor project will facilitate a seamless connection between the MIA, RCF and future MIC Core with SR-836 and proposed MDX Interconnector. The project includes new roadway construction, two new bridges, new drainage system, two new signalized intersections, new lighting system, signing & pavement markings and landscape & irrigation.

Experience Highlights

More than 5 years of design of all types of Rural and Urban Roadway experience

Registration:
2004, Florida Engineering Intern Certification # 1100008841

Education:
Bachelors in Science – Civil Engineering April 2002
Florida International University, Miami, Fl

Experience:

Project Engineer
A&P Consulting Transportation Engineers, Miami, Florida

Civil Engineer Intern
Camero & Associates, Inc Miami, Florida

Washington Avenue Improvements Phases II, IV & V - Miami-Dade County, Florida
Client: City of Miami Beach (Charles Carreno, P.E., Project Manager (305) 532-9292)
Design Start/Finish: April 2004 / Ongoing
Contract Value: $1.3 Million
Prepare construction documents (plans and specifications) for the following improvements: milling & resurfacing, new gravity drainage wells, sanitary sewer capacity improvements which consist of pipe/manhole up-sizing, water main upgrades, relocation of water meters/meter boxes, new decorative lighting system, landscape and irrigation upgrades, replacement of curb & gutter and sidewalk from 11th St. to 16th St., design of intersection bumps-outs, compliance with ADA requirements, modification of parking space layout, relocation of existing utilities, coordination with the CMB Parking Department to remove and reinstall parking meter heads and parking signs, & signature median improvements from 5th St. to 6th St., between 16th to Lincoln Rd. and along Lincoln Rd from Washington Ave to Collins Ave. Also responsible for the office administration construction progress activities related to the construction of this right-of-way improvement project.

Lummus Neighborhood – Streetscape Improvements
City of Miami Beach, Florida
Client: City of Miami Beach (Reynaldo Abreu, Project Manager)
Design Start/Finish Date: February 2007 / January 2008
Contract Value: $1.5 Million
Project consisted of improving the water main and drainage in the Lummus Neighbourhood, for 6th Street, 7th Street, 8th Street, 9th Street, 10th Street, 11th Street, 12th Street, 13th Street, 14th Street, 14th Lane and Espanola Way. The removal and replacement of existing curb & gutter and sidewalk between 11th St. and 16th St. was done. Storm water pipe upsizing and drainage was incorporated to the drainage improvements. Milling & Resurfacing, signing and pavement marking, street lighting and aesthetic enhancement (plating of Coconut Palms in sidewalk) were key improvement implicated in this project. All improvements fell under ADA and MOT compliance.

MIC-Earlington Heights Connector
Client: URS Corp.
Design Start/Finish Date: 03/2006 – 08/2007
Site Civil Engineer for the Miami Intermodal Center – Earlinghton Heights Station. The Miami Intermodal Center – Earlinghton Heights projects runs from the existing Earlinghton Heights Station locate next to SR-112 and approximately east of NW 27th Avenue west to the new MIC Core Facility locate next to the Miami International Airport. The project included the site civil design. Maintenance of traffic (including SR-112 & NW 41st Street), detour plans for the MIC-Earlinghton (crossing), Signing and Pavement Marking (including SR-112 and NW 41st Street), signalization design, temporary signal, and substation design. Our site civil department, as part of the design team, has been involved in monthly coordination meetings with Miami-Dade Transit Agency representatives, architects/engineers and system consultants.

Nautilus Neighborhood Improvements
City of Miami Beach, Florida
Client: City of Miami Beach (Jorge Chartrand, P.E., Project Manager (305) 673-7071)
Design Start/Finish Date: May 2005 / Ongoing
Contract Value: $2.6 Million
The Nautilus Neighborhood includes all of the area from Surprise Lake, south to the south end of the 41st Street right-of-way, and from Biscayne Bay east to the Indian Creek waterway, inclusive of the Orchard Park sub-neighborhood. The area is generally comprised of single-family residential streets with some pockets of multi-family uses. Major institutional used include Mount Sinai Medical Center, Miami Heart Institute, Nautilus Middle School, and North Beach Elementary School. Arthur Godfrey Road (41st Street), a State roadway, is a major commercial corridor to the southern border of the neighborhood. Alton Road is a state minor arterial on the west side, and Pine Tree Drive is a County collector road along the east side of the neighborhood.
The improvements to the stormwater system are limited to the three priority drainage basins (92, 97 & 99) identified in the City of Miami Beach Stormwater Management

ALEXANDER S. YI, P.E.

Senior Project Manager

A Civil Engineering Graduate and a Professional Engineer Registered in the State of Florida. Mr. Yi, has over ten years of professional experience in the fields of Design and Management of all types of Rural and Urban Roadways. Within the seven years, four were spent as a Professional Engineer Trainee at FDOT District VI, and two as a Project Engineer at FDOT District VI Internal Design Office. As a Project Engineer, Mr. Yi was in charge of the preparation of all components of a complete Contract Plans Set. These components included: Roadway, Signing and Pavement Marking, Signalization, and Lighting. In 2003, he was appointed to the Department's CADD Roadway Technical Advisory Committee (RTAC) representing District VI. RTAC is a perpetual statewide self-directed work team representing all roadway CADD users of computer systems and programs. Each member provides technical input to the direction of CADD and related production tools in FDOT. Mr. Yi is also certified by the FDOT for preparation of Advanced Maintenance of Traffic Plans, and is very familiar with the Department's ERC system, Specifications preparation and Electronic Delivery.

Key Projects:

SW 8th Street Interchange Modifications at the Florida Turnpike.
Client: FDOT Turnpike (Cheryl Doherty, Project Manager (407) 532-3999)
Financial Project ID: 406098-1-52-0
Contract Value: $437,961.00
Design Start/Finish Date: May 2004 / November 2005
Project Engineer of Record for this project. Prepare Construction Documents (Plans and Specifications) for a new southbound HEFT exit ramp to westbound SW 8th Street in order to alleviate the mainline weave condition that results from the heavy movement between the southbound HEFT entry from westbound SR-836 traffic crossing the southbound HEFT existing to SW 8th street. The new ramp will be built from the southbound collector-distributor roadway that is now under construction on the HEFT between NW 12th Street and SR-836, and then loops around the new MDX westbound SR-836 ramp and then connects to the existing toll plaza just south of the Flagler Street which is also under construction (widened to two lanes). The proposed typical consists of a single 15 feet lane ramp facility with 6 feet shoulders, 2 feet paved on the left and 4 feet paved on the right.

SR-112 Toll Plaza Conversion, Miami-Dade County, Florida
Client: Miami-Dade Expressway Authority (Gil Portela, Project Manager (305) 637-3277)
Design Start/Finish Date: July 2005 / May 2006
Contract Value: $1.5 Million
Project consisted of three primary elements: roadway, toll plaza, and employee parking area. The roadway portion consisted of expanding the merging and diverging areas, correcting roadway cross slope, drainage, signing & pavement markings, maintenance of traffic and roadway lighting. The toll plaza portion consisted of the conversion of two dedicated SunPass lanes to express SunPass lanes, removal of an automatic coin machine lane, and the conversion of a automatic coin machine lane to a manual booth lane. The removal of the automatic coin machine lane provided the needed space for the proposed express SunPass shoulders. The existing high canopy was replaced with a gantry over the proposed express SunPass lanes. The existing employee parking was reconfigured as part of the project.

Experience Highlights

More than 10 years of design and management of all types of Rural and Urban Roadway experience

Registration:
2002, Florida Professional Engineer No. 58820

Education:
Bachelor of Science - Civil Engineering August 1997
Florida International University, Miami, Florida
Graduated Magna Cum Laude
National Dean's List 1996-97

Associates in Arts – Engineering
Miami-Dade Community College, Miami, Florida

Continuing Education
FDOT Advanced Maintenance of Traffic Certified

Experience:
Project Manager
A&P Consulting Transportation Engineers, Miami, Florida

Design Project Engineer
Florida Department of Transportation, Miami, Florida

Senior Engineer Trainee
Florida Department of Transportation, Miami, Florida

S.R. 112/I-195-N. Miami Ave. Exit Ramp (NW 2 AVE to N. Miami Ave.), Miami-Dade County, FL
Client: FDOT District 6 (Erki Suarez, Project Manager (305) 470-5127)
Financial Project ID: 408901-1-52-01
Contract Value: $1,352,680
Design Start/Finish Date: March 2001 / November 2002
Reconstruction and widening of the deceleration lane and exit ramp of S.R. 112 / I-195 from N.W. 2nd Avenue to North Miami Avenue. Severed as the Project Engineer in this FDOT District 6 Internal Design project. Scope of work included milling and resurfacing of North Miami Avenue and N.W. 37th Street, parking design (N.W. 37th Street), cross slope correction, drainage analysis, traffic analysis, guardrail and attenuator installation, bridge approach end treatment, bridge railing retrofit (Thrie Beam), bridge railing upgrade, traffic signal, and highway lighting design. Reviewed critical design elements: design speed, lane width, shoulder width, bridge width, structural capacity, vertical clearance, grades, cross slope, superelevation, horizontal alignment, vertical alignment, horizontal clearance, and stopping sight distance. Prepared a set of Contract Plans comprised of roadway, signing, pavement marking, signalization, maintenance of traffic, and highway lighting. Provided post design and engineering services during construction. Performed regular field inspections.

MIC-Earlington Heights Connector
Client: URS Corp.
Design Start/Finish Date: 03/2006 – 08/2007
Site Civil Engineer of Record for the Miami Intermodal Center – Earlinghton Heights Station. The Miami Intermodal Center – Earlinghton Heights projects runs from the existing Earlinghton Heights Station locate next to SR-112 and approximately east of NW 27th Avenue west to the new MIC Core Facility locate next to the Miami International Airport. The project included the site civil design. Maintenance of Traffic (including SR-112 & NW 41st Street), detour plans for the MIC-Earlinghton (crossing), Signing and Pavement Marking (including SR-112 and NW 41st Street), signalization design, temporary signal, and substation design. Our site civil department, as part of the design team, has been involved in monthly coordination meetings with Miami-Dade Transit Agency representatives, architects/engineers and system consultants.

SR-997 / Krome Avenue from US-1 to Avocado Drive / SW 296th Street, Miami-Dade County, Florida
Client: Florida Department of Transportation (David Mendez, Project Manager (305) 470-5207)
Design Start/Finish Date: July 2005 / Under Design.
Contract Value: $1.0 Million
This project is part of the improvements identified in the Department's Krome Avenue Action Plans approved by the Miami-Dade Metropolitan Planning Organization in March, 1999. This portion of Krome Avenue is a north-south two-lane roadway that extends approximately 3.78 miles from US-1 to Avocado Drive, running through the center of Florida City and the City of Homestead in southern Miami-Dade County. The corridor land use is primarily industrial in the Florida City section (S.W. 352nd St to S.W. 328th Street/Lucy Street) and commercial in the City of Homestead section (S.W. 328th Street/Lucy Street to S.W. 296th Street/Avocado Drive). Prepare Construction Documents (plans and specifications) for the 3.78 mile segment of this urban corridor, including signing & pavement markings, upgrading seven signalized intersections from span-wire to mast-arm, a new signalized intersection, 0.5 mi of lighting, implementation of four traffic safety studies, implementation of Access Management and compliance with ADA requirements, Landscaping & Irrigation within the City of Homestead Florida.

MIC Rental Car Center Miami, Florida
Client: Florida Department of Transportation (Gary Donn, Project Manager (305) 470-5145)
Design Start/Finish Date: March 2000 / May, 2003
Contract Value: $1,425,602.00
Design and development of the Site Civil Construction Plan for the proposed Rental Car Facility This 3.4 million square foot "rental car shopping mall" will provide customers arriving through MIA convenient access to participating rental car companies. It features the first multilevel fueling system designed in the U.S. At full build-out, it will have a total capacity of approximately 6,500 vehicles and include a Ready/Return garage, quick turnaround fuel and wash areas, and a customer service lobby. Initially, rental car buses that now circle the airport will be replaced by a common shuttle. Later, when the MIC-MIA Connector opens and connects the RCC to the airport terminals, MIA curbside traffic will be reduced by 30%.

ALLAN B. SEQUEIRA, P.E

Project Engineer

Mr. Sequeira has over seven years of experience working as a Transportation Engineer in conjunction with the Florida Department of Transportation and local agencies. Within the seven years, four were spent as a Professional Engineer Trainee at FDOT District VI, Served as a project engineer in District 4, Mr. Sequiera worked on the reconstruction of University Drive and I-95 rehabilitation, resurfacing and restoration (RRR) project in St. Lucy County, under the supervision of project manager Joe Borello. He was directly involved in the production of the roadway, drainage signing and pavement markings plans for both projects and two as a Project Engineer at FDOT District VI Internal Design Office. As a Senior Project Engineer, Mr. Sequeira has worked on a number of projects including RRR and Roadway Reconstruction projects. Within these projects, Mr. Sequeira has conducted flexible pavement design, and produced traffic control, drainage, cross sections, signalization, signing and marking. He has mastered the use of design software tools including MicroStation V8, Geopak, GuideSign, AutoTurns, and Arcview. He has continued his professional training by participating and achieving certifications in the following courses: Advanced Maintenance of Traffic, Signals Level 1, Geopak Road 1, and Concrete Pavement Design, Construction and Rehabilitation, and Flexible Pavement Design.

Key Projects:

SR-112 Toll Plaza Conversion, Miami-Dade County, Florida
Client: Miami-Dade Expressway Authority (Gil Portela, Project Manager (305) 637-3277)
Design Start/Finish Date: July 2005 / May 2006
Contract Value: $1.5 Million
Project consisted of three primary elements: roadway, toll plaza, and employee parking area. The roadway portion consisted of expanding the merging and diverging areas, correcting roadway cross slope, drainage, signing & pavement markings, maintenance of traffic and roadway lighting. The toll plaza portion consisted of the conversion of two dedicated SunPass lanes to express SunPass lanes, removal of a automatic coin machine lane, and the conversion of a automatic coin machine lane to a manual booth lane. The removal of the automatic coin machine lane provided the needed space for the proposed express SunPass shoulders. The existing high canopy was replaced with a gantry over the proposed express SunPass lanes. The existing employee parking was reconfigured as part of the project.

MIC-Earlington Heights Connector
Client: URS Corp.
Design Start/Finish Date: 03/2006 – 08/2007
Site Civil Engineer for the Miami Intermodal Center – Earlinghton Heights Station. The Miami Intermodal Center – Earlinghton Heights projects runs from the existing Earlinghton Heights Station locate next to SR-112 and approximately east of NW 27th Avenue west to the new MIC Core Facility locate next to the Miami International Airport. The project included the site civil design. Maintenance of traffic (including SR-112 & NW 41st Street), detour plans for the MIC-Earlinghton (crossing), Signing and Pavement Marking (including SR-112 and NW 41st Street), signalization design, temporary signal, and substation design. Our site civil department, as part of the design team, has been involved in monthly coordination meetings with Miami-Dade Transit Agency representatives, architects/engineers and system consultants.

Experience Highlights

More than 7 years of design of all types of Rural and Urban Roadway experience

Registration:
2004, Florida Professional Engineer No. 60737

Education:
Bachelor of Science - Civil Engineering December 1999
Florida International University, Miami, Florida

Associates in Arts – Engineering
Miami-Dade Community College, Miami, Florida

Continuing Education
FDOT Advanced Maintenance of Traffic Certified
Survey Workshop
FDOT 04 QC

Experience:
Project Engineer
A&P Consulting Transportation Engineers, Miami, Florida

Project Engineer
Florida Department of Transportation, Miami, Florida

Engineer Trainee
Florida Department of Transportation, Miami, Florida

ALLAN B. SEQUEIRA, P.E

Project Engineer

MIC Rental Car Center Miami, Florida
Client: Florida Department of Transportation (Gary Donn, Project Manager (305) 470-5145)
Design Start/Finish Date: March 2000 / May, 2003
Contract Value: $1,425,602.00
Design and development of the Site Civil Construction Plan for the proposed Rental Car Facility This 3.4 million square foot "rental car shopping mall" will provide customers arriving through MIA convenient access to participating rental car companies. It features the first multilevel fueling system designed in the U.S. At full build-out, it will have a total capacity of approximately 6,500 vehicles and include a Ready/Return garage, quick turnaround fuel and wash areas, and a customer service lobby. Initially, rental car buses that now circle the airport will be replaced by a common shuttle. Later, when the MIC-MIA Connector opens and connects the RCC to the airport terminals, MIA curbside traffic will be reduced by 30%.

S.W. 62nd Avenue (SW 24th Street to NW 7th Street) Miami-Dade County, FL
Client: Miami-Dade County Public Works Department
Financial Project ID: 20030188
Contract Value: $393,290.12
Design Start/Finish Date: May, 2006 / On-going
Designer of record for this project. Prepare a Contract Plans Set for the total reconstruction of a 2.0 mi segment of this urban corridor. Including upgrading one signalized intersections from span-wire to mast-arm, implementation of a traffic safety study, compliance with ADA requirements, drainage design, signing & pavement markings, maintenance of traffic and the design of a new street lighting system.

SR-997 / Krome Avenue from US-1 to Avocado Drive / SW 296th Street, Miami-Dade County, Florida
Client: Florida Department of Transportation (David Mendez, Project Manager (305) 470-5207)
Design Start/Finish Date: July 2005 / Under Design.
Contract Value: $1.0 Million
This project is part of the improvements identified in the Department's Krome Avenue Action Plans approved by the Miami-Dade Metropolitan Planning Organization in March, 1999. This portion of Krome Avenue is a north-south two-lane roadway that extends approximately 3.78 miles from US-1 to Avocado Drive, running through the center of Florida City and the City of Homestead in southern Miami-Dade County. The corridor land use is primarily industrial in the Florida City section (S.W. 352nd St to S.W. 328th Street/Lucy Street) and commercial in the City of Homestead section (S.W. 328th Street/Lucy Street to S.W. 296th Street/Avocado Drive). Prepare Construction Documents (plans and specifications) for the 3.78 mile segment of this urban corridor, including signing & pavement markings, upgrading seven signalized intersections from span-wire to mast-arm, a new signalized intersection, 0.5 mi of lighting, implementation of four traffic safety studies, implementation of Access Management and compliance with ADA requirements, Landscaping & Irrigation within the City of Homestead Florida.

Lummus Neighborhood – Streetscape Improvements
City of Miami Beach, Florida
Client: City of Miami Beach (Reynaldo Abreu, Project Manager)
Design Start/Finish Date: February 2007 / January 2008
Contract Value: $1.5 Million
Project consisted of improving the water main and drainage in the Lummus Neighbourhood, for 6th Street, 7th Street, 8th Street, 9th Street, 10th Street, 11th Street, 12th Street, 13th Street, 14th Street, 14th Lane and Espanola Way. The removal and replacement of existing curb & gutter and sidewalk between 11th St. and 16th St. was done. Storm water pipe upsizing and drainage was incorporated to the drainage improvements. Milling & Resurfacing, signing and pavement marking, street lighting and aesthetic enhancement (plating of Coconut Palms in sidewalk) were key improvement implicated in this project. All improvements fell under ADA and MOT compliance.

Nelson V. Perez, P.E.

Senior Project Manager

EDUCATION:
M.S. in Civil/Transportation Engineering, 1978; Bachelor of Science in Civil Engineering, 1976
Georgia Institute of Technology

PROFESSIONAL REGISTRATIONS:
Florida # 32025; Georgia; Alabama; Puerto Rico
Florida General Contractor License # 049696

PROFESSIONAL CERTIFICATIONS:
CTQP ID No: P436635542110
CTQP Quality Control Manager
CTQP Asphalt Level I

Years Experience: 29

PROFESSIONAL EXPERIENCE:
Nelson has over 29 years of experience in construction engineering and management of major transportation projects including rapid transit, urban and rural roadway improvements, complex bridge projects and movable bridges. He has considerable experience (over 21 years) as a Construction Resident Engineer having led CEI efforts in FDOT Districts IV, VI, and Florida's Turnpike and MDX. In addition to his construction experience, he has managed complex maintenance of traffic projects, and has held positions in quality control, traffic engineering, concrete pavement design and transportation planning. Mr. Perez recently joined APCTE as principal of the CEI Division.

8/2005 – Present: A&P Consulting Transportation Engineers: Principal for the CEI Division. As part of this tenure, he serves as Corporate Manager for over 12 on going CEI Projects in South Florida and is responsible for CEI Operations and Division Management and Marketing responsibilities.

4/1997 – 8/2005: Metric Engineering: Vice President and Area Manager of Construction Operations for South Florida. As part of this tenure, he served as Corporate Manager for the following CEI Projects: Palmetto Expressway/NW 25 Street Interchange for District VI; City of Homestead SW 344 Street from SW 172 Avenue to SW 137 Avenue; Florida's Turnpike HEFT Widening from SR-874 to SW 186 Street; District VI SW 8 Street/Calle Ocho Reconstruction from Palmetto Expressway to SW 27 Avenue; City of Homestead Pioneer Village Development; Village of Pinecrest Resurfacing Program; District IV US-1 Reconstruction in Boynton Beach; District IV Las Olas Blvd. Bascule Bridge Rehabilitation Project; DERM/DORM Canal Dredging and Drainage Projects; and oversight of project performance of Quality Control Management services for several South Florida Contractors.

Relevant Projects:
7/2007-Present: NW 25th Street Viaduct Project For District VI- Currently serving as Senior Project Engineer for this $115 Million project which calls for Reconstruction of NW 25 Street from NW 67th Avenue to SR 826/Palmetto Expressway including Construction of a Viaduct or elevated 2 lane bridge to provide access to the Miami West Cargo Area from SR 826 Palmetto Expressway. The Project involves difficult structural steel erection, 24" prestressed pile foundations, Bulkhead sheet pile wall construction and significant drainage improvements. FDOT reference: Mrs. Dari Vorce (305) 499-2392).

9/2004 to Present: MDX SR-836 Extension CEIO. Senior Project Engineer for the construction engineering and inspection oversight of the new four-lane extension of SR 836 from NW 107th Avenue to NW 137th Avenue including the construction of 137th Avenue from SW 8th Street to NW 12th Street (83605). This project, which is the largest design-build project to be awarded in the State of Florida, included the construction of nine new bridge structures, extensive drainage areas with landscape enhancements as well as the construction of the six-lane 137th Avenue and a new bridge at SW 8th Street. The project's design-build phase began in April 2004 and is scheduled for completion in early 2007. MDX Reference: Sergio Besu (305)-553-8094

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6/1998- 3/2003: Hallandale Beach Blvd. Bridge Replacement, Broward County for FDOT District IV. Project CEI Resident Engineer for this twin bascule bridge replacement project with a construction cost of over $60 million. The contract involved the twin two-span three-lane bascule bridge replacement with cast-in-place box girder approach spans and a cast-in-place box girder left turn flyover from NB SR-A1A to WB SR-858/Hallandale Beach Blvd. FDOT Reference: Melvin Finch, 954-958-7632.

1/1996-3/1997: Venetian Causeway Rehabilitation Project and the Bird Road Improvement Project for District VI; I-95 Milling & Resurfacing Project in Martin County and the Broward General CEI Services Project for District IV. Corporate Manager.

1/1994-12/1996: Collins Avenue Reconstruction, Miami-Dade County for FDOT District VI. CEI Resident Engineer. Project improved the level of service along a 2-mile section of SR-A1A (Collins Ave.) by providing reconstruction, resurfacing, drainage improvement, left-turn storage and access modifications. Two construction contracts were administered under one CEI agreement. Project 87060-3503 involved roadway reconstruction, milling, resurfacing and incidental work along a 1.5-mile section between 163 St. and 195 St. Project 87060-3504 covered roadway reconstruction, milling, resurfacing and incidental work for a 0.4 mile section from 158 St. to 1,000 feet south of 163 St. Projects involved complex management of utility relocation work involving 6 different utility contractors and extensive public involvement during construction. FDOT Reference: Ron Klein 305-499-2363.

4/1991 –6/1994: I-95 Expansion Projects, Miami-Dade County for FDOT District VI. CEI Resident Engineer for Projects 87270-3508/3475/3415 totaling approx. $27 million construction cost. Work comprised of widening and reconstruction of 1.6-miles of I-95, 2 ramps at the I-95/SR-836 Interchange and construction of 3 new ramps within the interchange. The majority of the roadway improvements on I-95 and the new ramps comprised of construction of new concrete pavement (9" thick). It also involved construction of over 20,000 LF of pre-stressed beams, 4,800 ft. of drilled shafts and 34,200 ft. of pre-stressed concrete piling. Work also involved extensive night operations and daily coordination of maintenance of traffic for 3 different contractors working on the I-95/SR-836 and I-95/SR-112 Interchanges. FDOT Reference: Ron Klein 305-499-2363.

1990 – 1991: Hillsboro Blvd. Bridge, Broward County for Florida's Turnpike. CEI Resident Engineer. Approx. total construction cost of $7 million. Project involved construction of a new 3 span AASHTO conventional concrete bridge over the Turnpike for Hillsboro Blvd., and widening a stretch of the Turnpike from Sample Road to Glades Road approx. 2 miles long. Project required complex MOT set ups to construct a bridge over the Turnpike while maintaining 4-lanes of traffic for most of the time. FDOT Reference: Bruce Seiler, PE 954-975-4855.

1986 – 1990: I-75 Alligator Alley, Broward County for FDOT District IV. CEI Resident Engineer for the construction administration and supervision of 3 CEI Projects 86075-3428/29/30 comprising 26 miles of new construction and reconstruction of a 4-lane Interstate Highway including 21 new bridges and 11 reconstructed bridges. Peak manning consisted of a construction CEI staff of 27 persons. Developed and reviewed FDOT construction policies, practices, and procedures, and documented and prepared change orders and supplemental agreements. Upon project completion, remained responsible for review and analysis of major construction claims related with the presence of montmorillonite in the embankment. Analyzed extra work issues, delay claims and prepared reports to seek FHWA participation. FDOT Reference: Mark Croft, PE 305-499-2365.

1980 – 1986: Rapid Transit, Miami-Dade County, Florida. Senior Construction Engineer for the construction of the Miami Metro Rail System. During this tenure Mr. Perez was involved in all aspects of Construction Engineering and Inspection for the north line of the Miami-Dade County Metro Rail System (approximately 10 miles long). He reviewed and processed contractor's submittals, performed Interpretative analysis of change conditions, reviewed and analyzed engineering and change proposals, evaluated existing conditions of contractor's defective work and recommended resolutions to implement in the field. Later, Mr. Perez had the responsibility of approving all concrete construction pertaining to the line section contract #N205/215/315 (a.6.9 mile long segment of the north line of Metro Rail). He performed engineering inspection of all columns and pier cap construction and was responsible for approval of all steel placements in the above-mentioned structures prior to concrete pour. Subsequently, Mr. Perez was assigned to the Miami-Dade County's Metro Rail system-wide quality assurance team. As part of this team, He was responsible for approval of all concrete remedial work for the north line sections of Metro Rail from Overtown station through the end of the north line. His duties also included the performance of post construction destructive and nondestructive tests to evaluate the condition of the Metro Rail guide way supporting structures (system-wide) and recommended resolutions based on the findings. Mr. Perez played a key role in the analysis of the construction claims

Manuel I. Alvarez, P.E.

Senior Project Engineer

Education: Bachelor of Science in Civil Engineering - ISPJAE, Havana University, Cuba,

Certifications:
Concrete Field Testing Tech. – Level 1 (ACI)
FDOT Concrete Spec. Course CTQP)
Concrete Transportation Const. Inspector (ACI)
Asphalt Paving Technician – Level 1 and 2 (CTQP)
Nuclear Gauge Safety Training (Troxler)
Earthwork Inspection – Level 1 and 2 (CTQP)
Pile Driving Inspection (CTQP)
Drilled Shaft Inspection
Specification of Post-Tensioned Structures (PTI)
Work Zone Traffic Control – Intermediate Level
Florida Advanced Work Zone Control
Final Estimate-Level 1 and 2
Florida Storm Water Erosion Certification

Registrations: Professional Engineer, State of Florida, PE # 61602

Years Experience: 17 (10 years in Cuba)

Field Office: MDX Project 83615, 7300 Corporate Center Dr., Ste. # 600, Miami, Fl 33126

Project Experience:

- **SR 874 WB on Ramp to SR-874 from Kendall Drive**
  03-07-Present
  Client/Contact Name/Phone
  MDX/Eduardo Rodriguez/305-261-4785
  Responsible for monthly and final estimates, work orders, laboratory test results, invoices, material certifications, final as built plan, and all necessary documentation to complete the project's final acceptance. This project consists of the construction of a new bridge from Kendall Dr to SR-874 (NB). The bridge will be constructed in 11 spans and will be 2200 ft. long and 51 ft wide. The construction includes steel girder beams supported on cast in place columns, footing and drill shaft foundation, MSE walls, Noise wall, drainage, and asphalt pavement.
  Estimate budget $32,132,000. Duration: 630 days.
  Role on Project: Project Engineer.

- **SR 836 WB Auxiliary Lane to SR 826**
  01/05 - 01-06
  Client / Contact Name / Phone
  MDX / Eduardo Rodriguez / 305-261-4785
  Responsible for monthly and final estimates, work orders, laboratory test results, invoices, material certifications, final as built plan, and all necessary documentation to complete the project's final acceptance. The project consisted of the construction of a new bridge over the CSXT/FEC railroad tracks and the Venetian and Airport Outlet canals. The bridge was constructed on 7 spans for a total length of 736 ft. Elements of construction included Type V AASHTO beams supported on pre-stressed concrete pile foundations, MSE walls, soil stabilization system, drainage, and asphalt pavement.
  Estimate budget $12,600,000. Duration: 500 days.
  Role on Project: Project Engineer.

- **SR 836 WB NW 57th Avenue Interchange Modifications**
  01/06 - 01/07
  Client / Contact Name / Phone
  MDX / Eduardo Rodriguez / 305-261-4785
  Responsible for monthly and final estimates, work orders, laboratory test results, invoices, material certifications, final as built plan, and all necessary documentation to complete the project's final acceptance. The project consisted in widening the bridge

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over NW 57 Ave by realigning both on and off ramps and milling and resurfacing the NW 57 Ave and SR-836 (WB). Elements of construction included Type V AASHTO beams supported on pre-stressed concrete pile foundations, drainage, and asphalt pavement.
Estimate budget $3,260,000. Duration: 335 days
Role on Project: Project Engineer

- **Okeechobee Road Reconstruction, Hialeah**
  07/02 – 07/04
  Client / Contact Name / Phone
  FDOT 6 / Gus Quesada / 786-251-8057
  Responsible for sampling, testing, and inspecting materials used on the project. This project consisted in widening the SR-27 with three lanes in each direction by constructing a concrete bulkhead on steel sheet piles along the Okeechobee Canal, a new Bridge at SE 4th Street and the rehabilitation of two historical bridges in Miami Springs, with the construction of a new pedestrian bridge over the Okeechobee Canal.
  Estimate budget $12,000,000. Duration: 450 days
  Role on Project: Senior Inspector

- **District Wide ADA Improvements, Dade/Monroe Counties**
  05/01- 06/02
  Client / Contact Name / Phone
  FDOT 6 / Rene Rodriguez / 305-377-5906
  Responsible for the collection of data related to compliance of existing roadways with current ADA guidelines.
  Role on Project: Senior Inspector

- **Robaina and Associates, Miami, Florida**
  08/00 – 04/01: *Field Survey Technician* - Interpreted and implemented survey field books in order to transfer field conditions to electronic files into Auto CADD and Micro Station design programs for various construction and engineering projects.

- **Cellucrete Corporation, Miami, Florida**
  09/99 – 07/00: *Field Technician* - Inspected cross slopes and surfaces of light-weight concrete as well as the concrete's density.

- **Previous Experience, Cuba**
  08/88 – 08/99: Supervised aspects of remodeling and construction projects regarding estimates, budgets, materials, equipment, and supply purchases. Has experience in the control and supervision of pre-cast elements (beams and slabs) in multi-story buildings. Supervised Survey Crews in layouts and as- built of earthwork, foundations, and water & sewer projects. Worked on the construction of a highway connecting Havana and Pinar del Rio cities, where he was responsible for the QC of asphalt, earthwork, drainage, and signing-paving marking. Worked as a technician on a pre-cast facility checking the production of pre-stressed elements (beams and concrete piles).

Omelio Rufin

General Contractor / Building Inspector

Education: Bachelors of Science in Civil Engineering
ISPJAE, Havana University, 1987-1992

Certifications: Certified General Contractor
State Roofing Contractor
TIN R15064066-000
ACI Concrete Field Testing Technician - Grade I (2005)
FDOT Earthwork Construction Inspection Level 1 (2004)
FDOT Asphalt Paving Technician Level 1 (2004)
FDOT Asphalt Paving Technician Level 2 (Registered for July 2006)
Nuclear Density Safety (2003)
Work Zone Traffic Control-Intermediate Level (Registered for June 2006)

Extended Studies:
Density Earth Laboratory (Havana, Cuba) (1995)
Design of Asphaltic Concrete Paving (Havana, Cuba) (1994)
Topographic Course (Havana, Cuba) (1993)

Years Experience: 16

Relevant Experience:

APCTE - A&P Consulting Transportation Engineers Corp.

- 11/04 – Present: *Building Inspector* – In charge of the Construction Department of APCTE. Responsible for sampling, testing, and inspecting of construction materials placed during the manufacturing process of the private residence. In charge of permitting of plans and documentation of all construction operations for residence/building as well as responsible of organizing and following up of proper county inspections.
  Contact Person: Mr. Antonio Acosta, P.E., 305.219.4718

  11/03 – 11/04: *Project Manager* – In charge of the construction at a new shopping center located at 11300 SW 184th Street. Responsible for coordinating operations between all subcontractors including shell contractor, plumbing, A/C contractor and electrical contractor.
  Contact Person: Mr. Antonio Acosta, P.E., 305.219.4718

- 07/03 – 11/03: *Inspector* – Miami Intermodal Center (MIC). Responsible for sampling, testing, and inspecting of construction materials placed in the project. Responsible for documentation of all roadway operations, drainage work, concrete construction, and asphalt placement.
  FDOT Contact Person: Mrs. Isa Nunez, P.E., MIC Project Manager, 305.499.2370

ECOA # 23, Santiago de Cuba, Cuba

- 01/92 –12/01: *Project Engineer* – Supervised and revised project's budget and schedule. Responsible for the management control of progress, plans for production of houses, buildings, high rises, road and bridges. Responsible for supervision of survey and earthwork crews. Responsible for the production, placement and inspection of asphaltic concrete at the plant and roadway.

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Email ~ orufin@apcte.com

Juan C. Velasquez
Senior Inspector

Education: Bachelor of Science in Civil Engineering
National University of Colombia

Certifications: TIN V422423582190
Work Zone Traffic Control – Intermediate Level
Concrete Field Testing Inspector, Level 1, ACI
FDOT Concrete Field Inspector Specs, CTQP 2005
Earthwork Construction Inspection Level 1, CTQP 2005
Asphalt Paving Inspector, Level I, CTQP 2005
Nuclear Gauge Safety Training, Troxler

Years Experience: 19

Relevant Experience:
Mr. Velasquez has over 19 years of construction engineering and inspection experience specifically in the field of roadway and bridge inspection.

A&P Consulting Transportation Engineer Corp., FL
2006-Present: *Project Administrator* – Washington Avenue Reconstruction Project in South Beach. Working on 7th Street and 8th Street improvements. Responsible for overseeing project administration on the Design Build project for the City of Miami Beach.

2005-2006: *Roadway Inspector* responsible for construction engineering and inspection of Biscayne Blvd. Project for FDOT District 6 including Inspector of Drainage Construction, Roadway Reconstruction including new concrete base and asphalt pavement.

2002 – 2005: *Inspector Technician* assigned to various Public Works Department Projects of Miami-Dade County. Responsible for the construction oversight and inspection services of the QNIP and PTP Programs. Also, responsible for review of all technical documentation and supervise roadways, bridges, and drainage work on several roadway projects.

De Moya Group, Inc., Miami, FL
2001 – 2002: ***Supervisor in Training***
Supervisor and Foreman Aide in Roadway and Bridge Construction Projects for the intersection reconstruction of N.W. 79th Avenue and Okeechobee Road. Also, responsible for review of all technical documentation and supervise roadways, bridges, and drainage work on several roadway projects.

J.V. General Contractor, Miami, FL
1999 - 2001:
Consulting and supervisor of several public works as well as water and sewer system projects for the School Board in the Cities of Guarne and Rionegro in Colombia. Coordinate with all projects to assure that the technical documentation was according to their expectations. Quality control supervision of medium. Low voltage panel boards projects and process in accordance with local and international regulations.

Guarne City, Antioquia, Colombia
1994 – 1999: ***Planning, Zoning and Development Office Director***
Coordinator of Public Works, compliance and enforcement of all the design and construction jobs with the current government codes. Responsible for the creation of the 2000-2010 Master Plan of the city. Also responsible for the approval of industrial plans and programs to prevent labor accidents. As well as part of the financial committee that decided the municipal budget.

Private Engineer Consulting
1987 – 1994: ***Senior Roadway Inspector.***

TETRA TECH

Daniel M. Nelson, P.E.

Vice President

Mr. Nelson serves as Regional Manager for the Fort Myers branch of Tetra Tech. His environmental experience includes engineering analyses and project technical assignments on a variety of water and wastewater projects; wastewater system hydraulic modeling; design of water and wastewater transmission and treatment facilities; design of effluent disposal and reuse systems; permitting of water and wastewater systems; construction management and administration services for water and wastewater facilities; and wastewater feasibility studies. Mr. Nelson's civil experience includes surveying, site development, stormwater collection/treatment and transportation engineering designs.

EXPERIENCE

Mr. Nelson has been involved in design, permitting, and management of several water distribution, wastewater collection, water and wastewater treatment, effluent disposal, and hydraulic modeling projects, including the following:

Utility Infrastructure

City of Sanibel, Florida - Preparation of a wastewater reuse feasibility study for an area of the City in order to determine if the City's reuse system can be expanded economically.

Greater Pine Island Water Association, Inc., Florida - Design, permitting, bidding and construction management for 11,500 l.f. of 16-inch potable water main.

Florida Cities Water Company - Assisted in design and permitting of approximately 14,800 l.f. of 16-inch and 24-inch potable water main, 7,900 l.f. of 6-inch force main, and refurbishment of several lift stations along McGregor Boulevard, Fort Myers.

City of Sanibel, Florida - Design, permitting, bidding, and construction management for 9,400 l.f. of 12-inch and 16-inch raw force main, and 12-inch effluent force main, along West Gulf and Middle Gulf Drives and Casa Ybel Road.

City of Sanibel, Florida - Design, bidding permitting, and construction management services for 4,600 l.f. of gravity collection system in a previously unsewered part of the City along Rabbit Road.

Collier County, Florida - Design, permitting, bidding services for relocation of aerial crossings for an 8-inch water main, a 24-inch wastewater force main and a 24-inch reclaimed water main associated with the widening of the Cocohatchee Canal.

DeSoto County, Florida - Preparation of Master Plan for providing water and wastewater to portions of DeSoto County. Additionally, performed preliminary engineering design for installation of approximately 16-miles of water main and a 0.500 conventional activated sludge wastewater treatment plant and a public access reuse system.

City of Cape Coral, Florida - Design, permitting and construction management for improvements to the City's canal system which used a supplemental supply for reclaimed water irrigation. Project included raising 5 weirs one-foot vertically, installing approximately 4,000 l.f. of 30-inch pipe to connect canal

Project Role:
Vice President

Education:
B.S., Florida State University, 1996

Registrations/Certifications:
Professional Engineer, Florida, No. 56152

Professional Affiliations:
Florida Water Environment Association/Water Environment Federation

Tau Beta Pi Engineering Honor Society

Chi Epsilon Civil Engineering Honor Society

Office:
Fort Myers, Florida

Years of Experience:
11

Years with Tetra Tech:
11

basins and installation of a transfer pump station.

DeSoto County, Florida - Design, permitting and construction management for improvements of water and wastewater system improvements, which consists of over 20 miles of potable water main, over 20 miles of wastewater force mains, 2 potable water storage tanks, wastewater pumping stations, and a 500,000-gallon wastewater treatment plant and public access spray irrigation field. The DeSoto County improvements have resulted in approximately $15M in grant funding with the USDA.

City of Fort Myers, Florida - Design, permitting and construction management for the installation of 3000 l.f. of a 16-inch potable water along Michigan Link to replace an existing undersized line. Drainage improvements along Michigan Link were also performed.

DeSoto County, Florida - Design, permitting and construction management for incorporation of 3.5 miles of 16-inch potable water main into the DeSoto County's transmission system. The pipeline allows for DeSoto County to provide service to the south part of the County along US 17 and allows the County to interconnect their existing treatment facilities.

Hendry County, Florida - Preliminary Engineering and cost estimating assistance for the construction of approximately 9.5 miles of 16-inch potable water transmission main, a 0.9 MGD water treatment facility, and over 50 miles of 4-inch through 12-inch distribution system piping.

City of Ft. Myers, Florida - System evaluation and design for approximately 2,000 linear feet of 16-inch wastewater force main as necessary transfer flows from the City's South WWTP to the Central WWTP. System evaluation included a review of system capacity and ability to transfer flows with proposed improvements.

City of Cape Coral, Florida - Design, permitting, bidding and construction management for approximately 4,500 linear feet of 20-inch wastewater force main relocation along Pelican Boulevard.

Water and Wastewater Treatment

Charlotte Correctional Institution, Florida Department of Corrections - Design, permitting, bidding and construction management of modifications to the Charlotte Correctional Institution's 0.180 MGD wastewater treatment facility, to provide reuse quality effluent for toilet flushing/laundry services. This project included the addition of an influent grinder and static screen, gravity filters, dual chlorine contact chambers, a reuse storage tank, a high service pumping station, and 8,000 l.f. of effluent force main.

Hardee Correctional Institution, Florida Department of Corrections - Review of alternatives for the expansion of the WWTP and effluent disposal system.

City of Sanibel, Florida - Design, permitting and construction management for upgrades to the 1.6 MGD Donax Water Reclamation Facility. This project included improvements to the aeration facilities, addition of a rotary drum sludge thickener, non-potable water system, and a pretreatment structure for screening and grit removal.

City of Sanibel, Florida - Preparation of application for Operating Permit and Operating Protocol for initial operating permit for the Wulfert Point Water Reclamation Facility.

Alfonso Architects, Florida - Preparation of Preliminary Costs Estimation for design, construction, and operation of a 14,000 GPD wastewater treatment facility for a commercial development.

Florida Department of Corrections - Design, bidding and construction management services for repainting and rehabilitation to Charlotte Correctional Institution's water treatment plant, wastewater treatment plant and elevated water storage tank.

Hendry Correctional Institution, Florida Department of Corrections - Design, bidding, permitting and construction management services for repainting and rehabilitating the Hendry Correctional Institution's 0.600 MGD water treatment plant, including refurbishment of existing filtration system and sludge holding pond.

TETRA TECH

Dennis P. Huber, P.E.

Project Director

Mr. Huber's major areas of expertise include water and wastewater facilities, environmental engineering, civil/site work, and corridor investigations/surveys. His experience includes project management and engineering for planning, analysis, cost estimating, design, bidding, and construction engineering services.

EXPERIENCE

Sanitary Engineering

Mariemont SSO Elimination Project, Metropolitan Sewer District of Greater Cincinnati, Cincinnati, Ohio — Project Director/Project Manager. Study of alternatives/design to eliminate four SSOs. Work included over 4,000 feet of tunnel 40–60 feet deep for a 21"–36" sewer.

Revised Design of the Wooster Pike Sewer Project, Metropolitan Sewer District of Greater Cincinnati, Cincinnati, Ohio — Project Director/Project Manager. Included microtunneling in sand/high groundwater conditions. Involved 7,000 feet of 54" and 30" sewer.

Lower Little Miami WWTP Expansion (Phase I) 3.6 MGD ($5.0 Million) and Phase II Expansion to 7.2 MGD ($9.0 Million), Warren County Water and Sewer Department, Lebanon, Ohio — Project Director.

Various Interceptor Sewers, Metropolitan Sewer District of Greater Cincinnati, Cincinnati, Ohio — Project Director/Project Manager. Wooster Pike Newtown, OH: 20,000 feet (12" – 54"); Forfeit Run Sewer: 7,000 feet (12" – 18"); and Eagle Creek Sewer: 7,000 feet (12" – 18").

Water Resources

Milliken Road/Morris Road Water Main Designs, Butler County Department of Environmental Services (BCDES), Hamilton, Ohio, 2006 — Project Manager for the design of approximately 7,000 feet of 24-inch water main on Milliken Road and approximately 1,700 feet of 16-inch water main on Morris Road. Work included field surveying, utility coordination, preliminary/final design plans, bid quantity/schedule, and engineer's estimate of probable construction cost. Following construction completion, Tetra Tech prepared as-built plans from contractor markups.

Adler Street Water Main Design, Greater Cincinnati Water Works, Cincinnati, Ohio, 2007 — Project Manager for design of approximately 750 feet of 36-inch water main along Adler Street to Waverly off Harrison Avenue. This project was an extension of the water main previously designed by Tetra Tech for Harrison Avenue. Work included topographic survey, utility coordination, preliminary and final design plans, and preparation of easement plats.

Butler County Water Main Update, Phase 1A, Greater Cincinnati Water Works, Hamilton County, Ohio, 2004 — Project Manager for the revising and updating of a project that was started in Year 2000. Existing field conditions were field-verified by a survey team and involved utility record verification of any recently completed work by those utilities. A 1,200-foot-long section of survey was required due to a potential water main alignment change crossing I-275 and field conditions plotted on the drawings. After completing all updates, a new construction estimate was prepared and Ohio House Bill 538 plans were

Education:

North Carolina State University Sanitary Engineering/Public Administration, 1975–1976

B.S.M.E., University of Kentucky, 1973

Registrations/Certifications:

Professional Engineer, Ohio, 1986, No. 50437

Professional Engineer, Kentucky, 1979, No. 11460

Professional Affiliations:

National Society of Professional Engineers

Kentucky Society of Professional Engineers

Past President and State Director, Northern Kentucky Chapter of KSPE

Board of Directors, American Council of Engineers Companies of Ohio

Water Environment Federation

Southwest Ohio Water Environment Association

Society of American Military Engineers

Board of Directors, Scholarship Committee Chairman, Society of American Military Engineers, Cincinnati Post

Office:

Cincinnati, Ohio

Years of Experience:

Since 1974

Years with Tetra Tech:

Since 1990

sent to utilities for final verification.

Harrison Avenue 36-Inch Water Main, Greater Cincinnati Water Works, Cincinnati, Ohio, 2004 — Project Manager for the design and full survey for 4,000 feet of 36-inch water main in a heavy traffic area. Ohio House Bill 538 compliance and project coordination with local utility companies were included. Alignment approval was necessary from the City of Cincinnati, Department of Public Works.

Hayes Road Water Main Design, Greater Cincinnati Water Works, Cincinnati, Ohio, 2007 — Project Manager for the design of approximately 3,000 feet of 12-inch ductile iron pipe (DIP) water main and appurtenances. Work included a topographic survey with roadway right-of-way and profile; preliminary alignment design; utility notification and records coordination; final design and profiles; meetings with the client to review plans; final plan revisions; preparation of the bill of materials; and final construction cost estimate.

Hunt Road Water Main Design, Greater Cincinnati Water Works, Cincinnati, Ohio, 2007 — Project Manager for the design of approximately 2,700 feet of 12-inch ductile iron pipe (DIP) water main to replace the existing main. Work included full topographic survey and right-of-way establishment; utility coordination; coordination with proposed turn lane addition; design plans; engineer's construction cost estimate; project management; and QA/QC.

Summit Road Water Main Design, Greater Cincinnati Water Works, Cincinnati, Ohio, 2007 — Project Manager for design of approximately 4,300 feet of 16-inch ductile iron pipe (DIP) water main to replace an existing water main. The line was installed along Summit Road from Section Road to Reading Road (US 42). Work included topographic survey along the street right-of-way; utility records review and coordination of Ohio House Bill 538 review; preliminary and final water main design; bill of materials and cost estimate; project management; and QA/QC.

Stonehouse, Oneonta, and Washington Trace Roads Water Main Extension and Replacement, Northern Kentucky Water District, Campbell County, Kentucky, 2007 — Project Manager for more than 22,000 feet of new 12-inch water main intended as a hydraulic improvement to strengthen the surrounding area and provide more reliable water service and fire protection.

Southwestern Ohio Water (Rumpke) Water Main, Cincinnati, Ohio, 2008 — Project Manager. Phase 1 of this design/build project consisted of full surveying services and design of approximately 3,450 feet of 36-inch prestressed concrete cylinder pipe (PCCP) raw water main and design of three heavy equipment/truck crossing slabs to accommodate the hauling of blasting excavation. Because this project was designed on private property, project coordination with the client and the property owner was essential. In Phase 2 of the project, Tetra Tech provided final design adjustments to the water main relocation, as well as construction surveying, construction administration, and inspection. Tetra Tech also prepared a new easement plat and legal description for the new water main location.

Sunset Drive Water Main Project, City of Hamilton, Hamilton, Ohio, 2006 — Project Director/Project Manager. Led design of 2,720 feet of 8-inch HDPE water line replacing an existing 6-inch line. The installation of the 8-inch HDPE water line was in a residential neighborhood and required reconnecting to existing services.

Boone County Rural Water Project, Boone County Fiscal Court, Boone County, Kentucky — Project Director/Project Manager. Phase I: 22 miles of water main design, and construction engineering/inspection services; evaluation report of alternative wastewater treatment plant sites and cost estimates; and planning report for a 57-mile water system expansion.

Third Street/Dalton Avenue Water Main Design, Greater Cincinnati Water Works, Cincinnati, Ohio — Project Manager. Design plans for approximately 7,200 feet of 48-inch PCCP water main routed through an urban area. The alignment was selected in a prior study completed by Tetra Tech. The scope included utility coordination and Ohio House Bill review requirements and coordination with utilities and the City Highway Department. A survey of the 7,200-foot corridor property research was included.

Beechmont Avenue Water Main, Greater Cincinnati Water Works, Cincinnati, Ohio — Project Manager. 9,000 feet of 12-inch water main.

Mr. Fox has participated in many aspects of environmental engineering including the planning, design, permitting and construction administration of both water and wastewater treatment facilities and collection systems. He has also gained valuable experience in the hydraulic system analysis of water distribution systems and construction management services.

EXPERIENCE

Norwood-Oeffler Water Treatment Plant Expansion, City of North Miami Beach, Florida - This project includes preliminary and final designs, permitting (FDOH, FDEP, SFWMD, MD DERM), bidding/award and construction administration for expansion of the City's existing lime softening WTP from 17.67 MGD to 32.0 utilizing membrane treatment technology. Biscayne Aquifer and Florida Aquifer source waters will be treated with Nanofiltration (NF) and low pressure reverse osmosis respectively. The expansion consists of i) expansion of the existing wellfield to include construction of 5 Biscayne Aquifer supply wells and 4 Floridan Aquifer supply wells, ii) raw water transmission mains. iii)9.0 MGD NF and 6.0 MGD low pressure RO membrane treatment systems. iv) pre-treatment facilities to include sand separators, microfiltration and chemical feed systems. v) post-treatment/stabilization facilities to include force draft degasification , disinfection and finished water blending. vi) finished water ground storage and high service pumping. vii) class I deep injection well for concentrate (treatment low-product) disposal.

Facilities Planning Document, Utilities Commission, City of New Smyrna Beach, Florida - This project consisted of plan development for the implementation of a wastewater program to increase the treatment levels and capacity, and to expand the reclaimed water reuse system. The existing wastewater collection and transmission system was evaluated, and alternative route and pumping configurations were developed and recommended to convey raw wastewater to the new wastewater treatment plant site. Additionally, alternatives and recommendations for the new wastewater treatment plant were included in the plan for preliminary treatment, flow equalization, biological nutrient removal, clarification, filtration, disinfection, effluent storage and residuals management. A number of sites were evaluated for the new wastewater treatment plant and a preliminary site investigation was included in the planning document. Capital and operating costs for the recommended plan improvements to the wastewater system were provided.

ChampionsGate Water and Wastewater Transmission Mains, City of Kissimmee, Florida - The project included route evaluation, final design, permitting and construction administration for approximately 23,700 linear feet of 24- and 30-inch water main, and 30,620 linear feet of 24-, 30-, and 36-inch wastewater force main. In addition, the project included four (4) 42-inch diameter jack and bores, 300 linear feet aerial water body crossing and existing utility coordination. Permitting of the project involved FDEP water and wastewater permits and negotiating a mitigation plan to compensate for wetland impacts required for construction.

Sandy Pines Reuse Transmission Main Project, City of Palm Bay, Florida - This project consisted of design, permitting and construction administration for approximately 1,500 linear feet of 12-inch reuse transmission main.

Project Role:
Vice President

Education:
B.S., University of Central Florida, 1990

Registrations/Certifications:
Professional Engineer, Florida, No. 49487

Professional Affiliations:
American Society of Civil Engineers

American Water Works Association

Water Environment Federation

Office:
Orlando, Florida

Years of Experience:
17

Years with Tetra Tech:
17

7.0 MGD Lime Softening Water Treatment Plant, City of Bartow, Florida - To meet the City's long term water needs, the project consisted of construction of a new raw water wellfield and lime softening water treatment plant. The project included preliminary and final designs, permitting (FDEP, FDOT, SWFWMD, ACOE, ERP), bidding/award, and construction administration. Design of the facilities included four (4) 16-inch raw water production wells, forced draft aeration, solids-contact clarifier (softener), chemical feed facilities (polymer, coagulant, chlorine, ammonia polyphosphate, carbon dioxide and lime), rapid-rate gravity filters, chlorine contact chamber, 2.0 MG ground storage tank, high service pumping and 5,200 square foot operations/administration building.

6.0 MGD Advanced Wastewater Treatment Plant, Utilities Commission, City of New Smyrna Beach, Florida - Development of the new wastewater treatment plant site consisted of site selection, ecological assessments and resolution of various site zoning issues. The wastewater treatment plant included permitting and design of a pretreatment structure, a 5-stage biological nutrient removal system, secondary clarifiers, continuous deep bed filters, high level disinfection. The sludge treatment facilities consisted of sludge holding, rotary drum thickening and lime stabilization. The reclaimed water system consisted of a 6.0 MG substandard storage tank, a 2-MG reclaimed water storage tank and high service pumping facilities. In addition to design activities, tasks included permitting (e.g., FDEP, ERP, FDOT, and ACOE), and construction administration.

South Lake Weir Water System, Marion County Utilities, Florida - This project involved grant funding, preliminary and final design, permitting, bidding/award and construction administration. Grant funding in the amount of $1,315,600 was obtained from the Florida Department of Environmental Protection and the Florida Legislature for both engineering and construction activities of the central water system. The water distribution system included approximately 35,500 linear feet of 6-, 8-, 10-, and 12-inch water main, roadway jack and bores, and water service connections. Design of the water treatment plant included two (2) 10-inch water production wells, 10,000 gallon hydropneumatic tank, gaseous chlorination system, electrical control building, standby generator, and miscellaneous site work. Permits for the project were obtained from the FDEP construction permits, St. Johns River Water Management District consumptive use permit, and County right-of-way use permit.

Center Road R.O. Water Treatment Plant, Venice Gardens Utility Corporation, Florida - This project involved design, permitting and construction administration of a 0.6 MGD reverse osmosis facility designed for ultimate capacity of 1.8 MGD. Responsibilities on this project included shop drawing review, payment review and construction management.

10-Year Water and Wastewater Master Plan, Deltona Utilities, Florida - This project involved development of a 10-Year Water and Wastewater Master Plan for implementation by the utility to meet future changes in regulatory requirements, and needs of the utility. Work on this project included computer hydraulic modeling of water distribution and wastewater collection systems.

Marco Island Raw Water Transmission Main, Southern States Utilities, Inc. , Florida - The project included route evaluation, final design, permitting and construction administration. In addition, the project included jack and bore crossings and existing utility coordination.

Wastewater Treatment Plant Class I Improvements, Venice Gardens Utility Corporation, Florida - This project involved development of a new WWTP site providing 3.0 MGD of capacity and providing Class I reliability for effluent disposal via unrestricted public access reclaimed water reuse. Primary responsibilities included site layout, pump station design.

Phase III - Reclaimed Water System, Utilities Commission, City of New Smyrna Beach – Florida This project consisted of approximately 10,500 linear feet of 6- and 12-inch reuse main and 8 jack and bore installations. The reuse main was constructed through a dense area of the City and consisted of FDEP, FDOT, Volusia County and Florida East Coast Railway permitting.

Ms. Springer has participated in many aspects of environmental engineering including planning, design, permitting and construction administration of both water and wastewater treatment facilities and transmission systems. She has also gained valuable experience in hydraulic modeling projects and construction management services.

EXPERIENCE

Orange County Utilities Engineering, Florida - Project Manager of University Boulevard Water Main Improvements projects including removal or abandonment of existing water mains and installation of approximately 7,200 lf of 12-inch PVC water main. Responsible for design, permitting, construction drawing and technical specification preparation and construction management.

Tohopekaliga Water Authority, Kissimmee, Florida - Project Manager of Westside Wastewater and Reuse System Project including 26,400 lf of 20- to 24-inch wastewater and reuse force main, 10,160 lf of 24- to 30-inch wastewater and reuse force main via directional drill. Responsible for design, permitting, construction drawing and technical specification preparation and construction management.

City of Lakeland, Florida - Project Manager on the Southern Route for the Northeast Water and Wastewater Transmission System Project including 8,700 lf of 30-inch HDPE water main installed via directional drill and 12,700 lf of 30-inch DIP water main. Responsible for design, permitting, construction drawing and technical specification preparation and construction management.

City of Lakeland, Florida - Project Engineer on the State Revolving Fund (SRF) Wastewater Facilities Plan which evaluates six (6) proposed wastewater projects.

City of Palm Bay, Florida - Project Engineer on the Deep Injection Well for the South Regional Water Treatment Plant. Sized equipment for pump station and prepared technical specifications and drawings.

City of Lakeland, Florida - Project Engineer on the design, permitting, technical specification preparation, and construction management for the Water Treatment Plant Bypass project including 4,400 lf of 30-inch potable water main and 1,800 lf of 36-inch raw water main and a jack and bore.

City of Palm Bay, Florida - Project Engineer on the design, permitting, technical specification preparation and construction management for the Harris Corporation/Intersil Reuse Transmission System including 2,000 lf of 12-inch reuse main and a directional drill.

City of Palm Bay, Florida - Prepared Alternative Water Supply Construction Cost-Sharing Program Application packages for reuse systems along Port Malabar Boulevard and Robert J. Conlan Boulevard.

City of Palm Bay, Florida - Project engineer on the South Regional Water Treatment Plant (WTP), which utilizes low pressure reverse osmosis for treatment. The initial phase of the plant will be designed for a capacity of 4.0 MGD with ultimate expansion to 10.0 MGD. Performed a site study and prepared a preliminary design report. Prepared the final design of the plant including construction drawings and technical specifications for the membranes

Project Role:
Project Manager

Education:
B.S., University of Central Florida, 1998

Registrations/Certifications:
Professional Engineer, Florida, No. 59512

Professional Affiliations:
Florida Water Environment Association/Water Environment Federation

Tau Beta Pi Engineering Honor Society

Chi Epsilon Civil Engineering Honor Society

Office:
Orlando, Florida

Years of Experience:
Nine

Years with Tetra Tech:
Seven

and chemical feed system and involved in both process design and mechanical design. Oversaw construction administration of all construction activities and assisted with plant start-up.

City of Lake City, Florida - Prepared a Potable Water Facilities Plan and a Capital Financing Plan for a Water Treatment Plant (WTP), which uses ozone as its primary disinfectant. The WTP and wellfield were designed for a capacity of 9 MGD and a future capacity of 18 MGD. Analysis involved comparing locations based on water quality analysis, cost and feasibility for the WTP and the wellfields.

City of North Miami Beach, Florida - Evaluated a wastewater force main system including a four (4) pump station manifold system and a booster station. Analysis involved hydraulic modeling of the system utilizing *Cybernet*. Calculated future flows and prepared a report detailing recommendations for upgrading the system.

City of Live Oak, Florida - Project Engineer on the design of the upgrades for a 1.5 MGD Wastewater Treatment Plant including construction drawing preparation. Prepared a Preliminary Design Report and Facilities Plan which evaluated alternative designs and treatment options based on cost and feasibility. The plant required the addition of an oxidation ditch and two secondary clarifiers as well as the conversion of one of the old secondary clarifiers to a chlorine contact chamber.

City of Lakeland, Florida - Project Engineer on the design, permitting, technical specification preparation, and construction management for the Northeast Water Transmission System including 10-miles of pipes ranging in diameter from 6-inch to 36-inch, with 24-inch and 36-inch throughout the major portion of the route. The project includes raw water mains, potable water mains and sanitary sewer force mains. Project entails multiple wetland crossings, multiple jack and bores with casings up to 54-inches under various state roadways.

City of Winter Haven, Florida - Prepared stormwater calculations and permit package for two Water Treatment Plants. Also assisted in site layout and yard piping.

City of Haines City, Florida - Evaluated the City's water, wastewater and reuse systems. Prepared a Master Plan that included analysis of the service area, existing facilities, regulatory issues, population growth, demand projections and recommendations for phased improvements. Evaluation included extensive hydraulic modeling of the water and wastewater systems utilizing *Cybernet*. Model calibration included field lift station draw down testing.

City of Sanford, Florida - Evaluated the City's existing reuse system and the effects of adding a new WRF. Converted an existing hydraulic model from *Kentucky Pipe* to *WaterCAD*. Utilized the model to size reuse lines from the WRF. Evaluated system demand and recommended system improvements. Sized a repumping station to assist in conveying reclaimed water to an expanded service area. Assisted in preparing presentation and information used in preparing a tri-party agreement allowing usage of the reclaimed water by the City of Lake Mary and Seminole County.

RELEVANT PROFESSIONAL WORKSHOPS

Water Distribution Modeling Seminar - *Cybernet & WaterCAD,* presented by Haestad Methods.

Leadership Conference presented by Water Environment Federation.

PROFESSIONAL ORGANIZATIONAL INVOLVEMENT

FWEA Leadership Development Committee Chair

FWEA Central Florida Chapter Steering Committee Member

TETRA TECH

David M. Neil

Construction Administrator (Contract Employee)

Mr. Neil is responsible for management of geotechnical and rock mechanics, with a focus on mining and heavy civil tunneling design and project management. Expert in site characterization and excavation methods and technologies. Developer of performance analysis programs for rock cutting capabilities of TBMs, microtunneling machines, continuous miners, trenchers, and roadheaders.

Tetra Tech, Inc. (2005–Present) — As principal consultant to Tetra Tech, Mr. Neil has ongoing responsibilities for tunnel, microtunnel, directional drilling, and pipeline constructability review and construction administration. As a Tetra Tech consultant, Mr. Neil oversees a group of seven projects with five separate contractors for Sanitation District No. 1 in Campbell County, Kentucky, with an aggregate value of approximately $30 million. Work includes construction of approximately 30,000 feet of gravity sewer 8–42 inches in diameter and depths to 35 feet, and approximately 14,000 feet of force main, including three pump stations rated up to 4 MGD. Over 800 feet of HDD to 24-inch-diameter and seven pipe jack state highway crossings were included in the projects.

Also as a Tetra Tech consultant, Mr. Neil oversaw the $35 million Standley Lake Dam Improvement (Shaft and Tunnels) in Westminster, Colorado. Work included construction of two intake tunnels, a valve shaft, and an outlet tunnel and was completed with full reservoir conditions. Mr. Neil oversaw the staged construction to bring three tunnels into the same shaft and ensure water-tightness of all components.

Principal, Neil and Associates, Inc. (May 1984–Present); Company Founder, May 1984 — Provide diverse professional consulting services to mining and tunneling contractors and operators worldwide. Extensive project management experience and Grants Program management experience involving multiple disciplines. Expert in mechanical excavation performance prediction for all types of mining and tunneling machines. Prepared engineering estimates and bids and managed diverse tunnel projects to completion.

EXPERIENCE

Foxfire Constructors (2002); Project Consultant: Olivenhain Dam; General Contractor: Kiewit Pacific; Subcontractor: Foxfire Constructors; Project Construction Manager: Washington Group — Foxfire sunk a 33' diameter shaft and developed 700' of 14'6" tunnel in hard rock with drill & blast methods used for the outfall tunnel at the Olivenhain Dam being built by Kiewit using RCC methods near Escondito, California. Project included the installation of the final tunnel lining to 12'6" diameter using a 40 ft. slipform. Formed and poured complex valve frameworks in shaft. Position involved acting in role of Assistant Project Manager. Worked with Project Manager to prepare submittals, process change orders, participate in meetings with project owners and general contractor and construction managers, and prepare progress payment requests. Daily interaction with CM inspection staff and supervised crews as required.

Foxfire Constructors; Project Consultant: Black Mountain Tunnel for San Diego Water Authority; General Contractor: Archer Western Constructors, A Division of Walsh Construction; Construction Manager: URS — This was a design build complex shallow roadheader tunnel under

Project Role:
Construction Administrator

Education:
B.S., Geology, University of Nevada-Reno, Mackay School of Mines, 1976

Registrations/Certifications:
Certified Safety Representative, CALOSHA, 2004

Professional Affiliations:
Advisory Board Mackay School of Mines Engineering Department, 1988–2004

Research Professor Earth Mechanics Institute, Colorado School of Mines, 1985–1996

Instructor and participant in numerous Colorado School of Mines mechanical excavation and micro tunneling short courses over a 10-year period

Published over 100 professional papers and articles

Member, AIME/SME

Member, Colorado Mining Association

Member, California Mining Association

Member, RMCMI

Member, Advisory Board Mackay School of Mines

Member, ASCE

Office:
Cincinnati, Ohio

Years of Experience:
Since 1963

Years with Tetra Tech:
Since 2005

environmentally sensitive wetlands using shotcrete liner and steel sets. Drop raised two shafts and installed multiple pipes with several curves. Prepared geologic maps and analysis of conditions. Trained crews in excavation methods. Assisted Project Manager and staff with interaction with design engineers, C.M. and General Contractor. Provided technical assistance for change order requests and disputes resolution.

Mine Development & Engineering Company (2003); Project Manager: Kern River 1 Project; Owner: Southern California Edison — Project Manager for temporary repairs and complete inspection of a 9 mile long, 100 year old, hard rock hydro-electric tunnel 1000' above the Kern River in the Sierra Nevada mountains for Southern Cal Edison. Supervised completion of temporary repairs in areas of tunnel lining collapse and rock falls. Preformed inspections of the entire tunnel complex with owner and provided geotechnical rock mass evaluations used to developed repair design requirements for permanent repairs. Supervised crews, prepared submittals and geotechnical report, and developed initial design requirements during spring 2003 shutdown period. Completed a visual inspection and prepared permanent repair recommendations for a number of other SCE hydro tunnels throughout the Sierra Nevada range during their shutdown periods.

Mine Development & Engineering Company (MDEC); Project Manager: Standley Lake Outfall; General Contractor, ASI/Monks J. V.; Construction Manager: CH2M Hill and Tetra Tech — MDEC was the subcontractor for installation of 1,100 feet of 104-inch steel tunnel liner in the 12'6" diameter Standley Lake outfall tunnel near Westminster, Colorado. Pipe was in 40 foot joints and grouted in place with cellular concrete and contact grouted. Installed contact grout in 33-foot-diameter valve shaft where Michaels was boring two microtunnels for the lake taps. Supervised crews, prepared submittals and change order requests, worked with inspectors and C.M. to ensure compliance with design and installation requirements. Prepared progress payment requests and participated in weekly progress meetings.

Foxfire Constructors; Project Consultant: Mirimar 4 Tunnel, City of San Diego; General Contractor: Archer Western — Roadheader tunnel 1,100' long by 12'6" diameter in conglomerate with shotcrete initial ground control and 20' joints of steel pipe cellular grouted in place. Provided geotechnical evaluations of ground conditions as needed and acted as temporary Project Manager when required during project. Supervised crews, prepared reports and drawings, and interacted with inspectors as required.

Mine Development & Engineering Company (2004); Project Manager: KR1 Project; Project Owner: Southern California Edison — Project Manager for the Phase 1 rehabilitation of several sections of the KR1 hydro-electric tunnel complex for Southern California Edison. Project involved installation of temporary ground support in areas of tunnel collapse and tunnel lining and floor repair and replacement in one 5 mile section with single access point in center. Installed 750 ft of temporary steel liner in T-19 section where collapse was occurring. Prepared all submittals, change orders, and progress payment requests. Supervised crews and preformed inspections with owner representatives and technical staff to develop permanent repair design requirements.

Senior Technical Consultant, Tunneling Technology and Methods (2000 – 2002); Fermi Labs, Batavia, Illinois — Super Conducting Super Collider (SSC) project tunneling methods project team. Member of three man industry team providing expert advice on the development of innovative methods and technology for excavation of over 200 miles of tunnels and chambers. Evaluated project site conditions in support of Fermi Labs experimental programs at locations in Ohio, Illinois, Wisconsin, and California.

President & CEO, NSA Engineering, Inc., Golden, Colorado (1996 – July 2002) — Company founder. Managed all activities of a diverse professional consulting group in the fields of geotechnical engineering, geophysical software development and applications, and rock mechanics for the international mining industry. The group also provided professional geotechnical and geophysical consulting services to international civil tunneling engineering design firms and contractors, and highway and bridge geotechnical design groups and project owners. Managed development of new 3-D tomographic imaging and reflection tomography software for tunneling and site investigations. Program Manager for $2M federal ATP grant to develop high level geophysical technologies.

Jose Muñoz, P.E.
Project Manager

Overview

Mr. Muñoz is experienced in the planning, design, and construction management of water, wastewater, and infrastructure systems. His expertise also extends to highway projects in the areas of traffic studies, traffic operations design, and PD&E studies. His ten years of experience include extensive design and management experience with pipelines, underground utilities, transportation, and site development projects.

Work History

BCC Engineering, Inc.
2005 – Present
Gannett Fleming, Inc.
2001 – 2005
Metric Engineering, Inc.
1994 –2001

Education

BSCE, 1997
Florida International University

Registration

Professional Engineer
Florida # 58714

Project Experience

City of Miami Undersized Water Main Replacement, Miami-Dade County, FL – Project Manager for the design of replacement D.I.P. 8" water mains currently served by undersized mains that have been in existence for the last fifty years. The MDWASD has proposed the installation of approximately 5,600 linear feet of 8" water mains. The project also includes the installation of fire hydrants, consistent with County requirements and standards, and water service lines to provide service to all abutting properties. These system upgrades will improve the water pressure and fire protection capabilities in the residential area.

Miscellaneous Civil Engineering Services, Miami-Dade County, FL – Project Manager responsible for the coordination, design, permitting, and preparation of construction documents for multiple projects for Miami-Dade County Parks and Recreation Department. Assignments included improvements to waste water collection systems at Tropical Estates Park, Devonaire Park, Sgt. Joseph Delancey Park, Continental Park, and Ron Ehman Park. Improvements included the design of gravity sewers, force mains, and pump stations.

SR976 (Bird Road/SW 40th Street) from SW 85th Ave. to SW 72nd Ave., Miami-Dade County, FL – Provided construction phase services for the construction of 16" ductile iron water main. Responsible for the development of As-Built plans.

SR932 (NW/NE 103rd St.) from I-95 (SB Exit) to NE 6th Ave., Miami-Dade County, FL – Provided construction phase services for the construction of 16" ductile iron water main. Responsible for the development of As-Built plans.

Brickell Village Condominiums, Miami–Dade County, FL – Project Engineer responsible for the preparation of the construction plans for sewer connections and a water main extension for a condominium development. The project included an 800' extension of a 12" water main along SW 12th Street.

American Freightways 80-Door Customer Facility, Medley, FL – Prepared complete civil/site plans for a proposed mail/package distribution center located in Medley. Project included design of concrete pavement as well as water and sewer service lines.

Pioneer Village Development, Homestead, FL – Complete civil design and construction phase services for the City of Homestead's Community Redevelopment Agency (CRA). The Pioneer Village Development is located just west of the City's Historic Downtown District and consists of sixty-six new homes. Services included design and permitting for Paving and Grading, Roadway Drainage, and Water and Sewer Improvements. Construction Phase Services included assistance during bidding, provision of full time inspection, shop drawing review, and product approval.

Reconstruction of SW 8th Street from SR826 to SW 27th Avenue, Miami-Dade County, FL, Project Administrator for the reconstruction of three construction contracts along SW 8th Street – Project traversed through a heavily traveled and fully developed commercial corridor. Work included water

main construction in several locations and installation of new meter service. An intensive public involvement effort was employed to keep the business owners aware of upcoming construction issues including any temporary disruptions to their utility services.

Oak Ridge Development, Miami-Dade County, FL – Project Engineer responsible for the development of a complete set of civil / site plans for a new residential development of ninety estate homes. Utility improvements included gravity sewers, lift station, water mains, and fire protection.

Hallandale Boulevard Bridge Replacement, Broward County, FL – Construction Inspection services for the construction of a new bascule bridge over the intracoastal waterway. Project also featured the installation of a 16" water main along SRA1A in Broward County.

US-1 Improvements from Key Largo to Card Sound Road Monroe / Miami-Dade County, FL – Project Manager responsible for the preliminary design, including 30% plans, for the widening and reconstruction of US-1 (total project length eighteen miles). The existing project conditions included a 36" water main which is owned by the Florida Keys Aqueduct Authority and which is an important source of water for the Keys. Relocation of the 36" water main was required in the vicinity of Jewfish Creek and the C-111 Canal.

NW 74th Interchange at the Homestead Extension of Florida's Turnpike (HEFT), Miami, FL. Project Manager for the final design of a new trumpet interchange. This project included the widening of the HEFT, new flyover ramps to/from NW 74th Street, five new bridges, two new toll gantries and the addition of noisewalls. Primary responsibilities included managing and overseeing the highway design, drainage, permitting, lighting, signalization, signing and pavement markings, utility coordination, and structural design.

SR836 Extension From NW 107th Avenue to NW 137th Avenue, Miami-Dade County, FL – Project Engineer for the $140 million SR836 Extension design/build project, which consists of a new six-lane facility extending westward from the Homestead Extension of the Florida Turnpike (HEFT) to NW 137th Avenue and improvements to the existing SR836 main line and ramps to the east of the SR836/NW 107th Avenue interchange. The project includes the construction of new and reconstructed roadways, ten new bridges, retaining walls, and noise abatement walls. Responsible for signing and marking plans, as well as maintenance of traffic plans.

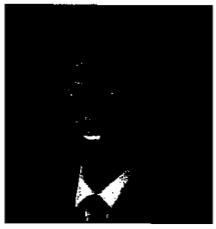
SR50 Improvements, Lake and Orange Counties, FL – Project Manager responsible for providing signalization plans and traffic analysis services for the reconstruction of a major six-lane suburban arterial. The project includes seven signalized intersections and coordination with two local signal maintenance agencies.

Aguas Buenas Bypass, Aguas Buenas, Puerto Rico – Project Manager for the alignment selection study and the development of the design for this 4.5-kilometer, divided, four-lane, controlled-access highway to be constructed in phases through a mountainous region. Project features include two crossings of the Bairoa River, four signalized intersections, frontage roads to maintain property access, and 1.5 million cubic meters of balanced earthwork. The design of the project involves coordination with the municipality of Aguas Buenas.

SR820 (Pines Boulevard) at SR823 (Flamingo Road) PD&E Study, Pembroke Pines, FL., Assistant Project Manager for a PD&E analysis of intersection improvements – The project includes analyzing alternate corridors and investigating special at-grade treatments and/or additional lanes on S.R. 820 and/or SR823. The project includes an extensive public involvement program with residents and surrounding businesses.

SR820 (Hollywood Boulevard/Pines Boulevard) Interchange Improvements PD&E Study, Hollywood, FL – Project Engineer for a PD&E study concerning upgrading a rural trumpet-type interchange to provide access to Florida's Turnpike for urban needs.

Daniel Raymat, P.E.
Structural Engineer



Overview

Mr. Raymat has seven years of experience as a Structural Engineer. During which time, he has specialized in final design and plans production for FDOT bridge projects. He has been involved in preliminary designs during PD&E study, preparation of Bridge Development Reports, final design and preparation of specifications, bidding, and construction phase services. His bridge design experience encompasses both minor and major bridge structures including short span flat slab bridges, AASHTO girder and Florida U-Beam bridges, and continuous steel plate I-girder and steel plate box girder bridges. His design experience also includes design of retaining walls, sign structures, signal structures, box culverts and thrust blocks.

Work History

BCC Engineering, Inc.
2004 – Present
Metric Engineering, Inc.
2000 –2004

Education

BSCE. 2000
Florida International University

Registration

Professional Engineer
Florida # 63111

Project Experience

NW 25th Street from SW 16th Street to SW 2nd Street, Miami-Dade County, FL (MDWASD): Engineer of Record for the thrust block design of several bends on a 16" and 36" diameter water main. The thrust block for the 16" diameter water main was designed for a 90 degree vertical bend. The thrust block designs for the 36" diameter water main consisted of a 90 degree bend, 90 degree and 45 degree horizontal bends, and a 36" horizontal tee connection.

NW 87th Avenue from NW 58th Street to NW 74th Street, Miami-Dade County, FL (MDWASD): Engineer of Record for the thrust block design of a 24" diameter water main. Thrust block design consisted of 11.25 degree vertical bends and 45 degree horizontal bends.

SR826 (Palmetto Expressway) Improvement Program / Section 4, Miami-Dade County, FL (MDWASD): Engineer of Record for the thrust block design of the relocation of a 30" diameter water main along Tamiami Trail subaqueous canal crossing. The thrust block was designed for a 22.5 degree vertical bends.

SR826 (Palmetto Expressway) at NW 36th Street Interchange, Miami-Dade County, FL (MDWASD): Engineer of Record for the thrust block design of the installation of 16" diameter water main. The thrust block was designed for a 45 degree vertical bend behind a steel sheet pile bulkhead wall.

Southwest Opa-Locka Airport from NW 139th Street and NW 57th Avenue to NW 42nd Avenue, Miami-Dade County, FL (MDWASD): Design Engineer for the thrust block design of a 54" diameter subaqueous sewer force main and a horizontal tee connection of a 42" diameter force main. Thrust block designs for the 54" diameter pipe included 45 degree and 90 degree horizontal bends. The thrust block for the 42" diameter force main consisted of a horizontal tee connection to an existing pipe. Steel sheet piling was also provided at the location of the horizontal tee connection due to its close proximity to the canal slopes.

I-4/Lee Roy Selmon Expressway Expressway Interchange (FDOT District 7): Final design for improvements along the Lee Roy Selmon Expressway. Responsibilities include the widening and redecking of a 13 span westbound bridge and the redecking of a 10 span eastbound bridge over 22nd Street and the CSXRR. The bridges consist of steel plate girders and several different types of AASHTO beams. The span lengths of both bridges vary from approx. 42' to 155'. The bridges also have varying skew angles and beam lengths. The existing bridge deck consisting of precast panels is being replaced with a cast in place concrete slab. Responsibilities also include

the replacement of the eastbound and westbound bridges over 26th Street. The existing three span bridges are being replaced with single span structures utilizing AASHTO type beams.

SR112 WB Off-Ramp to Okeechobee Road – Design Build, Miami-Dade County, FL (Miami-Dade Expressway Authority): Improvements to a limited access facility (SR 112) in the vicinity of Miami International Airport. Project provided for widening SR 112 to provide an auxiliary lane along the SR 112 Mainline and a barrier separated exit ramp to Okeechobee Road. Roadway and bridge improvements called for variable widenings to both sides in order to keep the improvements within the existing right-of-way. Mr. Raymat served as the Design Engineer for the widening of a 3-span AASHTO girder bridge on a horizontal curve (46'-9¾", 66'-6¾", and 42'-0"), two (2) retaining walls consisting of 993 ft^2 of MSE wall and 1080 ft^2 of permanent steel sheet pile wall, two (2) cantilever sign structures on drilled shafts, and two (2) span sign structures.

SR826 (Palmetto Expressway) Improvement Program / Section 10, Miami-Dade County, FL (FDOT District 6): Final design for improvements to a major urban interchange. Project included four (4) bridge structures; widening of an AASHTO girder bridge, replacement of the mainline SR826 bridge over S. River Drive/Miami Canal/ Okeechobee Road with a new three (3) span continuous steel plate girder structure (41.450m, 52.550m, and 49.650m), and two (2) cast-in-place slab bridges over the Miami Canal. Final design of 8400m^2 of MSE walls, 20,000m^2 of temporary and permanent steel sheet pile walls, and 186m of pile and panel wall along the Miami Canal. Sheet pile wall heights exceeded 10m in height and both anchored and cantilevered wall designs were incorporated.

SR836 Extension – Design Build, Miami-Dade County, FL (Miami-Dade Expressway Authority): Engineer of Record for a Florida U-Beam bridge with a simply supported span of 98'-0". Although the roadway is on a curved alignment (e = 0.078 ft/ft), a wider rectangular bridge is being designed to allow for the use of the Florida U-Beams and reduce construction costs while meeting MDX aesthetic requirements. Bridge will be supported on spread footings at end bents, and approximately 6000 ft^2 of wrap around MSE wall will be provided at the bridge approaches.

SR826 (Palmetto Expressway) Improvement Program / Section 2, Miami-Dade County, FL (FDOT District 6): Final design for improvements of SR826 mainline from SW 56th St. (Miller Drive) to SW 40th St. (Bird Road) to including the SR826 and SR874 interchange. Project includes nine (9) bridges consisting of four (4) steel plate I-girder bridges and five (5) steel box girder bridges ranging from one (1) span to nine (9) spans with span lengths varying from 113' to 264'. Responsibilities included the design of all structural steel details including cross frames, diaphragms and stiffeners for all the bridges, analysis of a steel box girder superstructure using BSDI software of a nine (9) span bridge (Bridge No.3) divided into two (2) units consisting of four (4) continuous spans and five (5) continuous spans, and the analysis of the steel box girder for the Pedestrian bridge over SR826 (Bridge No.9). Responsibilities also included the design of thirty-two (32) sign structures consisting of span, cantilever, butterfly and bridge mounted sign structures, load rating of all bridges, and design of sound barrier walls.

NE 2nd Avenue Over Little River Canal, Miami-Dade County, FL. (MDPWD): Engineer of Record for a bridge replacement over the Little River Canal with a continuous three (3) span flat slab bridge. Overall bridge length is 84'-0" with three equal spans of 28'-0". Aesthetic treatment for the traffic barriers was a critical aspect of the design of the bridge and close coordination with the public was required.

NW 87th Avenue Over Miami Canal, Miami-Dade County, FL (District 6): Engineer of Record for a continuous three (3) span flat slab bridge over the Miami Canal. Overall bridge length is 145'-0" with spans of 44'-7½", 55'-9" and 44'-7½". The bridge is 130'-6" wide with a skew of 49°12'15" measured from the baseline.

engineering

Ivonne Planas, E.I.
Civil Engineer

Overview

Ms. Planas has ten years of experience with drainage, irrigation systems, pump station, water distribution and sewer collection system designs. She has excellent planning and coordination skills and works well in a team environment.

Work History

BCC Engineering, Inc.
2006 – Present
Ford Engineers, Inc.
2003 – 2006

Education

BSCE, 1996
University of Havana
Havana, Cuba

Registration

Engineer Intern
Florida # 1100010608

Project Experience

I-595 Corridor Design Consultant from I-75/Sawgrass Expressway Interchange west of 136th Avenue to I-95, Broward County, FL – Drainage Engineer for drainage services to include hydrology and hydraulic calculations; water quality and water quantity permitting calculations; and pre-development and post-development drainage modeling; as well as environmental permitting services for eleven miles of I-595 including eight major interchanges.

Silver Palms Caribe, Miami-Dade County, FL – Designer - Developed site civil plans for a 38.8 Acre site which included: 11,600 LF of 8" ductile iron pipe water main, 9,000 LF of 8" PVC sanitary sewer, 4,000 LF of 12" ductile iron pipe force main and a donation pump station.

Renaissance No. 5, (Pods A, B, C, D, H, L, K, M, O L and N) Miami-Dade County, FL – Designer - Responsibilities included the development of the site civil plans for a 166 Acre site which included: 28,600 LF of 8"/12" ductile iron pipe water main and 25,300 LF of 8" PVC sanitary sewer.

Mansions at Sion, Miami-Dade County, FL – Designer - Developed site civil plans for a 10 Acre site which included: 37,000 LF of 8" ductile iron pipe water main, 2,400 LF of 8" ductile iron pipe sanitary sewer, 1,400 LF of 12" ductile iron pipe force main and a donation pump station.

Cambell Estates, Miami-Dade County, FL – Designer - Developed paving, grading, water, sewer, signing, pavement markings and pump station plans.

Wolf Estates, Miami-Dade County, FL – Designer - Developed paving, grading, signing and pavement markings plans.

Naranja Lakes, Miami-Dade County, FL – Designer - Developed paving, grading, water, sewer, signing, pavement markings and pump station plans.

Lake by the Bay Park Site, Miami-Dade County, FL – Designer - Developed paving, grading, water, sewer, signing, pavement markings plans.

London Square, Miami-Dade County, FL – Commercial development of approximately 90 acres. Drainage Engineer - Developed paving, grading, and drainage plans and performed preliminary design calculations. Additionally, assisted the project engineers with the design of the water and sewer distribution systems. Duties also included coordination with architects, owner and clients in securing all required permits and approvals from local agencies. Development included 7,400 LF of 12" DIP water main, 4,000 LF of 8" PVC sanitary sewer and 850 LF of 8" DIP sanitary sewer.

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GARDNER
DESIGN

LAND PLANNING
LANDSCAPE ARCHITECTURE
LC-0000266

MEMBER
AMERICAN SOCIETY OF
LANDSCAPE ARCHITECTS

WILLIAM P. ROSENBERG, ASLA

EDUCATION

1964 - 1966 M.L.A., Regional Planning & Landscape Architecture
University of Pennsylvania

1958 - 1962 B.L.A., Landscape Architecture
University of Georgia

PROFESSIONAL EXPERIENCE

1985 – present President of Rosenberg Gardner Design. Full service Landscape Architectural, Land Planning, and Environmental Planning firm serving clients throughout South Florida, the Caribbean and South America, including major developers, FDOT, Counties, Cities and other public agencies.

1972 – 1985 President of Henderson, Rosenberg, Scully & Associates, Land Planning & Landscape Architecture firm specializing in the same services as mentioned above.

1966 – 1972 Landscape Architect & Chief of Planning Dade County Parks & Recreation Department. Was responsible for preparing the Open Space Master Plan for Dade County, Park Master Planning, representing Parks Department at public meetings.

RELATED EXPERIENCE

st speaker at seminars, conferences of national organizations such as National Association of Home Builders, CAI, nerican Resort & Residential Development Association. Adjunct Professor of Landscape Architecture at Florida International University, Universi of Miami and Miami Dade Community College. Articles written for several professional association journals, magazines, and newspapers.

AWARDS

American Society of Landscape Architects, Florida Chapter - Merit Awards for Design on various Projects
Builders Association of South Florida - FAME Award
SE Builders Conference - Grand Aurora Award
Professional Builder Association - Livable Housing Award
Florida Nursery Growers Association - Merit Award
Florida Atlantic Builders Association - Gold Pinnacle Award

MEMBERSHIPS

American Society of Landscape Architects
Member of Dade County Biscayne Bay Shoreline Review Board
Former Vice Chairman of Miami Beach Design Review Board
Member of various Dade County committees and advisory boards
Agricultural Land Use Committee, Task Force for General Land Use
Master Plan, and Zoning Committee for Dade County to review,
amend and update various ordinances.
South Florida Builders Association past Chairman of Dade Legislative Committee.
Metropolitan Dade County Transportation Aesthetic Review Committee (TARC)

Miami-Dade 5190 N.W. 167 St., Miami, FL 33014. Phone 305-620-7781. Fax 305-620-7787. Email RGDESIGN @BELLSOUTH.NET
Broward 426 Stonemont Dr., Weston, FL 33326. Phone 954-349-3795. Fax 954-349-3796. Email KENARC@BELLSOUTH.NET

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MEMBER
AMERICAN SOCIETY OF
LANDSCAPE ARCHITECTS

KENNETH ERIC GARDNER, ASLA

EDUCATION AND CERTIFICATION

1991 Bachelor of Landscape Architecture
University of Georgia, Athens, Georgia

1996 State of Florida Certified Landscape Architect #1569
1999 (CPTED) Crime Prevention Through Environmental Design - certified

LANDSCAPE ARCHITECTURE EXPERIENCE

1993-present Partner in Rosenberg Gardner Design, Miami, Florida
Director of Planning and Design. Project Manager for residential, commercial, industrial, and governmental projects. Among his activities are preparing master land use plans and site plans for residential communities, retail centers and parks. He has generated site construction plans and details, as well as planting, irrigation, and lighting plans for projects up to $1.5 million. He handles site inventories, client meetings, and public presentations and oversees project installation. He is an expert in using computer aided design applications for planning practices and has employed three-dimensional techniques for design analysis.

1993 Miami Dade Community College, Miami, Florida
Teacher. Taught college level course in landscape architectural practices and planting design.

1991-1993 Meadows Farms Nursery, Chantilly, Virginia
Designer. Prepared residential scale planting plans for installation for one of the largest Design-Build firms in the country. Learned mid-Atlantic landscaping practices by working on landscaping crews and attending design workshops. Was company's grading and drainage specialist, solving difficult erosion problems with creative landscaping and construction practices. Became experienced at working within a timeframe and a budget. Oversaw the installation of own designs. Generated creative marketing options to boost sales.

HONORS, MEMBERSHIPS, AND ACTIVITIES

Member: American Society of Landscape Architects
Member: Building Industry Association of South Florida
Member: Builders Association of South Florida
Artwork presented in Mostra Estate (an Italian International art exhibit) in Cortona, Florence, and Venice, Italy, as well as other museums throughout Europe.

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Broward: 426 Stonemont Dr., Weston, FL 33326. Phone 954-349-3795. Fax 954-349-3796. Email: KENARC@EARTHLINK.NET

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SON TRUONG

EDUCATION

1999 - 2004	University of Georgia - Athens, GA Bachelor of Landscape Architecture

PROFESSIONAL EXPERIENCE

2004	Rosenberg Gardner Design, Landscape Architects
2003	Summer internships with Landscape Architects
2002	Landscaping, Residential Design - Duluth, GA Design and Installation of Planting Bed, Retaining Wall, and Water Feature

OTHER WORK EXPERIENCE

1997 - 2004	Assistant Manager, Warehouse Music - Snellville and Athens, GA

HONORS AND ACTIVITIES

2003	- Participated in Sustainable Design Charrette for the New University of Georgia Art School - Stream Restoration and Storm Water Management
1999 - 2002	Recipient of Hope Scholarship
1998	Hands on Athens, Historic Preservation

COMPUTER SKILLS

Microsoft Office, Word, Excel, Power Point - Adobe Photoshop, Adobe Illustrator - Corel Draw, Paint - AutoCAD, Eagle Point Geographic Information System (GIS) - Quark Express

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Broward: 426 Stonemont Dr., Weston, FL 33326. P:954-349-3795; F: 954-349-3796. e-mail: kenarc@earthlink.net

Godwin N. Nnadi, PHD, PE
Chief Executive Officer/Principal Engineer

Education
B.S. in Mining/Geological Engineering, University of Nevada, 1979
M.S. in Civil Engineering, Purdue University, Lafayette, Indiana, 1980
Ph.D. in Civil Engineering, Queens University, Kingston, Canada, 1990

Certifications/Registrations/Technical Training
Professional Engineer, #50637, Florida, 1996
Professional Engineer, #90355751, Canada, 1993
Professional Engineer, Nigeria, 1985

Affiliations/Memberships
American Society of Civil Engineers (ASCE)
Canadian Society of Civil Engineers (CSCE)
Society of Earthquake & Civil Engineering Dynamics (SECED)
Nigerian Society of Engineers

Professional Experience
Dr. Nnadi is responsible for determining scope of services and manpower requirements for Florida projects. He directs and manages Nadic's operations throughout Florida. Dr. Nnadi has more than 27 years in geotechnical and geo-environmental engineering applications to various areas such as civil, transportation industrial and environmental systems. He has provided his geotechnical expertise for numerous roadways/bridges, high-rise and low-rise structures, utilities, earth dam design, dam remediation, geotechnical instrumentation and pavement evaluations. Dr. Nnadi has provided engineering services on more than 100 projects in Districts 1, 2, 3, 5, 7, and the Turnpike Enterprise, and is very familiar with FDOT practices and procedures. He has authorized and co-authored over 14 publications. He is also an adjunct professor at the University of Central Florida, Civil & Environmental Department, where he teaches geotechnical engineering courses.

Representative Groundwater Modeling Project Experience

- Rapid Infiltration Basin groundwater modeling – SR 429 Section 3, Part C, Orange County, Florida
- Seepage Analysis and Well installations and developments for Integrated Water Resources Project, Orange County.
- West County Subregional Plant; Vero Beach, Florida-Project manager for remediation of levee seepage.
- Bradenton; Florida-Project manager for seepage modeling of an earth dam.
- Immokalee Stormwater Management, Collier County, Florida for South Florida Water Management District.
- South Fort Meade, Florida - Seepage modeling of a 60-foot high dam.
- Town of Gananoque; Ontario, Canada-Project manger for hydrogeological modeling of groundwater in the lagoon.
- Project manager and project engineer for various utility projects throughout Orange, Seminole and Osceola Counties. Projects included new or upgrade water, sewer and reclaim lines in various service areas.

Representative Phase I/II Environmental Site Assessment Project Experience

- Philco Construction Inc; Orlando, Florida-Project manager for conducting Phase I ESAs for commercial low-rise buildings.
- Crescent Resources Inc; Lake Mary, Florida-Project manager for Phase I ESAs for the office complex in Lake Mary, Florida.
- Transport Canada; North Bay Airport, Ontario, Canada-Project manager for geo-environmental evaluation of airport hanger.

Representative Forensic Engineering Project Experience

- Central Florida; Florida-Project manager for sinkhole evaluation of various private and public facilities, providing remedial measures and construction control
- West County Subregional Plant; Vero Beach, Florida-Project manager for remediation of levee seepage.
- Polk County Engineering Department; Lakeland, Florida-Project manager, evaluated cause of a roadway culvert collapse, provided remedial measures and construction control.
- US Agrico, Bradenton, Florida-Project manager for evaluating cause of dam seepage and provide remedial measures.
- Florida Crushed Stone; Brooksville, Florida-Project manager for annual dam inspections.

Representative Quality Control/Quality Assurance Project Experience

- Mobil Mining & Mineral Company; South Fort Meade, Florida-Project manager for the quality control/quality assurance for a 60-foot high dam construction.
- City of Kingston; Ontario, Canada-Project manager for quality control/quality assurance to infrastructure construction and testing.
- Jacksonville Electric Authority, Florida – Project manager for ground improvement at the Northside Generating Station, in north Jacksonville, Florida.
- Florida Crushed Stone, Brookville, Florida – Annual dam safety inspection and evaluation of Gregg Mine limestone tailing dams since 1994.

Representative FDOT Project Experience

Dr. Nnadi served as project manager for geotechnical and materials testing services for the following:

- Florida Turnpike Enterprise:
  - SR 528 (Beeline) Widening, Orange County
  - SR 91 (Florida Turnpike) Widening from Beulah to SR 50
  - SR 429, Section 3, Part C, Orange County
  - Polk County Parkway, Sections 2, 3, 4 and 5
  - SR 91, Orange County, Florida: from milepost 263 to milepost 266
  - SR 826 (HEFT)) widening, Dade County
- Florida Department of Transportation:
  - SR 25 Expansion from Boggy Marsh Road to Lake Louisa Road
  - I-95 Pavement, Sign Structures and Ramp evaluation in Jacksonville.
  - SR 8A (I-110) from Fairfield Road to Maxwell Road in Pensacola, Florida.
  - SR 8A (I-110) from Fairfield Road to Airport Road in Pensacola, Florida.
  - SR 60, Kissimmee River Bridge Replacement, Osceola/Polk County, Florida
  - SR 434 Reconstruction from Tuskawilla Road to the Greenway, Seminole County
  - SR 50 Pavement Evaluation, Groveland, Lake County
  - SW 2nd Avenue Bridge, Miami
  - Brickell Avenue Bridge, Miami
- Orlando Orange County Expressway Authority:
  - SR 408/SR 417 Interchange Improvement, Orange County
  - SR 429, Sections 600 and 601, Orange County
  - SR 429, Sections 603 and 604, Orange County
  - SR 414/ US441 Interchange, Orange County,
  - SR 408/Good Homes Road Interchange, Orange County
  - SR 429/SR 414 Interchange Improvement, Orange County
  - SR 408 – Hiawassee Road Mainline Toll Plaza expansion, Orange County
  - SR 417/528 Interchange Improvements in Orange County
  - McCoy Road and TCP Drive in Orange County, Florida.
  - SR 417 – John Young Parkway Mainline Toll Plaza Expansion, Orange County

Representative Pavement Evaluation and Consulting Project Experience

- Florida Turnpike; Dade County, Florida -- Project manager for evaluation of homestead extension of Florida's Turnpike (HEFT) widening project.
- FDOT; District 2; Jacksonville, Florida-Project manager for pavement evaluation, sign structures and ramp evaluations.
- FDOT; District 5; SR 50 pavement evaluation, Groveland, Lake County, Florida.
- Transport Canada; North Bay Airport, Ontario, Canada-Project manager for evaluating pavement rehabilitation alternative.
- Mobil Mining & Mineral Company; South Fort Meade, Florida-Project manager for evaluation of Manley Road for City of Fort Meade.

Publications

Nnadi, G.N., I. Kinnear, J.D. Hussin & S. Flood, **2001**. A Case Study of Ground Improvement for a Major Power Plant in Jacksonville, Florida. Proceedings of a Specialty Conference: Foundations and Ground Improvement, Blacksburg, Virginia, June 9-13.

Nnadi, F.N. & **G.N. Nnadi, 1996**. Pipe Rehabilitation Technology without Excavation, 3rd African-USA conference on manufacturing technology, August 12-15, Accra, Ghana.

Nnadi, G.N., 1995. Microstructure Investigation of Tropical Residual Soils, Proceedings of the 11th African Regional Conference on Soil Mechanics and Foundation Engineering, Cairo, Egypt, December 11-15.

Nnadi, G.N., W.A. Ericson & C.E. Fielland, 1995. Utilization of Dredged Spoils for Dike Rehabilitation, ASCE Proceedings of the Conference on Ports and Harbors of the Waterways, Tampa, Florida. 1, pp. 585-596.

Mitchell, R.J. & **G.N. Nnadi, 1994.** Simulated backfill blast damage in centrifuge models, ASTM Specialty Symposium on Dynamic Geotechnical Testing II.

Nnadi, G.N. & R.J. Mitchell, 1991. Behavior of cemented sandfills under repeated loadings, Canadian Geotechnical Journal, Vol. 28, No. 3, pp 746-752.

Nnadi, G.N., 1991. Dynamic response of impacted cemented backfill, Proceedings, International Conference on Earthquake, Blast and Impact (Measurements and Effects of Vibration), Manchester, UK, pp 363-373.

Nnadi, G.N. & R.J. Mitchell, 1991. Use of centrifuge models to study simulated blast loadings on backfills, Canadian Mining and Metallurgical Bulletin (CIM), Vol. 84, No. 951, pp 58-63.

Nnadi, G.N., 1988. Hydraulic conductivity of tropical residual soils, Proceedings, 2nd International Conference on Geomechanics in Tropical Soils, Singapore, Vol. 1, pp 175-180.

Nnadi, G.N., 1988. Mechanical and hydraulic properties of compacted tropical residual soils, Lulea University of Technology Research Report, TULEA 1988:02, Lulea, Sweden.

Nnadi, G.N., 1987. Geotechnical properties of tropical residual soils, Lulea University of Technology Research Report, TULEA 1987:09, Lulea, Sweden.

Victor Igbo-Nwoke, P.E.
Project Manager, Nadic Engineering Services, Inc.

EDUCATION
B.S. Civil/Environmental Eng. University of Central Florida, 1986

PROFESSIONAL REGISTRATION
Professional Engineer, Florida, #52045
Wastewater Class "B" Florida # 0007200
USBI Inspector Certificate

PROFESSIONAL AFFILIATION
America Society of Civil Engineers (ASCE)
National Society of Black Engineers (NSBE)
America Society of Military Engineers (ASME)

SUMMARY OF WORK EXPERIENCE
Mr. Igbo-Nwoke brings 19 years experience in design and project Management, for private and public Land Development; site analysis and development, stormwater design, sanitary and water system Engineering; wastewater treatment plant process control and operations, construction management and administration; plans and construction document preparation, environmental permitting and specifications.

He held various positions of increasing scope and responsibility in Florida Department of Transportation (FDOT); working with every facet of Engineering, including Work Program, Permitting, Access Management, Maintenance, including managing operation and supervising other engineering positions in developing specifications special provisions, construction document review, permit applications processing and approval, review of engineering plans prepared by professional consulting firms as well as plans prepared in-house for FDOT Oviedo Maintenance Unit. Mr. Igbo-Nwoke holds a Florida Wastewater Treatment Plant Operator license Class "B" as well as UBCI inspector certificate. His broad background of experience incorporates wastewater collection and transmission system design, construction document preparation, specifications and plans preparation.

Mr. Igbo-Nwoke has designed and permitted land development, projects within central Florida. At A/R/C/ Associates and GTA Design Group, Inc. Mr. Igbo-Nwoke managed, coordinated, and designed multiple projects in the millions of dollars for Governmental and Institutional organization, coordinated meetings, consulted with client personnel in project reviews attended pre-bid conferences and prepared minutes of meetings.

WORKING EXPERIENCE

OOCEA - SR 417 Resurfacing
Project Manager – for the civil engineering support through Post Buckley Schuh & Jernigan (PBS&J). This project consisted of 10 miles of toll road with toll plazas. Responsible for signing and pavement marking design and plans preparation.

OOCEA – SR 528 Pavement Marking
Project Engineer – for the civil engineering support through PBS&J.
This project consists of 4 miles of toll road with toll plazas. Responsible for signing and pavement marking design.

OOCEA System wide RPM Upgrade and Replacement
Project Engineer – for the data collection, and civil engineering drawings. Responsible accuracy of data and spreadsheet preparation for RPM system wide replacement for SR 408, SR 417, and SR 429 in the County of Orange.

Harry Terry Water Treatment Plant - City of Lake Mary: Project Design Engineer – for the civil engineering support through Blount Sikes (Rocket and Associates). This project consists of design of two, one million gallon tanks, well, pumps and transmission line for plant upgrade. Responsible for design and utility coordination.

OOCEA - SR 408 Widening – Rosalind Ave to Crystal lake Dr.
Project Manager – for the civil engineering support through Post Buckley Schuh & Jernigan (PBS&J). This project consisted of 90% plans review in conformance to OOCEA Guidelines for preparation of signing and pavement marking plans.

Richard Grimaldi Retail Center, Longwood, Seminole Co. FL.
Project Engineer - Responsible for site development, roadway, utility, drainage and environmental permitting and stormwater management design for this planned commercial development in the City of Longwood. Coordinated permitting activities through all agencies and governmental entities having jurisdiction. Managed the design and production of utility plans and construction documents – City of Longwood, Seminole County, Florida

Frank Denis Commercial Office, Maitland, Orange Co. FL.
Project Engineer - Responsible for site development, access drive, utility, drainage and environmental permitting and stormwater management design for this planned commercial development in the City of Maitland. Managed the design and production of plans and construction documents – Maitland, Orange County, Florida

West Orange Trail Phase 3A Bridge, Apopka, Orange County, Florida
Project Engineer – for the civil engineering and permitting through governing agencies – SJRWMD, FDOT, ORANGE COUNTY. This project consisted of a bridge over US 441. Responsible for site engineering, trail roadway pavement design and alignment, drainage design, utility relocate and coordination for bridge crossing over US 441

Deep Creek Fire/EMS Station, Punta Gorda, Charlotte Co. FL.
Project Engineer – for the design and permitting of Management and Storage of Surface Waters (MSSW) through South Florida Water Management Design (SWFWMD) and Charlotte County Publics Works Department. Responsible for site engineering, roadway rigid pavement design, drainage design, water and wastewater system design

Olde Gaslight Colony, Mt. Dora, Lake County, Florida.
Project Engineer - Responsible for site development, roadway, utility, drainage and environmental permitting and stormwater management design for this planned commercial development in the City of Mount Dora. Managed the design and production of utility plans and construction documents – Mt. Dora, Lake County, Florida.

Department of Highway Safety & Motor Vehicle (DHSMV), FHP Building– Project Engineer for re-roofing design, site drainage discharge modification, project management and construction documents – Lakeland, Polk County, Florida

Eastside High School, Gainesville, Alachua County, Florida
Project Engineer for re-roofing design, roof drainage discharge modification, project management and construction.

Dickinson Memorial Library, Orange City, Volusia County, Florida.
Project Engineer for re-roofing design, roof drainage discharge modification, project management and construction.

B.T. Enterprises Residential Development - Provided various civil engineering design, site development, grading and permitting assistance for County-wide residential construction projects - Orlando, Florida.

STONECREST Development Group, Orlando, Florida
Provided various civil engineering design, site development, grading and permitting assistance for County-wide residential construction projects.

Foam Zone Car Wash, Leesburg, Lake County, Florida
Responsible for project management, site development design, utility design and permitting of MSSW through St. Johns River Water Management District (SJRWMD) and City of Leesburg. Managed the design and production of construction documents and specifications.

Raul Izquierdo, PSM # 6099
P(3)SM, L.L.C.
Professional Surveyors & Mappers
3900 N.W. 79 Avenue Suite 235 Doral, Florida 33166

LICENSE

2000 Professional Surveyor & Mapper (State of Florida) License # 6099

EXPERIENCE

2004-present P3SM, L.L.C.
Vice-President

- Responsible for all facets of running an office
- Manage 7 field crews and 7 drafters on a daily basis
- In charge of development of work schedules, assignment of duties to field supervisors, field and office coordination for all projects as well as the preparation of technical proposals and cost estimates for future projects.
- Gather and coordinate: boundary surveys, construction stake-outs, asbuilts, GPS & Data Collecting for Design purposes
- Establishing a Satellite office in the Tampa area

Relevant Projects:

- Topographic Data Collecting of Edison Park, Amelia Earhart Park, Village Green Park, Uleta Community Center, & Southridge Community Aquatic Center
- Topographic Data Collecting for City of Hialeah roadway design studies 15 miles
- Topographic Data Collecting for Village of Palmetto Bay (Coral Reef Park) 50 acres
- Boundary Surveys for the private sector (Mortgage and Title Companies)over 170 surveys a month
- Subdivisions of new homes (Renaissance Ranches, Palms at Bayshore, etc...) over 2,000 homes
- La Gorce Golf Course Boundary Survey

1994-2004 Manuel G. Vera & Associates, Inc. Miami, FL
Project Manager for MDX, FDOT Districts IV, VI & Turnpike District Projects
Projects consisted of : GPS control for aerial photogrammetry, Electronic Field Book (EFB) data collecting, Topographic files for design work, Right-of-way survey, bridge survey, soundings and drainage structure asbuilts

Relevant Projects:

Miami-Dade Expressway Authority (MDX)

- SR 112 from I-95 to LeJuene Ave 3.5 miles
- SR 836 from N.W. 37 Ave to N.W. 72 Ave 3.5 miles
- SR 874 from Turnpike Extension to Bird Road 7.0 miles

Port of Miami

- Construction of new Parking Garage & GPS/data collecting of over 75% of Port for Design Study
- Establish GPS control & soundings for proposed Tunnel Design

Florida Department of Transportation (both District IV & VI)

- Topographic & Right-of-Way Survey for SW 8 St(SW 127 Ave to SW 152 Ave) 5 miles
- Right-of-Way Mapping along Krome Ave (SW 286 St to SW 8 St) 18 miles
- Establish Florida Keys Corridor Map from Key West to Florida City 120 miles
- Topographic & Right-of-Way Survey for NW 57 Ave (NW 19 St to W 79 St) 4 miles
- Topographic location for design purposes of proposed Bike Path (Monroe County)
- Right-of-Way Survey for SR826/836 Interchange from Flagler St to NW 25 St & NW 97 Ave to NW 57 Ave 6.0 miles
- GPS & EFB data collecting for numerous State Road projects

Miami International Airport

- Topographic Data Collecting for American Airlines new Terminals A thru E
- Construction As-built of New Northside Runway

Eduardo Suarez, PSM # 6313
P(3)SM, L.L.C.
Professional Surveyors & Mappers
3900 N.W. 79 Avenue Suite 235 Doral, Florida 33166

LICENSE

2001 Professional Surveyor & Mapper (State of Florida) License # 6313

EXPERIENCE

2004-present P3SM, L.L.C.
President

- Responsible for all facets of running an office
- Manage 7 field crews and 7 drafters on a daily basis
- In charge of development of work schedules, assignment of duties to field supervisors, field and office coordination for all projects as well as the preparation of technical proposals and cost estimates for future projects.
- Gather and coordinate: boundary surveys, construction stake-outs, asbuilts, GPS & Data Collecting for Design purposes
- Establishing a Satellite office in the Tampa area

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- Topographic & Right-of-Way Survey for NW 57 Ave (NW 19 St to W 79 St) 4 miles
- Topographic location for design purposes of proposed Bike Path (Monroe County)
- GPS & EFB data collecting for numerous State Road projects

MetroRail

- Construction verification for NW 79 St station

MANUEL J. ECHEZARRETA, P.E.

FORD ENGINEERS, INC.
1950 N.W. 94th Avenue
Second Floor
Doral, FL 33172
Phone: (305) 477-6472 • FAX: (305) 470-2805

SUMMARY: Manuel J. Echezarreta has a broad background in all aspects of site/civil and environmental engineering, in both the private and public sectors. He has an excellent relationship with the various regulatory agencies and is capable of dealing with all facets of projects, from early planning to completion.

EDUCATION: University of Miami - B.S. Civil Engineering, 1976

REGISTRATIONS: Professional Engineer #24595, State of Florida, April, 1981
Certified General Contractor #CG015597

PROFESSIONAL ORGANIZATIONS:
American Society of Civil Engineers (ASCE)
National Society of Professional Engineers (NSPE)
Builders Association of South Florida (BASF)
Florida Institute & Consulting Engineers
American Water Works Association
Executives' Association of Greater Miami, Inc. (EAGM)

PRESENT EXPERIENCE: Mr. Echezarreta is President of FORD ENGINEERS, INC. and is responsible for all site/civil and environmental projects undertaken by the firm. Mr. Echezarreta has over 32 years of experience in site/civil and environmental engineering in the South Florida area. His responsibilities include the design and post design services of all site/civil and environmental projects including permitting, contract documents, site observations and feasibility studies.

PREVIOUS
BACKGROUND:

From 1988 to 1994, Mr. Echezarreta was Vice-President of EAS Engineering, a local Engineering firm. His responsibilities were in the areas of site/civil and sanitary projects, as well as the firm's design and construction administration of all projects. Duties included permitting, contract documents, site observations and feasibility studies.

From 1987 to 1989, Mr. Echezarreta was Director of Design Services for a local Miami Engineering firm. These activities included the overseeing of all designs, including site/civil, structural, marina and sanitary. Responsibilities included supervision of engineering, drafting and inspection personnel.

From 1985 to 1987, Mr. Echezarreta was Chief Engineer and Project Manager of the Florida office of Sasaki Associates; a Boston based national firm, which provides professional services in Engineering, Architecture, Landscape Architecture and Planning. In this capacity, Mr. Echezarreta coordinated projects in Florida, as well as the New England area.

Prior experience includes over 10 years as Project Manager/Project Engineer designing drainage systems, roadways, coastal structures, as well as, water and sewer line extensions. Mr. Echezarreta was also employed by the Miami-Dade County Department of Environmental Resource Management (DERM), during which time he was involved in industrial and solid waste management.

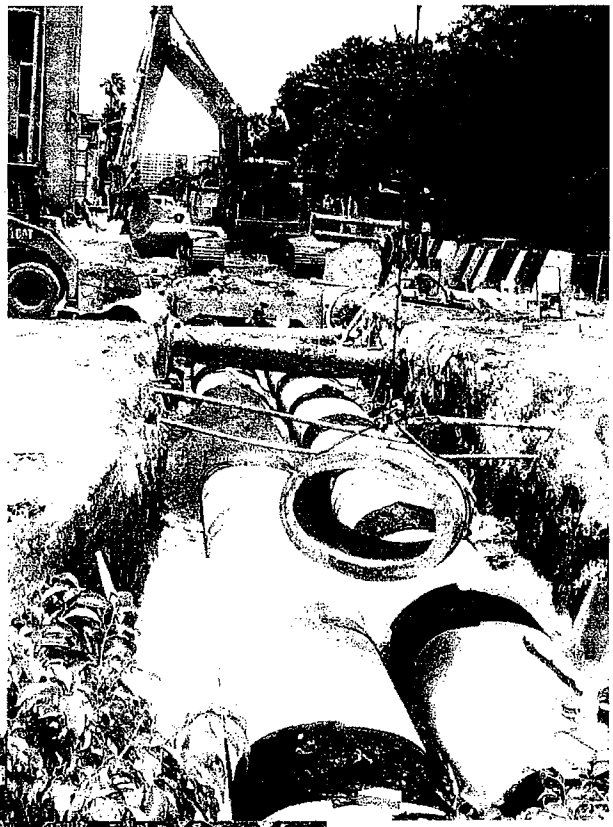
Mr. Echezarreta's experience has included work in projects throughout the States of Florida, Massachusetts, South Carolina, Georgia and the Caribbean.

Mr. Echezarreta has provided services to clients such as the City of St. Petersburg, Miami Expo Center, Fisher Island, Anglers Club, Miami-Dade County, Cheeca Lodge, Doral Country Club and many public entities.

MIAMI-DADE

Section C

Pipeline Experience of the Team



Section C - Pipeline Experience

RIC-MAN INTERNATIONAL, INC.

INTRODUCTION

For the last twenty-six years, RIC-MAN International, Inc. has been involved in the construction of Pipeline Projects similar to the one covered by this proposal. In these projects, RMI had to maintain vehicular and pedestrian traffic at all times. The list of projects demonstrates that RMI enjoys a great large deal of experience in the construction of:

- Pipeline Construction
- Roadways, including pavement markings and signing;
- Site concrete work such as curb & gutter and sidewalk;
- Landscape features and irrigation systems;
- Street lighting systems

We would also like to show on the following page an article that was published today on the Miami Today where the City of Miami Beach Capital Improvement Director, Jorge Chartrand is quoted *"Ric-Man International has been understanding and cooperative of the City's needs"*

Miami Beach's Washington Avenue overhaul nearly complete

By Eric Kalis

Workers in Miami Beach have completed most of a major overhaul of one of the city's main streets. City officials say the project already is paying dividends for nearby businesses.

As part of the city's Right-of-Way Improvement Master Plan, Broward County contractor Ric-Man International Inc. spent 14 months working on Washington Avenue from 11th to 16th streets, finishing the original scope of construction in May. Because the project was finished five months ahead of schedule, said Ric-Man Senior Project Manager Albert Dominguez, Miami Beach officials allowed the company to make minor repairs to the surrounding Lummus and Flamingo neighborhoods.

Final touchups will be made by December, Mr. Dominguez said.

The company stayed within the $12.1 million budget set by the city, said Mr. Dominguez, who worked for the Florida Department of Transportation for 10 years and once served as director of public works for the City of Miami.

Photo by Maxine Usdan

Jorge Chartrand: Drainage improvements to reduce rainwater buildup most important part of project.

Among improvements Ric-Man made to Washington Avenue:

- Water piping was replaced.
- New sidewalks were built for improved pedestrian access.
- Landscaping was added.
- Pavement striping was adjusted to alleviate traffic congestion.

"Ric-Man International has been understanding and cooperative of the city's needs," said Jorge Chartrand, the city's director of capital improvements. "This could be the start of a long-term relationship. In this market, it is difficult to find good contractors."

The most important element of the project, Mr. Chartrand said, were drainage improvements to reduce the buildup of rainwater.

With the help of engineering firm AMP Consultants Ltd., Ric-Man workers changed four traffic signals, paid for by Miami-Dade County.

"The corridor needed a major overhaul," Mr. Chartrand said. "Washington Avenue is an important corridor commercially and for tourism. The city has great expectations for the street."

While businesses in the area suffered during construction, Mr. Chartrand said, activity has increased significantly since the primary work was completed. When Miami Beach's peak tourism season begins in late November, he said, city officials will be able to better gauge the direct impact the project has on Washington Avenue businesses.

Throughout the next six years, the city will hire contractors to improve 14 neighborhoods, with projects ranging from sewer replacements to tree planting on medians. The progress made on Washington Avenue, Mr. Dominguez said, should generate momentum for the rest of the project and make traveling through the city less cumbersome for drivers and pedestrians.

"I believe the area will thrive," Mr. Dominguez said. "When the peak season comes and people see a brand new Washington Avenue, they will be pleased."

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Ric-Man International, Inc.

SIMILAR PCCP COMPLETED WORK GREATER THAN 54-INCH

OWNER	ENGINEER	CONTRACT	DESCRIPTION	LABOR AMOUNT ONLY	COM-PLETED	On Time	Time Ext	Contact Person	Phone No.	Fax No.
MIAMI-DADE WATER & SEWER DEPT. 3071 SW 38th Ave, Miami, FL	DESIGN BUILD RIC-MAN INTERNATIONAL, INC. / NOVA CONSULTING	DERM01-WASD-NLE-WEST 54" FORCE MAIN PROJECT	9,100' OF 54" PCCP	$6,649,092.00	2005	Y	Y	Nelson Cespedes	305-673-000	0
MIAMI-DADE WATER & SEWER DEPT. 3071 SW 38TH AVE.MIAMI, FL.	MIAMI-DADE W&S DEPT.	EMERGENCY REPAIR OF 54" FLAGLER INTERCEPTOR	1,400 LF 54" PCCP	$951,180.00	2003	Y	N	Nelson Cespedes	305-673-000	0
MIAMI-DADE WATER & SEWER DEPT. 3071 SW 38TH AVE.MIAMI, FL.	MIAMI-DADE W&S DEPT.	EMERGENCY REPAIR BISCAYNE BAY	72" PCCP	$498,750.00	2001	Y	N	Humberto Codispoti	954-797-2285	954-797-2720
MIAMI-DADE WATER & SEWER AUTH. 4900 Le Jeune Rd Coral Gables, FL	MIAMI-DADE W & S AUTHORITY	INTERCONNECTION AT PUMP STATION 2 & CENTRAL DISTRICT WWTP	120" PCCP	$1,876,050.00	1999	Y	N	Armando Rubio	305 375-5419	305 375-5419
MIAMI-DADE WATER & SEWER AUTH. 4900 Le Jeune Rd Coral Gables, FL	MIAMI-DADE W & S AUTHORITY	NORTH DISTRICT WASTEWATER TREATMENT PLANT HARRY PEPPER & ASSOC.	1,686 LF 72" PCCP FM	$421,575.00	1997	Y	N		#N/A	#N/A
MIAMI-DADE WATER & SEWER AUTH. 4900 Le Jeune Rd Coral Gables, FL	MIAMI-DADE W & S AUTHORITY	54" EMERGENCY REPAIR WATERMAIN RED ROAD & NW 60TH ST.	54" PCCP FM	$146,500.00	1997	Y	N	Nelson Cespedes	305-673-000	0
MIAMI-DADE WATER & SEWER AUTH. 4900 Le Jeune Rd Coral Gables, FL	MIAMI-DADE W & S AUTHORITY	FLAGLER ST. FORCEMAIN S503D DIVISION 1	7,195 LF 54" PCCP FM	$1,115,222.00	1996	Y	N	Nelson Cespedes	305-673-000	0
MIAMI-DADE WATER & SEWER AUTH. 4900 Le Jeune Rd Coral Gables, FL	MIAMI-DADE W & S AUTHORITY	INTERCONNECTION TO THE EXISTING 60" FM VARIOUS LOCATIONS S-617	3,118 LF 60" PCCP	$935,300.00	1996	Y	N	Nelson Cespedes	305-673-000	0
MIAMI-DADE WATER & SEWER AUTH. 4900 Le Jeune Rd Coral Gables, FL	MIAMI-DADE W & S AUTHORITY	WATER & SEWER IMPROVEMENTS SW 117TH AVE. S605A DIVISION 3	10,316 LF 72" PCCP Force Main	$1,289,510.00	1995	Y	?	Nelson Cespedes	305-673-000	0
MIAMI-DADE WATER & SEWER AUTH. 4900 Le Jeune Rd Coral Gables, FL	MIAMI-DADE W & S AUTHORITY	WATER & SEWER IMPROVEMENTS SW 104TH ST. S605A DIVISION 1	14,376 LF 72" PCCP Force Main	$1,797,015.00	1995	Y	?	Nelson Cespedes	305-673-000	0

Ric-Man International, Inc.

SIMILAR PCCP COMPLETED WORK GREATER THAN 54-INCH

OWNER	ENGINEER	CONTRACT	DESCRIPTION	LABOR AMOUNT ONLY	COM-PLETED	On Time	Time Ext	Contact Person	Phone No.	Fax No.
MIAMI-DADE WATER & SEWER AUTH. 4900 Le Jeune Rd Coral Gables, FL	MIAMI-DADE W & S AUTHORITY	SW WELLFIELD 72" RAW WATERMAIN W747A	3,706 LF 72" PCCP Raw Water Main	$667,160.00	1995	Y	?	Glenn Yeomans (D)	0	0
MIAMI-DADE WATER & SEWER AUTH. 4900 Le Jeune Rd Coral Gables, FL	MIAMI-DADE W & S AUTHORITY	96" RAW WATERMAIN W-637	11,742 LF 96" PCCP Water Main	$1,174,162.00	1994	Y	N	Armando Rubio	305 375-5419	305 375-5419
BROWARD COUNTY BOCC 115 S. ANDREWS AVENUE FT. LAUDERDALE, FL	BROWARD COUNTY BOCC 115 S. ANDREWS AVENUE FT. LAUDERDALE, FL	72" TWIN CULVERT NW 44th St. & Pine Island Rd. PROJECT NO. 5114	72" PCCP	$83,797.00	1993	Y	N		#N/A	#N/A
MIAMI-DADE WATER & SEWER AUTH. 4900 Le Jeune Rd Coral Gables, FL	MIAMI-DADE W & S AUTHORITY	84" EMERGENCY FORCE MAIN SW 7TH ST.	837 LF 84" PCCP	$83,696.00	1993	Y	N	Nelson Cespedes	305-673-000	0
MIAMI-DADE WATER & SEWER AUTH. 4900 Le Jeune Rd Coral Gables, FL	MIAMI-DADE W & S AUTHORITY	84" PCCP & VALVE ALEXANDER ORTEGA JR. WATER TREATMENT PLANT CONTRACT NO. W-567	84" PCCP	$98,000.00	1991	Y	N		#N/A	#N/A
Updated :		2/18/2008	TOTALS	$17,787,009	Late:	1 *				

Note: The majority of time extensions were Owner initiated as a result of additional work, errors and omissions, weather, and/or unforeseen conflicts.

O = Project Manager or Superintendent no longer employed with Ric-Man

(D) This contact Person is deceased

* Project late due to sub going out of bussiness no LD's assesed.

NIP = Neighborhood Improvement Projects

54" PCCP	18,428
60" PCCP	3,118
72" PCCP	28,827
84" PCCP	1,327
96" PCCP	11,742
54" and Greater	63,442
72" and Greater	41,896

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Section C - Pipeline Experience

LANZO CONSTRUCTION OF FLORIDA

INTRODUCTION

Lanzo Construction of Florida (LCF) has been a leading competitor in the construction industry for over 35 years. Originated in Roseville, Michigan, with offices in Detroit, Michigan, Pompano Beach, and Coral Gables, Florida. At Lanzo, one of our main goals is to provide quality, cost-effective and on-time construction. Lanzo is an equal opportunity employer and meets all Federal, state and municipal health & safety regulations. We hold the highest level of ethics and are committed to ensuring the safety of our employees and the convenience and safety of the people within the communities we service. Lanzo construction is a licensed general contractor and engineering company that has demonstrated competence with highly complex projects. Lanzo values a successful relationship with the Owner and Engineers. Lanzo construction has experience with major heavy construction, rehabilitation, demolition and marine projects. Lanzo is there to provide a quality, on-time project within budget amount. Lanzo employs a highly diversified staff of over 400 people and provides a full range of construction services and contracting capabilities.

Owner/Address Contact/Phone/Fax	Project Name	Project Scope	Contract Amount Original Contract/Final No. of Days	Dates
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact John Chorlog Phone: 786-552-8150	RFQ0001 Misc. Pump Station Construction Contract	Improvements to Pump Stations & Force Mains, located w/the Greater Metro Dade County Area Approximately 400 Pump Stations in need of modifications, (impeller replacement) or replacement, motor replacement, pump and motor replacement, electrical & refurbish concrete pump station structures.	Original Contract: $27,500,000.00 Final: Days: Annual/Var	NTP 4/1/95 Various
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact John Chorlog Phone: 786-552-8150	Annual Contract For Removal and Replacement on replacement of Sanitary Sewer Gravity Mains	Removal of approx 10,000 lF of existing 8" thru 15" Sanitary Sewer gravity mains and replacement w/new 8" thru 15" Poly (vinyl chloride) PVDC C900 or DIP & fittings modify sanitary sewer manholes, reconnect exist service laterals throughout Dade County. Work entails bypass pump, traffic control, temp/perm paving	Original Contract: $989,196.00 Final: $989,124.00 Days: 365	NTP 3/1/93 Start: 3/29/1993 Completion: 8/7/1993
City of Hollywood Hollywood FL	Wastewater Collection System Sewer Rehabilitation	Repairs of Gravity system pipe and manhole repairs. Work included collection line repairs utilizing Cured in Place & fold and Form pipe lining technologies, sealing pipe joints with chemical grout, manhole repairs utilizing spray applied grouted and Cured in Place Liners throughout the City of Hollywood	Original Contract: $1,387,365.00 Final: $1,387,365.00 Days: 365	NTP 10/15/93 Start: 10/2/1993 Completion: 10/1/1994
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact John Chorlog Phone: 786-552-8150	Contract S-490 Removal/ Replacement of Sanitary Sewer Gravity Mains Annual Contract	Removal of approximately 60,000 LF of existing 8" - 15" Sanitary Sewer gravity mains & replacement with new 8" to 15" poly (vinyl Chloride) PVC C-900 or DIP & fittings w/ modification to sanitary sewer manholes as necessary w/ reconnection of existing service laterals at various locations throughout Dade County.	Original Contract: $7,358,139.00 Final: $6,341,573.24 Days: 365	NTP 8/9/93 Start: 8/9/1993 Completion: 8/1/1995
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact John Chorlog Phone: 786-552-8150	Contract S-391B Installation of 54" FM in SW 128th From 107th Avenue to 97th Avenue	Installation of Approximately 5,400 Ft of prestressed concrete cylinder pipe force main with a subaqueous crossing under canal C-100C & tapping into a 66" & 54" concrete force main & additionally installing 12" & 54" FM's 12" & 54" plug valves and pavement repairs along SW 120th Street from 107th to 97th Avenue	Original Contract: $1,565,097.00 Final: $1,643,278.80 Days: 240	NTP 9/15/93 Start: 9/28/1993 Completion: 6/1/1994

Owner/Address Contact/Phone/Fax	Project Name	Project Scope	Contract Amount Original Contract/Final No. of Days	Dates
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact John Chorlog Phone: 786-552-8150	Contract 391D Replacement Force Main to the Central District Wastewater Treatment Plant in SW 15th Road	Installation of over 2,150 feet of 102 inch reinforced concrete pressure pipe, cylinder type, with additional 480 feet of 84-inch prestressed concrete pipe as an embedded pipe for a replacement forcemain in SW 15th Road from SW 2nd Ct to So. Bayshore Drive in the City of Miami.	Original Contract: $1,263,615.00 Final: $1,320,815.77 Days: 180	NTP 11/2/93 Start: 12/6/1993 Completion: 4/1/1994
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact John Chorlog Phone: 786-552-8150	Contract S-497 Installation of 48-inch Force Main between Pump Station #1 and Pump Station #2.	Installation of approx 7,800 LF of 48" DI FM from Pump Station #1 at N.River Drive & NW 3rd St to PS #2 at NE 9th & Biscayne Blvd. Install the FM under Biscayne under the FEC RR by Jack & Bore and installation of 24,36 and 48" plug valves and pavement restoration	Original Contract: $1,930,372.00 Final: $1,930,372.00 Days: 150	NTP 1/31/94 Start: 3/14/1994 Completion: 8/1/1994
Broward County OES 2555 West Copans Road Pompano Beach FL Contact: Patrick Sweet Phone: 954-786-4153	Broward County Proj. #1134, Bid Package #13 "South System Transmission Main, Regional Water Supply Project"	Furnish and Install approximately 14,990 LF of 42" DI Water transmission line, with valve structures, ARV's, restoration/Replacement of concrete pavement, driveways and sidewalks. Additional construction of jack & bore crossing of a 60" line to complete the system around Sheridan btwn 97th Ave and Pasadena Blvd.	Original Contract: $3,084,563.65 Final: $3,357,893.39 Days: 240	NTP 4/1/94 Start: 5/13/1994 Completion: 10/4/1995
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact John Chorlog Phone: 786-552-8150	Contract S-500 Installation of 54-inch Fore Main from SW 127th Avenue to SW 97th Avenue.	Installation of approximately 5,400 feet of 54-inch prestressed concrete cylinder pipe force main in SW 120th Street from SW 107th Avenue to SW 97th Avenue in Dade County. Work included subaqueous crossing under canal C-100C tapping into a 66" & 54" concrete FM. Also installed 12" & 54" plug valves	Original Contract: $887,611.00 Final: $878,688.00 Days: 150	NTP 4/1/94 Start: 6/7/1994 Completion: 11/1/1994
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact John Chorlog Phone: 786-552-8150	Sanitary Force Main on Flagler Street	Replaced Exist 48" Discharge piping w/new 60" discharge for Pump Sta #187. It included the installation of a 60" aerial crossing over the Tamiami Canal. The new pump station to control piping & tie-in to existing 60" FM of Approx 780 LF w/ 7 60" plug valves. Six control valves w/ 2 exist 48" plug valves retrofitted	Original Contract: $9,752,571.52 Final: $9,752,571.52 360	NTP 4/1/94 Start: 4/26/1994 Completion: 3/1/1995
City of Miramar 2300 Civic Center Place Miramar FL 33025 Phone: 954-538-6825	Project #91-01-04 Bid package #3 Biscayne Aquifer Wellfield and Pipeline	Furn/Install 3 Biscayne Aquifer raw water wells w/submersible pumps & accessories in underground vaults. Site grading/paving & patching, sodding, removal/disposal of waste, unsuitable & excess excavated mat'l haul pump of excavated fill, landscaping irrigation system	Original Contract: $2,421,490.00 Final: $2,583,451.61 Days: 210	NTP 8/8/94 Start: 10/3/1994 Completion: 10/1/1995

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Owner/Address Contact/Phone/Fax	Project Name	Project Scope	Contract Amount Original Contract/Final No. of Days	Dates
City of Hollywood 1621 N 14th Avenue Hollywood FL 33020 Contact: Jong G. Monson, P.E. Phone 954-921-3930	Floridian Wells Pumping Stations and Pipelines on Park Road between Hollywood Blvd & Crescent Drive and on Fillmore Street between Park Road & the Hollywood Water Treatment Plant	Construction of 3 reinforced concrete vaults. Installation of submersible well pumps and motors, control vlves, piping electrical and control equipment for 3 Floridian water supply wells. Construction of 965 LF of 12" PVC & 1,460 LF of 30" DIP Raw Water Transmission main. Asphaltic concrete roadway w/traffic sig. loop restoration	Original Contract: $1,386,010.00 Final: $1,598,780.45 Days: 145	NTP 12/1/94 Start: 2/21/1995 Completion: 1/5/1996
City of Miramar 2300 Civic Center Place Miramar FL 33025 Phone: 954-538-6825	Construction of Bid Package #2, Water Distribution Pipeline & Bid Package #4B, West Transmission Main	Installation of water pipeline consisting of 18,300 LF of 20", 900 LF of 12" and 110 LF of 8". Also installation of Force Main consisting of 10,400 LF 24", 7,900 LF 20", 500 LF 12" and 110 LF 8". Fittings, valves & appurtenances required. Work site was btwn SW 178 Ave and SW 160 Ave. The west transmission extended from Miramar Blvd between SW 160 Ave & SW 148 Ave.	Original Contract: $3,108,625.00 Final: $3,075,214.34 Days: 150	NTP 1/25/95 Start: 2/8/1995 Completion: 1/19/1996
Village of Key Biscayne 88 W McIntyre Street Key Biscayne FL 33149 Phone: 305-682-3810	Village of Key Biscayne, Holiday Colony Ocean & Sunrise Drives Stormwater Improvement Plans	Stormwater improvements within 8 streets in the Holiday Colony area, from Ocean Lanes and Sunrise Drives, in the Village of Key Biscayne. Work included installation of approx 7,700 LF of stormwater pipe & appurtances, construction of two pump stations, 6 drainage wells & replacement of asphalt concrete roadway pavement & sodding	Original Contract: $1,975,104.00 Final: $1,974,349.98 Days: 180	NTP: 7/1/95 Start: 7/17/1995 Completion: 4/8/1996
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact: Rust Engineering & Hazen and Sawyer	Contract W-723 "Installation of 36-inch Raw Water Main along NW 74th Street from 8th Ave to North Royal Poinciana Blve.	Project consisted of installing over 10,650 LF of 36-inch Ductile Iron WM on NW 74 St from 87 Ave to North Royal Poinciana Blvd. Additionally this project included the installation of butterfly valves, tapping sleeves and valves, ARV assemblies, manholes, connections to existing mains, cleaning, testing & disinfection of mains w/all pavement repairs as required.	Original Contract: $1,491,682.00 Final: $1,691,493.00 Days:	NTP: 4/24/95 Start: 4/8/1996 Completion: 12/1/1996
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact John Chorlog Phone: 786-552-8150	ER 1594 Installation of 36 inch Water Main along NW 36th Street between NW 10th Avenue NW 17th Avenue	Construction of approximately 3700 LF of 36" & 405 LF of 8" Ductile Iron Water Main along NW 36th Street between NW 10th Avenue and NW 17th Avenue. Additionally, this project included installation of 36-inch butterfly valves, tapping existing mains, making connections testing and disinfecting the main. All appurtenances, misc. items including pavement repairs.	Original Contract: $637,180.00 Final: $637,180.00 Days: 90	NTP: 8/7/95 Start: 10/23/1995 Completion: 7/1/1996

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Owner/Address Contact/Phone/Fax	Project Name	Project Scope	Contract Amount Original Contract/Final No. of Days	Dates
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact John Chorlog Phone: 786-552-8150	Contract S-627 1 & 2 "Installation of 42-inch and 48-inch PCCP Force Main at SW 25th Terrace from SW 32nd Avenue	Div. 1: Installation of 6,300 LF 24" PCCP FM & a connection to a 42" plug valve & installation of same. Installation of 36" plug valve w/connection to 48" PCCP & 24" & 36" DIP FM. Div. 2: Construct 3800 LF of 48" PCCP FM at existing Weir Box Structure. Open cut installations of 48" plug valves, 42" plug valve & connection to exist 48" PCCP & 24" & 36" DIP FM	Original Contract: $2,861,320.00 Final: $2,152,719.10 Days: 105	NTP: 11/20/95 Start: 2/19/1996 Completion: 6/1/1996
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact John Chorlog Phone: 786-552-8150	Contract S-503D 1 Flagler Street Sanitary Sewer Force Main Division 1	Installation of approximately 5100 LF of 60" PCCP. Also installation of control valves, combination magnetic flow meter and venturi in a vault. Clean/Test line. Paving repairs, 320 LF of 8-inch watermain.	Original Contract: $3,246,820.00 Final: $3,137,263.00 Days: 180	NTP: 5/30/95 Start: 10/24/1995 Completion: 6/1/1996
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact John Chorlog Phone: 786-552-8150	ER-48"	Emergency Repair	Original Contract: $1,185,000.00 Final: $1,231,087.00 Days: ASAP	NTP: 9/1/95 Start: 9/26/1995 Completion: 1/1/1996
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact John Chorlog Phone: 786-552-8150	Contract PS 962-PMT	Installation of Pump Station	Original Contract: $224,000.00 Final: $224,000.00 Days: 45	NTP:10/25/95 Start: 1/1/1996 Completion: 3/1/1996
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact John Chorlog Phone: 786-552-8150	Contract 947-LT	Installation of Pump Station	Original Contract: $382,200.00 Final: $367,546.00 Days: 45	NTP: 2/1/96 Start: 2/8/1996 Completion: 4/1/1996

Owner/Address Contact/Phone/Fax	Project Name	Project Scope	Contract Amount Original Contract/Final No. of Days	Dates
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact John Chorlog Phone: 786-552-8150	Contract S-608A-LT	Wastewater Transmission System Kendall Area	Original Contract: $946,640.00 Final: $946,640.00 Days: 120	NTP: 7/31/96 Start: 7/31/1996 Completion: 12/1/1996
City of Sunrise 14140 NW 8th Street Sunrise FL 33325 Phone: 954-846-7400	Water Main and Force Main to Indian Trace, City of Sunrise	Furnish/Install, test disinfect and place into service approximately 20,300 LF of 30" Water Main and 20,300 LF of 30" Sanitary Force Main.	Original Contract: $5,066,470.00 Final: $5,816,336.00 Days: 310	NTP: 8/15/96 Start: 11/13/1996 Completion: 12/1/1997
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact John Chorlog Phone: 786-552-8150	Contract W-732 24" DI W.M. Installation of 24-Inch DI Water Main across Miami River for North-South Water System	Install approx 710 LF of 24" DI Water Main & appurtenances Under Biscayne Bay. Included Jack & Bore by microtunnelling method of a 36" steel casing pipe under the Bay with construction of Jacking & Receiving pits, connect to exist main & tap into another main w/installation of valves & plugs. Restoration of complete area for landscaping.	Original Contract: $1,351,340.00 Final: $1,345,790.00 Days: 120	NTP: 9/8/97 Start: 10/6/1997 Completion: 8/15/1998
City of Cooper City	Contract: CC-027791 City of Cooper City Wastewater Treatment Plant	Project was design build of a wastewater treatment plant for the city. Plant was designed for a 20 MGD capacity with the work consisting of demolition, earthwork, site preparation, excavation, pipe installation, concrete forming, mechanical installation, asphalt work, walkways, landscaping & fencing.	Original Contract: $1,080,000.00 Final: $1,118,516.00 Days: 420	NTP: 7/1/96 Start: 8/26/1996 Completion: 9/1/1997
City of Hollywood 1621 N 14th Avenue Hollywood FL 33020 Phone 954-921-3930	Contract # 95-7031 Southern Regional Wastewater collection system and 36" Sanitary Sewer Rehabilitation.	Restoration of approximately 621 LF of 36" Concrete gravity interceptor sewer and appurtenance structures in the City of Hollywood. Inclusive with this proj. was cleaning & surface prep of the interior of the existing 36" sewers, slip lining w/ a minimum 30" diameter fiberglass pipe, grouting, pavement repairs and related items.	Original Contract: $144,121.00 Final: $119,803.00 Days: 120	NTP: 11/5/96 Start: 2/13/1997 Completion: 3/1/1997

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Owner/Address Contact/Phone/Fax	Project Name	Project Scope	Contract Amount Original Contract/Final No. of Days	Dates
City of Hollywood 1621 N 14th Avenue Hollywood FL 33020 Phone 954-921-3930	Contract 93-5031 Dixie Highway, 8" Water Main Improvements	Project consisted of constructing approximately 10,000 LF of 8" DI Water Main Pipe and 16 new fire hydrants along the ROW of Dixie Highway from 21st Ave between Hollywood and Pembroke Road in the City of Hollywood.	Original Contract: $566,292.50 Final: $383,975.00 Days: 180	NTP: 6/20/96 Start: 7/1/1996 Completion: 10/1/1997
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact Dennis Maddox Phone: 786-552-8150	Contract S-650 Installation of 48" Force Main from Pump Station 8 P4(B) to Pump Station NT-10(B) & 16" interconnect Force Main	Project consist of installation of approx 10,200 LF of 48" PCCP and 100 LF of 48", 100 LF of 20" and 50LF of 16" DIP & fittings, connections to existing Force Mains, installation of plug valves, construct by Jack & Bore method under the CSX RR & the NW 42nd St connector, a subacquious crossing of the Opa Locka Canal, cleaning/testing and paving	Original Contract: $1,893,064.50 Final: $1,545,852.62 Days: 135	NTP: 2/3/97 Start: 12/9/1996 Completion: 12/1/1997
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact: John Chorlog Phone: 786-552-8150	Contract S-633 PH 1 REV	Installation of 1,600 LF of 120" I.D. PCCP, fittings & 1 120" butterfly valve & a flow meter vault. Installation of 120' line required crossing beneath an active 108" I.D. outfall pipeline. This required 18" augercast piles to support steel framework & slings for support for exist 108" pipe, excav. & install in the wet the 120" ID PCCP, concrete encasement & backfill. Flow meter vault constructed via cofferdam method .	Original Contract: $3,591,420.00 Final: $2,629,054.09 Days: 240	NTP: 3/10/97 Start: 4/24/1997 Completion: 6/15/1998
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact: John Chorlog Phone: 786-552-8150	Biscayne Interceptor System II Force Main Design Build Project	A microtunnel operation wherein 30" & 52" steel casing were installed to accommodate 24" and 36" DIP for a new Force Main. The entire project area transverses thru commercial industrial and residential sections of northeastern portions of Miami. The area covered was from NE 35 St & Federal Hwy to NE 77 St and NE 5 Ave (42 city blocks)	Original Contract: $2,192,000.00 Final: $2,387,000.00 Days: 90	NTP: 8/13/97 Start: 8/4/1997 Completion: 12/1/1997
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact: John Chorlog Phone: 786-552-8150	Contract S-664 72" Cross Bay Force main Rehabilitation Project extended from downtown Miami to the department's Central District Wastewater Treatment Plant on Virginia Key.	Project was to seal and/or reinforce subaqueously, 45 pipe joints and modify exist MH in the 72" Cross Bay FM. Pipeline was 15,000' long w/11 MH @ approx 1,700' apart and 1 at 2,100'. 8 of the 45 joints required continuous fillet weld to join adjacent 1/4" bell & spigot rings. The FM was taken out of service & filled with water. All work accomplished under water.	Original Contract: $671,000.00 Final: $671,261.50 Days: 180	NTP: 8/21/97 Start: 9/23/1997 Completion: 1/1/1998

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Owner/Address Contact/Phone/Fax	Project Name	Project Scope	Contract Amount Original Contract/Final No. of Days	Dates
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact: John Chorlog Phone: 786-552-8150	S-642 North River Drive Interceptor, North West branch. Slip Lining of existing 60" diameter & 54" diameter from Pump Station No. 1 to the NW branch.	Project was for rehabilitation of approx 7,925 LF of 54 thru 60 inch diameter sanitary interceptor sewers by slip lining and rehab of appurtenance MH w/in the City of Miami. Included was cleaning, rehabilitation of MH's & siphon lines, removal of sanitary sewage materials as required along w/ all other appurtenance & Miscellaneous items and work.	Original Contract: $3,411,315.00 Final: $3,106,745.00 Days: 270	NTP: 3/11/98 Start: 3/13/1998 Completion: 12/15/1998
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact: John Chorlog Phone: 786-552-8150	S-633 Phase II Central District Wastewater Treatment Plant Replacement of Off-Shore Outfall Pipeline	Construction of 120" treated effluent pipeline to replace existing 90" dia pipeline & connect existing Ocean outfall extension that discharged approx 3 mi. offshore into Atlantic Federal waters E of Virginia Key. Proposed outfall buried pipeline paralleled the existing outfall, but approx. 100' N of it. Outfall extended approx 4,400 LF from the shoreline to connect exist 120" outfall.	Original Contract: $18,865,505.00 Final: $18,764,485.00 Days: 730	NTP: 3/1/98 Start: 3/1/1998 Completion: 9/29/2000
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact: John Chorlog Phone: 786-552-8150	ER 15115 Emergency - Furnish and install 54-inch prestressed concrete water main in NW 37th Avenue and NW 36th Street	Furnish and install approximately 220 LF of 54-inch prestressed concrete pipe, fittings and valves and making the interconnection to an existing 12-inch water main.	Original Contract: $280,500.00 Final: $280,500.00 Days: ASAP	NTP: 4/13/98 Start: 4/1/1998 Completion: 5/1/908
Ft. Lauderdale-Hollywood Int'l Airport Rep: Williams Hatfield Stoner	Contract: Terminal Area #2 Terminal Area Stormwater Outfall System Construction Contract #2 Proj area was Taxilane D & apron taxilane T btwn taxilane connectors T-6&T-8 on W & S side of terminal	Construct underground drainage system to replace exist ditch system. Accomplished by installation fo 2500 LF of RCP ranging in sizes of 96" down to 15". Over half of the footage installed owas 96". Also constructed related drainage structures w/ modification to pollution control struct. & other control systems.	Original Contract: $1,224,725.00 Final: $1,143,509.84 Days: 150	NTP: 8/31/98 Start: 8/31/1998 Completion: 2/12/1999
City of Key West 627 Palm Avenue Key West FL 33040 Contact: Joe Castronova, P.E. 305-293-6414	Task Order #2-97 Construction of Sanitary Sewer Rehabilitation for Service District A, City of Key West	Replacement of approximately 24,100 ft of gravity sewers from 8" to 24" diameter, new lined manholes of various depths and approximately 12,000 LF of new sewer service laterals and associated appurtances.	Original Contract: $5,149,690.00 Final: $7,464,895.50 Days: 450	NTP: 7/14/98 Start: 7/16/1998 Completion: 9/11/2000

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Owner/Address Contact/Phone/Fax	Project Name	Project Scope	Contract Amount Original Contract/Final No. of Days	Dates
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact: Steve Levy Phone: 786-552-8150	ER 15220 Installation of 54-inch P.C.C.P. Water Main in NW 62nd Street from West 2nd Avenue to East 4th Avenue (In the City of Hialeah)	Installation of approximately 4,193 LF of PCCP water main. Project also included Furnishing and installing a 48 x 36 inch tapping saddle & 36" inch tapping valve, making connections to existing mains, cleaning testing & disinfecting the mains, asphalt paving repairs.	Original Contract: $2,493,272.00 Final: $2,281,099.45 Days: 150	NTP: 11/02/98 Start: 1/11/1999 Completion: 5/18/1999
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact: Steve Levy Phone: 786-552-8150	ER. 46545 Pump Station Improvement Program, Canal Crossing NL-367, NW 191st Street Carol City Fl.	Project consisted of furnish & installing an overhead crossing of a 16" FM over the Carol City Canal "A" at NW 191st Street. Also included is the removal & abandonment of the existing 8" WM crossing, making connections to 16" FM cleaning testing as required.	Original Contract: $162,000.00 Final: $179,723.00 Days: 30	NTP: 12/16/98 Start: 3/1/1999 Completion: 6/4/1999
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact: Steve Levy Phone: 786-552-8150	Contract: SL 502 Country Walk Relief Force Main	Furnish & Install 5500 LF of 20" DIP and 20 LF of 16" DIP w/all valves, fittings etc. This work will result in the construction of a new FM along SW 137 Ave from SW 152 St to SW 136 St as part of MDWASD epts. FM system. Project area required Jack & boring under existing RR lines and direct Coordination with FDOT.	Original Contract: $1,282,915.00 Final: $1,147,078.03 Days: 150	NTP:1/27/99 Start: 3/4/1999 Completion: 4/23/1999
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact: Steve Levy Phone: 786-552-8150	Contract: ER 67218 Directional Drill of 16-inch H.D.P.E. Pipe Crossing State Road 836, West of Lejeune Rd.	Directional drill & construct approximately 685 LF of 16" HDPP pipe crossing under SR 836 & construct approx 350 LF of 12" DIP connecting to existing FM & constructing ARV assemblies w/manhole frames & covers. Also installed (2) 12" plug valves made connections to existing mains, clean/test the mains, temp & perm paving. Repairs to Exist driveways & curbs.	Original Contract: $354,073.00 Final: $295,837.74 Days: 45	NTP: 1/28/99 Start: 2/15/1998 Completion: 4/2/1999
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact: Steve Levy Phone: 786-552-8150	Contract S-684 Countywide Annual Contract for Removal and Replacement sanitary sewer gravity mains	Removal/Replacement of approx 70,500' fo existing 6" thru 24" gravity sewer mains & laterals on a full reach or point repair basis. Replacement was with new 6" thru 12" PVD C900 pipe or new 6" thru 24" DIP & fittings. Project also included modifying sewer MH as necessary, reconnect existing service laterals, pavement restoration. Work included by-pass pumping	Original Contract: $5,518,290.00 Final: Days: 365	NTP: 3/18/99 Start: 4/13/1999 Completion: 2/24/2000

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Owner/Address Contact/Phone/Fax	Project Name	Project Scope	Contract Amount Original Contract/Final No. of Days	Dates
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact: Steve Levy Phone: 786-552-8150	Contract ER67150 Emergency Repairs to Pump Station 838 at 11911 SW 109th Avenue	Upgrade Pump Station 838 including construction of precast concrete wet well & valve Pit structures & control cabinet for pumps electrical control. Project also included demolition & modification work, installation of DI gravity sewer and force mains, connection to existing mains, temp & perm paving repairs	Original Contract: $465,770.00 Final: $375,635.00 Days: 120	NTP: 1/27/99 Start: 4/19/1999 Completion: 8/4/1999
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact: Steve Levy Phone: 786-552-8150	Contract ER46694 - FM SL 844 Pump Station Improvement program for Miami-Dade Water & Sewer Department Force Main SI-84, ER No. 46694	Installation of approx 2,175' of 12" DI Force Main, 8" ad 10" main. Work included tapping for existing mains, cutting tees into existing asbestos cement and cast iron mains, cleaning/testing mains, pavement restoration.	Original Contract: $258,815.50 Final: $265,236.86 Days: 120	NTP: 3/22/99 Start: 3/1/1999 Completion: 2/29/2000
City of Key West 627 Palm Avenue Key West FL 33040 Contact: Joe Castronova, P.E. 305-293-6414	Task Order #7-97 District B Construction of Sanitary Sewer Rehabilitation for Service District B	Project consisted of items of work required for the replacement of approx 27,600' of gravity sewers from 8" to 24", new lined manholes of various depths and approx 18,500 LF of newer service laterals and assoc. appurtenances, 3,700' of 4" to 12" Water main, 1,000' of 24" storm sewer and 70,000 SF of sidewalk replacement.	Original Contract: $8,143,883.00 Final: $7,649,040.59 Days: 480	NTP: 4/26/99 Start: 4/26/1999 Completion: 9/22/2000
Miami Dade Water & Sewer Authority 3072 SW 38th Avenue Miami FL 33146 Contact: Steve Levy Phone: 786-552-8150	Contract ER46676 & ER 15085 Relocation of Water & Sewer facilities in SR 5 (Biscayne Blvd. & NE 203rd St) 20" & 30" Force Mains 16" & 12" Force Mains	Relocate water & sewer facilities, construct approx 1082 LF of 3", 1,285 LF of 20", 148 LF of ;8" and 64 LF of 6" DIP & fittings for FM's, approx 1,968 LF of 16", 519 LF of 12" & 33 LF of 6" DIP & fittings for force mains. Install 3 30" flanged plug valves, 4 16" butterfly valves, 16 ARV Assembly, demolish exist aerial & construct 20" subaqueous crossing at Oleta River, paving.	Original Contract: $1,871,442.50 Final: $1,725,597.84 Days: 90	NTP: 4/15/99 Start: 5/3/1999 Completion: 1/24/2000
Florida Department of Transportation 605 Suwannee Street Tallahassee FL Contact:	FAP No. 4731 018P Financial Proj No. 227902 1 52 01 and 227902 1 56 on the job training SR 834 Sample Road	Project consisted of Reconstruction, widening, milling, resurfacing signalization, lighting landscaping a& utility work on SR 834 (Sample Road) from a point west of SR 845 (Powerline Road) to Military Trail, in Broward County for approximately 1.1 miles.	Original Contract: $6,426,550.30 Final: $7,558,687.13 Days: 420	NTP: 11/1/99 Start: 11/1/1999 Completion: 9/9/2000

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Owner/Address Contact/Phone/Fax	Project Name	Project Scope	Contract Amount Original Contract/Final No. of Days	Dates
Florida Department of Transportation 605 Suwannee Street Tallahassee FL Contact:	Contract 20560 City of Miami Beach Cleveland Road Bridge Replacement	Project included removal of existing 30' wide by 65' long, three span Cleveland Road Bridge & Associated support structures. Construct a new 44" wide by 65' long single span bridge, replacing previously removed bridge.	Original Contract: $4,852,765.00 Final: $7,558,687.00 Days: 220	NTP:10/25/99 Start: 10/25/1999 Completion: 9/8/2000
Broward County OES 2555 W Copans Road Pompano Beach FL Contact: Patrick MacGregor, PE Phone: 954-831-0904	Contract P699177CF Central County Neighborhood Improvement Project 35th Avenue Ditch & Force Main Bid. Pack No. 3	Construct a box culvert w/ outfall structure, sanitary force main, jogging trail, miscellaneous associated drainage, roadway, sidewalk and landscaping improvements and related work. Project located east of 35th Avenue and along NW 8th Street between Broward Boulevard & Sunrise Boulevard East of SR 7	Original Contract: $4,852,765.00 Final: $5,112,791.80 Days: 350	NTP: 1/5/00 Start: 8/16/2000 Completion: 6/1/2001
City of Miramar 2300 Civic Center Place Miramar FL 33025 Contact: Dale Hime 954-472-1377	City of Miramar West WWTP Phase I Expansion and East Access Roadway	All east access roadway construction complete including permit, sheeting preconstruction survey, as built survey and canal cross sections.	Original Contract: $980,000.00 Final: $1,052,864.37 Days: 120	NTP: N/A Start: 3/0400 Completion: 11/22/2000
PAWA-PS&S JV/Paulus, Sokolowski and Sartor, Inc. Miami, FL Contact: Tom Farina Phone: 561-989-5435	Contract S-728 for Miami-Dade Water & Sewer Dept - 7th Avenue Sewer Corridor Project	Installation of gravity sewers on 7th Avenue also known as SR 441 from 119th St NW on the north to Little River Canal (88th Street NW) on the South. It also includes lateral sewers on side streets and a Force Main on 7th Ave and E on 111th St NW to North Miami Avenue. Four pumping stations are included in the work.	Original Contract: $6,149,700.00 Final: $6,232,975.00 Days: 240	NTP: 1/4/00 Start: 6/2/2000 Completion: 9/25/2001
City of Key West 627 Palm Avenue Key West FL 33040 Contact: Alan Perez, PE 305-293-6414	Sewer System Rehabilitation for Service District DA Key West FL	Project consists of items of work required for replacement of approx 28,000' of gravity sewers from 8" to 18" in diameter, new lined manholes of various depths and approximately 12,000 LF of new sewer service laterals, 1600 LF on 10" Force Main and associated appurtenances.	Original Contract: $7,080,129.00 Final: $5,010,379.00 Days: 450	NTP: 4/20/00 Start: 6/14/2000 Completion: 1/14/2002

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Owner/Address Contact/Phone/Fax	Project Name	Project Scope	Contract Amount Original Contract/Final No. of Days	Dates
Palm Beach County WUD Forest Hill Boulevard West Palm Beach Fl Contact: Greg Balicki, PE Phone 561-641-3429	Contract: WUD 99-114 State Road 7 from Clint Moore Road to Atlantic Avenue (SR806) 42" Water Main Extension	Furnish and install approximately 18,250 LF of 42" transmission main including all valves, hydrants, fittings, specials, appurtenances, aerial crossings, open cut road crossings, clearing, grubbing, restoration etc and all incidental work thereto.	Original Contract: $3,186,020.00 Final: $1,605,689.52 Days: 90	NTP: 5/3/00 Start: 5/15/2000 Completion: 10/23/2000
Miami Dade Water & Sewer Dept 3071 SW 8th Avenue Miami FL Contact: John Chorlog, PE Phone: 786-552-8150	Contract W-789 54" PCCP Water Main	Installation of 54 Inch PCCP Water min from Okeechobee Road to NW North River Drive	Original Contract: $1,849,637.00 Final: $1,945,759.00 Days: 180	NTP: 9/14/00 Start: 3/7/2001 Completion: 9/30/2001
Florida Department of Transportation 605 Suwannee Street Tallahassee FL Contact:	Contract 20946 SR 5 Broadway	Improvements under contract consist of reconstruction, milling installation of new water mains sanitary sewer system, drainage, resurfacing, signalization, lighting, landscaping and utility adjustments on SR 5 (Broadway Avenue from North wood Road to 59th Street in Palm Beach County	Original Contract: $13,897,008.00 Final: $15,349,801.00 Days: 1100	NTP: 1/3/01 Start: 1/8/2000 Completion: 12/4/2003
Miami Dade Water & Sewer Dept 3071 SW 8th Avenue Miami FL Contact: John Chorlog, PE Phone: 786-552-8150	Contract W-788R Installation of 54" PCCP Water Main in Okeechobee Road from Hialeah Water Treatment Plant to SE 8th Street	Install approx 6,900' of 54" PCCP fro WM, approx 690' of 48" DIP and fittings, butterfly valves, a venturi meter inside the water treatment plant, relocate WM & sludge lines of various connections to exist main, construct modifications to existing canal crossing, ARV's., paving repairs.	Original Contract: $3,688,337.80 Final: $3,686,051.47 Days: 180	NTP: 1/2/01 Start: 3/1/2001 Completion: 2/6/2002
Broward County BOCC 200 N Andrews Avenue Ft. Lauderdale, FL Contact: Gary Smith PE	Bid No. L-6-00-15-CF South County Neighborhood Improvement Project Phase IV Sections 9 & 10 Bid Pack No. 9	Construct Sanitary sewer drainage, roadway, sidewalk, signage & landscaping improvements. Install over 15,000 LF of drainage pipe, 41,700 DIP various sizes for WM and 65,540 LF of water tubing connected to homes directly w/water meters. Install 48,500 LF of various size sanitary sewers 8-12" both PVD & DI. Replaced 264,326 SY of asphalt 43,336 SY new pvmt. Includes demolition of existing infrastructure.	Original Contract: $12,318,400.00 Final: $12,152,903.00 Days: 630	NTP: 3/26/01 Start: 4/15/2001 Completion: 9/30/2003

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Owner/Address Contact/Phone/Fax	Project Name	Project Scope	Contract Amount Original Contract/Final No. of Days	Dates
Broward County OES 2555 W Copans Road Pompano Beach FL Contact: Patrick MacGregor, PE Phone: 954-831-0904	Contract Q-6-00-151-CF Riverland Village, Neighborhood Improvement Project Bid Package 2, Broward County Florida	Construction of paving, drainage, potable water main, sanitary sewer, sidewalk, signage & landscape improvements. Specifically 11,870 LF of drainage pipe, 16,500 LF french drain, 35,200 LF of sanitary sewers, over 20,000 LF of WM Service with accompanying fittings, meters & fire hydrants, 80,000 SY of asphalt & equivalent sub grade mat'ls & 58,800 SY topsoil Includes demolition of existing infrastructure/	Original Contract: $10,411,585.00 Final: $11,571,539.00 Days: 730	NTP: 6/20/01 Start: 6/25/2001 Completion: 3/10/2005
Florida Department of Transportation 605 Suwannee Street Tallahassee FL Contact: Alaa El-Halwagy	Contract: 2259 SR 845 Powerline Road	Milling, resurfacing, widening, signing, marking, signalization & drainage improvements on SR-845/Powerline road from North of SR-834/Sample Road to North of SR-896 / SW 10th Street in Deerfield Beach FL Broward County Includes demolition of existing infrastructure.	Original Contract: $10,234,000.00 Final: $11,069,898.00 Days: 530	NTP: 1/6/02 Start: 1/6/2002 Completion: 1/15/2004
Palm Beach County WUD Forest Hill Blvd. West Palm Beach FL Contact: Joe Tanacredi Phone: 561-641-3469	Contract: WUD 01-078 West Atlantic Avenue 42" Water Main SR 7 to Hagen Ranch Road, Glen Eagles 24" Reclaimed Water Main	Furnish and install approximately 13,300 LF of 42" water main and 3,000 LF of 24" reclaimed water main	Original Contract: $2,292,596.00 Final: $2,235,206.27 Days: 180	NTP: 11/06/01 Start: 5/6/2002 Completion: 1/31/2004
Broward County BOCC 200 N Andrews Ave Ft. Lauderdale, FL Contact: Patrick Gibney, PE Phone: 954-831-0904	Bid # T-3-02-049C-F Central County Neighborhood Improvement Project No. 7 Broward Estates East	Construction of Sanitary sewer collection system, potable water distribution system, stormwater drainage, roadway, sidewalk, signage & landscaping improvements and related work. Located in Broward Estates East between NW 31st Avenue & NW 35th Avenue, North of Broward Boulevard. Includes demolition of existing infrastructure.	Original Contract: $10,172,038.39 Final: $10,157,670.73 Days: 540	NTP: 10/7/02 Start: 11/11/2002 Completion: 9/29/2004
Florida Department of Transportation 605 Suwannee Street Tallahassee FL Contact: R. Estripeaut Phone: 561-659-3680	Contract 21616 SR5 US 1 Dixie Highway	Milling and resurfacing, signalization, utility work, lighting and landscaping on SR-5 (US-1-Dixie Highway) from Palm Beach Lakes Boulevard to 25th Street Includes demolition of existing infrastructure.	Original Contract: $6,741,714.80 Final: $6,957,980.70 Days: 840	NTP: 10/11/02 Start: 5/19/2003 Completion: 9/26/2005

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Owner/Address Contact/Phone/Fax	Project Name	Project Scope	Contract Amount Original Contract/Final No. of Days	Dates
Maison Saint-Antoine LLC City of Ft. Lauderdale, Andrews Avenue Fort Lauderdale Contact: Rene Lepine Phone: 954-627-3869	Contract 9766A Progresso Village A	Installation of gravity sewer collection system/ a master lift station and force main and the Progresso collection area of City with connection to the City's sanitary sewerage system, roadway and landscaping restoration.	Original Contract: $1,433,915.00 Final: $1,567,115.00 Days: 120	NTP: 9/23/02 Start: 1/23/2003 Completion: 7/9/2003
Miami Dade Water & Sewer Dept 3071 SW 38 Avenue Miami FL 33146 Contact: John Chorlog Phone: 786-552-8142	Contract: S-751 54" Rehabilitation of Flagler St.	Replacement & rehabilitation of 54" force main interceptor from W Flagler Street and NW 72 Avenue to NW 72 Avenue to NW 67 Avenue and NW 2nd Street	Original Contract: $1,630,655.18 Final: $1,620,401.88 Days: 180	NTP: 3/10/03 Start: 6/16/2003 Completion: 8/30/2003
Florida Department of Transportation 605 Suwannee Street Tallahassee FL Contact: Jeff Daugherty Phone: 561-659-3680	Olive Avenue Palm Beach Lakes Blvd to Lakeview	The improvements under this contract consist of new construction, signing & pavement marking, signalization, landscaping & utility work on State Road 5 (Olive Avenue) from Lakeview Avenue to Palm Beach Lakes Boulevard in Palm Beach County.	Original Contract: $11,094,126.12 Final: $11,034,126.12 Days: 1150	NTP:9/15/03 Start: 9/15/2003 Completion: 8/21/2006
Miami Dade Water & Sewer Dept 3071 SW 38 Avenue Miami FL 33146 Contact: John Chorlog Phone: 786-552-8142	Miami River Crossing	Excavation, removal & disposal of 30" subaqueous water main across the Miami River Canal complete, installing 36" & 30" DIP fittings & special installation of 36" butterfly valve with manhole. Furn/operate barges & power boats connect two 30" watermain construct ARV assemblies, clean disinfect/test main, construct slab over proposed WM & all appurtenances necessary	Original Contract: $952,486.00 Final: $964,491.32 Days: 120	NTP: 5/19/03 Start: 7/7/2003 Completion: 3/25/2004
Miami Dade Water & Sewer Dept 3071 SW 38 Avenue Miami FL 33146 Contact: John Chorlog Phone: 786-552-8142	Contract S-700A-6 Upgrade Pump Station 135	Pumping system, remove existing dry well pumps, piping & a portion of dry well structure valves / fittings, connect existing force main, demolition & modification work, furnish install pump station control panel, furn & install electrical control system, landscaping and all necessary appurtenances.	Original Contract: $458,740.00 Final: $442,676.32 Days: 180	NTP: 3/3/03 Start: 6/10/2003 Completion: 7/25/2003

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Owner/Address Contact/Phone/Fax	Project Name	Project Scope	Contract Amount Original Contract/Final No. of Days	Dates
City of Key West 627 Palm Avenue Key West FL 33040 Contact: David Fernandez Phone: 305-293-6409	Pump Assisted Storm Water Drainage Wells	Installation of catch basins, storm piping, pump stations, and drainage wells for Schedule A (Patricia Street and Ashby Streets) and for Schedule B (Duval North Street)	Original Contract: $3,399,125.00 Final: $3,354,476.14 Days: 190	NTP: 5/20/03 Start: 5/20/2003 Completion: 1/20/2004
Miami Dade Water & Sewer Dept 3071 SW 38 Avenue Miami FL 33146 Contact: Norman Duncan Phone: 786-552-8142	Contract S-700A-6 ER 47383 Upgrade Sewage Pumping Station No. 1003 (E.R. 47383) Work Order B	Upgrade to Pump Station No. 1003. Improvements include cutting/removal of existing wet well top slab, demolition work, removal of pumps, electrical control panes, installation & operation of temporary by-pass operation removal of exist 25 HP submersible pumps & install wet well concrete protective coating, top slab & access hatch necessary for installation	Original Contract: $356,183.00 Final: $245,345.20 Days: 150	NTP: 6/30/03 Start: 11/30/2003 Completion: 1/27/2004
Miami Dade Water & Sewer Dept 3071 SW 38 Avenue Miami FL 33146 Contact: Norman Duncan Phone: 786-552-8142	Contract S-737 Installation of 24" Force Main at SW 184 St from East of SW 137 Avenue to East of SW 127 Avenue from East Side of SW 127 Avenue to SW 185 Terr	Construct 24" sanitary sewer Force Main. Furnish and install approx 24" & approx 100 LF of 12" DIP fittings & valves for construction of a subaqueous canal crossing w/ temp and perm paving repairs. Construct 24" Sanitary sewer force main & connect to a 20" FM & install 24" & 16" DIP, ARV. Also install 6", 8", 12", 16" & 24" DIP.	Original Contract: $2,489,736.59 Final: $2,434,285.52 Days: 300	NTP: 8/13/03 Start: 10/30/2003 Completion: 6/7/2004
Broward County OES 2555 W Copans Road Pompano Beach FL Contact: Alan Garcia , PE Phone: 954-831-0904	Contract H-3-03-070-CF North County Neighborhood Improvements Project (Southeast Quadrant) Bid Package No. 3.	Furnish and install new water distribution system and transfer existing water service to the new system within the boundaries of NE 16th Terr & NE 17 Ave along NE 33rd Street & between NE 17 Ave from NE 32 Place south to NE 30th Street Includes demolition of exisitng infrastructure.	Original Contract: $10,681,664.00 Final: $10,822,404.84 Days: 607	NTP: 9/8/03 Start: 12/10/2003 Completion: 4/4/2006
Miami Dade Water & Sewer Dept 3071 SW 38 Avenue Miami FL 33146 Contact: Alex Retamar, PM Phone: 786-551-8150	Contract: DERM01-WASD-NLE EAST Installation of 54-inch Sewer Force Main Across Southeast Opa Locka Airport	Design/build permitting, installation and startup services and activities to construct and put into service approximately 8,300 LF of 54-inch sewer force main along the South side of Opa Locka Airport just west of NW 42nd Avenue east to NW 37 Avenue then north to PS 1310	Original Contract: $4,301,480.00 Final: Days: 365	NTP: 4/24/05 Start: 9/24/2004 Completion: 4/00/05

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Owner/Address Contact/Phone/Fax	Project Name	Project Scope	Contract Amount Original Contract/Final No. of Days	Dates
Broward County OES 2555 W Copans Road Pompano Beach FL Contact: Patrick Sweet Phone: 954-831-0973	North Andrews Gardens Neighborhood Improvements Project Bid Package No.6	Installation of a new drainage system consisting of 29,170 LF of RCP drainage pipe from 15 to 24 inch diameter, and 208 drainage structures & the installation of a new water distribution system consisting of 20,6770 LF of DIP ranging from 6 to 12 inch diameter & service laterals. Install new sanitary sewer system 8 to 15 inch PVD w/ service laterals temp/perm paving	Original Contract: $9,074,190.17 Final: Days: 670	NTP: 7/12/04 Start: 7/12/2004 Completion:
Miami Dade Water & Sewer Dept 3071 SW 38 Avenue Miami FL 33146 Contact: Alex Retamar, PM Phone: 786-551-8150	JO 8336 96" Repair	Emergency repairs on existing 96" raw WM. Repairing a section of 96" embedded Concrete Pipe w/ damage to the prestressing wires and mortar, F & I specialty grout bonding agent. Encasing the repair area & adjacent harness clamp joint in concrete, excavation, dewatering, cut remove exist 16" calcium carbonate sludge main & reinstall 16" calcium carbonate sludge main.	Original Contract: $58,100.00 Final: $77,030.88 Days: NA	NTP: N/A Start: 12/6/2004 Completion: 12/14/2004
Miami Dade Water & Sewer Dept 3071 SW 38 Avenue Miami FL 33146 Contact: Norman Duncan Phone: 786-551-8150	Contract W-849 Water Main in Miami River	Relo 2 existing WM under the Miami River Canal. Construct 36"& 30" diameter DI subaqueous WM under river canal complete w/removal & disposal of existing 30" & 20" diameter cast iron WM under river & installing 36"&30" dia. Resilient wedge valves. Remove exist conc. sea wall construct install precast concrete protective slabs for canal bottom. marine traffic control w/installation of approp appurtenances.	Original Contract: $2,766,246.78 Final: $2,759,174.91 Days: 180	NTP:7/17/04 Start: 1/17/2005 Completion: 1/13/2005
Miami Dade Water & Sewer Dept 3071 SW 38 Avenue Miami FL 33146 Contact: John Chorlog, PE Phone: 786-551-8150	JO 8605 60" Force Main Repair		Original Contract: $87,331.00 Final: $76,919.00 Days: N/A	NTP: 3/27/04 Start: 3/27/2004 Completion: 4/2/2004
Broward County WWS 2555 W Copans Road Pompano Beach FL Contact: Patrick Sweet Phone: 954-831-0973	West Ken Lark Bid Pack 2 Neighborhood Improvement Program. Located in general location	Sanitary Sewer collection system, potable water distribution system, stormwater drainage, canal dredging & reshaping, reinforced concrete control structure w/operable weirs, roadway, sidewalk, signage & landscaping improvements and related work. Includes demolition of exist infrastructure	Original Contract: $10,439,066.90 Final: Days: 730	NTP:1/3/04 Start: 2/28/2004 Completion: Jun-06

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Owner/Address Contact/Phone/Fax	Project Name	Project Scope	Contract Amount Original Contract/Final No. of Days	Dates
City of Fort Lauderdale 200 North Andrews Avenue Fort Lauderdale, FL 33301 954-522-5604 Contact: Paul Bohlander	Shady Banks located in downtown Ft. Lauderdale	Installation of approximately 25,000 LF of Sanitary Sewer and 3,000 LF of Water Main, Gravity Sewers and Force Mains	Original Contract: $2,582,609.69 Final: Days: 180	NTP: 5/09/05 Start: 6/6/2005 Completion:
City of Fort Lauderdale 200 North Andrews Avenue Fort Lauderdale, FL 33301 Phone: 954-522-5604 Contact: Paul Bohlander	River Oaks/Jacobs Landing	Part of Work Orders issued at the same time of Shady Banks for installation of Water Mains, Gravity Sewers and Force Mains.	Original Contract: $576,481.21 Final: Days: 150	NTP:7/11/05 Start: 7/11/2005 Completion:
The City of West Palm Beach 1000 45th Street #15 West Palm Beach FL 33407 Phone: 561-494-1098 Contact: Brian Moree	Dixie Highway Watermain Replacement	Installation of water main on Dixie Highway from 24th Street to Bethesda Terrace	Original Contract: $162,500.00 Final: $167,500.00 Days: 45	NTP: 1/10/05 Start: 1/10/2005 Completion: 3/14/2005
PBS & J	Miami Dade Contract S608B		Original Contract: $188,450.00 Final: $181,597.04 Days: 150	NTP:3/1/05 Start: 2/16/2005 Completion: 4/13/2005
City of Miramar 2300 Civic Enter Place Miramar FL 33025 Phone 954-538-6825 Contact: Hong Guo	Miramar-South Neighborhood Improvement Project	Construction of water, sewer and drainage improvements within the City of Miramar for the area bounded by Miramar Pkwy on the N. SR 7 on the East, County Line Road on the South and SW 64 Avenue on the west, including site preparation, upgrade of lift station w/all assoc. piping fittings, valves concrete structures. Including demolition of existing infrastructure.	Original Contract: $11,740,791.00 Final: Days: 550	NTP: 6/16/05 Start: 9/19/2005 Completion:

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Owner/Address Contact/Phone/Fax	Project Name	Project Scope	Contract Amount Original Contract/Final No. of Days	Dates
Florida Dept of Transportation	Orange County 41394815201	Cured-In-Place pipe lining of dual outfall between control structures at SR 50 and Tampa Avenue	Original Contract: $331,000.00 Final: $331,000.00 Days: 30	NTP:6/8/05 Start: 6/8/2005 Completion: 7/8/2005
Miami Dade Water & Sewer Dept 3071 SW 38 Avenue Miami FL 33146 Contact: Alex Retamar, PM Phone: 786-551-8150	Contact ER 47609 24" Force Main	F&I approx 4,200 LF of 24" DIP for sewage FM & 2 24" plug valves, 1 14" plug valve & 1 8" plug ale to tap into 48 inch concrete FM f & I tapping saddle & tapping valve, cut into 14" FM F & I 14" & 8" pipe for emergency outlet discharge at PS site, Automatic ARV assemblies, Traffic control, paving, flowable fill	Original Contract: $1,141,090.00 Final: $1,097,478.24 Days: 180	NTP: 7/1/05 Start: 9/19/2005 Completion: 12/28/2005
Broward County WWS 2555 W Copans Road Pompano Beach FL Contact: Patrick Sweet Phone: 954-831-0973	Broadview Estates Bid Pack No. 1 located between NW 31 Ave & NW 35 Ave North of Broward Blvd.	Construction of Sanitary Sewer collection system, potable water distribution system, stormwater drainage, roadway, sidewalk, signage and landscaping improvements and related work. Includes demolition of existing infrastructure.	Original Contract: $13,897,356.20 Final: Days: 600	NTP: 4/10/06 Start: 5/1/2006 Completion:

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Owner/Address Contact/Phone/Fax	Project Name	Project Scope	Contract Amount Original Contract/Final No. of Days	Dates
City of Oakland Park 3650 NW 12 Avenue Oakland Park FL Contact: Harris Hamid Phone: 954-561-6257	City of Oakland Park Kimberly Lake Basin	Drainage improvements, driveway replacements, sidewalk & roadway replacement, lighting installation & street sign replacement Clearing grubbing, demolition & excavation. 4,415 LF of 72" RCP w/96 LF Jack & Bore method. Reconstruction of seawall & C13 Canal outfall. 629 LF RCP 6" & 8" WM. Fire hydrant replacement, installation of 1525 LF 15" HDPE. Landscaping	Original Contract: $5,728,370.00 Final: $5,728,370.00 Days: 539	NTP: 5/1/06 Start: 5/1/2006 Completion: 9/3/2007
Village of Wellington 1400 Greenbriar Wellington FL 33414 Contact: Ed Welielewski 561-791-4014	Water Transmission Main Extension Phase 2 Project No. 17-06/BMA	Water Transmission Main Extension . Installation of 6,200 LF of 24" (6,000' PVC and 200' DIP) Installation of Directional Bore 30" 700 LF along the C-17 Canal and 1,200 along the FPL Easement of the C-17 Canal	Original Contract: $1,486,500.00 Final: Days: 150 C Days	NTP: 8/21/06 Start: Completion:
Palm Beach County 8100 Forest Hill Blvd West Palm Beach FL 33413 Contact: Joe Tanacredi Phone: 561-493-6080	Northern Region WUD 05-061	Installation of approx 9,480 LF of 24" WM & 9,480 LF of 20" Wastewater FM including 1,200 LF of 30" WM & 1,200 LF of FM Horizontal Directional Drilling, 2 Jack & Bore installation under RR tracks 24" WM w/ 42" casing & 20" FM w/36" casing. 230 LF of 18" FM Jack & bore w/ 30" casing & 13,820 LF of 20" FM along SR-710 w/ 2 Jack & bore installations under RR tracks 20" WM w/ 36" casing & 18" FM 2/ 30" Casing and installation of 36" CMP drainage pipes along C-18 Canal .	Original Contract: $5,632,296.93 Final: Days: 270 C Days	NTP: 2/5/06 Start: 02.05.07 Completion: 09.21.07
Broward County WWC	Neighborhood Improve-ment project NW Quadrant BP No. 8	In Progress	Original Contract: $16,678,266.90 Final: Days: 730 C Days	NTP: 2/5/06 Start: Completion:
Broward County WWC	Neighborhood Improve- ment project Rock Island BP No. 3	In Progress	Original Contract: $21,083,555.75 Final: Days: 730 C Days	NTP: 2/5/06 Start: Completion:

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Pipeline Experience

A&P CONSULTING TRANSPORTATION ENGINEERS

INTRODUCTION

A&P Consulting Transportation Engineers Corp. was incorporated in January 1995. From our humble beginnings as a three-employee company providing plan production services to the Eight-District Offices of Florida Department of Transportation, we've grown into a multi-disciplinary firm with over fifteen licensed professional engineers. All of the projects shown on the following pages were completed within the past 5 years having a construction cost of more than $1,000,000.00. The list of projects demonstrates that A&P enjoys a great large deal of experience in the design of water resources projects including pipeline design.

Key Personnel:

Arnelio Alfonso, P.E.
Civil Engineering/Pipeline Design

Lazarro Ferrero, P.E.
Hydraulic Modeling

Eithel Sierra, P.E.
Water Resources

Antonio Acosta, P.E.
Civil Engineering

Engineering Disciplines:

Pipeline Design

Civil Engineering

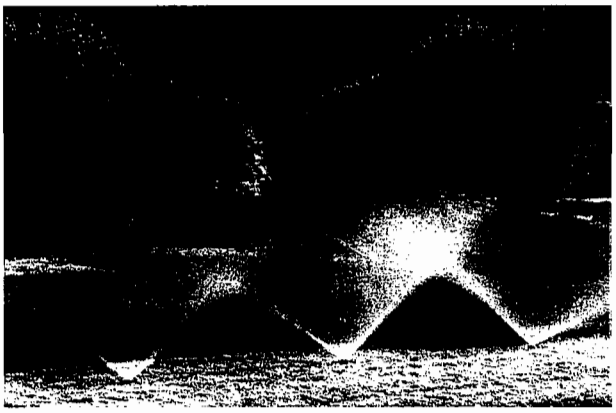
Hydraulic and Hydrologic Modeling

Water Resource Engineering

Permitting

36-inch Water Reuse transmission Pipeline from the SDWWTP located at 8930 SW 232nd Street to the Miami-Dade Metrozoo moat, Miami-Dade County, Florida

Project Location:
From the SDWWTP located at 8930 SW 232nd Street to recharge a rapid infiltration trench system located in the vicinity of the Miami-Dade Metrozoo at 12400 SW 152nd Street, Miami-Dade, Florida
Client:
Miami-Dade Water & Sewer Department
3575 S. LeJeune Road, Miami, Fl. 33233
Project Manager:
Eduardo M. Luis
Phone No.:
(786) 552-8948
Fax No.:
(786) 552-8605
email:
EMLUI01@miamidade.gov
Contract Number:
N/A
Initial/Final Contract Value:
$2,500,000.00
Initial/Final Construction Cost:
$18,000,000.00
Contract Starting Date:
May 2008
Contract Completion Date:
On-Going

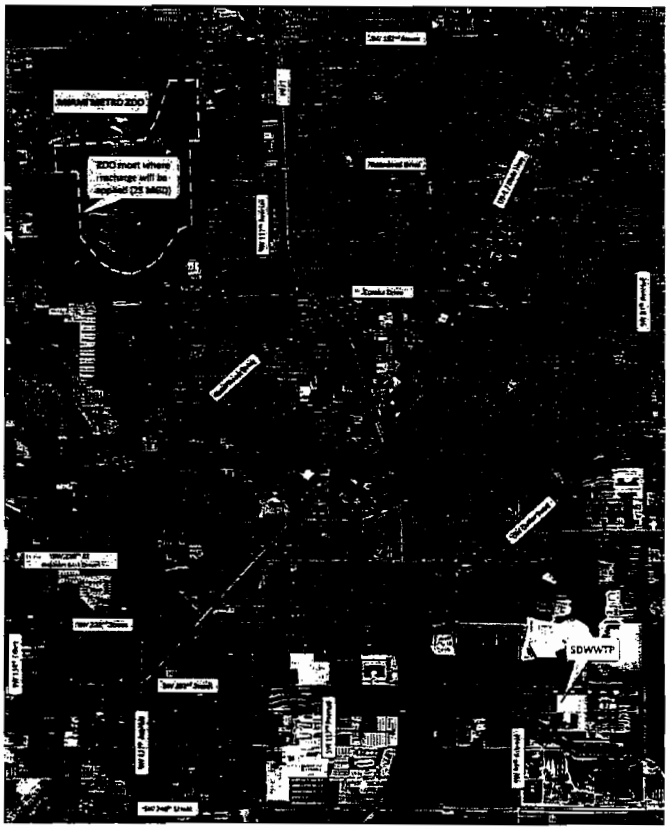


Scope of Work - The Designer of Record responsible of preparing Construction Documents (plans and technical special provisions) for M-D WASD. Miami-Dade Continues to experience rapid population growth, as it has over the last 20 years. Currently, M-D WASD provides drinking water to approximately 2.2 million customers pumped from the Biscayne Aquifer. M-D WASD is anticipating its customer base to increase to approximately 2.8 million customers by year 2030, a 25 percent increase. The resulting increase in water demand underscores the value of the Biscayne Aquifer as a water supply source for Miami-Dade, and the need to pursue additional sources. These pipeline projects are integral to moving the County towards future groundwater replenishment and the use of reclaimed water for a host of other beneficial purposes.

The scope of this project generally consists of providing professional engineering services for the design of a 36" reclaimed water transmission line from the SDWWTP located at 8930 SW 232nd Street to recharge a rapid infiltration trench system located in the vicinity of the Miami-Dade Metrozoo at 12400 SW 152nd Street. Miami-Dade County has evaluated ways to comply with water reuse requirements and has identified reliable cost-effective alternative sources of water to meet future demands. While many water reuse projects in Florida focus on golf courses and residential irrigation, development patterns and existing infrastructure in Miami-Dade County favor other alternatives like groundwater recharge and wetlands rehydration.

A&P Consulting Transportation Engineers Project Experience

The two methods for recharge under review by MDWASD are groundwater recharge by injection or by rapid infiltration trenches. Rapid infiltration trenches involve spreading reclaimed water through trenches, percolation ponds, and basins. Typically, the percolation areas are divided into multiple basins to allow for alternate loading and resting. Prior to discharging into rapid infiltration trenches, reclaimed water must comply with primary and secondary drinking water standards, high level disinfection, and Class 1 reliability (total nitrogen) in accordance with state regulations. In addition to providing additional water supplies such recharge also protects the Biscayne Aquifer from saltwater intrusion, allowing it to remain a productive source of freshwater in the future. Saltwater intrusion into the Biscayne Aquifer has resulted from increased drainage, decreased recharge, and ever increasing pumping of wells for agricultural, industrial, and municipal water supply.



A&P Consulting Transportation Engineers
10305 NW 41 Street, Suite 115, Miami, Florida 33178
Tel: (305) 592-7283 – Fax: (305) 593-1594

Key Personnel:

Antonio Acosta, P.E.
Principal-in-Charge

Arnelio Alfonso, P.E.
Project Manager

Lazaro Ferrero, P.E.
Project Engineer

Eduardo Martinez, P.E.
Electrical Engineer

Rogelio Varona, P.E.
Mechanical Engineer

Engineering Disciplines:

Civil Engineering

Hydraulic and Hydrologic Modeling

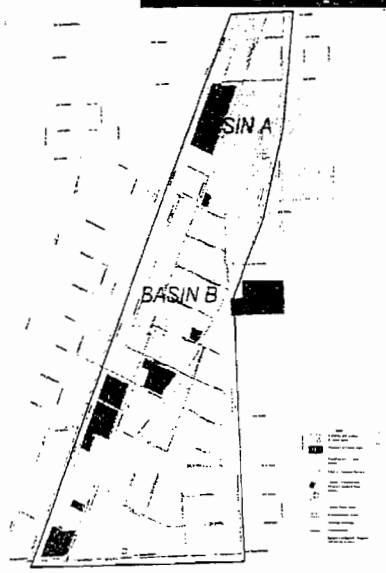
Water Resource Engineering

Permitting

Pump Station Design

Pump Station Electrical Design

Water and Sewer Improvements for Perrine Cutler Ridge
Miami-Dade County, Florida



Project Location:
Project area bounded by: SW 168th Street to the north/ SW 184th Street to the south/ SW 97th Avenue and US-1 Northbound to the east; SW 96th Court, Cleveland Avenue to the west.
Client:
Miami-Dade Water & Sewer Department
3575 S. LeJeune Road, Miami, Fl 33233
Project Manager:
Reynaldo Abreu
Phone No.:
(786) 552-8161
Fax No.:
(786) 552-8605
email:
RJABR01@miamidade.gov
Contract Number:
S 0481895048190
Initial/Final Contract Value:
$1,600,000 / On-going
Initial/Final Construction Cost:
$1,600,000/
Contract Starting Date:
February 2007
Contract Completion Date:
On-going

Scope of Work – This project consists of undersized water mains, old water mains and in some cases no water mains in the project area. The area is commercial, industrial and residential, and mostly served by undersized water mains or private wells. The installation of approximately 14,000 LF of 12-in WM, 2,700 LF of 16-in WM. The upgrade will provide fire protection and improve pressures to the neighbouring commercial, industrial and residential properties in the project area.

A vast majority of the area is served by septic tanks, private lift stations and in some cases public sanitary sewer systems. The M-D WASD has proposed a sanitary sewer system that will serve the entire area. The existing public and private lift stations will be taken of line and the flows will be routed to the new system. This will eliminate the need to maintain the smaller public and private lift stations in the area, which in turn is a savings to the owner.

The project will be divide into three Basins and it serves an area of approximately 181 acres. Basin A will proposed to replace Pump Station 751 with a larger Pump Station. Basin B is proposed to have a new pump station on the property fronting Holcomb Avenue, Hibiscus Street and US-1 (Northbound). Basin C Pump Station 531 will need to be upgraded from its current average daily flow of 30 GPM to Approximately 65 GPM. As well as 1,250 LF of 8-in FM, 4,300 LF of 12-in FM, 21,000 LF of 8-in FM, 2,750 LF of 8-in GS and 2,250 LF of 8-in GS.

A&P Consulting Transportation Engineers Project Experience

Key Personnel:

Antonio Acosta, P.E.
Civil Engineering

Eithel Sierra, P.E.
Civil Engineering/Pipeline Design

Arnelio Alfonso, P.E.
Hydraulic Modeling

Lazaro Ferrero, P.E.
Water Resources

Engineering Disciplines:

Civil Engineering

Hydraulic and Hydrologic Modeling

Water Resource Engineering

Permitting

30-inch Water Main along S.R. 90 / Tamiami Trail / S. W. 8th Street at S.R. 826 / Palmetto Expressway Interchange, Miami-Dade County, Florida

Project Location:
S.R. 90 / Tamiami Trail / S. W. 8th Street at S.R. 826 / Palmetto Expressway Interchange
Miami-Dade, Florida
Client:
Miami-Dade Water & Sewer Department
3575 S. LeJeune Road, Miami, Fl 33233
Project Manager:
Carlos E. Benavides
Phone No.:
(305) 740-4481
Fax No.:
(305) 669-7740
email:
cbena01@miamidade.gov
Contract Number:
N/A
Initial/Final Contract Value:
$196,408.71/$196,408.71
Initial/Final Construction Cost:
$4,200,000.00
Contract Starting Date:
February 2001
Contract Completion Date:
January 2002

Scope of Work - The Designer of Record responsible of preparing Construction Documents (plans and technical special provisions) as part of a JPA between FDOT and M-D WASD. This project included the relocation of 985 L.F. of 30-inch Ductile Iron Water Main Transmission along S.R. 90 / Tamiami Trail / S. W. 8th Street at S.R. 826 / Palmetto Expressway Interchange.

As a result of FDOT proposed roadway improvements at the North Bound Off-Ramp Interchange and widening of the existing Coral Gables Canal Bridge, the existing 30-inch cast iron pipe aerial crossing needed to be relocated to the North side of the bridge. Consequently, 110 L.F. were constructed to cross the canal via subaqueous and the additional 875 L.F. were relocated under the pavement to provide the 48 inches minimum cover because of the proposed roadway grade along S.R. 90 was lowered 18 inches from the existing grade.

Project also included developing and coordinating sequence of construction of the water main relocation with the progression of the roadway work using special MOT along S.R. 90. During construction, APCTE also provided Post Design Services and Support.

A&P Consulting Transportation Engineers
10305 NW 41 Street, Suite 115, Miami, Florida 33178
Tel: (305) 592-7283 – Fax: (305) 593-1594

A&P Consulting Transportation Engineers Project Experience

Key Personnel:

Antonio Acosta, P.E.
Civil Engineering

Alexander Yi, P.E.
Civil Engineering

Arnelio Alfonso, P.E.
Hydraulic Modeling

Lazaro Ferrero, P.E.
Water Resources

Nelson V. Perez, P.E.
Construction Administration

Engineering Disciplines:

Civil Engineering

Hydraulic and Hydrologic Modeling

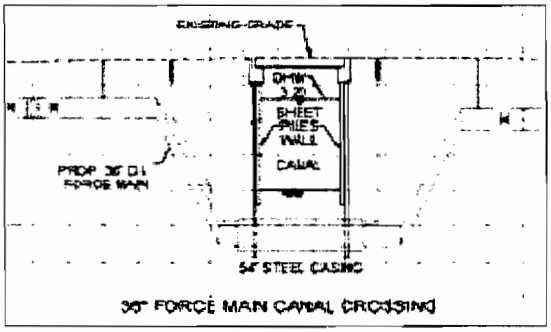
Water Resource Engineering

Permitting

Construction Management

N.W. 25th Street – 36-inch F.M.
Miami-Dade County, Florida

Project Location:
N.W. 25th Street from NW 89th Court to SR-826
Miami-Dade, Florida
Client:
Miami-Dade Water & Sewer Department
3575 S. LeJeune Road, Miami, Fl 33233
Project Manager:
Carlos E. Benavides
Phone No.:
(305) 740-4481
Fax No.:
(305) 669-7740
email:
cbena01@miamidade.gov
Contract Number:
251185-1-56-01
Initial/Final Contract Value:
$146,595.60 / $146,595.60
Initial/Final Construction Cost:
$813,807.46
Contract Starting Date:
January 2005
Contract Completion Date:
May 2005



Scope of Work - The following was included in the design and preparation of construction documents (plans and specifications) as part of a JPA between FDOT and M-D WASD:

- Relocate 1,200 L.F. of 36" DIP FM, crossing the canal at NW 79th Avenue then along NW 25th Street to 300 feet east of NW 82nd Avenue
- Reposition 700 L.F. of gravity sewer
- Relocate 170 L.F. of 16" W.M.
- Transfer and Replace 8" W.M. crossing the canal at N.W. 75th Avenue with approximate 170 L.F. of 12" D.I.P.
- Replace 8" W.M. along N.W. 25th Street with approximately 2,500 L.F. of 16" D.I.P
- Reposition approximately 50 L.F. of 24" W.M. to avoid conflict with the foundation for the elevated road.

Checklist of the following types of Construction encountered, if applicable:

- ☑ Traffic Control
- ☐ Maintenance of access for pedestrians to businesses or residences
- ☑ Underground utility construction
- ☐ Erosion control and storm water pollution prevention measures
- ☐ Drainage collection and/or disposal system
- ☐ Irrigation systems
- ☐ Landscape planting
- ☐ Other: List as may apply

A&P Consulting Transportation Engineers
10305 NW 41 Street, Suite 115, Miami, Florida 33178
Tel: (305) 592-7283 – Fax: (305) 593-1594

Key Personnel:

Antonio Acosta, P.E.
Civil Engineering

Carlos M. Gil-Mera, P.E.
Utility Master Plan

Arnelio Alfonso, P.E.
Hydraulic Modeling /
Pump Station Design

Lazaro Ferrero, P.E.
Water Resources

Nelson V. Perez, P.E.
Construction Administration

Jorge Manso, P.E.
Construction Administration

Engineering Disciplines:

Civil Engineering

Hydraulic and Hydrologic Modeling

Water Resource Engineering

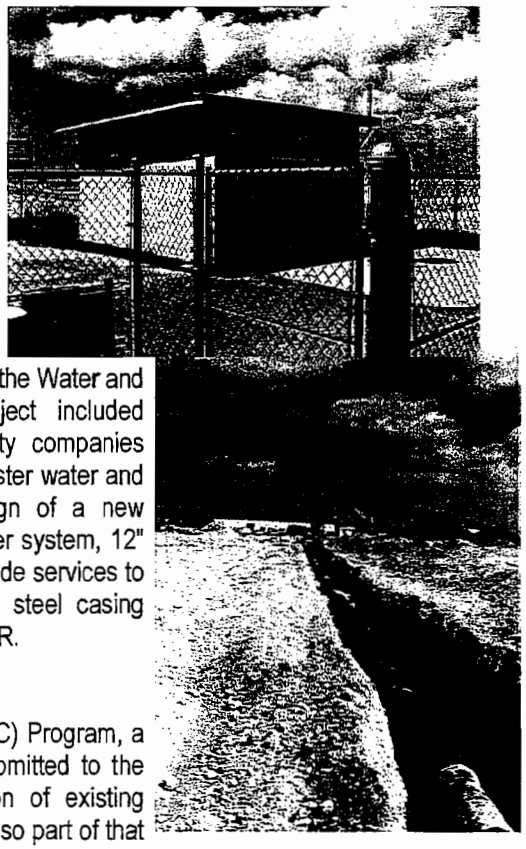
Permitting

Construction Management

MIC Water & Sewer Improvement Program
Miami-Dade County, Florida

Project Location:
Miami Intermodal Center, from SR-836 in the south to NW 36 St. in the north and from LeJeune Rd in the west to NW 37 Ave. in the east, Miami-Dade, Florida

Client:
Florida Department of Transportation District VI
1000 N.W. 111th Avenue, Miami, Fl 33178
Project Manager:
Adolfo Fassrainer
Phone No.:
(305) 470-5879
Fax No.:
(305) 470-6725
email:
adolfo.fassrainer@dot.state.fl.us
Contract Number:
249643-1-56-01
Initial/Final Contract Value:
$182,766 / $182,766
Initial/Final Construction Cost:
$10,520,000.00 / 10,940,800.00
Contract Starting Date:
November 2001
Contract Completion Date:
May 2003

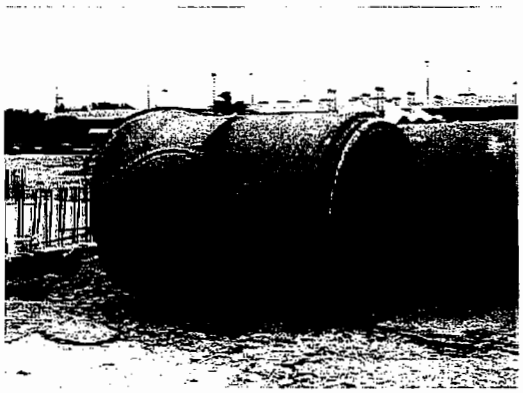


Scope of Work - Responsible for preparing the Water and Sewer Improvement Program. This project included coordination with MD-WASD and all utility companies present in the area in order to design a master water and sewer system which included the design of a new regional lift station (PS 101), a gravity sewer system, 12" force main and 24" water main that will provide services to the future Rental Car Facility and a 30" steel casing installed by microtunneling under the CSX RR.

Project Description
As part of the Miami Intermodal Center (MIC) Program, a Utility Master Plan was developed and submitted to the different agencies for approval. Relocation of existing water and sewer lines in the MIC area are also part of that utility improvement program. FDOT have discussed in detail, with MDWASD the proposed water and sewer improvements related to the construction of the Rental Car Facility (RCF), which is an important element of the MIC Program.

A&P Consulting Transportation Engineers
10305 NW 41 Street, Suite 115, Miami, Florida 33178
Tel: (305) 592-7283 – Fax: (305) 593-1594

A&P Consulting Transportation Engineers Project Experience



Existing Pump Station 101 is owned by MDWASD and was located in the future RCF site. The proposed location of the new Pump Station 101 is at the north east of the proposed building (southwest corner of the 25th ST and 38th CT intersection). This pump station will was electric generator and was designed for the sanitary demands of the RCF, the area north of NW 25th ST and Wyndham Hotel. Flow generated by the future development of the MIC Core will be also handled by this facility.

The existing sanitary gravity system south of NW 25th ST will be abandoned. Properties located north of 25th ST will continue discharging into the existing sanitary system. Flows generated by the new RCF building will be collected via a gravity system that discharges into a manhole located just west of the new PS 101. The existing sanitary sewer north of 25th ST will also be connected to that manhole, which will discharge into the new pump station. A new sanitary sewer will be located on NW 38th CT from 21st ST to the relocated Pump Station 101. This new line will take care of the flows generated by Wyndham Hotel and Rinker Materials. A new 12" force main will connect the new Pump Station 101 to the existing 20" force main at the NW 21st ST and NW 38th CT intersection. This connection is just 150 feet east of the existing point of connection from existing PS 101 to the same 20" force main, thus existing conditions are maintained.

Checklist of the following types of Construction encountered, if applicable:

- ☑ Traffic Control
- ☐ Maintenance of access for pedestrians to businesses or residences
- ☑ Underground utility construction
- ☑ Erosion control and storm water pollution prevention measures
- ☑ Drainage collection and/or disposal system
- ☐ Irrigation systems
- ☐ Landscape planting
- ☐ Other: List as may apply

A&P Consulting Transportation Engineers
10305 NW 41 Street, Suite 115, Miami, Florida 33178
Tel: (305) 592-7283 – Fax: (305) 593-1594

Key Personnel:

Antonio Acosta, P.E.
Civil Engineering

Carlos M. Gil-Mera, P.E.
Civil Engineering

Arnelio Alfonso, P.E.
Hydraulic Modeling

Lazaro Ferrero, P.E.
Water Resources

Engineering Disciplines:

Civil Engineering

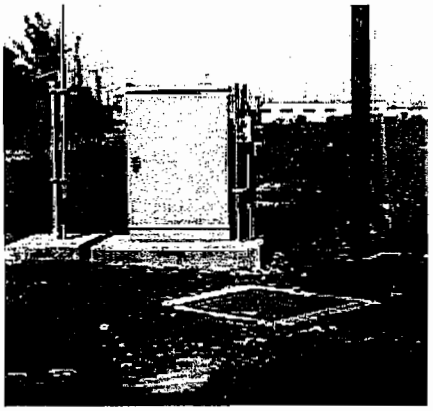
Hydraulic and Hydrologic Modeling

Water Resource Engineering

Permitting

City of Miami Springs – 24-inch F.M. Relocation
Miami-Dade County, Florida

Project Location:
N.W. 37th Avenue from NW 25th St. to NW 28th St.
Miami-Dade, Florida
Client:
City of Miami Springs
345 N. Royal Ponciana Blvd., Miami, Fl 33166
Project Manager:
Denise Yoezle
Phone No.:
(305) 805-5170
Fax No.:
(305) 805-5176
email:
yoezled@miamisprings-fl.gov
Contract Number:
406800-3-56-02
Initial/Final Contract Value:
$85,083.32 / $85,083.32
Initial/Final Construction Cost:
$588,391.04 / $563,458.56
Contract Starting Date:
September 2003
Contract Completion Date:
April 2004



Scope of Work - Designer of record to Prepare Construction Documents (plans and specifications) for the relocation of an existing 24-in Force Main that serves the City of Miami Springs and was in conflict with the CXS Railroad. The project included the installation of 1,892 L.F. of 24-in D.I. Force Main, 24-in Plug Valves, 24-in Tapping Sleeves and 24-in Tapping Valves and 24-in Line Stop Valve. The project also included the relocation of the sewer meter P-10, located at the intersection of NW 25 ST and NW 37 Ave and a well coordinated sequence of construction to relocate the sewer meter without affecting the sewer services to the entire City of Miami Springs.

Checklist of the following types of Construction encountered, if applicable:

- ☑ Traffic Control
- ☐ Maintenance of access for pedestrians to businesses or residences
- ☑ Underground utility construction
- ☐ Erosion control and storm water pollution prevention measures
- ☑ Drainage collection and/or disposal system
- ☐ Irrigation systems
- ☐ Landscape planting
- ☐ Other: List as may apply

Key Personnel:

Antonio Acosta, P.E.
Civil Engineering

Carlos M. Gil-Mera, P.E.
Project Manager

Arnelio Alfonso, P.E.
Hydraulic Modeling

Lazaro Ferrero, P.E.
Water Resources

Nelson V. Perez, P.E.
Construction Administration

Juan C. Velasquez
Senior Inspector

Engineering Disciplines:

Civil Engineering

Hydraulic and Hydrologic Modeling

Water Resource Engineering

Permitting

Construction Management

Washington Avenue Improvements
Phases II, IV & V
Miami-Dade County, Florida

Project Location:
Washington Ave. From 5th Street to Lincoln Rd.
Miami Beach, Florida
Client:
City of Miami Beach Florida
Capital Improvements Project Office
1700 Convention Center Dr.
Miami Beach, Florida
Project Manager:
Charles Carreno, P.E.
Phone No.:
(305) 532-9292
Fax No.:
(305) 534-8887
email:
ccarreno@hazenandsawyer.com
Contract Number:
22-02/03-04/04
Initial/Final Contract Value:
$1,300,000 / Ongoing
Initial/Final Construction Cost:
$12,104,429 / Ongoing
Contract Starting Date:
April 2004
Initial/Final Completion Date:
May 2005 / May 2006

Scope of Work - Designer of record for this Design-Build Project. Prepare construction documents (plans and specifications) for the following improvements: milling & resurfacing, new gravity drainage wells, sanitary sewer capacity improvements which consist of pipe/manhole up-sizing, water main upgrades, relocation of water meters/meter boxes, new decorative lighting system, landscape and irrigation upgrades, replacement of curb & gutter and sidewalk from 11th St. to 16th St., design of intersection bumps-outs, compliance with ADA requirements, modification of parking space layout, relocation of existing utilities, coordination with the CMB Parking Department to remove and reinstall parking meter heads and parking signs, & signature median improvements from 5th St. to 6th St., between 16th to Lincoln Rd. and along Lincoln Rd from Washington Ave to Collins Ave. Also responsible for the office administration construction progress activities related to the construction of this right-of-way improvement project. Some of the construction management services provided for this project included:

- Weekly construction meeting/coordination to monitor
- Perform all shop drawing program functions
- Respond to request for information (RFI's)
- Evaluate Request for changes to project schedules
- Contract documents clarifications

A&P Consulting Transportation Engineers Project Experience

- Inspect all MOT operations
- Review, track and maintain construction schedules

Checklist of the following types of Construction encountered, if applicable:

- ☑ Traffic Control
- ☐ Maintenance of access for pedestrians to businesses or residences
- Underground utility construction
- Erosion control and storm water pollution prevention measures
- Drainage collection and/or disposal system
- Irrigation systems
- Landscape planting
- Other: List as may apply

A&P Consulting Transportation Engineers
10305 NW 41 Street, Suite 115, Miami, Florida 33178
Tel: (305) 592-7283 – Fax: (305) 593-1594

Key Personnel:

Carlos M.Gil-Mera, P.E.
Principal-in-Charge

Alex Yi, P.E.
Project Manager

Arnelio Alfonso, P.E.
Project Engineer

Lazaro Ferrero, P.E.
Project Engineer

Eduardo Martinez, P.E.
Electrical Engineer

Rogelio Varona, P.E.
Mechanical Engineer

Engineering Disciplines:

Civil Engineering

Hydraulic and Hydrologic Modeling

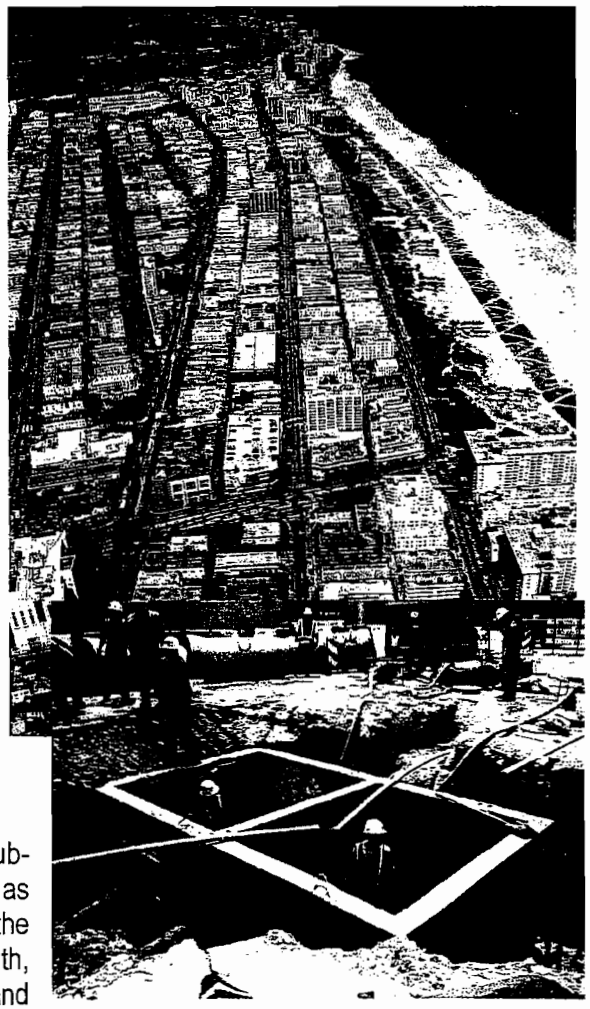
Water Resource Engineering

Electrical Engineering

Permitting

Lummus Neighborhood Improvements
City of Miami Beach, Florida

Project Location:
Project consists of the Lummus Neighborhood bounded by 7th and 8Th street, in the City of Miami Beach, Florida.



Client:
City of Miami Beach
Capital Improvements Project Office
1700 Convention Center Dr.
Miami Beach, Florida
Project Manager:
Aurelio Carmenates
Phone No.:
(305) 218-4809
Fax No.:
(305) 673-7073
email:
aureliocarmenates@miamibeachfl.gov
Contract Number:

Initial/Final Contract Value:

Initial/Final Construction Cost:
$15,618,906
Contract Starting Date:
February 2007
Contract Completion Date:
August 2007

Scope of Work – The Lummus sub-neighbourhood is generally described as that area bounded by 16th Street to the north, 5th Street to the South, Washington Avenue to the West, and Ocean Drive to the East. The area consists of multi-family structures with significant retail / commercial components, portions of which are within historically designated areas. This neighbourhood is located in the heart of South Miami Beach and includes much of the National Register Architectural District. As part of this project we are to develop and prioritize streetscape and urban improvements equitably throughout the neighbourhood as well as to upgrade water and Stormwater infrastructure in accordance with the recommendations. It is important to note County and State Roadways are not included within the scope of the City's Row improvements Programs. Hence, 5th Street, Collins Avenue and Ocean Drive are excluded from the scope of this Project. In addition, Washington Avenue Improvements are being addressed as a separate Bid Package 10D. Also, public facilities outside of the ROW, such as Parks, are covered by other City Capital Programs. This Project was awarded in December 2006 as a Design Build Contract.

A&P Consulting Transportation Engineers Project Experience

Design-Build for Neighborhood No. 7 - Nautilus Water and Sewer Improvements
City of Miami Beach, Florida

Antonio Acosta, P.E.
Civil Engineering

Carlos M. Gil-Mera, P.E.
Project Manager

Eithel Sierra, P.E.
Civil Engineering

Arnelio Alfonso, P.E.
Hydraulic Modeling

Lazaro Ferrero, P.E.
Water Resources

Nelson V. Perez, P.E.
Construction Administration

Evelio Hernandez
Senior Inspector

Engineering Disciplines:

Civil Engineering

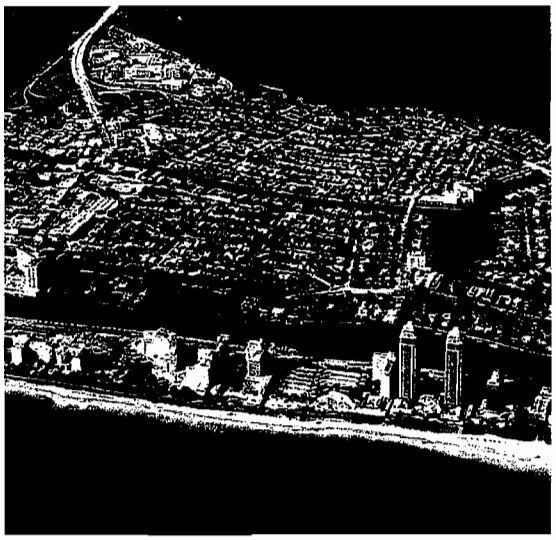
Hydraulic and Hydrologic Modeling

Water Resource Engineering

Permitting

Construction Management

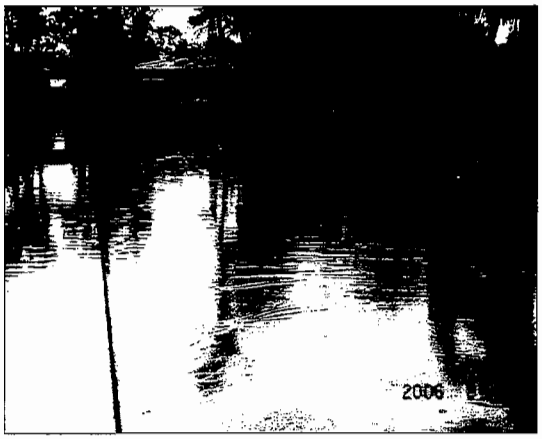
Project Location:
Nautilus Neighborhood, "Middle Beach" from Surprise Lake south, to the south end of the 41st Street right-of-way, and from Biscayne Bay east to the Indian Creek waterway, Miami Beach, Florida
Client:
City of Miami Beach Florida
Capital Improvements Project Office
1700 Convention Center Dr.
Miami Beach, Florida
Project Manager:
Aurelio Carmenates
Phone No.:
(305) 218-4809
Fax No.:
(305) 673-7073
email:
aureliocarmenates@miamibeachfl.gov
ITB Number:
36-05/06
Initial/Final Contract Value:
$4,500,000
Initial/Final Construction Cost:
N/A
Contract Starting Date:
N/A
Initial/Final Completion Date:
August 03, 2009 / Ongoing



Scope of Work –
Storm water Improvements

The improvements to the stormwater system are limited to the three priority drainage basins (92, 97 & 99) identified in the City of Miami Beach Stormwater Management Master Plan for the Nautilus Neighborhood. All three priority basins lie within the Nautilus West Area. Basin No. 92 is the largest and encompasses the south part of Nautilus West. Basin No.99 is the smallest and is at the northern end of Nautilus West just south of the Surprise Waterway Canal. The proposed drainage system for the priority drainage basins consist of:

- Approximately 16,300 ln. ft. of conveyance pipe.



Severe Flooding at Nautilus & 46 St

A&P Consulting Transportation Engineers
10305 NW 41 Street, Suite 115, Miami, Florida 33178
Tel: (305) 592-7283 – Fax: (305) 593-1594

- 92 inlets and 74 manholes.
- 9 gravity drainage wells and 31 pressurized drainage wells.
- 6 stormwater pumping stations.

- **Water Systems Improvements**
  In 1994, the City of Miami Beach (CMB) adopted a comprehensive Water and Sewer Master Plan. Based on this Master Plan, three levels of priorities were established. The Nautilus Neighborhood has only identified priorities two and three water line improvements. The proposed water improvements for this neighborhood include:
  - Approximately 17,500 ln. ft. (priority 2) of New 8" DIP Water Main
  - Approximately 16,444 ln. ft. (priority 3) of new 8" DIP Water main (not currently shown in the 60% conceptual plans).
  - New Fire Hydrants and tie-in of the proposed 8" DIP water lines to the existing water mains at various locations.
  - The relocation of approximately 172 water meters (priority two) and 5 water meters (priority three) from rear easements to the public sidewalks through trenchless technology.

APCT ENGINEERS

Key Personnel:

Carlos M. Gil-Mera, P.E.
Civil Engineering

Arnelio Alfonso, P.E.
Hydraulic Modeling

Lazaro Ferrero, P.E.
Water Resources

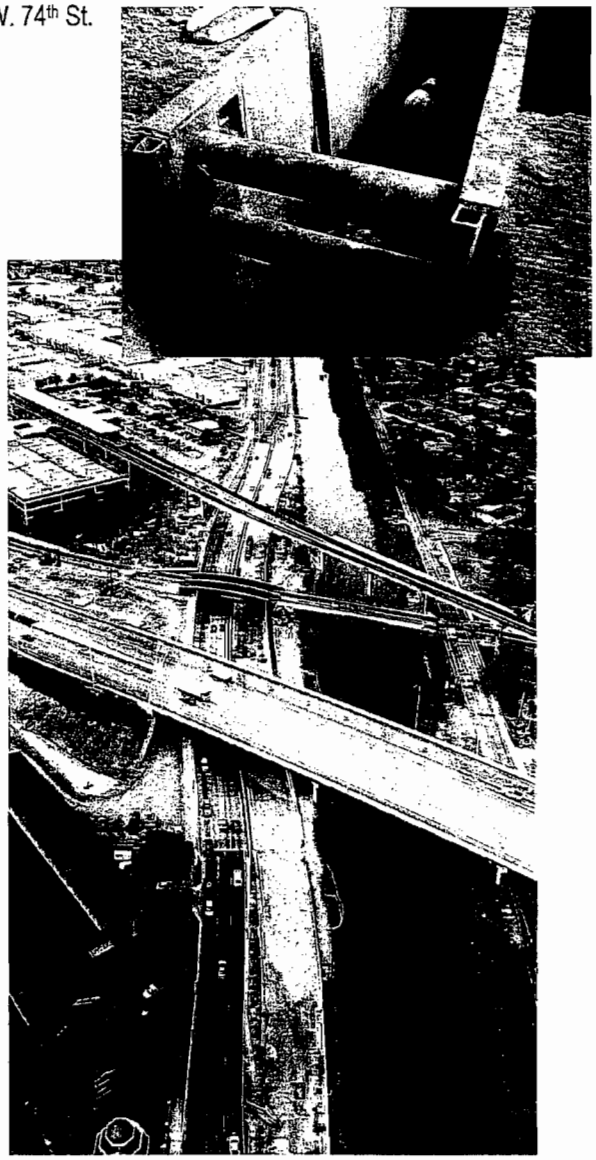
Engineering Disciplines:

Civil Engineering

Water Resource Engineering

Permitting

City of Hialeah SR-25 / Okeechobee - 16-inch Water Main
Miami-Dade County, Florida



Project Location: From West of N.W. 74th St. to West of NW 19th Street.
Client: City of Hialeah
Project Manager:
Jose Rodriguez, P.E.
Phone No.:
(305) 556-3800
Fax No.:
(305) 827-0811
email:
jrodriguez@ci.hialeah.fl.us
Contract Number:
04122.0
Initial/Final Contract Value:
$13,674.36 / $13,674.36
Initial/Final Construction Cost:
N/A
Contract Starting Date:
June 2005
Contract Completion Date:
July 2007
Scope of Work - APCT Engineers in joint participation with the Florida Department of Transportation and City of Hialeah Water and Sewer department, was responsible for the preparation of engineering documents for the installation of an approximately 16 inch ductile iron water main. The aforementioned 16 inch ductile iron water main was constructed and runs parallel to State Road – 25 / Okeechobee from west of N.W. 74th street to west of N.W. 19th street. This work was deemed necessary due to the segment of SR-25 which runs under the existent railroad tracks, belonging to "Florida East Coast." Approximately 1,214 feet.

Key Personnel:

Carlos M. Gil-Mera, P.E.
Civil Engineering

Arnelio Alfonso, P.E.
Hydraulic Modeling

Lazaro Ferrero, P.E.
Water Resources

Engineering Disciplines:

Civil Engineering

Water Resource Engineering

Permitting

N.W. 103rd Street – 16-inch Water Main
Miami-Dade County, Florida

Project Location:
N.W. 103rd Street from NW 6th Street to NE 6th Street
Miami-Dade, Florida
Client:
Miami-Dade Water & Sewer Department
3575 S. LeJeune Road, Miami, Fl 33233
Project Manager:
Carlos E. Benavides
Phone No.:
(305) 740-4481
Fax No.:
(305) 669-7740
email:
cbena01@miamidade.gov
Contract Number:
408303-1-56-01
Initial/Final Contract Value:
$131,424.78 / $131,424.78
Initial/Final Construction Cost:
$2,470,101.24 / 2,507,230.80
Contract Starting Date:
June 2003
Contract Completion Date:
May 2004

Scope of Work - Designer of record to Prepare Construction Documents (plans and specifications) as part of a JPA between FDOT and M-D WASD, which included the installation of approximately 100 L.F. of 20" D.I.P., 7,100 L.F. of 16" D.I.P., 150 L.F. of 12" D.I.P., and 1,125 L.F. of 8" D.I.P., with connection and stub-outs. The project also included the replacement of 143 water meters (1" and 2") and the installation of 18 fire hydrant assemblies that were located in accordance with the latest requirements of the Miami-Dade Fire Department.

Checklist of the following types of Construction encountered, if applicable:

- ☑ Traffic Control
- ☑ Maintenance of access for pedestrians to businesses or residences
- ☑ Underground utility construction
- ☐ Erosion control and storm water pollution prevention measures
- ☑ Drainage collection and/or disposal system
- ☐ Irrigation systems
- ☐ Landscape planting
- ☐ Other: List as may apply

Key Personnel:

Antonio Acosta, P.E.
Principal-in-Charge

Arnelio Alfonso, P.E.
Project Manager

Lazaro Ferrero, P.E.
Project Engineer

Engineering Disciplines:

Civil Engineering

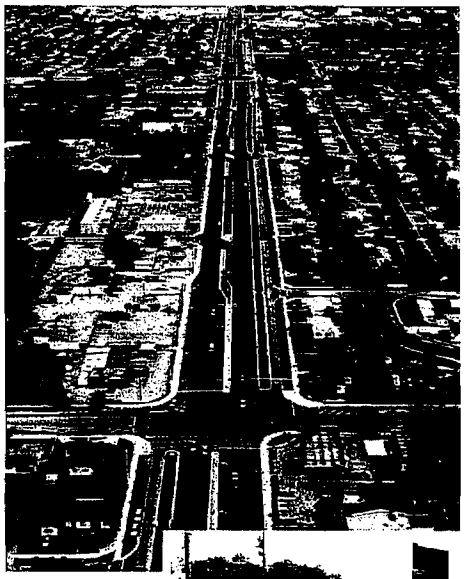
Hydraulic and Hydrologic Modeling

Water Resource Engineering

Permitting

Sanitary Sewer System for Miami Gardens Drive
Miami-Dade County, Florida

Project Location:
N.W. 183rd Street / Miami Gardens Drive from NW 22nd Ave. to NW 8th Pl.
Miami-Dade, Florida
Client:
Miami-Dade Water & Sewer Department
3575 S. LeJeune Road, Miami, Fl 33233
Project Manager:
George L. Aguilar
Phone No.:
(786) 552-8138
Fax No.:
(786) 552-8641
email:
glau01@miamidade.gov
Contract Number:
249783-1-56-01 & 250200-1-56-01
Initial/Final Contract Value:
$259,808.98 / $259,808.98
Initial/Final Construction Cost:
$1,520,174.66 / 1,000,200.53
Contract Starting Date:
September 2002
Contract Completion Date:
June 2003



Scope of Work - Designer of record to Prepare Construction Documents (plans and specifications) as part of a JPA between FDOT, the City of North Miami Beach and M-D WASD. The project was divided in three sites:

Site I: NW 22 Ave, from NW 179 ST to NW 184 ST:
The proposed sewer system included a 8" gravity collection system along the north bound of NW 22 Ave, from just north of NW 179 ST to NW 184 ST. This line collects sewage from 10 properties that currently are not connected to the City sewer. This new gravity system will discharge into Pump Station No. 1, located on the northeast corner of the NW 183 ST / NW 22 Ave Intersection. A 4" force main was installed from Pump Station No. 1 to an existing manhole located on a utility easement at NW 183 ST between 21 Ave and 22 Ave.

Site II: NW 183 ST, from NW 18 Ave to 120 m west of NW 19 Ave.:
The proposed sewer improvements included a new 8" gravity collection system along the east bound of Miami Gardens Drive (NW 183 ST), from NW 18 Ave to 400 ft west of NW 19 Ave. Six properties are being connected to the new system, including vacant lots. The proposed system will discharge into an existing manhole on NW 19 Ave, 120 ft north of NW 183 ST.

Site III: NW 183 ST, from NW 16 Ave to NW 17 Ave.:
The proposed system will collect the sewage generated by a nursery located at 1555 NW 183 ST and several businesses located in one building at 1601 to 1615 NW 183 ST. Pump Station No. 2 will be installed on NW 16 Ave. A proposed 2.5" force main was built from the new pump station to an existing manhole locate in a utility easement between NW 16 Ave. and NW 17 Ave.

Site III: NW 183 ST, from NW 16 Ave to NW 17 Ave.:
The proposed sewer improvements included a new 8" gravity collection system along the west bound of Miami Gardens Drive (NW 183rd St.), from NW 8th Pl. to East Sunshine State Parkway, just east of the Florida Turnpike. Five properties are being connected to the new system, including vacant lots. This new gravity system will discharge into a Pump Station, located on a grass area on the west side of E. Sunshine State Parkway. A 6" force main was installed from the referenced Pump Station to an existing 8" Force Main located on NW 183rd Street. The project also included the relocation of portion of two existing force mains.

Checklist of the following types of Construction encountered, if applicable:

- ☑ Traffic Control
- ☑ Maintenance of access for pedestrians to businesses or residences
- ☑ Underground utility construction
- ☐ Erosion control and storm water pollution prevention measures
- ☑ Drainage collection and/or disposal system
- ☐ Irrigation systems
- ☐ Landscape planting
- ☐ Other: List as may apply

A&P Consulting Transportation Engineers Project Experience

Key Personnel:

Carlos M. Gil-Mera, P.E.
Civil Engineering

Eithel Sierra, P.E.
Project Manager

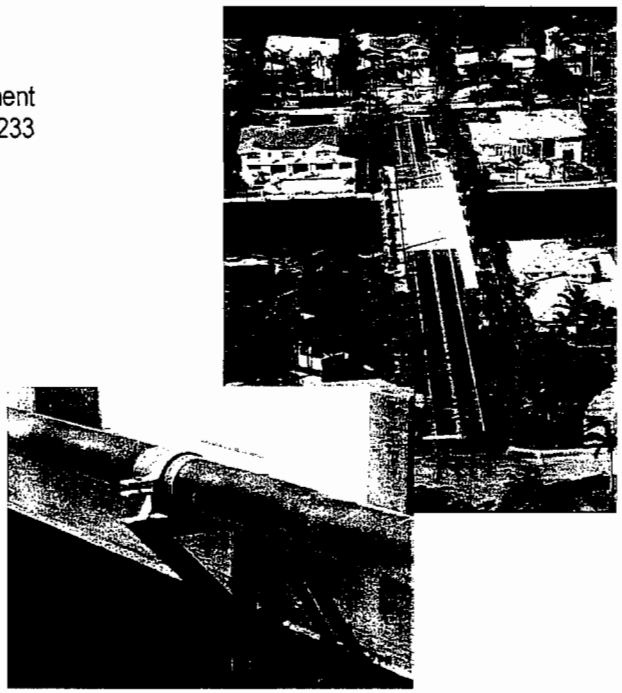
Engineering Disciplines:

Civil Engineering

Water Resource Engineering

Verona Avenue Bridge – 6-inch F.M.
Miami-Dade County, Florida

Project Location:
Verona Avenue Bridge from East of South Island Drive to West of Golden Beach Drive
Miami-Dade, Florida



Client:
Miami-Dade Water & Sewer Department
3575 S. LeJeune Road, Miami, Fl 33233
Project Manager:
Carlos Benavides
Phone No.:
(305) 740-4481
Fax No.:
(305) 669-7740
email:
cbena01@miamidade.gov
Contract Number:
405904-1-56-01
Initial/Final Contract Value:
$16,941.75 / $16,941.75
Initial/Final Construction Cost:
$348,485.76 / 348,485.76
Contract Starting Date:
April 2003
Contract Completion Date:
October 2003

Scope of Work - Designer of record to Prepare Construction Documents (plans and specifications) as part of a JPA between FDOT and M-D WASD, which included the installation of approximately 403 L.F. of 6" D.I.P. Proposed force alignment also included the design of 115 L.F. of 6" Stainless Steel aerial canal crossing at the Verona Bridge across the Grand Canal. As part of the construction of the new bridge, the project also included the design of the temporary 6" Ductile Iron force main. A&P Consulting was in charge to obtain all permits (HRS, Fire Department, Army Corps, and DERM) as well as to elaborate the Technical Special Provisions for the installation of the new temporary 6" force mains and appurtances.

Checklist of the following types of Construction encountered, if applicable:

- ☑ Traffic Control
- ☑ Maintenance of access for pedestrians to businesses or residences
- ☑ Underground utility construction
- ☐ Erosion control and storm water pollution prevention measures
- ☐ Drainage collection and/or disposal system
- ☐ Irrigation systems
- ☐ Landscape planting
- ☐ Other: List as may apply

A&P Consulting Transportation Engineers
10305 NW 41 Street, Suite 115, Miami, Florida 33178
Tel: (305) 592-7283 – Fax: (305) 593-1594

APCT ENGINEERS

Key Personnel:

Carlos M. Gil-Mera, P.E.
Principal-in-Charge

Eithel Sierra, P.E.
Project Manager

Jorge Pena, E.I.
Project Engineer

Juan Velasquez
Roadway inspector

Engineering Disciplines:

Civil Engineering

Water Resource Engineering

Permitting

Construction Engineering Inspections

Indian Creek Water Main Emergency Repair
City of Miami Beach, Florida

Project Location:
Indian Creek from 63rd Street to 65th Street

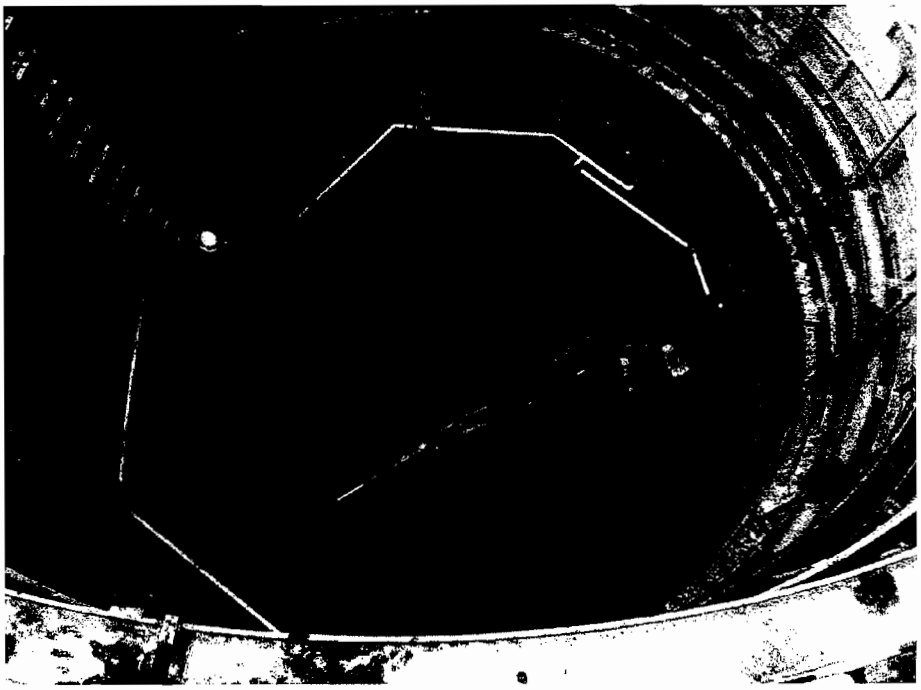
Client:
City of Miami Beach Florida
Public Works Department
1700 Convention Center Dr.
Miami Beach, Florida
Project Manager:
Fernando A. Vazquez, P.E.
Phone No.:
(305) 673-7080
Fax No.:
(305) 673-7083
email:
fernandovasquez@miamibeach.gov
Contract Number:
N/A
Initial/Final Contract Value:
$50,000.00/$50,000.00
Initial/Final Construction Cost:
$360,000/ $360,000
Contract Starting Date:
November 2006
Contract Completion Date:
December 2006

Scope of Work – This project was part of an emergency repair, five days, 24 hour operation requested by Public Works to fix a ruptured Water main to a broken pipe due to the on-going construction of the 63rd Street flyover at Alton Road. The project Scope consisted of designing, relocating and upgrading the existing 10-inch cast iron water main to a new 12-inch ductile iron water main. Project also included the construction of 9 new fire hydrants and reconnection of all existing service to the new main. In less than 5 days, the APCTE Team had to design the new pipeline, pull-out all required Fire Department, Public Works, Department of Health and DERM permits, as well as provide CEI services for the construction of the new main.

TETRA TECH

Mariemont Sanitary Sewer Overflow (SSO) Elimination

Mariemont, Hamilton County, Ohio



The scope of engineering services performed by Tetra Tech for this project involved planning, design, and construction related services for eliminating three highly active sanitary sewer overflows (SSOs). The planning phase determined the most cost effective approach and alignment of sewers to replace and upsize the existing sewers. Siphon modifications and sewer rerouting provided for elimination of a fourth SSO. The route selected eliminated impact to the City of Mariemont Park and the environmentally sensitive area of Whiskey Creek as a green solution. The existing sewer was abandoned along the Creek in the Park area. This project was part of the MSDGC SSO Consent Decree and was completed within the compliance deadlines imposed by EPA. Specific project components included:

- Planning Report: Alternative analysis, cost estimates, implementation schedule, and recommendations
- Public meetings and information brochures during design and construction
- The alternate route selected eliminated impact to the City of Mariemont Park and the environmentally sensitive area of Whiskey Creek
- Elimination of four SSOs, three highly active SSOs on the Consent Decree list
- Approximately 3,800 feet of 36-inch gravity sewer to be constructed by microtunneling
- Approximately 6,500 feet of 36-, 21-, 18-, 10-, and 8-inch gravity sewer (open-cut)
- Elimination of approximately 2,500 feet of existing sewer (including a single-barrel siphon)

Project Highlights:

- Siphon modifications
- SSO elimination
- New sewers/relief to existing sewers provision
- Microtunneling
- Sanitary Sewer Evaluation Survey (SSES)
- Hydraulic modeling

Project Value:

Initial Award Cost: $790,119 (10.4%)

Final Consultant Cost: $653,277 (8.6%)

Final Construction Cost: $7,591,316

Project Duration:

February 2002 (Initiate Planning Report) – July 31, 2006 (Final Construction (Subst.))

The construction completion date was a Consent Decree deadline and the project was completed to meet this EPA deadline.

Project Staff:

Dennis Huber, P.E.
Project Director

Deborah Schafer, P.E.,
Project Manager

Cincinnati-based Tetra Tech support engineers and CAD designers completed the planning report, design, and construction deliverables for the project

Reference:

Metropolitan Sewer District of Greater Cincinnati
Cincinnati, Ohio

William Lutz, P.E.
Project Manager
william.lutz@cincinnati-oh.gov
513.244.5102

- Modifications to an existing dual-barrel siphon
- Archaeology investigation and excavations to remove artifacts to clear corridor for construction
- Maintenance of Traffic plan development for Route 50, heavily traveled roadway with businesses
- Continuing sewer service to existing customers by relocating sewer taps to proposed sewers.

To eliminate sump pumps in houses, gravity lateral connections to houses (private property) on Harvard Acres were provided in the design.

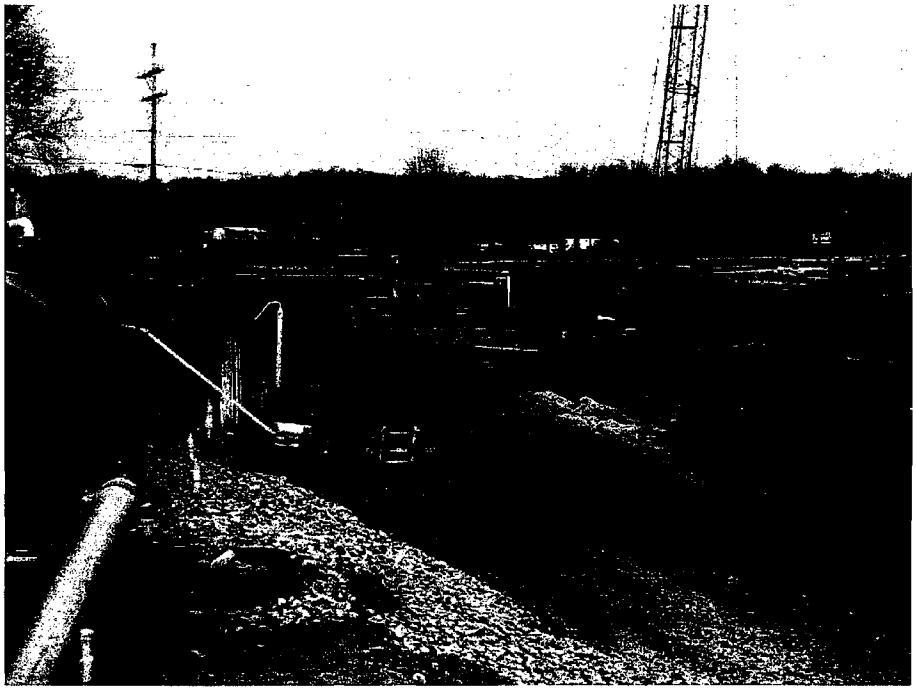
Lessons learned included:

- Detailed maintenance of traffic plans were essential to facilitate access on busy roadway.
- Utility relocation allowances were provided in the bid, and coordinated with utilities prior to bid.
- Gaining public 'buy-in" and acceptance was critical. Public meetings and construction public relations were held to obtain community support/acceptance.
- New material (polycrete pipe) was used on the project. Additional warranty requirements identified by MSDGC can be better supported by a special performance bond in this situation.

TETRA TECH

Wooster Pike Sewers, Phase II

Village of Newtown, Hamilton County, Ohio



Tetra Tech initially completed final design of the Wooster Pike sewer in 1993, and included easement plats needed for sewer construction at that time. Phase I of the project was constructed to service a retail center and Kroger™ store area east of Mariemont. Following MSD easement acquisition in September 2001, Tetra Tech was asked to update the final project design plans and specifications and add a new golf course entry drive design. This project posed several design complications: sewer depth, soil conditions, high groundwater, and related construction challenges.

The project consisted of some 5,000 feet of 54-inch sewer; 1,900 feet of 30-inch sewer; 2,700 feet of 27-inch sewer; 3,900 feet of 24-inch sewer; 2,200 feet of 18-inch sewer; and 1,400 feet of 8-inch sewer. The sewer is approximately 40 feet deep in high groundwater and sand gravel soils. This depth required special sheeting/dewatering techniques for construction and watertight pipe materials to prevent groundwater infiltration. Due to the high groundwater table, depth, and sand/gravel soils, the final design included an alternate construction method to install the 54-inch/30-inch sewer using microtunneling. The project also included a railroad crossing and tunnel construction at three locations (over 625 feet).

Tetra Tech prepared final plans, specifications, bid documents, cost estimates, and permit applications for all three contracts. Supplemental geotechnical and soils investigations reports were provided by Tetra Tech to address microtunneling construction and the difficult soil conditions.

In addition, Tetra Tech assisted MSD with project bidding, award and construction administration. Bidding services included assistance with plans/specifications distribution and addenda/bidder clarifications. Tetra Tech provided construction assistance on an as-needed basis as requested by MSD's Project Manager. This assistance included attending preconstruction meetings, reviewing shop drawings and

Project Highlights:

- Microtunneling
- High Groundwater Considerations
- Problematic Sewer Depths and Soils
- Bidding Assistance and Construction Administration

Project Value:

Initial Award Cost: $388,800 (5.3%)

Final Consultant Cost: $321,823 (4.4%)

Final Construction Cost: $7,317,338

Project Duration:

2001–11/2005 (Completion)

Project Staff:

Dennis Huber, P.E.
Project Manager

Reference:

Metropolitan Sewer District of Greater Cincinnati
Cincinnati, Ohio

Doug Peters/Rick Hartoin, P.E.
Project Manager
rick.hartoin@cincinnati-oh.gov
513.244.1375

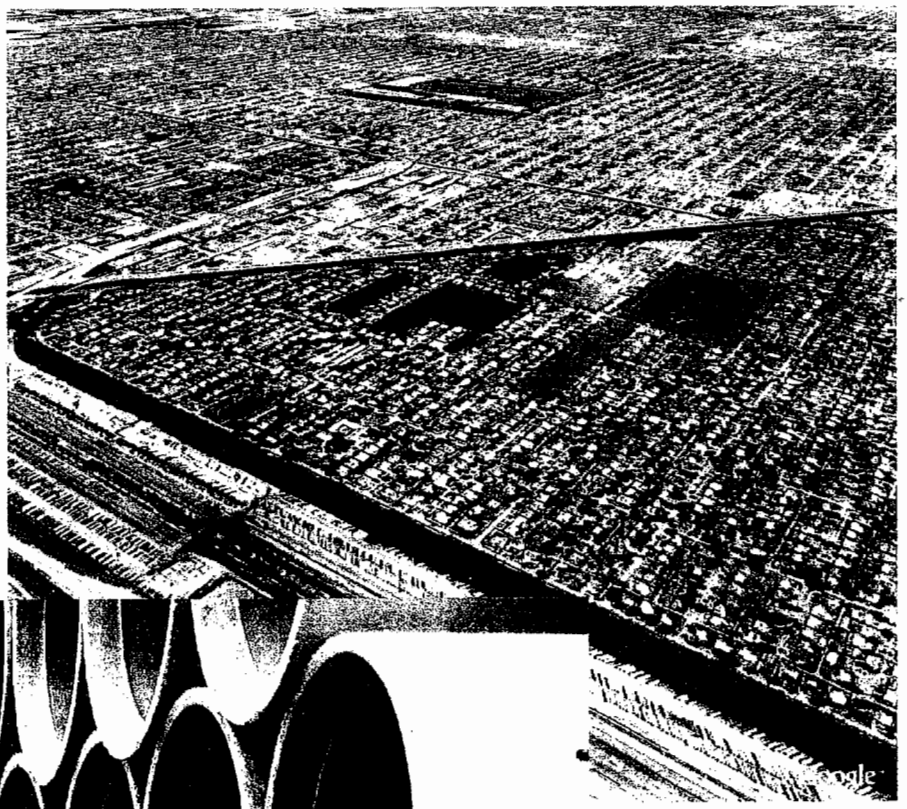
proposed changes/change orders, and facilitating progress meetings. Tetra Tech provided resident inspection and preparation of as-built plans. A special hydrogeologic report was prepared by Tetra Tech EMI to address dewatering problems encountered during construction by the contractor.

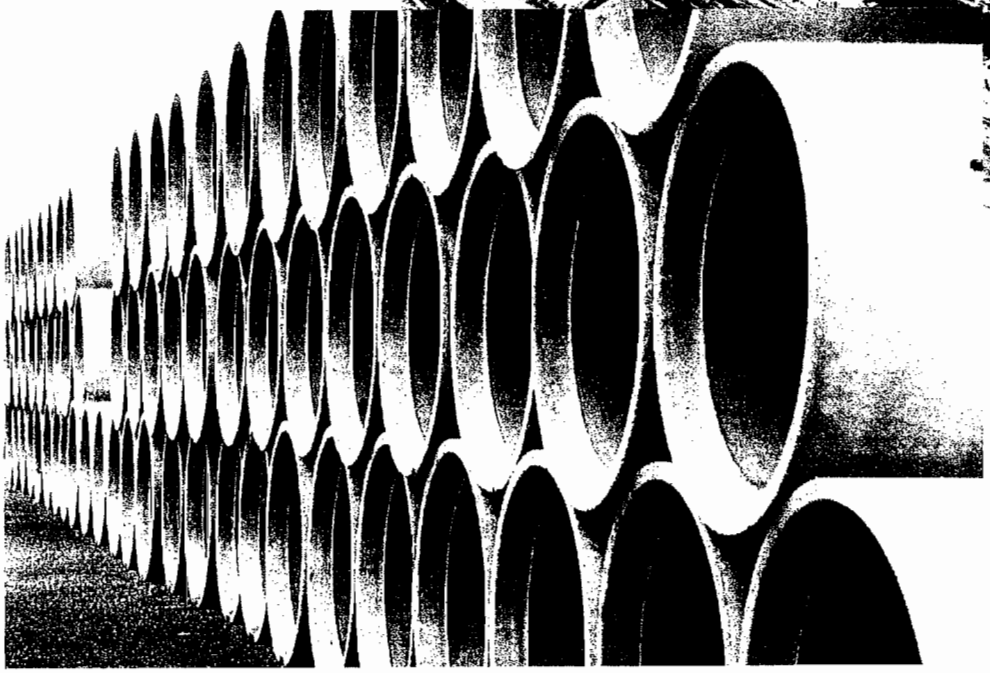
Scope Deviation: Tetra Tech provided the microtunneling design as an optional construction method due to the poor soils as noted above, which was bid as an alternate for the project.

MIAMI-DADE

Section D

Financial Plan





SECTION D – FINANCIAL PLAN

D.1 FINANCIAL PLAN

The RIC-MAN / LANZO / APCTE Team has obtained from Oppenheimer sufficient funds to cover the monthly cost of the project, in accordance with the project progress estimates to be approved by M-D WASD. The financial plan allows the financial institution to lend Ric-Man the amounts corresponding to each work progress estimate. In this way, Ric-Man will have a continuous source of working capital to assure the work starts in 2009 while payments from M-D WASD can be spread over the period 2009-2014, when the funds become available according to the M-D WASD's work program. This financial plan provides Ric-Man with enough capital to execute the project in a shorter time, before the funds are available from M-D WASD payment schedule. The financial costs of the loan will be paid in its entirety by Ric-Man, who has already negotiated with Oppenheimer the term sheet.

A letter from the financial institution describing their proposed financing structure as well as a description of steps to be taken after Miami-Dade County awards the contract to our team is shown on this section. A more detailed financial plan will be provided to Miami-Dade County in the case that the unsolicited proposal is approved and the project is awarded to us. The detailed financial plan will include the method of funding, public sector reimbursement, private sector financing, the financial structure rationale and any other assurances that may be requested by the County.

We have included as part of this section a letter from Liberty Mutual (Ric-Man's Bond Company) and from Iannuzzi Manetta & Company, Certified Public Accountants, certifying Ric-Man's Bonding Capacity and Financial Capacity respectively. Additionally, our team has also obtained a letter from Guy Hurley Blaser & Heuer, LLC, Insurance and Surety Services (Lanzo's Construction Bond Company) and from Safeco Insurance Companies certifying Lanzo's Performance and Payment Bonding Capacity.

OPPENHEIMER

Oppenheimer & Co. Inc.
4717 Grand Avenue Suite 800
Kansas City, MO 64112
816-932-7000

Member of All Principal Exchanges

July 16, 2008

Rene L. Castillo
General Manager / Corporate Secretary
Ric-Man International
2601 NW 48th Street
Pompano Beach, Fl 33073

RE: Miami-Dade County, Florida

Dear Mr.Castillo:

Oppenheimer is pleased to present our proposed financing structure. We have prepared a brief summary of the proposed financing structure and steps to be taken.

1) Miami-Dade County, Florida awards the contract to Ric-Man International.

2) Miami-Dade County, Florida Contract is reviewed by Oppenheimer and Bond Counsel, and due diligence is completed.

3) A Revenue Anticipation Note amortization structure is designed to retire the Notes from the anticipated Miami-Dade County, Florida payment schedule.

4) Draft a Trust Indenture pledging Miami-Dade County, Florida revenues to repayment of the Notes.

5) Note Documentation is submitted to Municipal Credit Rating Agencies and Note Rating is received.

6) Issuer adopts Resolution authorizing the issuance of the Notes.

7) Notes are issued and underwritten by Oppenheimer. Note Proceeds are deposited in a Project Fund, pursuant to the Trust Indenture, and invested in qualified securities prior to disbursement for project construction.

8) Ric-Man International commences construction and uses Project Fund to pay costs.

9) Ric-Man International submits invoices for reimbursement to Miami-Dade County, Florida.

10) Miami-Dade County, Florida remits payment to Ric-Man International by making deposits to the Note Repayment Fund of the Trust Account.

11) Note Holders are repaid from the Note Repayment Fund in accordance with the adopted amortization schedule.

Current interest rates for comparable tax exempt revenue anticipation notes average 4.6%. The notes would be non-recourse to Ric-Man International and would be secured by the proceeds of Miami-Dade County, Florida contract and proceeds of claims against any performance bond securing the project.

We anticipate the financing could be closed in approximately sixty days from the date of engagement of Oppenheimer and selection of a tax exempt issuing authority. We believe this financing structure will be viewed favorably and advise Ric-Man International to confer with Miami-Dade County, Florida as soon as possible regarding the financing plan. Please feel free to contact me at (800) 829-3012 if you have any question regarding this financing plan.

Oppenheimer & Co., Inc.

J. M. Holland

Jack Holland
Managing Director
Municipal Capital Markets Group

CC: Oui S. Coulson

Liberty Mutual Surety

Stephen R. DeVore
Bond Manager
stephen.devore@libertymutual.com

5600 New King Street
Suite 360
Troy, MI 48098
Toll Free: (800) 268-1229
Direct Dial: (248) 641-8495
Fax: (248) 641-9186

July 17, 2008

Mr. George M. Burgess
County Manager
Miami-Dade County
111 NW 1st Avenue
Suite 2910
Miami, Florida 33128

RE: Ric-Man International, Inc.
Unsolicited Proposal for Construction of 72" PCCP
From N. Royal Poinciana to NW 127th Ave.
Well Field Improvement Project

Mr. Burgess,

Please be advised that Ric-Man International is a highly regarded and valued long-time client of Liberty Mutual Surety which is a wholly owned subsidiary of Liberty Mutual Insurance Company. We enjoy a Treasury limit of $799,700,000 as well as a rating of A (Excellent) from A.M. Best.

We have previously considered bond programs within a $125,000,000 single and $200,000,000 aggregate work program for this quality contractor and expect to be able to support them in a similar fashion in the future.

Naturally, the execution of any future bonds is always subject to an underwriting review at the time of a bond request and is a decision between us and Ric-Man International. Such review would include an evaluation of Ric-Man International's financial condition, satisfactory review of contract terms and conditions (if different from standard Miami-Dade County contract documents), as well as satisfactory financing arrangements. The aforementioned items represent some, but not necessarily all, of the items we typically review.

Please do not hesitate to call upon us if we can provide any further assurances or assistance in regard to

Sincerely,

Stephen R. DeVore

Stephen R. DeVore, CPCU, AFSB

Member of Liberty Mutual Group

IANNUZZI•MANETTA & COMPANY PC
Certified Public Accountants & Advisors

Frank P. Iannuzzi, CPA
Mark Manetta, CPA
David Curry, CPA

1175 West Long Lake Road
Suite 201
Troy, Michigan 48098

Phone: 248-641-0005
Fax: 248-641-2988
In Florida: 800-218-3230

July 18, 2008

Mr. David Mancini - President
Ric-Man International, Inc.
2601 N.W. 48th Street
Pompano Beach, FL 33073

RE: JOB PROGRAM FINANCIAL CAPACITY

Dear David:

In regards to the audited Balance Sheet for Ric-Man International, Inc. (RMI) as of December 31, 2007, I would like to point out certain financial ratios that are indicators of financial capacity. My comments are based on my over 30 years of experience working for construction contractors.

First, the debt to equity ratio is 0.31 to 1. This is an excellent indicator of the financial strength of the company. This indicates for every $1 the owners have invested in the business, creditors only have $0.31. An average ratio for other similar businesses is 2 to 1. Furthermore, a surety to determine a bonding capacity work program would use a multiple of 10 times stockholders' equity. This would result in a bond program of approximately $182 million. Please note that I reduced equity by the related party receivable $1,854,730.

Secondly, the company has a very strong working capital position ratio of 4 to 1. Normally, a very good ratio would be 2 to 1. RMI's ratio is twice that amount. This ratio provides a good indication of the business' ability to pay its bills. Furthermore, a surety for bonding would use a multiple of 10 times the working capital difference to determine a single job limit. This would amount to approximately $178 million. Again, please note that I did not include the related party receivable.

If you have any questions, please call me.

Sincerely,

FRANK P. IANNUZZI

jm
enclosure

3267

GUY HURLEY BLASER & HEUER LLC
INSURANCE AND SURETY SERVICES

1080 KIRTS ROAD
SUITE 500, TROY, MICHIGAN 48084
TELEPHONE: 248.519.1400 FACSIMILE: 248.519.1401

July 21, 2008

Mr. George M. Burgess
County Manager
Miami-Dade County
111 NW 1st Avenue
Suite 2910
Miami, Florida 33128

RE: Lanzo Construction Company, Inc.
Unsolicited Proposal – Well Field Improvement Project

Dear Mr. Burgess,

Please be advised that Lanzo Construction Company (Lanzo) is a highly regarded customer of this firm and Safeco Insurance Company. Safeco maintains a rating of A (Excellent) from A.M. Best and a combined Treasury limit of $270,417,000.

Lanzo is an extremely well financed and managed company. There construction capabilities are unquestioned and included both Construction Management and Design Build experience. As a premier contractor in southern Florida they have a tremendous track record performing work within Miami-Dade County.

We are fully aware of the Unsolicited Proposal for the Well Field Improvement Project noted above. We look forward to the possible award to Lanzo and will be prepared to issue performance and payment bonds upon their request and satisfactory contract/finance terms. It is our understanding that the contract value, while undetermined at this time, could reach $130,000,000.

Please contact me at 248-519-1411 should you have any questions regarding the surety support of Lanzo.

Regards,

Paul M. Hurley
Vice President

Safeco

POWER
OF ATTORNEY

Safeco Insurance Companies
PO Box 34526
Seattle, WA 98124-1526

No. 12639

KNOW ALL BY THESE PRESENTS:

That **SAFECO INSURANCE COMPANY OF AMERICA** and **GENERAL INSURANCE COMPANY OF AMERICA,** each a Washington corporation, does each hereby appoint

*****LINDA L. AUSTIN; ANNE M. BARICK; MICHELLE K. BUECHEL; T. R. GUY; ROBERT D. HEUER; PAUL M. HURLEY; C. A. JOHNSON; MARGARET M. KOHLOFF; MICHAEL D. LECHNER; Troy, Michigan**********

its true and lawful attorney(s)-in-fact, with full authority to execute on its behalf fidelity and surety bonds or undertakings and other documents of a similar character issued in the course of its business, and to bind the respective company thereby.

IN WITNESS WHEREOF, SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA have each executed and attested these presents

this 8th day of December, 2005.

STEPHANIE DALEY-WATSON,SECRETARY

MIKE PETERS, PRESIDENT, SURETY

CERTIFICATE

Extract from the By-Laws of **SAFECO INSURANCE COMPANY OF AMERICA** and of **GENERAL INSURANCE COMPANY OF AMERICA:**

"Article V, Section 13. - FIDELITY AND SURETY BONDS ... the President, any Vice President, the Secretary, and any Assistant Vice President appointed for that purpose by the officer in charge of surety operations, shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the company in the course of its business... On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

Extract from a Resolution of the Board of Directors of **SAFECO INSURANCE COMPANY OF AMERICA** and of **GENERAL INSURANCE COMPANY OF AMERICA** adopted July 28, 1970.

"On any certificate executed by the Secretary or an assistant secretary of the Company setting out,

(i) The provisions of Article V, Section 13 of the By-Laws, and
(ii) A copy of the power-of-attorney appointment, executed pursuant thereto, and
(iii) Certifying that said power-of-attorney appointment is in full force and effect,

the signature of the certifying officer may be by facsimile, and the seal of the Company may be a facsimile thereof."

I, Stephanie Daley-Watson, Secretary of **SAFECO INSURANCE COMPANY OF AMERICA** and of **GENERAL INSURANCE COMPANY OF AMERICA,** do hereby certify that the foregoing extracts of the By-Laws and of a Resolution of the Board of Directors of these corporations, and of a Power of Attorney issued pursuant thereto, are true and correct, and that both the By-Laws, the Resolution and the Power of Attorney are still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the facsimile seal of said corporation

this _____ day of _____, _____

SAFECO INSURANCE COMPANY OF AMERICA CORPORATE SEAL 1953 STATE OF WASHINGTON

GENERAL INSURANCE COMPANY OF AMERICA CORPORATE SEAL 1923 State of Washington

STEPHANIE DALEY-WATSON, SECRETARY

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S-0974/DS 4/05

WEB PDF

MIAMI-DADE

Section E

Licenses, Certifications, and Letters of Recommendations

Section E – Construction Team

RIC-MAN International Licenses, Certifications, and Letter of Recommendations

RECEIVED
SEP 0 4 2007
BY:

3A MAJOR ROADS (ASPHALT AND CONCRETI

00-1650-W
MANCINI, DAVID A. - QUALIFYING
RIC-MAN INTERNATIONAL INC
2601 NW 48 ST
POMPANO BCH FL 330730002
EXPIRES 08/31/2009

BROWARD COUNTY FLORIDA

CERTIFICATE OF COMPETENCY
Detach and **SIGN** the reverse side of this card **IMMEDIATELY** upon receipt! **You should carry this card with you at all times.**

Contractor must obtain a photo I.D. Certificate of Competency Card every four years.

MANCINI, DAVID A.
2601 NW 48 ST
POMPANO BCH FL 330730000

BROWARD COUNTY, FLORIDA
CERTIFICATE OF COMPETENCY

CC# 3A MAJOR ROADS (ASPHALT AND CONCRE
00-1650-W
MANCINI, DAVID A. - QUALIFYING
RIC-MAN INTERNATIONAL INC
2601 NW 48 ST
POMPANO BCH FL 330730002

EXPIRES 08/31/2009

503-207 (Rev. 3/07) BP200731047

Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

STEPHANIE C. KOPELOUSOS
SECRETARY

June 24, 2008

RIC-MAN INTERNATIONAL, INC.
2601 N. W. 48TH STREET
POMPANO BEACH, FLORIDA 33073

RE: CERTIFICATE OF QUALIFICATION

Dear Sir/Madam:

The Department of Transportation has qualified your company for the amount and the type of work indicated below. Unless your company is notified otherwise, this rating will expire 6/30/2009. However, the new application is due 4/30/2009.

In accordance with S.337.14 (1) F.S. your next application must be filed within (4) months of the ending date of the applicant's audited annual financial statements and, if applicable, the audited interim financial statements. Section 337.14 (4) F.S. provides that your certificate will be valid for 18 months after your financial statement date. This gives a two month period to allow you to bid on jobs as we process your new application for qualification. To remain qualified with the Department, a new application must be submitted subsequent to any significant change in the financial position or the structure of your firm as described in Section 14-22.005(3), Florida Administrative Code.

MAXIMUM CAPACITY RATING: $420,850,000.00

FDOT APPROVED WORK CLASSES:
DRAINAGE, FENCING, FLEXIBLE PAVING, GRADING, GRASSING, SEEDING AND SODDING, GUARDRAIL, MINOR BRIDGES

FDOT APPROVED SPECIALITY CLASSES OF WORK:
JACKING, WATER MAINS, OPEN CUT SEWERS 6 FEET DEEP AND OVER, CONTAMINATION REMEDIATION, SEWER REHABILITATION, PUMP STATIONS AND DIRECTIONAL DRILLING.

Please be advised the Department of Transportation has considered your company's qualification in all work classes requested. We have evaluated your company's organization, management, work experience, work performance and adequacy of equipment as directed by section 14-22.003, Florida Administrative Code. Based on this evaluation, the Department is not able, at this time, to prequalify your company for the work classes: DEBRIS REMOVAL, PAVEMENT MARKING, ROADWAY SIGNING, TRAFFIC SIGNAL.

RECEIVED
JUN 30 2008
BY:

You may apply, in writing, for a Revised Certificate of Qualification at any time prior to the expiration date of this certificate according to Section 14-22.0041(3), Florida Administrative Code. Please be advised if certification in additional classes of work is desired, documentation is needed to show that your company has done such work with your own forces and equipment or that experience was gained with another contractor and that you have the necessary equipment for each additional class of work requested.

Sincerely,

Juanita Moore

Juanita Moore, Manager
Contracts Administration Office

JM:cj

SURETY CAPACITY ELIGIBILITY DETERMINATION*

FIRM NAME
Ric-Man International, Inc.

DATE
6/19/08

CURRENT RATIO FACTOR

2.00

Less than 1.00 - Not Eligible for Increased Bidding Capacity
1.00 or Greater - Eligible

ABILITY SCORE

92

Less than 80 - Not Eligible for Increased Bidding Capacity.
80 - 90 - See Table for Surety Multiplier.
Greater than 90 - Amount Shown on Surety Letter.

TABLE

ABILITY SCORE (A.S.)	SURETY MULTIPLIER (S.M.)
80	3.0
81	3.4
82	3.8
83	4.2
84	4.6
85	5.0
86	5.6
87	6.2
88	6.8
89	7.4
90	8.0
>90	No limit to eligibility for surety backed Bid Capacity

SURETY CAPACITY FORMULA

(SURETY MULTIPLIER X MAXIMUM CAPACITY RATING X CONSTRUCTION REVENUES/TOTAL REVENUES)

(S.M.)		(MCR)		(CRV/TRV)
N/A	X	$420,850,000.00	X	1.00

EQUALS SURETY CAPACITY ELIGIBILTY

Unlimited

* Please see Rule 14-22 for information regarding surety calculations.

180

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD (850) 487-1395
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

RIC-MAN INTERNATIONAL INC
2601 NW 48TH ST
POMPANO BEACH FL 33073

STATE OF FLORIDA AC# 3240989
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

QB0008454 05/30/07 068192419

QUALIFIED BUSINESS ORGANIZATION
RIC-MAN INTERNATIONAL INC

(NOT A LICENSE TO PERFORM WORK. ALLOWS COMPANY TO DO BUSINESS IF IT HAS A LICENSED QUALIFIER.)

IS QUALIFIED under the provisions of Ch.489 FS.
Expiration date: AUG 31, 2009 L07053001361

DETACH HERE

AC# 3240989

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD SEQ# L07053001361

DATE	BATCH NUMBER	LICENSE NBR
05/30/2007	068192419	QB0008454

The BUSINESS ORGANIZATION
Named below IS QUALIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2009
(THIS IS NOT A LICENSE TO PERFORM WORK. THIS ALLOWS COMPANY TO DO BUSINESS ONLY IF IT HAS A QUALIFIER.)

RIC-MAN INTERNATIONAL INC
2601 NW 48TH ST
POMPANO BEACH FL 33073

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

HOLLY BENSON
SECRETARY

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD (850) 487-1395
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

MANCINI, DAVID ALLAN
RIC-MAN INTERNATIONAL INC
2601 NW 48TH ST
POMPANO BEACH FL 33073-3017

STATE OF FLORIDA AC# 2675382
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CUC044220 07/22/06 058090463

CERT UNDERGROUND & EXCAV CNTR
MANCINI, DAVID ALLAN
RIC-MAN INTERNATIONAL INC

IS CERTIFIED under the provisions of Ch.489 FS.
Expiration date: AUG 31, 2008 L06072200870

RECEIVED

AUG 14 2006

DETACH HERE

AC# 2675382

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD SEQ#L06072200870

DATE	BATCH NUMBER	LICENSE NBR
07/22/2006	058090463	CUC044220

The UNDERGROUND UTILITY & EXCAVATION CO
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2008

MANCINI, DAVID ALLAN
RIC-MAN INTERNATIONAL INC
2601 NW 48TH ST
POMPANO BEACH FL 33073-3017

JEB BUSH
GOVERNOR

SIMONE MARSTILLER
SECRETARY

DISPLAY AS REQUIRED BY LAW

CHEN&ASSOCIATES
Civil and Environmental Engineers

500 West Cypress Creek Road Suite 410
Fort Lauderdale, FL 33309
Telephone: (954) 730-0707
Fax: (954) 730-2030

May 7, 2008

Mr. Alexander Diaz, Town Manager
Town of Golden Beach
1 Golden Beach Drive
Golden Beach, FL 33160

Dear Mr. Diaz:

This letter is to address Ric-Man International, Inc.'s experience and ability to perform utility and roadwork within the public right-of-way. We have worked with Ric-Man International, Inc. for over eight years. They are a highly experienced firm managed by resourceful and dedicated employees. Ric-Man International, Inc. has a high work ethic and completes their projects on time and under budget. When the scope of a project changes, my firm is often able to add work through change orders at reasonable prices because of the speed and quality of their construction.

Ric-Man International, Inc. has a great sense of public awareness and is quick to respond to the few resident complaints received on projects. We frequently find that homeowner's associations within their projects request that we use them exclusively. In addition, they provide a very safe environment for their employees and the general public.

Professionalism and expertise are found at all levels throughout Ric-Man International, Inc., from David Mancini, president, and Rene L. Castillo, general manager, to the construction personnel. Ric-Man International, Inc.'s staff brainstorms for new, incisive ideas and procedures which they follow through on in a timely manner, thus saving time and money, and reducing impact to the general public.

We highly recommend Ric-Man International, Inc. for any neighborhood improvement type project.

Should you have any questions you may contact me at 954.730.0707 ext 104.

Sincerely,

CHEN AND ASSOCIATES
Peter Moore, PE
President

"Providing quality, responsive and professional service to clients, peers and the public for 20 years"

OFFICE OF THE MAYOR
Rae Carole Armstrong,
Mayor

UTILITIES DEPARTMENT
Hank Breitenkam, Director

Plantation

CITY COUNCIL
Sharon Uria, *President*
Jerry Fadgen, *President Pro Tem*
Diane Veltri Bendekovic
Dr. Robert A. Levy
Rico Petrocelli

March 28, 2006

RE: **Letter of Recommendation in favor of Ric-Man International, Inc.**

To Whom It May Concern:

Ric-Man International, Inc. is currently doing a design-build, $1.55 million dollar Capital Improvement Project for the City of Plantation that includes the directional boring of a 20" HDPE force main in a 24" sleeve and a 10" HDPE water main in a 12" sleeve under Florida's Turnpike, as well as an 8" HDPE water main under the Sunrise Boulevard canal and roadway.

Ric-Man has successfully completed the Turnpike portion of the project in order to avoid conflicts for the City with the Turnpike expansion project contractor. Every step of the way, Ric-Man's project coordinator keeps the City staff informed of the project's status and makes us cognizant of upcoming coordination requirements. *There have not been any surprises with Ric-Man.* Their staff is professional, meets deadlines, and can be counted on to give you the "straight story".

Immediately following Hurricane Wilma, Ric-Man's help was an essential part of this department's response to the repair of broken water mains. They didn't need any direction except to the location of the job. *They got the job done under quite adverse conditions.*

Ric-Man has earned my trust and confidence to get the job done.

Should you have any questions, please do not hesitate to contact me at 954-797-2293, or E Mail, hbreitenkam@plantation.org

Yours truly,

Hank Breitenkam,
Director of Utilities

400 NW 73rd Avenue ◆ Plantation, Florida 33317
954.797.2779 ◆ dgrey@Plantation.org

City of
OAKLAND PARK
F L O R I D A

February 5, 2008

To Whom It May Concern

It is my pleasure to write this letter of reference on behalf RIC-MAN International, firm that recently completed a $3.3 million-dollar drainage improvement project for the City of Oakland Park. This project included installation of 2,630 LF 4' by 7' box culvert, 2,600 LF of water mains and total restoration of a major Broward County road and efficient night and weekend operations crossing Oakland Park Blvd. Their teamwork in cooperation with our staff where the key elements in completing this project, 50 days, ahead of schedule and within budget.

In conclusion I would just say that we would not have any problems in contracting with RIC-MAN in the future, an excellent contractor.

Sincerely,

John M. Perez
Project Manager
Engineering & Community Development Department

3650 N.E. 12th Avenue • Oakland Park, Florida 33334
www.oaklandparkfl.org

Water Utilities Department
Engineering
P.O. Box 16097
West Palm Beach, FL 33416-6097
(561) 493-6000
Fax: (561) 493-6113
www.pbcwater.com

Palm Beach County
Board of County
Commissioners
Addie L. Greene, Chairperson
Jeff Koons, Vice Chair
Karen T. Marcus
Robert J. Kanjian
Mary McCarty
Burt Aaronson
Jess R. Santamaria

County Administrator
Robert Weisman

"An Equal Opportunity Affirmative Action Employer"

printed on recycled paper

RECEIVED
FEB - 4 2008

January 31, 2008

Nora W. Laudermilk, CPPB
Procurement Official,
City of West Palm Beach

I am delighted and privileged to write this letter of recommendation for Ric-Man International, Inc. I have been working with David Mancini and Rene Castillo their President and General Manager for over 18 years. They have performed many projects for me while at Broward County and now at Palm Beach Utilities. Ric-Man International specializes in neighborhood improvements projects, consisting of drainage, water and sewer including pump stations, directional drilling and sub-aqueous crossings as well as roadways, concrete work, and landscaping.

Ric-Man has consistently completed all my projects ahead of schedule. In some instances they collected from the County bonus payments for expediting their work. We have received very few complaints from residents due to Ric-Man's procedures in direct communication with local residents advising them of ahead of time of what they can expect and resolving the minor issues that have come up diligently.

The County has often benefited from Ric-Man International's efficient and innovative ideas and procedures which expedite the work and reduce costs. Their communication skill result in efficient construction, good documentation, and prompt coordination with utility companies, municipalities and the general project.

I embrace working with Ric-Man International in the future and highly recommend them to any municipality desiring an experienced and resourceful contractor.

If you desire you may contact me at (561) 493-6088.

Sincerely,

Joseph Tanacredi, P. E.

1/30/08

Nora Laudermilk
CPPB Procurement Official
City of West Palm Beach, FL

RE: Ric Man International, Inc.

Dear Ms. Laudermilk,

We are glad to recommend Ric Man International, Inc. as a very experienced Contractor in performing drainage, water, sewer, pump stations, roadway, sidewalks and landscaping. They have worked on several of our Projects over the past ten (10) years and have completed quality work in a timely fashion utilizing many subcontractors, including minority contractors, for different aspects of the Work.

We have a great working relationship with Ric Man International, Inc. and seek their assistance for determining practical solutions to many difficult scenarios that arise during the course of any Project. They have always been helpful to us in cost analysis for other than normal construction applications.

We consider them a top quality construction company and highly recommend them.

Should you require any additional information regarding Ric Man International, Inc. please contact myself.

Sincerely,

Craven Thompson & Associates

Patrick J. Gibney, P.E.
Project Manager

CRAVEN THOMPSON
& ASSOCIATES INC.

Engineers
Planners
Surveyors

3563 N.W. 53rd Street
Fort Lauderdale, FL 33309-6311
(954) 739-6400
Fax (954) 739-6409

West Palm Beach

MIAMI-DADE

General Services Administration
Construction Management &
Renovation Services Division
Office of the Director
1 1 NW 1st Street • Suite 2420
Miami, Florida 33128-1909
T 305-375-1101 F 305-375-1125

miamidade.gov

January 25, 2008

Ms. Nora W Laudermilk, CPPB
Procurement Official
1045 Charlotte Ave.
West Palm Beach, FL 33401

RE: Ric-Man International Inc. Letter of Recommendation

Dear Ms. Laudermilk:

Over the last 20 years I have personally managed numerous projects with Ric-Man International. Their integrity and productivity is well above average. As an Underground Engineering Contractor, Ric-Man International, have furnished and installed thousands of feet of pipe from 120-inch concrete pre-stressed pipe to 8-inch ductile iron pipe; both in water lines and in deep sanitary sewers. Their personnel are very well experienced in underground utilities and roadways construction. They have also performed especially well at directional drilling, pumps stations, subaqueous crossings, and aerial crossings. They work very closely with the governing agencies, such as FDOT. With this close rapport they have been able to close major intersections (such as Kendall Drive, a major 8 lane road) for a weekend, while installing a 72" pre-stressed concrete cylinder pipe, which they completed ahead of schedule.

I understand your project has three (3) major crossings; Ric-Man has performed many such crossings in Miami-Dade County for the Water and Sewer Department. All completed on schedule even after several unforeseen conflicts were encountered, many over a single weekend. They own all the necessary equipment, there are no delays in renting or procuring equipment, which results in having the right machine at the right time with no excuses.

I highly recommend Ric-Man International as one of the premier contractors in South Florida.

If you desire you may contact me at 786-469-2061 for additional information.

Sincerely,

Armando Rubio
Construction Manager 3
Miami-Dade County GSA, DCSD
172 W. Flagler Street, Suite 330
Miami, Fl 33130

BROWARD COUNTY
FLORIDA

Public Works and Transportation Department • Water and Wastewater Services
WATER AND WASTEWATER ENGINEERING DIVISION
2555 West Copans Road • Pompano Beach, Florida 33069 • 954-831-0745 • FAX 954-831-0798/0925

January 28, 2008

Nora W. Laudermilk
CPPB, Procurement Official
City of West Palm Beach
1045 Charlotte Avenue
West Palm Beach, FL 33401

Subject: LETTER OF REFERENCE
RIC MAN INTERNATIONAL

Dear Ms. Laudermilk:

Ric-Man International has completed several Bid Packages in Broward County's ongoing Neighborhood Improvement Program. They have completed each project on time and under budget with special emphasis placed on public awareness. They do not file frivolous change order requests and pay attention to directives and specifications.

I plan to work with them on future Neighborhood Improvement projects and highly recommend them.

Sincerely;

Patrick J. MacGregor
Expansion Project Administrator

PJM/cy

G:\EED\...\ric-man letter of reference.doc

Broward County Board of County Commissioners
Josephus Eggelletion, Jr. • Sue Gunzburger • Kristin D. Jacobs • Ken Keecht • Ilene Lieberman • Stacy Ritter • John E. Rodstrom, Jr. • Diana Wasserman-Rubin • Lois Wexler
www.broward.org

CHEN&ASSOCIATES
Civil and Environmental Engineers

500 West Cypress Creek Road Suite 410
Fort Lauderdale, FL 33309
Telephone: (954) 730-0707
Fax: (954) 730-2030

January 25, 2008

Nora W. Laudermilk, CPPB, Procurement Official
City of West Palm Beach
1000 45th Street – Suite 15
West Palm Beach, FL 33407-2434

Dear Ms. Lauderdmilk:

This letter is to address Ric-Man International, Inc.'s experience and ability to perform utility and roadwork within the public right-of-way. We have worked with Ric-Man International, Inc. for over 8 years. They are a highly experienced firm managed by resourceful and dedicated employees. Ric-Man International, Inc. has a high work ethic and completes their projects on time and on budget. When the scope of a project changes, my firm is often able to add work through change orders at reasonable prices because of the speed and quality of their construction.

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We highly recommend Ric-Man International, Inc. for any neighborhood improvement type project.

Should you have any questions you may contact me at 954.730.0707 ext 104.

Sincerely,

CHEN AND ASSOCIATES
Peter Moore, PE
President

"Providing quality, responsive and professional service to clients, peers and the public for 20 years"

City of Lauderhill
2000 City Hall Drive, Lauderhill, Florida 33313

June 21st, 2006

TO WHOM IT MAY CONCERN,

This is a letter of reference in favor of RIC-MAN International, Incorporated.

RIC-MAN International, Inc. was awarded a contract by the City of Lauderhill for $837,000 in December 2005 to extend sewer mains. This project was completed under budget and ahead of schedule.

For the duration of this project there was a very good relationship between City staff and that of RIC-MAN International, Inc. They cooperated with us to resolve any issues quickly and efficiently. The staff of Ric-Man always acted very professionally.

The City of Lauderhill was very pleased with the work of RIC-MAN International, Inc. and a second contract was awarded to RIC-MAN International, Inc. for $1,220,000 for the replacement of water and sewer mains.

The City of Lauderhill hereby recommends RIC-MAN International, Inc. to anyone requiring their services for similar projects.

Yours truly,

Indar Maharaj
Capital Projects Manager

MIAMIBEACH

City of Miami Beach, 1700 Convention Center Drive, Miami Beach, Florida 33139, www.miamibeachfl.gov

CAPITAL IMPROVEMENT PROJECTS OFFICE
Tel: 305-673-7071, Fax: 305-673-7073

April 7, 2006

To whom it may concern:

Ric-Man International is presently engaged in an infrastructure and streetscape reconstruction project valued at approximately $16 million within the City of Miami Beach on Washington Avenue. The project is approximately ninety percent complete.

The project has enjoyed the support of both the residents and the business community in the area due in great part to the manner in which the construction has been conducted and the efforts taken by Ric-Man to mitigate the impacts to the neighborhood. We are pleased to say that the project is several months ahead of schedule.

In addition, during the course of this project, the City has had several emergency repairs on which Ric-Man International has assisted and has expedited. In these efforts and in the overall project Ric-Man has performed very well. The City would not hesitate to use them again in any future projects and we highly recommend them.

If you have any questions do not hesitate to call me at the phone listed above.

Sincerely,

Jorge E. Chartrand, Director

F:\CAPI\$all\Chartrand\RICMANRecommendation.dot

OFFICE OF THE MAYOR
Rae Carole Armstrong,
Mayor

UTILITIES DEPARTMENT
Hank Breitenkam, Director

Plantation

CITY COUNCIL
Sharon Uria, *President*
Jerry Fadgen, *President Pro Tem*
Diane Veltri Bendekovic
Dr. Robert A. Levy
Rico Petrocelli

March 28, 2006

RE: **Letter of Recommendation in favor of Ric-Man International, Inc.**

To Whom It May Concern:

Ric-Man International, Inc. is currently doing a design-build, $1.55 million dollar Capital Improvement Project for the City of Plantation that includes the directional boring of a 20" HDPE force main in a 24" sleeve and a 10" HDPE water main in a 12" sleeve under Florida's Turnpike, as well as an 8" HDPE water main under the Sunrise Boulevard canal and roadway.

Ric-Man has successfully completed the Turnpike portion of the project in order to avoid conflicts for the City with the Turnpike expansion project contractor. Every step of the way, Ric-Man's project coordinator keeps the City staff informed of the project's status and makes us cognizant of upcoming coordination requirements. *There have not been any surprises with Ric-Man.* Their staff is professional, meets deadlines, and can be counted on to give you the "straight story".

Immediately following Hurricane Wilma, Ric-Man's help was an essential part of this department's response to the repair of broken water mains. They didn't need any direction except to the location of the job. *They got the job done under quite adverse conditions.*

Ric-Man has earned my trust and confidence to get the job done.

Should you have any questions, please do not hesitate to contact me at 954-797-2293, or E Mail, hbreitenkam@plantation.org

Yours truly,

Hank Breitenkam,
Director of Utilities

400 NW 73rd Avenue ◆ Plantation, Florida 33317
954.797.2779 ◆ dgrey@Plantation.org

BROWARD COUNTY
FLORIDA
Public Works and Transportation Department - Water and Wastewater Services
WATER AND WASTEWATER ENGINEERING DIVISION
2555 West Copans Road • Pompano Beach, Florida 33069 • 954-831-0745 • FAX 954-831-0798/0925

March 24, 2008

Mr. Robert Pushkin, Assistant City Manager
City of North Bay Village
7903 East Drive
North Bay Village, FL 33141-3310

RE: RIC-MAN INTERNATIONAL LETTER OF RECOMMENDATION

Dear Mr. Pushkin:

Ric-Man International is presently completing two projects valued at over $ 20 million in neighborhood improvement construction projects with Broward County Water and Wastewater Services. These projects consist of water main installation; sewer and sewer lift station installation as well as paving, drainage and landscaping. One project is 98% complete and the other is 50% complete. The project has enjoyed the support of residents due to Ric-Man's care and concern for the affected homeowners and businesses. Ric-Man has performed several of these comprehensive neighborhood improvement projects and the County has been very pleased with their performance.

Ric-Man also performed an emergency installation of almost 10,000 linear feet of 20" water main along the State Road 7 corridor. This work was complete under the three million dollar budget and completed in two months time. This was one month ahead of a very tight schedule imposed by FDOT. Additionally, Ric-Man was crucial in making emergency repairs to our utility system following the passing of Hurricane Wilma.

We would highly recommend them for any utility installation or emergency repairs for your City.

Sincerely,

Alan W. Garcia, P.E.
Director

AWG/lm

0322 ricman recommendation.doc

Broward County Board of County Commissioners
Josephus Eggelletion, Jr. • Ben Graber • Sue Gunzburger • Kristin D. Jacobs • Ilene Lieberman • John E. Rodstrom, Jr. • Jim Scott • Diana Wasserman-Rubin • Lois Wexler
www.broward.org

Miami-Dade Water and Sewer Department
P. O. Box 330316 • 3071 SW 38th Avenue
Miami, Florida 33233-0316
T 305-665-7471

miamidade.gov

ADA Coordination
Agenda Coordination
Art in Public Places
Audit and Management Services
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Building
Business Development
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Communications
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Employee Relations
Enterprise Technology Services
Environmental Resources Management
Fair Employment Practices
Finance
Fire Rescue
General Services Administration
Historic Preservation
Homeless Trust
Housing Agency
Housing Finance Authority
Human Services
Independent Review Panel
International Trade Consortium
Juvenile Assessment Center
Medical Examiner
Metropolitan Planning Organization
Park and Recreation
Planning and Zoning
Police
Procurement Management
Property Appraiser
Public Library System
Public Works
Safe Neighborhood Parks
Seaport
Solid Waste Management
Strategic Business Management
Team Metro
Transit
Urban Revitalization Task Force
Vizcaya Museum and Gardens
Water and Sewer

March 22, 2006

Mr. Robert Pushkin, Assistant City Manager
City of North Bay Village
7903 East Drive
Harbor Island, Florida

Re: Ric-Man International

Dear Mr. Pushkin:

Ric-Man International has successfully completed several million dollar projects over the past 23 years. They have consistently completed projects ahead of schedule.

There have been several occasions in which emergency work was necessary in which Ric-Man International provided the department a very fair price and efficiently completed the emergency work even in scenario where modifications had to be made as the work progressed. They are very resourceful in coming up with time saving and cost effective modifications resulting in improvement in our own design. We will continue to use Ric-Man International on any future emergency work and highly recommend their expertise.

If you need additional information contact me at telephone number 786-552-8148

Sincerely,

Armando Rubio
Construction Manager II

C: Rene Castillo, General Manager
Ric-Man International
File

Fienberg-Fisher Elementary School

1420 Washington Avenue, Miami Beach, Florida 33139
Phone (305) 531-0419 ♦ Fax (305) 534-3925
Internet http://fienberg.dadeschools.net
"Educating the Leaders of Tomorrow"

Rudolph F. Crew, Ed.D.
Superintendent of Schools
Miami-Dade County Public Schools

Dr. Martin Karp
School Board Member
Miami-Dade County Public Schools

Olga M. Figueras
Principal

Assistant Principals:
Bettye Y. White
Maria G. Zabala

November 1, 2006

TO WHO IT MAY CONCERN:

I am writing this letter of recommendation on behalf of the Construction Team at Ric-Man International. As this project began and our surrounding began to change with the implementation of this project, this group made each phase of the project run smoothly, making sure at the end of each day business continue as usual.

They kept us informed, maintained our surroundings as clean as possible, worked longer hours. This evidences that working together as a team, projects can run well and be completed in a timely manner.

If you should need any additional information, you may contact me at (305) 531-0419 ext. 144.

Sincerely,

Olga M. Figueras

Olga M. Figueras,
Principal

OMF:olr

Mission Statement
The mission of Fienberg/ Fisher Elementary and Adult Center is to develop independent, life long, academically successful, healthy learners by working in partnership with our families and community.

Section E – Construction Team

Lanzo Construction of Florida

Licenses, Certifications, and Letter of Recommendations

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD (850) 487-1395
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

TILLI, MATTHEW PRESTON
LANZO CONSTR CO FLORIDA
660 UNION AVE
CRESCENT CITY FL 32112

STATE OF FLORIDA AC# 2647850
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CUC049468 07/08/06 060007737

CERT UNDERGROUND & EXCAV CNTR
TILLI, MATTHEW PRESTON
LANZO CONSTR CO FLORIDA

IS CERTIFIED under the provisions of Ch.489 FS.
Expiration date: AUG 31, 2008 L06070801458

DETACH HERE

C# 2647850 STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD SEQ#L06070801458

DATE	BATCH NUMBER	LICENSE NBR
07/08/2006	060007737	CUC049468

The UNDERGROUND UTILITY & EXCAVATION CO
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2008

LLI, MATTHEW PRESTON
ANZO CONSTR CO FLORIDA
60 UNION AVE
CRESCENT CITY FL 32112

JEB BUSH
GOVERNOR

SIMONE MARSTILLER
SECRETARY

DISPLAY AS REQUIRED BY LAW

198

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD (850) 487-1395
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

TILLI, MATTHEW PRESTON
LANZO CONSTR CO FLORIDA
660 UNION AVE
CRESCENT CITY FL 32112

STATE OF FLORIDA AG# 2647614
DEPARTMENT OF BUSINESS AND
PROFESSIONAL REGULATION

CGC036262 07/08/06 060007736

CERTIFIED GENERAL CONTRACTOR
TILLI, MATTHEW PRESTON
LANZO CONSTR CO FLORIDA

IS CERTIFIED under the provisions of Ch.489 FS.
Expiration date: AUG 31, 2008 L06070801223

DETACH HERE

2647614 STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD SEQ#L06070801223

DATE	BATCH NUMBER	LICENSE NBR
7/08/2006	060007736	CGC036262

The GENERAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2008

TILLI, MATTHEW PRESTON
LANZO CONSTR CO FLORIDA
660 UNION AVE
CRESCENT CITY FL 32112

JEB BUSH
GOVERNOR

SIMONE MARSTILLER
SECRETARY

DISPLAY AS REQUIRED BY LAW

199

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD (850) 487-1395
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

LANZO CONSTRUCTION CO FLORIDA
125 SE 5TH CT
DEERFILED BEACH FL 33441

AC# 3251718

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

QB0008550 06/05/07 060761926

QUALIFIED BUSINESS ORGANIZATION
LANZO CONSTRUCTION CO FLORIDA

(NOT A LICENSE TO PERFORM WORK. ALLOWS COMPANY TO DO BUSINESS IF IT HAS A LICENSED QUALIFIER.)

IS QUALIFIED under the provisions of Ch. 489 FS.
Expiration date: AUG 31, 2009 L0706050142 6

DETACH HERE

AC# 3251718

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L0706050142 6

DATE	BATCH NUMBER	LICENSE NBR
06/05/2007	060761926	QB0008550

The BUSINESS ORGANIZATION
Named below IS QUALIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2009
(THIS IS NOT A LICENSE TO PERFORM WORK. THIS ALLOWS COMPANY TO DO BUSINESS ONLY IF IT HAS A QUALIFIER.)

LANZO CONSTRUCTION CO FLORIDA
125 SE 5TH CT
DEERFIELD BEACH FL 33441

VOID

CHARLIE CRIST
GOVERNOR

HOLLY BENSON
SECRETARY

200

MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT
111 N.W. 1st STREET, SUITE 1510
MIAMI, FL 33128 (305) 375-2705

TRADE:
ENGINEERING
SKILL: ELIGIBLE

PERSONAL
CERTIFICATE OF ELIGIBILITY
EXPIRES ON 09/30/2007

TILLI MATTHEW P
SS#: 381-46-8443

FOLD HERE

CATEGORY(S):
GENERAL ENGINEER

PLACE
PHOTO
HERE

Signature of Certificate Holder

HERMINIO GONZALEZ, P.E.
Secretary Construction Trades Qualifying Board

Certificate Not Valid For Contracting

INSTRUCTIONS

1. SIGN CERTIFICATE - ATTACH PICTURE - FOLD - LAMINATE
2. NOTIFY CONTRACTOR SECTION OF ANY CHANGE OF ADDRESS.
3. ABIDE BY THE RULES AND REGULATIONS OF CHAPTER 10 OF THE CODE OF MIAMI-DADE COUNTY.

NOTE: THIS LICENSE IS THE PROPERTY OF MIAMI-DADE BUILDING CODE COMPLIANCE OFFICE.

TILLI MATTHEW P
600 UNION AVENUE
CRESENT CITY FL 32112

MIAMI-DADE COUNTY

CTQB

Construction Trades Qualifying Board
BUSINESS CERTIFICATE OF COMPETENCY

E1233

Exp. Date: **09/30/2009**

TILLI MATTHEW P

LANZO CONSTR CO FLORIDA

D.B.A.:

VALID FOR CONTRACTING

Is certified under the provisions of Chapter 10 of Miami-Dade County

QUALIFYING TRADE(S)

0001 GENERAL ENGINEERING

Herminio F. Gonzalez P.E.
Secretary of the Board

www.miamidade.gov/buildingcode

VALID FOR CONTRACTING

Miami-Dade County Building Code Compliance Office

1A PRIMARY PIPELINES (WATER, SEWER, DR

87-975
TILLI, MATTHEW P. - QUALIFYING
LANZO CONSTRUCTION CO FL
125 SE 5 CT
DEERFIELD BEACH FL 33441
EXPIRES 08/31/2009

BROWARD COUNTY FLORIDA

CERTIFICATE OF COMPETENCY
Detach and SIGN the reverse side of this card IMMEDIATELY upon receipt! You should carry this card with you at all times.

Contractor must obtain a photo I.D. Certificate of Competency Card every four years.

TILLI, MATTHEW P.
660 UNION AVE
CRESCENT CITY FL 32112

BROWARD COUNTY, FLORIDA
CERTIFICATE OF COMPETENCY

CC# 1A PRIMARY PIPELINES (WATER, SEWER, D
87-975
TILLI, MATTHEW P. - QUALIFYING
LANZO CONSTRUCTION CO FL
125 SE 5 CT
DEERFIELD BEACH FL 33441

EXPIRES 08/31/2009

03-207 (Rev. 3/07) BP200731047

3A MAJOR ROADS (ASPHALT AND CONCRETI

87-975
TILLI, MATTHEW P. - QUALIFYING
LANZO CONSTRUCTION CO FL
125 SE 5 CT
DEERFIELD BEACH FL 33441
EXPIRES 08/31/2009

BROWARD COUNTY FLORIDA

CERTIFICATE OF COMPETENCY
Detach and SIGN the reverse side of this card IMMEDIATELY upon receipt! You should carry this card with you at all times.

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TILLI, MATTHEW P.
660 UNION AVE
CRESCENT CITY FL 32112

BROWARD COUNTY, FLORIDA
CERTIFICATE OF COMPETENCY

CC# 3A MAJOR ROADS (ASPHALT AND CONCRE
87-975
TILLI, MATTHEW P. - QUALIFYING
LANZO CONSTRUCTION CO FL
125 SE 5 CT
DEERFIELD BEACH FL 33441

EXPIRES 08/31/2009

I3-207 (Rev. 3/07) BP200731047

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROF SURVEYORS & MAPPERS (850) 487-1395
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

LANZO COSTRUCTION CO FLORIDA
125 SE 5TH CT
DEERFIELD BEACH FL 33441

RECEIVED
JAN 29 2007
BY:

STATE OF FLORIDA AC# 3035452
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

LB7329 01/18/07 067036982

SURVEYING & MAPPING BUSINESS
LANZO COSTRUCTION CO FLORIDA

IS CERTIFIED under the provisions of Ch 472 FS.
Expiration date: FEB 28, 2009 L0701180122 5

DETACH HERE

AC# 3035452

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROF SURVEYORS & MAPPERS SEQ# L0701180122 5

DATE	BATCH NUMBER	LICENSE NBR
01/18/2007	067036982	LB7329

The SURVEYING & MAPPING BUSINESS
Named below IS CERTIFIED
Under the provisions of Chapter 472 FS.
Expiration date; FEB 28, 2009

LANZO COSTRUCTION CO FLORIDA
125 SE 5TH CT
DEERFIELD BEACH FL 33441

CHARLIE CRIST HOLLY BENSON

205

CITY OF DEERFIELD BEACH

BUSINESS TAX RECEIPT

2007-2008

LICENSE NO.
08-00022242

NEW RENEWAL X

LANZO CONSTRUCTION COMPANY FLA
ROL NO 150161
BUSINESS NAME LANZO CONSTRUCTION CO FLA
LOCATION 125 SE 5 CT
CLASSIFICATION WAREHOUSING AND STORAGE
STORAGE OF EQUIPMENT

DATE ISSUED	9/21/07
LICENSE FEE	118.80
DELINQUENT CHG.	.00
TRANSFER FEE	.00
TOTAL AMOUNT PAID	118.80

LICENSE ISSUED FOR THE PERIOD
OCTOBER 1 2007 SEPTEMBER 30 2008

LANZO CONSTRUCTION CO FLA
1 SE 5 CT
DEERFIELD BEACH FL 33441

LICENSE MUST BE CONSPICUOUSLY DISPLAYED TO PUBLIC VIEW AT BUSINESS LOCATION

TRANSFER FEE 11.88

Notice: This license becomes NULL and VOID if ownership, business name, or address is changed. Licensee must apply to License Department for Transfer.

CITY OF DEERFIELD BEACH

BUSINESS TAX RECEIPT

2007-2008

LICENSE NO.
08-00021875

NEW RENEWAL X

LANZO CONSTRUCTION COMPANY FLA
ROL NO. 150161
BUSINESS NAME LANZO CONSTRUCTION CO FLA
LOCATION 125 SE 5 CT
CLASSIFICATION GENERAL CONTRACTOR
MATTHEW TILLI, QUALIFIER

DATE ISSUED	8/24/07
LICENSE FEE	117.60
DELINQUENT CHG.	.00
TRANSFER FEE	.00
TOTAL AMOUNT PAID	117.60

LICENSE ISSUED FOR THE PERIOD
OCTOBER 1 2007 SEPTEMBER 30 2008

LANZO CONSTRUCTION CO FLA
1 SE 5 CT
DEERFIELD BEACH FL 33441

LICENSE MUST BE CONSPICUOUSLY DISPLAYED TO PUBLIC VIEW AT BUSINESS LOCATION

TRANSFER FEE 11.76

Notice: This license becomes NULL and VOID if ownership, business name, or address is changed. Licensee must apply to License Department for Transfer.

Section E – Design Team

Design Team Licenses, Certifications, and Letter of Recommendations

State of Florida

Department of State

I certify from the records of this office that A & P CONSULTING TRANSPORTATION ENGINEERS CORP. is a corporation organized under the laws of the State of Florida, filed on January 17, 1995.

The document number of this corporation is P95000003950.

I further certify that said corporation has paid all fees due this office through December 31, 2008, that its most recent annual report was filed on March 26, 2008, and its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

Given under my hand and the Great Seal of Florida, at Tallahassee, the Capital, this the Fifth day of May, 2008

Secretary of State

Authentication ID: **100128507711-050508-P95000003950**

To authenticate this certificate, visit the following site, enter this ID, and then follow the instructions displayed.
https://efile.sunbiz.org/certauthver.html

PQ Certificate No.:	**2008-650770583-07**
Approval Date:	**6/18/2008**
Expiration Date:	**6/30/2009**

Miami-Dade County, Florida
Office of Capital Improvements (OCI)

ARCHITECTURE/ENGINEERING (A/E) PRE-QUALIFICATION CERTIFICATE

This certificate is hereby issued to:

A & P Consulting Transportation Engineers, Inc.
10305 NW 41st Street, Suite 115
Doral, FL 33178

The above name applicant is pre-qualified to provide professional A/E services for Miami-Dade County for the period indicated above. The applicant has committed its firm to comply with the specific conditions listed below:

1. Pre-Qualified to offer professional services only in the Miami-Dade County technical categories shown in the attached "Statement of Technical Qualifications." All technical category restrictions must be strictly adhered to.

2. Pre-Qualification Certification (PQC) consolidates the technical certification, affirmative action plan, and vendor registration into one streamlined certification process resulting in the issuance of a Pre-Qualification Certificate.

3. Report any significant changes, such as contact person, qualifier, ownership, firm address, etc., to OCI's Professional Services Division located at 111 NW 1st Street, Suite 2130, Miami, FL 33128, within 30 days of such a change. Failure to report said changes to the County may result in the immediate suspension or termination of your firm's Pre-Qualification Certification.

4. Firms are responsible for observing and adhering to Miami-Dade County's Administrative Order 3-39 "Standard process for construction of capital improvements, acquisition of professional services, construction contracting, change orders and reporting".

5. Failure to renew your firm's PQC at least thirty (30) days prior to your firm's current expiration date may result in the suspension and/or termination from County programs and current or future contracts until your firm's Pre-Qualification Certification has been properly renewed. Any lapses in the certification of any of the required PQC areas (vendor registration, affirmative action plan, or technical certification) will result in a lapse in your PQC. Firms are responsible for observing and adhering to all submission deadlines.

6. Any renewal applications and/or supporting documents submitted after the application deadline might delay the review of your firm's PQC certification to the next available Technical Certification Committee meeting. The PQC application, submission deadlines, and the Technical Certification Committee meeting calendar can be found on OCI's web site located at www.miamidade.gov/oci.

7. Permit Miami-Dade County representatives to have access during normal business hours to audit books and records to verify information submitted with this application. This right of access shall commence on the approval date of this certificate and shall terminate on its expiration date.

Please note that if at any time Miami-Dade County's has reason to believe that any person or firm has willfully and knowingly provided incorrect information or made false statements, the County may refer the matter to the State Attorney's Office and/or other investigative agencies, initiate debarment procedures, and/or pursue sanctions or other legal remedies in accordance with Miami-Dade County policy and/or applicable federal, state and local laws.

If you have any questions regarding this certificate, please contact the PQC Unit at (305) 375-4784.

MIAMI-DADE

Luisa M. Donovan

Luisa Millan Donovan, R.A., Chief
Professional Services Division

MIAMI - DADE

Miami-Dade County
Office of Capital Improvements
Statement of Engineering, Architecture, Landscape Architecture, Land Surveying and Mapping Certification

Firm: A & P Consulting Transportation Engineers Corp.
10305 NW 41st Street, Suite 115
Doral, FL 33178

CATEGORY NO:	CATEGORY DESCRIPTION	Approval Date	Expiration Date
1.01	TRANSPORTATION PLANNING - URBAN AREA AND REGIONAL TRANSPORTATION PLANNING	6/18/2008	6/30/2009
2.04	MASS TRANSIT SYSTEMS - MASS TRANSIT CONTROLS, COMMUNICATIONS & INFORMATION SYSTEMS	6/18/2008	6/30/2009
3.01	HIGHWAY SYSTEMS - SITE DEVELOPMENT AND PARKING LOT DESIGN	6/18/2008	6/30/2009
3.02	HIGHWAY SYSTEMS - HIGHWAY DESIGN	6/18/2008	6/30/2009
3.04	HIGHWAY SYSTEMS - TRAFFIC ENGINEERING STUDIES	6/18/2008	6/30/2009
3.05	HIGHWAY SYSTEMS - TRAFFIC COUNTS	6/18/2008	6/30/2009
3.06	HIGHWAY SYSTEMS - TRAFFIC CALMING	6/18/2008	6/30/2009
3.07	HIGHWAY SYSTEMS - TRAFFIC SIGNAL TIMING	6/18/2008	6/30/2009
3.08	HIGHWAY SYSTEMS - INTELLIGENT TRANSPORTATION SYSTEMS ANALYSIS, DESIGN, AND IMPLEMENTATION	6/18/2008	6/30/2009
3.09	HIGHWAY SYSTEMS - SIGNING, PAVEMENT MARKING, AND CHANNELIZATION	6/18/2008	6/30/2009
3.1	HIGHWAY SYSTEMS - LIGHTING	6/18/2008	6/30/2009

Luisa M. Donovan

Luisa Millan Donovan, R. A., Chairperson
Chief, Professional Services Division
Office of Capital Improvements

Miami-Dade County
Office of Capital Improvements
Statement of Engineering, Architecture, Landscape Architecture, Land Surveying and Mapping Certification

Firm: A & P Consulting Transportation Engineers Corp.
10305 NW 41st Street, Suite 115
Doral, FL 33178

CATEGORY NO:	CATEGORY DESCRIPTION	Approval Date	Expiration Date
3.11	HIGHWAY SYSTEMS - SIGNALIZATION	6/18/2008	6/30/2009
4.01	AVIATION SYSTEMS - ENGINEERING DESIGN	6/18/2008	6/30/2009
6.01	WATER AND SANITARY SEWER SYSTEMS - WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS	6/18/2008	6/30/2009
6.02	WATER AND SANITARY SEWER SYSTEMS - MAJOR WATER AND SANITARY SEWAGE PUMPING FACILITIES	6/18/2008	6/30/2009
8.00	TELECOMMUNICATION SYSTEMS	6/18/2008	6/30/2009
10.01	ENVIRONMENTAL ENGINEERING - STORMWATER DRAINAGE DESIGN ENGINEERING SERVICES	6/18/2008	6/30/2009
12.00	GENERAL MECHANICAL ENGINEERING	6/18/2008	6/30/2009
13.00	GENERAL ELECTRICAL ENGINEERING	6/18/2008	6/30/2009
14.00	ARCHITECTURE	6/18/2008	6/30/2009
16.00	GENERAL CIVIL ENGINEERING	6/18/2008	6/30/2009
17.00	ENGINEERING CONSTRUCTION MANAGEMENT	6/18/2008	6/30/2009
18.00	ARCHITECTURAL CONSTRUCTION MANAGEMENT	6/18/2008	6/30/2009

Luisa M. Donovan

Luisa Millan Donovan, R. A., Chairperson
Chief, Professional Services Division
Office of Capital Improvements

MIAMI - DADE

Miami-Dade County
Office of Capital Improvements
Statement of Engineering, Architecture, Landscape Architecture, Land Surveying and Mapping Certification

Firm: A & P Consulting Transportation Engineers Corp.
10305 NW 41st Street, Suite 115
Doral, FL 33178

CATEGORY NO:	CATEGORY DESCRIPTION	Approval Date	Expiration Date
22.00	ADA TITLE II CONSULTANT	6/18/2008	6/30/2009

Luisa M. Donovan

Luisa Millan Donovan, R. A., Chairperson
Chief, Professional Services Division
Office of Capital Improvements

MIAMI-DADE COUNTY

Carlos Alvarez, Mayor

Capital Improvements
111 NW 1st Street • Suite 2130
Miami, Florida 33128-1926
T 305-375-2724 F 305-372-6130

miamidade.gov

June 19, 2008

Antonio Acosta
A & P CONSULTING TRANSPORTATION ENGINEERS CORP.
10305 NW 41 St, Suite 115
Miami, FL 33178

RE: Affirmative Action Plan (No. 2002-0340)

Dear Mr. Acosta:

Your firm's Affirmative Action Plan (AAP) has been reviewed and approved. Your AAP approval is effective until June 30, 2009. Enclosed is your Affirmative Action Declaration of Policy Certificate for display in a conspicuous location within your facility.

In addition to the requirements of Miami-Dade County Ordinance 82-37 (Acquisition of professional architectural, engineering, landscape architectural; or land surveying services/Affirmative Action Plan), Administrative Order 3-39 (Acquisition of Professional Services) requires that:

> "Firms interested in providing professional services for the County must have an active PQC, issued by the County through OCI, prior to the submittal deadline of any solicitation, which shall be maintained without lapse throughout the course of the project."

Pre-Qualification Certification (PQC) is the culmination of the various certification processes, which includes, but may not be limited to, technical certification, affirmative action plan verification, vendor registration, execution of the basic County affidavits, supplemental forms, and any further requirements established by the BCC. Therefore, please submit your PQC application to OCI immediately for review.

A copy of the PQC application may be obtained from OCI via our website located at www.miamidade.gov/sba/forms.asp. Additionally, your firm must also be a registered vendor with the Department of Procurement Management.

If you have any questions regarding the PQC process, please contact the Pre-Qualification Unit at (305) 375-4784.

Sincerely,

Luisa M. Donovan

Luisa Millan Donovan, R.A., Chief
Professional Services Division/Office of Capital Improvements

AAPR0010 v20080307

DECLARATION OF POLICY

Affirmative Action Plan No: 2002-0340
Expiration Date: 06/30/2009

A & P CONSULTING TRANSPORTATION ENGINEERS CORP.
10305 NW 41 St, Suite 115
Miami, FL 33178

Phone: 305-592-7283
Fax: 305-593-1594

In accordance with the requirements of Miami-Dade County Ordinance 82-37 and/or Ordinance 98-30 and Resolution No. 1049-93, A & P CONSULTING TRANSPORTATION ENGINEERS CORP. affirms its commitment to equal employment opportunity and has submitted an Affirmative Action Plan for the purpose of maintaining that promise with particular emphasis on the minority workforce population and the utilization of minority professional firms, consultants and/or suppliers.

MIAMI-DADE COUNTY

Antonio Acosta — Date
Affirmative Action Officer

Luisa M. Donovan 06/19/2008
Luisa Millan Donovan, R.A., Chief — Date
Professional Services Division/Office of Capital Improvements

AAPR0050 v20080307

Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

STEPHANIE C. KOPELOUSOS
SECRETARY

July 16, 2008

Antonio G. Acosta, President
A & P CONSULTING TRANSPORTATION
ENGINEERS
10305 NW 41st Street, Suite 115
Doral, Florida 33178

Dear Mr. Acosta:

The Florida Department of Transportation has reviewed your application for qualification package and determined that the data submitted is adequate to qualify your firm for the following types of work:

Group 3 - Highway Design - Roadway

3.1 - Minor Highway Design
3.2 - Major Highway Design
3.3 - Complex Highway Design

Group 6 - Traffic Engineering and Operations Studies

6.1 - Traffic Engineering Studies
6.3.1 - Intelligent Transportation Systems Analysis and Design
6.3.2 - Intelligent Transportation Systems Implementation
6.3.3 - Intelligent Transportation Traffic Engineering Systems Communications

Group 7 - Traffic Operations Design

7.1 - Signing, Pavement Marking and Channelization
7.2 - Lighting
7.3 - Signalization

Group 10 - Construction Engineering Inspection

10.1 - Roadway Construction Engineering Inspection
10.3 - Construction Materials Inspection
10.4 - Minor Bridge & Miscellaneous Structures CEI

Group 13 - Planning

13.7 - Transportation Statistics

Your Unlimited Notice of Qualification shall be valid until June 30, 2009 at such time as your December 31, 2008 overhead audit will be due to comply with the Department's requirement on overhead audits. We will automatically notify your firm 45 to 60 days prior to your update deadline.

On the basis of data submitted the Department has approved your accounting system and considers the rates listed below as acceptable rates for qualification purposes.

	Home/Branch Office	Field Office	Facilities Capital Cost of Money	Overtime Premium	Direct Expense
Overhead Rate	128.74%	91.94%	0.117%	Reimbursed	5.92%(Home) 22.77%(Field)*

*Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

Should you have any questions, please feel free to contact me at 850/414-4485.

Sincerely,

Lorraine E. Odom

Lorraine E. Odom
Professional Services
Qualification Administrator

LEO/smr

Credentials

State of Florida, Department of Business & Professional Regulation,
Board of Professional Engineers
License No.7797

Antonio G. Acosta
Professional Engineering License
License No.40845

Carlos M. Gil-Mera
Professional Engineering License
License No.43953

Eithel Sierra
Professional Engineering License
License No.55401

State of Florida
Board of Professional Engineers
A & P Consulting Transportation Engineers Corp.
is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer duly licensed under Chapter 471, Florida Statutes.

CERTIFICATE OF AUTHORIZATION NUMBER: 7797
AUDIT NO.: 0706
EXPIRATION: 28-FEB-09

DISPLAY AS REQUIRED BY LAW

State of Florida
Board of Professional Engineers
This is to certify that
Antonio G. Acosta, PE
is licensed as a Professional Engineer under Chapter 471, Florida Statutes.
Expiration: 28-FEB-09
P.E. Number 40845
AUDIT NO.: 0706

DISPLAY AS REQUIRED BY LAW

State of Florida
Board of Professional Engineers
This is to certify that
Carlos M. Gil-Mera, PE
is licensed as a Professional Engineer under Chapter 471, Florida Statutes.
Expiration: 28-FEB-09
P.E. Number 43953
AUDIT NO.: 0706

DISPLAY AS REQUIRED BY LAW

State of Florida
Board of Professional Engineers
This is to certify that
Eithel M. Sierra, PE
is licensed as a Professional Engineer under Chapter 471, Florida Statutes.
Expiration: 28-FEB-09
P.E. Number 55401
AUDIT NO.: 0706

DISPLAY AS REQUIRED BY LAW

Credentials

Arnelio Alfonso
Professional Engineering License
License No.52566

State of Florida
Board of Professional Engineers
This is that
Arnelio Alfonso, PE
is licensed as a Professional Engineer under Chapter 471, Florida Statutes.
Expiration: 28-FEB-09 P.E. Number: 52566
AUDIT NO.: 3709
DISPLAY AS REQUIRED BY LAW

Alexander S. Yi
Professional Engineering License
License No.58820

State of Florida
Board of Professional Engineers
This is that
Alexander Sinong Yi, PE
is licensed as a Professional Engineer under Chapter 471, Florida Statutes.
Expiration: 28-FEB-09 P.E. Number: 58820
AUDIT NO.: 3709
DISPLAY AS REQUIRED BY LAW

Nelson V. Perez
Professional Engineering License
License No.32025

State of Florida
Board of Professional Engineers
This is that
Nelson V. Perez, PE
is licensed as a Professional Engineer under Chapter 471, Florida Statutes.
Expiration: 28-FEB-09 P.E. Number: 32025
AUDIT NO.: 3709
DISPLAY AS REQUIRED BY LAW

Lazaro Ferrero
Professional Engineering License
License No.58025

State of Florida
Board of Professional Engineers
This is that
Lazaro Ferrero, PE
is licensed as a Professional Engineer under Chapter 471, Florida Statutes.
Expiration: 28-FEB-09 P.E. Number: 58025
AUDIT NO.: 3709
DISPLAY AS REQUIRED BY LAW

Credentials

Alex F. Guon
Professional Engineering License
License No.53247

State of Florida
Board of Professional Engineers
This is that
Alex F. Guon, PE
is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 28-FEB-09 P.E. Number 53247
AUDIT NO.: 0709-
DISPLAY AS REQUIRED BY LAW

Allan B. Sequeira
Professional Engineering License
License No.60737

State of Florida
Board of Professional Engineers
This is that
Allan Bismarck Sequeira, PE
is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 28-FEB-09 P.E. Number 60737
AUDIT NO.: 0709
DISPLAY AS REQUIRED BY LAW

Eduardo L. Martinez
Professional Engineering License
License No.52023

State of Florida
Board of Professional Engineers
This is that
Eduardo Luis Martinez, PE
is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 28-FEB-09 P.E. Number 52023
AUDIT NO.: 0709
DISPLAY AS REQUIRED BY LAW

Jorge L. Manso
Professional Engineering License
License No.62584

State of Florida
Board of Professional Engineers
This is that
Jorge Luis Manso, PE
is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 28-FEB-09 P.E. Number 62584
AUDIT NO.: 0709

APCT ENGINEERS

Credentials

Manuel I. Alvarez
Professional Engineering License
License No.61602

State of Florida
Board of Professional Engineers

Manuel Ignacio Alvarez , PE

is licensed as a Professional Engineer under Chapter 471, Florida Statutes.

Expiration: 28-FEB-09 P.E Number: 61602

AUDIT NO.: 0704-

DISPLAY AS REQUIRED BY LAW

Credentials

City of Doral Corporate Occupational License
License No. 2005-3419

2007-2008
LOCAL BUSINESS TAX RECEIPT
CITY OF DORAL FLORIDA

2005-3419

212ASS P.A./CORP/PARTNERSHIP/FIRM

Business Name A & P CONSULTING TRANSPORTATION

10305 NW 41 STREET UNIT 115
DORAL FLORIDA 33178

OFFICE USE ONLY, NO RETAIL SALES, NO OUTSIDE STORAGE

EMPLOYEES $0
LICENSE FEE $150.00

Antonio G. Acosta
City of Doral Corporate Occupational License
License No. 2005-3423

2007-2008
LOCAL BUSINESS TAX RECEIPT
CITY OF DORAL FLORIDA

2005-3423

212ENG PROFESSIONAL ENGINEER

ANTONIO ACOSTA P E

10305 NW 41 STREET UNIT 115
DORAL FLORIDA 33178

40845
$40.00

Carlos M. Gil-Mera
City of Doral Corporate Occupational License
License No. 2005-3428

2007-2008
LOCAL BUSINESS TAX RECEIPT
CITY OF DORAL FLORIDA

2005-3428

212ENG PROFESSIONAL ENGINEER

CARLOS M GIL MERA P E

10305 NW 41 STREET UNIT 115
DORAL FLORIDA 33178

43929
$40.00

Eithel M. Sierra
City of Doral Corporate Occupational License
License No. 2005-3424

2007-2008
LOCAL BUSINESS TAX RECEIPT
CITY OF DORAL FLORIDA

2005-3424

212ENG PROFESSIONAL ENGINEER

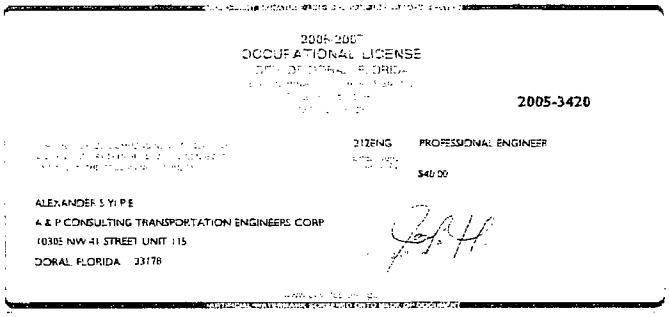
EITHEL M SIERRA P E

10305 NW 41 STREET UNIT 115
DORAL FLORIDA 33178

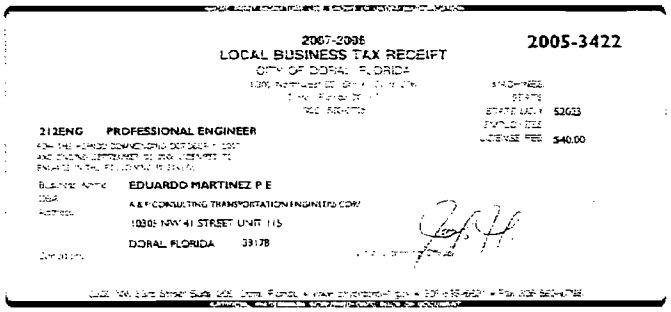
55401
$40.00

Credentials

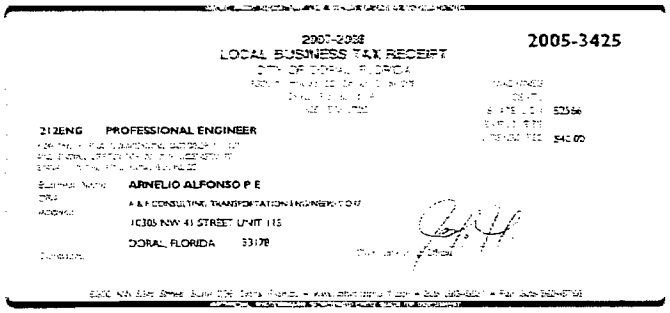
Alexander S. Yi
City of Doral Corporate Occupational License
License No. 2005-3420


2005-2007
OCCUPATIONAL LICENSE
CITY OF DORAL, FLORIDA
2005-3420
212ENG PROFESSIONAL ENGINEER
$40.00
ALEXANDER S YI P E
A & P CONSULTING TRANSPORTATION ENGINEERS CORP
10305 NW 41 STREET UNIT 115
DORAL FLORIDA 33178

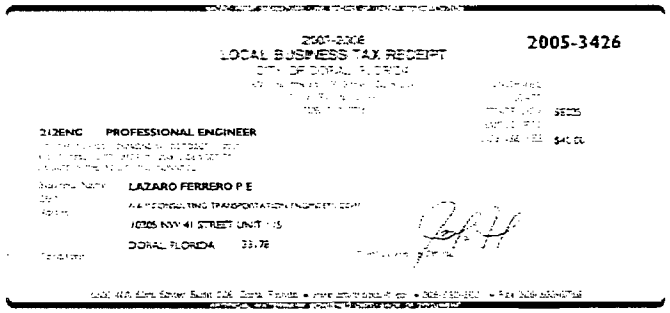
Eduardo L. Martinez
City of Doral Corporate Occupational License
License No. 2005-3422


2007-2008
LOCAL BUSINESS TAX RECEIPT
CITY OF DORAL, FLORIDA
2005-3422
212ENG PROFESSIONAL ENGINEER
$40.00
EDUARDO MARTINEZ P E
A & P CONSULTING TRANSPORTATION ENGINEERS CORP
10305 NW 41 STREET UNIT 115
DORAL FLORIDA 33178

Arnelio Alfonso
City of Doral Corporate Occupational License
License No. 2005-3425


2007-2008
LOCAL BUSINESS TAX RECEIPT
CITY OF DORAL, FLORIDA
2005-3425
212ENG PROFESSIONAL ENGINEER
$40.00
ARNELIO ALFONSO P E
A & P CONSULTING TRANSPORTATION ENGINEERS CORP
10305 NW 41 STREET UNIT 115
DORAL FLORIDA 33178

Lazaro Ferrero
City of Doral Corporate Occupational License
License No.2005- 3426


2007-2008
LOCAL BUSINESS TAX RECEIPT
CITY OF DORAL, FLORIDA
2005-3426
212ENG PROFESSIONAL ENGINEER
$40.00
LAZARO FERRERO P E
A & P CONSULTING TRANSPORTATION ENGINEERS CORP
10305 NW 41 STREET UNIT 115
DORAL FLORIDA 33178

ENGINEERS

Credentials

Alex F. Guon
City of Doral Corporate Occupational License
License No. 2005-3421

2007-2008
LOCAL BUSINESS TAX RECEIPT
CITY OF DORAL, FLORIDA

2005-3421

MACHINES
SEATS
STATE LICK $3247
EMPLOYEES
LICENSE FEE $40.00

212ENG PROFESSIONAL ENGINEER

Business Name ALEX F GUON P E
DBA
Address A & P CONSULTING TRANSPORTATION ENGINEERS CORP
10305 NW 41 STREET UNIT 115
DORAL FLORIDA 33178

Signature

Chief Licensing Officer

Credentials

Miami-Dade County Corporate Occupational License
License No.406532-2

MIAMI-DADE COUNTY
TAX COLLECTOR
140 W. FLAGLER ST
14th FLOOR
MIAMI, FL 33130

2007 LOCAL BUSINESS TAX RECEIPT 2008
MIAMI-DADE COUNTY - STATE OF FLORIDA
EXPIRES SEPT 30, 2008
MUST BE DISPLAYED AT PLACE OF BUSINESS
PURSUANT TO COUNTY CODE CHAPTER 8A - ART 9 & 10

FIRST-CLASS
U.S. POSTAGE
PAID
MIAMI, FL
PERMIT NO 1311

THIS IS NOT A BILL-DO NOT PAY

389414-5 RENEWAL
BUSINESS NAME / LOCATION LICENSE NO 406532-2
A & P CONSULTING TRANSPORTATION STATE# EB0007797
ENGINEERS CORP
10305 NW 41 ST 115
33178 DORAL
OWNER
A & P CONSULTING TRANSP ENGR COR
Sec. Type of Business EMPLOYEE/S
212 P.A./CORP/PARTNERSHIP/FIRM 22

THIS IS ONLY A LOCAL BUSINESS TAX RECEIPT. IT DOES NOT PERMIT THE HOLDER TO VIOLATE ANY EXISTING OR REGULATORY ZONING LAWS OF THE COUNTY OR OTHER NOR DOES IT RELIEVE THE HOLDER FROM ANY OTHER PERMIT OR LICENSE NOR REQUIRED BY LAW, NOR IS IT A CERTIFICATION OF THE HOLDER'S QUALIFICATION.

PAYMENT RECEIVED
MIAMI-DADE COUNTY TAX COLLECTOR

DO NOT FORWARD

A & P CONSULTING TRANSPORTATION
ENGINEERS CORP
ANTONIO ACOSTA
10305 NW 41 ST #115
MIAMI FL 33178

08/15/2007
60040000357
000099.00

SEE OTHER SIDE

Antonio G. Acosta
Miami-Dade County Corporate Occupational License
License No.473625-3

MIAMI-DADE COUNTY
TAX COLLECTOR
140 W. FLAGLER ST.
14th FLOOR
MIAMI, FL 33130

2007 LOCAL BUSINESS TAX RECEIPT 2008
MIAMI-DADE COUNTY - STATE OF FLORIDA
EXPIRES SEPT 30, 2008
MUST BE DISPLAYED AT PLACE OF BUSINESS
PURSUANT TO COUNTY CODE CHAPTER 8A - ART 9 & 10

FIRST-CLASS
U.S. POSTAGE
PAID
MIAMI, FL
PERMIT NO 1311

THIS IS NOT A BILL-DO NOT PAY

453665-3 RENEWAL
BUSINESS NAME / LOCATION LICENSE NO 473625-3
ACOSTA ANTONIO G PE STATE# PE40845
10305 NW 41 ST 115
33178 DORAL

OWNER
ACOSTA ANTONIO G PE
Sec. Type of Business
212 PROFESSIONAL

THIS IS ONLY A LOCAL BUSINESS TAX RECEIPT. IT DOES NOT PERMIT THE HOLDER TO VIOLATE ANY EXISTING OR REGULATORY ZONING LAWS OF THE COUNTY OR OTHER NOR DOES IT RELIEVE THE HOLDER FROM ANY OTHER PERMIT OR LICENSE NOR REQUIRED BY LAW, NOR IS IT A CERTIFICATION OF THE HOLDER'S QUALIFICATION.

PAYMENT RECEIVED
MIAMI-DADE COUNTY TAX COLLECTOR

DO NOT FORWARD

ACOSTA ANTONIO G PE
A & P CONSULTING TRNSP ENGINEERS
10305 NW 41 ST #115
MIAMI FL 33178

08/15/2007
60040000397
000060.00

SEE OTHER SIDE

Carlos M. Gil-Mera
Miami-Dade County Corporate Occupational License
License No.473628-7

MIAMI-DADE COUNTY
TAX COLLECTOR
140 W. FLAGLER ST.
14th FLOOR
MIAMI, FL 33130

2007 LOCAL BUSINESS TAX RECEIPT 2008
MIAMI-DADE COUNTY - STATE OF FLORIDA
EXPIRES SEPT 30, 2008
MUST BE DISPLAYED AT PLACE OF BUSINESS
PURSUANT TO COUNTY CODE CHAPTER 8A - ART 9 & 10

FIRST-CLASS
U.S. POSTAGE
PAID
MIAMI, FL
PERMIT NO 1311

THIS IS NOT A BILL-DO NOT PAY

453668-7 RENEWAL
BUSINESS NAME / LOCATION LICENSE NO 473628-7
GIL MERA CARLOS M PE STATE# PE43953
10305 NW 41 ST 115
33178 DORAL

OWNER
GIL MERA CARLOS M PE
Sec. Type of Business
212 PROFESSIONAL

THIS IS ONLY A LOCAL BUSINESS TAX RECEIPT. IT DOES NOT PERMIT THE HOLDER TO VIOLATE ANY EXISTING OR REGULATORY ZONING LAWS OF THE COUNTY OR OTHER NOR DOES IT RELIEVE THE HOLDER FROM ANY OTHER PERMIT OR LICENSE NOR REQUIRED BY LAW, NOR IS IT A CERTIFICATION OF THE HOLDER'S QUALIFICATION.

PAYMENT RECEIVED
MIAMI-DADE COUNTY TAX COLLECTOR

DO NOT FORWARD

GIL MERA CARLOS M PE
A & P CONSULTING TRNSP ENGINEERS
10305 NW 41 ST 115
MIAMI FL 33178

08/15/2007
60050000157
000060.00

SEE OTHER SIDE

Eithel Sierra
Miami-Dade County Corporate Occupational License
License No.471754-3

MIAMI-DADE COUNTY
TAX COLLECTOR
140 W. FLAGLER ST.
14th FLOOR
MIAMI, FL 33130

2007 LOCAL BUSINESS TAX RECEIPT 2008
MIAMI-DADE COUNTY - STATE OF FLORIDA
EXPIRES SEPT 30, 2008
MUST BE DISPLAYED AT PLACE OF BUSINESS
PURSUANT TO COUNTY CODE CHAPTER 8A - ART 9 & 10

FIRST-CLASS
U.S. POSTAGE
PAID
MIAMI, FL
PERMIT NO 1311

THIS IS NOT A BILL-DO NOT PAY

451869-3 RENEWAL
BUSINESS NAME / LOCATION LICENSE NO 471754-3
SIERRA EITHEL STATE# PE55401__
10305 NW 41 ST 115
33178 DORAL

OWNER
SIERRA EITHEL
Sec. Type of Business
212 PROFESSIONAL

THIS IS ONLY A LOCAL BUSINESS TAX RECEIPT. IT DOES NOT PERMIT THE HOLDER TO VIOLATE ANY EXISTING OR REGULATORY ZONING LAWS OF THE COUNTY OR OTHER NOR DOES IT RELIEVE THE HOLDER FROM ANY OTHER PERMIT OR LICENSE NOR REQUIRED BY LAW, NOR IS IT A CERTIFICATION OF THE HOLDER'S QUALIFICATION.

PAYMENT RECEIVED
MIAMI-DADE COUNTY TAX COLLECTOR

DO NOT FORWARD

SIERRA EITHEL
A & P CONSULTING TRANSP ENG CORP
10305 NW 41 ST 115
MIAMI FL 33178

08/15/2007
60050000281
000060.00

SEE OTHER SIDE

Credentials

Alexander S. Yi
Miami-Dade County Corporate Occupational License
License No.581975.1

MIAMI-DADE COUNTY 2007 LOCAL BUSINESS TAX RECEIPT 2008
TAX COLLECTOR MIAMI-DADE COUNTY - STATE OF FLORIDA
140 W. FLAGLER ST. EXPIRES SEPT. 30, 2008
14th FLOOR MUST BE DISPLAYED AT PLACE OF BUSINESS
MIAMI, FL 33130 PURSUANT TO COUNTY CODE CHAPTER 8A - ART. 5 & 10

FIRST-CLASS U.S. POSTAGE PAID MIAMI, FL PERMIT NO. 2[illegible]

THIS IS NOT A BILL-DO NOT PAY

557989-2 RENEWAL
BUSINESS NAME / LOCATION LICENSE NO 581975-1
YI ALEXANDER SIPENG PE STATE# 58820
10305 NW 41 ST 115
33178 DORAL

OWNER
YI ALEXANDER SIPENG PE
Sec. Type of Business
212 PROFESSIONAL

THIS IS ONLY A LOCAL BUSINESS TAX RECEIPT THAT DOES NOT PERMIT THE HOLDER TO VIOLATE ANY ZONING OR REGULATORY OR ZONING LAWS OF THE COUNTY OR STATE, NOR DOES IT EXEMPT THE HOLDER FROM ANY OTHER LICENSE OR PERMIT OF LICENSES REQUIRED BY LAW. THIS IS NOT A CERTIFICATION OF THE HOLDER'S QUALIFICATION.

DO NOT FORWARD

YI ALEXANDER SIPENG PE
A & P CONSULTING TRANSP ENG CORP
10305 NW 41 ST #115
DORAL FL 33178

PAYMENT RECEIVED
MIAMI-DADE COUNTY TAX COLLECTOR

08/15/2007
60050000155
000060.00

SEE OTHER SIDE

Nelson Perez Valledor
Miami-Dade County Corporate Occupational License
License No.59002-3

MIAMI-DADE COUNTY 2007 LOCAL BUSINESS TAX RECEIPT 2008
TAX COLLECTOR MIAMI-DADE COUNTY - STATE OF FLORIDA
140 W. FLAGLER ST. EXPIRES SEPT. 30, 2008
14th FLOOR MUST BE DISPLAYED AT PLACE OF BUSINESS
MIAMI, FL 33130 PURSUANT TO COUNTY CODE CHAPTER 8A - ART. 5 & 10

FIRST-CLASS U.S. POSTAGE PAID MIAMI, FL PERMIT NO. 2[illegible]

THIS IS NOT A BILL-DO NOT PAY

565634-4 RENEWAL
BUSINESS NAME / LOCATION LICENSE NO 590002-3
PEREZ VALLEDOR NELSON STATE# PE32025
10505 NW 41 ST 115
33178 DORAL

OWNER
PEREZ VALLEDOR NELSON
Sec. Type of Business
212 PROFESSIONAL

THIS IS ONLY A LOCAL BUSINESS TAX RECEIPT THAT DOES NOT PERMIT THE HOLDER TO VIOLATE ANY ZONING OR REGULATORY OR ZONING LAWS OF THE COUNTY OR STATE, NOR DOES IT EXEMPT THE HOLDER FROM ANY OTHER LICENSE OR PERMIT OF LICENSES REQUIRED BY LAW. THIS IS NOT A CERTIFICATION OF THE HOLDER'S QUALIFICATION.

DO NOT FORWARD

PEREZ VALLEDOR NELSON
10505 NW 41 ST 115
DORAL FL 33178

PAYMENT RECEIVED
MIAMI-DADE COUNTY TAX COLLECTOR

08/15/2007
60040000567
000060.00

SEE OTHER SIDE

Arnelio Alfonso
Miami-Dade County Corporate Occupational License
License No.483138-5

MIAMI-DADE COUNTY 2007 LOCAL BUSINESS TAX RECEIPT 2008
TAX COLLECTOR MIAMI-DADE COUNTY - STATE OF FLORIDA
140 W. FLAGLER ST. EXPIRES SEPT. 30, 2008
14th FLOOR MUST BE DISPLAYED AT PLACE OF BUSINESS
MIAMI, FL 33130 PURSUANT TO COUNTY CODE CHAPTER 8A - ART. 5 & 10

FIRST-CLASS U.S. POSTAGE PAID MIAMI, FL PERMIT NO. 2[illegible]

THIS IS NOT A BILL-DO NOT PAY

462758-5 RENEWAL
BUSINESS NAME / LOCATION LICENSE NO 483138-5
ALFONSO ARNELIO PE STATE# PE52566
10305 NW 41 ST 115
33178 DORAL

OWNER
ALFONSO ARNELIO PE
Sec. Type of Business
212 PROFESSIONAL

THIS IS ONLY A LOCAL BUSINESS TAX RECEIPT THAT DOES NOT PERMIT THE HOLDER TO VIOLATE ANY ZONING OR REGULATORY OR ZONING LAWS OF THE COUNTY OR STATE, NOR DOES IT EXEMPT THE HOLDER FROM ANY OTHER LICENSE OR PERMIT OF LICENSES REQUIRED BY LAW. THIS IS NOT A CERTIFICATION OF THE HOLDER'S QUALIFICATION.

DO NOT FORWARD

ALFONSO ARNELIO PE
A&P CONSULTING TRANS ENGINEERS CO
10305 NW 41 ST 115
MIAMI FL 33178

PAYMENT RECEIVED
MIAMI-DADE COUNTY TAX COLLECTOR

08/15/2007
60040000403
000060.00

SEE OTHER SIDE

Lazaro Ferrero
Miami-Dade County Corporate Occupational License
License No.510194-4

MIAMI-DADE COUNTY 2007 LOCAL BUSINESS TAX RECEIPT 2008
TAX COLLECTOR MIAMI-DADE COUNTY - STATE OF FLORIDA
140 W. FLAGLER ST. EXPIRES SEPT. 30, 2008
14th FLOOR MUST BE DISPLAYED AT PLACE OF BUSINESS
MIAMI, FL 33130 PURSUANT TO COUNTY CODE CHAPTER 8A - ART. 5 & 10

FIRST-CLASS U.S. POSTAGE PAID MIAMI, FL PERMIT NO. 2[illegible]

THIS IS NOT A BILL-DO NOT PAY

488809-6 RENEWAL
BUSINESS NAME / LOCATION LICENSE NO 510194-4
FERRERO LAZARO STATE# PE58025
10305 NW 41 ST 115
33178 DORAL

OWNER
FERRERO LAZARO
Sec. Type of Business
212 PROFESSIONAL

THIS IS ONLY A LOCAL BUSINESS TAX RECEIPT THAT DOES NOT PERMIT THE HOLDER TO VIOLATE ANY ZONING OR REGULATORY OR ZONING LAWS OF THE COUNTY OR STATE, NOR DOES IT EXEMPT THE HOLDER FROM ANY OTHER LICENSE OR PERMIT OF LICENSES REQUIRED BY LAW. THIS IS NOT A CERTIFICATION OF THE HOLDER'S QUALIFICATION.

DO NOT FORWARD

FERRERO LAZARO
A&P CONSULTING TRANSPORTATION ENG
10305 NW 41 ST#115
DORAL FL 33178

PAYMENT RECEIVED
MIAMI-DADE COUNTY TAX COLLECTOR

08/15/2007
60040000401
000060.00

SEE OTHER SIDE

Credentials

Jose M. Ibarra
Miami-Dade County Corporate Occupational License
License No.548876-2

MIAMI-DADE COUNTY 2007 LOCAL BUSINESS TAX RECEIPT 2008 FIRST-CLASS U.S. POSTAGE PAID
TAX COLLECTOR MIAMI-DADE COUNTY - STATE OF FLORIDA MIAMI, FL
140 W. FLAGLER ST EXPIRES SEPT. 30, 2008 PERMIT NO. 25
14th FLOOR MUST BE DISPLAYED AT PLACE OF BUSINESS
MIAMI, FL 33130 PURSUANT TO COUNTY CODE CHAPTER 8A - ART. I & II

THIS IS NOT A BILL-DO NOT PAY

525260-6 RENEWAL
BUSINESS NAME - LOCATION LICENSE NO 548876-2
IBARRA JOSE M PE STATE# PE22180
10305 NW 41 ST 115
33178 DORAL

OWNER
IBARRA JOSE M PE
Sec. Type of Business
212 PROFESSIONAL

DO NOT FORWARD

IBARRA JOSE M PE
A & P CONSULTING TRANS ENGR CORP
10305 NW 41 ST 115
MIAMI FL 33178

08/15/2007
60040000359
000060.00

SEE OTHER SIDE

Eduardo L. Martinez
Miami-Dade County Corporate Occupational License
License No.579850-0

MIAMI-DADE COUNTY 2007 LOCAL BUSINESS TAX RECEIPT 2008 FIRST-CLASS U.S. POSTAGE PAID
TAX COLLECTOR MIAMI-DADE COUNTY - STATE OF FLORIDA MIAMI, FL
140 W. FLAGLER ST. EXPIRES SEPT. 30, 2008 PERMIT NO. 25
14th FLOOR MUST BE DISPLAYED AT PLACE OF BUSINESS
MIAMI, FL 33130 PURSUANT TO COUNTY CODE CHAPTER 8A - ART. I & II

THIS IS NOT A BILL-DO NOT PAY

555825-0 RENEWAL
BUSINESS NAME - LOCATION LICENSE NO 579850-0
MARTINEZ EDUARDO L PE STATE# PE52023
10305 NW 41 ST 115
33178 DORAL

OWNER
MARTINEZ EDUARDO L PE
Sec. Type of Business
212 PROFESSIONAL

DO NOT FORWARD

MARTINEZ EDUARDO L PE
A & P CONSULTING TRANS ENGINEERS
10305 NW 41 ST 115
DORAL FL 33178

08/15/2007
60050000279
000060.00

SEE OTHER SIDE

Alex F. Guon
Miami-Dade County Corporate Occupational License
License No.579853-4

MIAMI-DADE COUNTY 2007 LOCAL BUSINESS TAX RECEIPT 2008 FIRST-CLASS U.S. POSTAGE PAID
TAX COLLECTOR MIAMI-DADE COUNTY - STATE OF FLORIDA MIAMI, FL
140 W. FLAGLER ST. EXPIRES SEPT. 30, 2008 PERMIT NO. 25
14th FLOOR MUST BE DISPLAYED AT PLACE OF BUSINESS
MIAMI, FL 33130 PURSUANT TO COUNTY CODE CHAPTER 8A - ART. I & II

THIS IS NOT A BILL-DO NOT PAY

555828-4 RENEWAL
BUSINESS NAME - LOCATION LICENSE NO 579853-4
GUON ALEX F PE STATE# PE53247
10305 NW 41 ST 115
33178 DORAL

OWNER
GUON ALEX F PE
Sec. Type of Business
212 PROFESSIONAL

DO NOT FORWARD

GUON ALEX F PE
A & P CONSULTING TRANS ENGINEERS
10305 NW 41 ST 115
DORAL FL 33178

08/15/2007
60040000365
000060.00

SEE OTHER SIDE

State of Florida

Department of State

I certify from the records of this office that BCC ENGINEERING, INC. is a corporation organized under the laws of the State of Florida, filed on March 15, 1994.

The document number of this corporation is P94000022294.

I further certify that said corporation has paid all fees due this office through December 31, 2007, that its most recent annual report/uniform business report was filed on January 8, 2007, and its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capitol, this the
Eighth day of January, 2007

Kurt S. Browning
Secretary of State

CR2EO22 (01-07)

PQ Certificate No.:	**2008-650540100-07**	**Page: 1**
Approval Date:	**1/16/2008**	
Expiration Date:	**1/31/2009**	
Business Enterprise:	***Future Use***	

Miami-Dade County, Florida

A/E PRE-QUALIFICATION CERTIFICATE

This certificate is hereby issued to:

Jose Muñoz, President
BCC Engineering, Inc.
7300 North Kendall Drive, Suite 660
Miami, FL 33156

By issuance of this certificate, the applicant, named above, has committed its firm to comply with the specific conditions listed below:

1. *Affirms its commitment to the submittal of an Affirmative Action Plan (Plan) for the purpose of maintaining equal employment and promotional opportunity, with particular emphasis on improving the minority and/or women work force population and utilization of minority and/or women-owned professional firms, consultants, and/or suppliers. Special meetings will be conducted with executive management and supervisory personnel to explain the intent of the Plan and individual responsibility for effective implementation and making clear the firm's commitment to the Plan. Additionally, the Plan will be discussed at employee orientations and training programs. The Plan will be available for review during normal business hours by contacting the Affirmative Action Officer. Manuel Bentiez is the appointed Affirmative Action Officer and may be reached at (305) 670-2350.*

2. *Pre-Qualified to offer professional services only in the Miami-Dade County technical categories shown in the attached "Statement of Technical Qualifications." All technical category restrictions must be strictly adhered to.*

3. *Pre-Qualification Certification (PQC) consolidates the technical certification, affirmative action plan, and business entity registration into one streamlined certification process resulting in the issuance of a Pre-Qualification Certificate.*

4. *Report any significant changes, such as staffing, qualifier, ownership, licensing, firm address, etc., to Department of Small Business Development (SBD) PQC Unit located at 111 N.W. 1st Street, 19th Floor, Miami, Florida 33128, within 30 days of such a change. Failure to report said changes to the County may result in the immediate suspension or termination of your firm's PQC certification.*

5. *Failure to renew your firm's PQC at least thirty (30) days prior to your firm's current expiration date may result in the suspension and/or termination from County programs and current or future contracts until your firm's Pre-Qualification Certification has been properly renewed. Any lapses in the certification of any of the required PQC areas (vendor registration, affirmative action plan, or technical certification) will result in a lapse in your PQC. Firms are responsible for observing and adhering to all submission deadlines.*

6. *Any renewal applications and/or supporting documents submitted after the application deadline will delay the review of your firm's PQC certification to the next available Technical Certification Committee meeting. The PQC application, submission deadlines, and the Technical Certification Committee meeting calendar can be found on the Small Business Affairs' web site located at www.miamidade.gov/dbd.*

7. *Permit Miami-Dade County representatives to have access during normal business hours to audit books and records to verify information submitted with this application. This right of access shall commence on the approval date of this certificate and shall terminate on its expiration date.*

Please note that if at any time Miami-Dade County has reason to believe that any person or firm has willfully and knowingly provided incorrect information or made false statements, the County may refer the matter to the State Attorney's Office and/or other investigative agencies, initiate debarment procedures, and/or pursue sanctions or other legal remedies in accordance with Miami-Dade County policy and/or applicable federal, state and local laws.

If you have any questions regarding this certificate, please contact the PQC Unit at (305) 375-3111.

MIAMI-DADE COUNTY

Penelope Townsley, Director, Small Business Development

228

Miami-Dade County, Florida
Statement of Engineering, Architecture, Landscape Architecture, Land Surveying and Mapping Certification

Firm: BCC ENGINEERING, INC.
7300 North Kendall Drive, Suite 660
Miami FL 33156

Category	Committee Review	Approval	Expires
1.01 - Urban Area and Regional Transportation Planning	01/16/2008	/ /	01/31/2009
1.02 - Mass and Rapid Transit Planning	01/16/2008	/ /	01/31/2009
2.02 - Mass Transit Feasibility & Technical Studies	01/16/2008	/ /	01/31/2009
3.01 - Site Development and Parking Lot Design	01/16/2008	/ /	01/31/2009
3.02 - Highway Design	01/16/2008	/ /	01/31/2009
3.03 - Bridge Design	01/16/2008	/ /	01/31/2009
3.04 - Traffic Engineering Studies	01/16/2008	/ /	01/31/2009
3.05 - Traffic Counts	01/16/2008	/ /	01/31/2009
3.06 - Traffic Calming	01/16/2008	/ /	01/31/2009
3.07 - Traffic Signal Timing	01/16/2008	/ /	01/31/2009
3.09 - Signing, Pavement Marking, and Channelization	01/16/2008	/ /	01/31/2009
3.10 - Lighting	01/16/2008	/ /	01/31/2009

Luisa M. Donovan

Luisa Millan-Donovan, R.A.,
Chief of Professional Service Division
Certification Committee

MIAMI - DADE

Miami-Dade County, Florida Statement of Engineering, Architecture, Landscape Architecture, Land Surveying and Mapping Certification

Firm: BCC ENGINEERING, INC.
7300 North Kendall Drive, Suite 660
Miami FL 33156

Category	Committee Review	Approval	Expires
3.11 - Signalization	01/16/2008	/ /	01/31/2009
6.01 - Water Dist. & Sanitary Sewage Collec. & Transmission	01/16/2008	/ /	01/31/2009
10.01 - Stormwater Drainage Design Engineering Services	01/16/2008	/ /	01/31/2009
11.00 - General Structural Engineering	01/16/2008	/ /	01/31/2009
16.00 - General Civil Engineering	01/16/2008	/ /	01/31/2009
17.00 - Engineering Construction Management	01/16/2008	/ /	01/31/2009

Luisa M. Donovan

Luisa Millan-Donovan, R.A.,
Chief of Professional Service Division
Certification Committee

MIAMI-DADE COUNTY

Carlos Alvarez, Mayor

Small Business Development
111 NW 1st Street • 19th Floor
Miami, Florida 33128-1906
T 305-375-3111 F 305-375-3160

miamidade.gov

January 17, 2008

CERT. NO: 4499
APPROVAL DATE(s): 12/31/2007 - CBE
EXPIRATION DATE: 12/31/2008

Manuel Benitez
BCC ENGINEERING, INC.
7300 N Kendall Dr, Suite 660
Miami, FL 33156-0000

Dear Mr. Benitez:

Small Business Development (SBD) has completed the review of your application and attachments submitted for certification. Your firm is officially certified as a Community Business Enterprise (CBE) in the categories listed below.

This certification is valid for twelve (12) months, expiring as noted above. This certification affords your company the opportunity to benefit from participation in county contracts with small business measures. Please note the trade categories listed below. These are the only sheltered market areas that your company is eligible to bid or participate in under your current certification.

If any changes occur within your company during the certification period (such as ownership, address, telephone number, trade category, licensing, technical certification, bonding capacity, or if the business ceases to exist) you are required to notify this department in writing, immediately. It is of critical importance that current information regarding your company be updated. All inquiries or changes related to this certification should be directed to the SBD Certification Unit. An application for re-certification (a much shorter process) must be submitted and forwarded to this office within four (4) weeks of the referenced expiration date. Should your firm fail to re-certify, or lose its certification for any reason, the ability to work on contracts with measures will be affected.

We look forward to your participation and success in Miami-Dade County's small and/or disadvantaged business programs.

Sincerely,

Penelope Townsley, Director
Small Business Development

CATEGORIES: (Your firm may bid or participate on contracts only under these categories)

Transportation Planning-Urban Area & Regional Plan (CBE)
Transportation Planning-Mass & Rapid Transit (CBE)
Mass Transit Feasibility & Technical Studies (CBE)
Highway Systems-Site Develop/Parking Lot Design (CBE)
Highway Systems-Highway Design (CBE)
Highway Systems-Bridge Design (CBE)
Highway Systems-Traffic Engineering Studies (CBE)
Highway Systems-Traffic Counts (CBE)
Highway Systems-Traffic Calming (CBE)
W & S Sewer Sys-Water Dist & Sanitary Sewage Coll (CBE)
Environmental Eng-Stormwater Drainage Design Serv (CBE)
General Structural Engineering (CBE)
General Civil Engineering (CBE)
Engineering Construction Management (CBE)
Engineering Services (CBE)
Highway Systems-Traffic Signal Timing (CBE)
Highway Systems-Signing, Pavement Marking, Channel (CBE)
Highway Systems-Lighting (CBE)
Highway Systems-Signalization (CBE)

DBDR0024 v2008010

Licensee Details

Licensee Information

Name:	**MUNOZ, JOSE ANTONIO** (Primary Name)
	(DBA Name)
Main Address:	**901 SOROLLA AVENUE** **CORAL GABLES Florida 33134**
County:	**DADE**
License Mailing:	
LicenseLocation:	

License Information

License Type:	**Professional Engineer**
Rank:	**Prof Engineer**
License Number:	**58714**
Status:	**Current,Active**
Licensure Date:	**06/20/2002**
Expires:	**02/28/2009**
Special Qualifications	**Qualification Effective**

View Related License Information

View License Complaint

State of Florida

Board of Professional Engineers

Attests that

Dame J. Raynat, PE

is licensed as a Professional Engineer under Chapter 471, Florida Statutes.

Expiration: 28-FEB-09 P.E. Number: 63111

AUDIT NO.: 0709- 006882

DISPLAY AS REQUIRED BY LAW

State of Florida

Board of Professional Engineers

BCC Engineering Inc.

Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer duly licensed under Chapter 471, Florida Statutes.

CERTIFICATE OF AUTHORIZATION NUMBER: 7184

AUDIT NO.: 0709-503409

EXPIRATION: 28-FEB-09

DISPLAY AS REQUIRED BY LAW

State of Florida

Department of State

I certify from the records of this office that ROSENBERG DESIGN GROUP, INC. is a corporation organized under the laws of the State of Florida, filed on May 4, 1993.

The document number of this corporation is P93000032512.

I further certify that said corporation has paid all fees due this office through December 31, 2008, that its most recent annual report/uniform business report was filed on January 7, 2008, and its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capitol, this the
Seventh day of January, 2008

Kurt S. Browning
Secretary of State

CR2EO22 (01-07)

MIAMI-DADE COUNTY

Carlos Alvarez, Mayor

Small Business Development
111 NW 1st Street • 19th Floor
Miami, Florida 33128-1906
T 305-375-3111 F 305-375-3160

miamidade.gov

February 21, 2008

CERT. NO: 12217
APPROVAL DATE(s): 02/21/2008 - CBE
EXPIRATION DATE: 02/28/2009

William Rosenberg
ROSENBERG DESIGN GROUP, INC.
DBA ROSENBERG GARDNER
DESIGN
5190 NW 167th St, Suite 111
Miami, FL 33014-0000

Dear Mr. Rosenberg:

Small Business Development (SBD) has completed the review of your application and attachments submitted for certification. Your firm is officially certified as a Community Business Enterprise (CBE) in the categories listed below.

This certification is valid for twelve (12) months, expiring as noted above. This certification affords your company the opportunity to benefit from participation in county contracts with small business measures. Please note the trade categories listed below. These are the only sheltered market areas that your company is eligible to bid or participate in under your current certification.

If any changes occur within your company during the certification period (such as ownership, address, telephone number, trade category, licensing, technical certification, bonding capacity, or if the business ceases to exist) you are required to notify this department in writing, immediately. It is of critical importance that current information regarding your company be updated. All inquiries or changes related to this certification should be directed to the SBD Certification Unit. An application for re-certification (a much shorter process) must be submitted and forwarded to this office within four (4) weeks of the referenced expiration date. Should your firm fail to re-certify, or lose its certification for any reason, the ability to work on contracts with measures will be affected.

We look forward to your participation and success in Miami-Dade County's small and/or disadvantaged business programs.

Sincerely,

Penelope Townsley, Director
Small Business Development

CATEGORIES: (Your firm may bid or participate on contracts only under these categories)
Landscape Architectural Services (CBE)

DBDR0020 v20080108

Miami Dade County Department of Small Business Development
Pre Qualification Firms of
Monday, January 07, 2008

FIRM NAME	CONTACT	ADDRESS	PHONE No FAX No	FEID N°	EXPIRATION DATE
ROSENBERG DESIGN GROUP, INC.	WILLIAM ROSENBERG	5190 NW 167TH ST SUITE 111 MIAMI, FL 33014-0000	(305) 620-7781 (305) 620-7787	65-0410637	12/31/2008

237

MIAMI-DADE

Carlos Alvarez, Mayor

Small Business Development
111 NW 1st Street • 19th Floor
Miami, Florida 33128-1906
T 305-375-3111 F 305-375-3160

miamidade.gov

February 4, 2008

William P. Rosenberg, President
Rosenberg Design Group, Inc.
5190 NW 167th Street, Suite 111
Miami, FL 33014

Re: A/E Pre-Qualification Certificate No. 2007-650410637-05

Dear Consultant:

Upon review of the information submitted in support of your application for Miami-Dade County's A/E Pre-Qualification Certification, we hereby approve your firm's qualifications to provide professional services to the County as stated in the attached A/E Pre-Qualification Certificate. This certificate should be displayed in a conspicuous location within your facility and will be in effect until the expiration date shown on the certificate.

Please note that you are required to immediately report any significant changes to your firm during the A/E Pre-Qualification Certification period, such as changes in staffing, qualifier, ownership, licensing, etc., to the Pre-Qualification Certification Coordinator located at Stephen P Clark Center 111 N.W. 1st Street, 19th Floor, Miami, Florida 33128-1835, within thirty (30) days from such a change. Similarly, upon review of such notification, a revised A/E Pre-Qualification Certificate will be issued.

If you have any questions regarding your firm's A/E Pre-Qualification Certification, please contact the Pre-Qualification Certification Management Unit at (305) 375-3111.

Sincerely,

Penelope Townsley, Director
Small Business Development

PT/AAV:
Attachments

cc: PQC File

PQ Certificate No.:	2007-650410637-05	Page: 1
Approval Date:	12/12/2007	
Expiration Date:	12/31/2008	
Business Enterprise:	*Future Use*	

Miami-Dade County, Florida

A/E PRE-QUALIFICATION CERTIFICATE

This certificate is hereby issued to:

William P. Rosenberg, President
Rosenberg Design Group, Inc.
5190 NW 167th Street, Suite 111
Miami, FL 33014

By issuance of this certificate, the applicant, named above, has committed its firm to comply with the specific conditions listed below:

1. *Affirms its commitment to the submittal of an Affirmative Action Plan (Plan) for the purpose of maintaining equal employment and promotional opportunity, with particular emphasis on improving the minority and/or women work force population and utilization of minority and/or women-owned professional firms, consultants, and/or suppliers. Special meetings will be conducted with executive management and supervisory personnel to explain the intent of the Plan and individual responsibility for effective implementation and making clear the firm's commitment to the Plan. Additionally, the Plan will be discussed at employee orientations and training programs. The Plan will be available for review during normal business hours by contacting the Affirmative Action Officer. William P. Rosenberg is the appointed Affirmative Action Officer and may be reached at (305) 620-7781.*

2. *Pre-Qualified to offer professional services only in the Miami-Dade County technical categories shown in the attached "Statement of Technical Qualifications." All technical category restrictions must be strictly adhered to.*

3. *Pre-Qualification Certification (PQC) consolidates the technical certification, affirmative action plan, and business entity registration into one streamlined certification process resulting in the issuance of a Pre-Qualification Certificate.*

4. *Report any significant changes, such as staffing, qualifier, ownership, licensing, firm address, etc., to Department of Small Business Development (SBD) PQC Unit located at 111 N.W. 1st Street, 19th Floor, Miami, Florida 33128, within 30 days of such a change. Failure to report said changes to the County may result in the immediate suspension or termination of your firm's PQC certification.*

5. *Failure to renew your firm's PQC at least thirty (30) days prior to your firm's current expiration date may result in the suspension and/or termination from County programs and current or future contracts until your firm's Pre-Qualification Certification has been properly renewed. Any lapses in the certification of any of the required PQC areas (vendor registration, affirmative action plan, or technical certification) will result in a lapse in your PQC. Firms are responsible for observing and adhering to all submission deadlines.*

6. *Any renewal applications and/or supporting documents submitted after the application deadline will delay the review of your firm's PQC certification to the next available Technical Certification Committee meeting. The PQC application, submission deadlines, and the Technical Certification Committee meeting calendar can be found on the Small Business Affairs' web site located at www.miamidade.gov/sbd.*

7. *Permit Miami-Dade County representatives to have access during normal business hours to audit books and records to verify information submitted with this application. This right of access shall commence on the approval date of this certificate and shall terminate on its expiration date.*

Please note that if at any time Miami-Dade County has reason to believe that any person or firm has willfully and knowingly provided incorrect information or made false statements, the County may refer the matter to the State Attorney's Office and/or other investigative agencies, initiate debarment procedures, and/or pursue sanctions or other legal remedies in accordance with Miami-Dade County policy and/or applicable federal, state and local laws.

If you have any questions regarding this certificate, please contact the PQC Unit at (305) 375-3111.

MIAMI-DADE COUNTY

Penelope Townsley, Director, Small Business Development

239

MIAMI - DADE

Miami-Dade County, Florida
Statement of Engineering, Architecture, Landscape Architecture, Land Surveying and Mapping Certification

Firm: ROSENBERG DESIGN GROUP, INC.
5190 NW 167th Street, Suite 111
Miami FL 33014

Category	Committee Review	Approval	Expires
20.00 - Landscape Architecture	12/12/2007	/ /	12/31/2008

Luisa M. Donovan

Luisa Millan-Donovan, R.A.,
Chief of Professional Service Division
Certification Committee

AC# 3369700

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

SEQ# L07082802360

DATE	BATCH NUMBER	LICENSE NBR
08/28/2007	078031950	LC0000266

The LANDSCAPE ARCHITECT BUSINESS
Named below HAS REGISTERED
Under the provisions of Chapter 481 FS.
Expiration date: NOV 30, 2009

ROSENBERG GARDNER DESIGN
12901 SW 71ST AVE
MIAMI FL 33156

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

HOLLY BENSON
SECRETARY

AC# 3369686

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

SEQ# L07082802347

DATE	BATCH NUMBER	LICENSE NBR
08/28/2007	078031972	LA0001569

The LANDSCAPE ARCHITECT
Named below HAS REGISTERED
Under the provisions of Chapter 481 FS.
Expiration date: NOV 30, 2009

GARDNER, KENNETH ERIC
426 STONEMONT DR
WESTON FL 33326

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

HOLLY BENSON
SECRETARY

AC# 3493530

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

SEQ# L07101802404

DATE	BATCH NUMBER	LICENSE NBR
10/18/2007	078031960	LA0000143

The LANDSCAPE ARCHITECT
Named below HAS REGISTERED
Under the provisions of Chapter 481 FS.
Expiration date: NOV 30, 2009

ROSENBERG, WILLIAM P
5190 N.W. 167 STREET
SUITE 111
MIAMI FL 33014

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

HOLLY BENSON
SECRETARY

MIAMI-DADE COUNTY
TAX COLLECTOR
140 W. FLAGLER ST.
14th FLOOR
MIAMI, FL 33130

2007 LOCAL BUSINESS TAX RECEIPT 2008
MIAMI-DADE COUNTY - STATE OF FLORIDA
EXPIRES SEPT. 30, 2008
MUST BE DISPLAYED AT PLACE OF BUSINESS
PURSUANT TO COUNTY CODE CHAPTER 8A - ART. 9 & 10

FIRST-CLASS
U.S. POSTAGE
PAID
MIAMI, FL
PERMIT NO. 231

THIS IS NOT A BILL DO NOT PAY

062394-3 RENEWAL
BUSINESS NAME / LOCATION LICENSE NO. 062394-3

ROSENBERG WILLIAM P STATE# 0000143
5190 NW 167 ST 111
33014 MIAMI GARDENS

OWNER

ROSENBERG WILLIAM P

Sec. Type of Business

212 PROFESSIONAL

THIS IS ONLY A LOCAL BUSINESS TAX RECEIPT. IT DOES NOT PERMIT THE HOLDER TO VIOLATE ANY EXISTING OR REGULATORY OR ZONING LAWS OF THE COUNTY OR CITIES. NOR DOES IT EXEMPT THE HOLDER FROM ANY OTHER PERMIT OR LICENSE REQUIRED BY LAW. THIS IS NOT A CERTIFICATION OF THE HOLDER'S QUALIFICATION.

DO NOT FORWARD

ROSENBERG WILLIAM P
ROSENBERG DESIGN GROUP INC
5190 NW 167 ST 111
MIAMI GARDENS FL 33014

PAYMENT RECEIVED
MIAMI-DADE COUNTY TAX
COLLECTOR:

07/12/2007
60010000595
000060.00

SEE OTHER SIDE

MIAMI-DADE COUNTY
TAX COLLECTOR
140 W. FLAGLER ST.
14th FLOOR
MIAMI, FL 33130

2007 LOCAL BUSINESS TAX RECEIPT 2008
MIAMI-DADE COUNTY - STATE OF FLORIDA
EXPIRES SEPT. 30, 2008
MUST BE DISPLAYED AT PLACE OF BUSINESS
PURSUANT TO COUNTY CODE CHAPTER 8A - ART. 9 & 10

FIRST-CLASS
U.S. POSTAGE
PAID
MIAMI, FL
PERMIT NO. 231

THIS IS NOT A BILL-DO NOT PAY

594290-0 RENEWAL
BUSINESS NAME / LOCATION LICENSE NO. 619974-9

ROSENBERG DESIGN GROUP INC
5190 NW 167 ST 111
33014 MIAMI GARDENS

OWNER

ROSENBERG DESIGN GROUP INC

Sec. Type of Business EMPLOYEE/S

212 P.A./CORP/PARTNERSHIP/FIRM 1

THIS IS ONLY A LOCAL BUSINESS TAX RECEIPT. IT DOES NOT PERMIT THE HOLDER TO VIOLATE ANY EXISTING OR REGULATORY OR ZONING LAWS OF THE COUNTY OR CITIES. NOR DOES IT EXEMPT THE HOLDER FROM ANY OTHER PERMIT OR LICENSE REQUIRED BY LAW. THIS IS NOT A CERTIFICATION OF THE HOLDER'S QUALIFICATION.

DO NOT FORWARD

ROSENBERG DESIGN GROUP INC
WILLIAM P ROSENBERG
5190 NW 167 ST 111
MIAMI GARDENS FL 33014

PAYMENT RECEIVED
MIAMI-DADE COUNTY TAX
COLLECTOR:

07/12/2007
60010000597
000045.00

SEE OTHER SIDE

CITY OF MIAMI GARDENS

CU

2008 CERTIFICATE OF USE 2008
EXPIRES December 31, 2008
MUST BE DISPLAYED AT PLACE OF BUSINESS

LICENSE	ITEM	DESCRIPTION / RESTRICTIONS
CU-004876		All Genrl Bus/Whls/Retl Uses

Business Name/Location *0023816*
ROSENBERG GARDNER DESIGN
5190 NW 167TH ST, 111
MIAMI GARDENS, FL 33014

Owner/Corp. Name
WILLIAM P. ROSENBERG

ROSENBERG GARDNER DESIGN
5190 NW 167TH ST, 111
MIAMI GARDENS, FL 33014

Use as permitted within zone.

City of Miami Gardens Enforcement Department 1515 NW 167th ST, Building 5 Suite 200, Miami Gardens FL 33169

CITY OF MIAMI GARDENS

BT

2008 BUSINESS TAX RECEIPT 2008
EXPIRES September 30, 2008
MUST BE DISPLAYED AT PLACE OF BUSINESS

LICENSE	ITEM	DESCRIPTION / RESTRICTIONS
BT-008277	2020	PROFESSIONALS -EACH

Business Name/Location *0039539*
KEN GARDNER
5190 NW 167TH ST
111
MIAMI GARDENS, FL 33014

Owner/Corp. Name

KEN GARDNER
5190 NW 167TH ST, 111
MIAMI GARDENS, FL 33014

This is an business tax only. It does not permit the payee to violate any existing regulatory or zoning laws of the City or Miami Dade County. Nor does it exempt the payee from any other tax or permit required by law. This is not a certification of the payee's qualification

City of Miami Gardens Enforcement Department 1515 NW 167th ST, Building 5 Suite 200, Miami Gardens FL 33169

CITY OF MIAMI GARDENS

BT

2008 BUSINESS TAX RECEIPT 2008
EXPIRES September 30, 2008
MUST BE DISPLAYED AT PLACE OF BUSINESS

LICENSE	ITEM	DESCRIPTION / RESTRICTIONS
BT-008278	2590	UNCLASSIFIED
		ARCHITECT OFFICE

Business Name/Location *0023816*
ROSENBERG GARDNER DESIGN
5190 NW 167TH ST
111
MIAMI GARDENS, FL 33014

Owner/Corp. Name
WILLIAM P. ROSENBERG

ROSENBERG GARDNER DESIGN
5190 NW 167TH ST, 111
MIAMI GARDENS, FL 33014

This is an business tax only. It does not permit the payee to violate any existing regulatory or zoning laws of the City or Miami Dade County. Nor does it exempt the payee from any other tax or permit required by law. This is not a certification of the payee's qualification

City of Miami Gardens Enforcement Department 1515 NW 167th ST, Building 5 Suite 200, Miami Gardens FL 33169

Procurement Management
111 NW 1st Street • Suite 1300
Miami, Florida 33128-1974
T 305-375-5289 F 305-375-4407 305-372-6128

miamidade.gov

ADA Coordination
Agenda Coordination
Animal Services
Art in Public Places
Audit and Management Services
Aviation
Building
Building Code Compliance
Business Development
Capital Improvements
Citizens' Independent Transportation Trust
Commission on Ethics and Public Trust
Communications
Community Action Agency
Community & Economic Development
Community Relations
Consumer Services
Corrections & Rehabilitation
Cultural Affairs
Elections
Emergency Management
Employee Relations
Empowerment Trust
Enterprise Technology Services
Environmental Resources Management
Fair Employment Practices
Finance
Fire Rescue
General Services Administration
Historic Preservation
Homeless Trust
Housing Agency
Housing Finance Authority
Human Services
Independent Review Panel
International Trade Consortium
Juvenile Services
Medical Examiner
Metro-Miami Action Plan
Metropolitan Planning Organization
Park and Recreation
Planning and Zoning
Police
Procurement Management
Property Appraisal
Public Library System
Public Works
Safe Neighborhood Parks
Seaport
Solid Waste Management
Strategic Business Management
Team Metro
Transit
Task Force on Urban Economic Revitalization
Vizcaya Museum And Gardens
Water & Sewer

October 16, 2007

CERT. NO: 11750
APPROVAL DATE(s): 10/15/2007 - CBE
EXPIRATION DATE: 10/31/2008

Eduardo Suarez
P (3) S M, LLC
3900 NW 79th Ave, #235
Doral, FL 33166-0000

Dear Mr. Suarez:

We are pleased to inform you that the Department of Business Development is now Small Business Affairs (SBA) within the Department of Procurement Management. As a result of the review of your application and attachments submitted for certification, your firm is officially certified as a Community Business Enterprise (CBE) in the categories listed below.

This certification is valid for twelve (12) months, expiring as noted above. This certification affords your company the opportunity to benefit from participation in county contracts with small business measures. Please note the trade categories listed below. These are the only sheltered market areas that your company is eligible to bid or participate in under your current certification.

If any changes occur within your company during the certification period (such as ownership, address, telephone number, trade category, licensing, technical certification, bonding capacity, or if the business ceases to exist) you are required to notify this department in writing, immediately. It is of critical importance that current information regarding your company be updated. All inquiries or changes related to this certification should be directed to the SBA Certification Unit. An application for re-certification (a much shorter process) must be submitted and forwarded to this office within four (4) weeks of the referenced expiration date. Should your firm fail to re-certify, or lose its certification for any reason, the ability to work on contracts with measures will be affected.

We look forward to your participation in Miami-Dade County's small and/or disadvantaged business programs.

Sincerely,

Miriam Singer
Director

CATEGORIES: (Your firm may bid or participate on contracts only under these categories)
Surveying And Mapping-Land Surveying (CBE)

c:Penelope Townsley, Interim Director
Small Business Affairs

DBDR0024

Delivering Excellence Every Day

MIAMI-DADE COUNTY

Procurement Management
111 NW 1st Street • Suite 1300
Miami, Florida 33128-1974
T 305-375-5289 F 305-375-4407 305-372-6128

miamidade.gov

ADA Coordination
Agenda Coordination
Animal Services
Art in Public Places
Audit and Management Services
Aviation
Building
Building Code Compliance
Business Development
Capital Improvements
Citizens' Independent Transportation Trust
Commission on Ethics and Public Trust
Communications
Community Action Agency
Community & Economic Development
Community Relations
Consumer Services
Corrections & Rehabilitation
Cultural Affairs
Elections
Emergency Management
Employee Relations
Empowerment Trust
Enterprise Technology Services
Environmental Resources Management
Fair Employment Practices
Finance
Fire Rescue
General Services Administration
Historic Preservation
Homeless Trust
Housing Agency
Housing Finance Authority
Human Services
Independent Review Panel
International Trade Consortium
Juvenile Services
Medical Examiner
Metro-Miami Action Plan
Metropolitan Planning Organization
Park and Recreation
Planning and Zoning
Police
Procurement Management
Property Appraisal
Public Library System
Public Works
Safe Neighborhood Parks
Seaport
Solid Waste Management
Strategic Business Management
Team Metro
Transit
Task Force on Urban Economic Revitalization
Vizcaya Museum And Gardens
Water & Sewer

October 16, 2007

CERT. NO: 10353
APPROVAL DATE(s): 10/15/2007 - DBE
EXPIRATION DATE: 10/31/2010

Eduardo Suarez
P (3) S M, LLC
3900 NW 79th Ave, #235
Doral, FL 33166-0000

Dear Eduardo Suarez:

We are pleased to inform you that the Department of Business Development is now Small Business Affairs (SBA) within the Department of Procurement Management. As a result of the review of your application and attachments submitted for certification, your firm is officially certified as a Disadvantaged Business Enterprise (DBE) in the categories listed below. Your DBE certification is valid for three (3) years, expiring as noted above.

While DBE certification qualifies your firm to bid and participate on projects with DBE participation requirements, please note that this certification does not allow you to participate on projects with Community Small Business Enterprise and/or Community Business Enterprise (CSBE/CBE) program requirements unless you are specifically certified in these programs. Please note that certification as a small business enterprise continues to be valid for one (1) year.

If any changes occur within your company during the certification period (such as ownership, address, telephone number, trade category, licensing, technical certification, bonding capacity, or if the business ceases to exist) you are required to notify this department in writing, immediately. It is of critical importance that current information regarding your company be updated. All inquiries or changes related to this certification should be directed to the SBA Certification Unit. An application for re-certification (a much shorter process) must be submitted and forwarded to this office within four (4) weeks of the referenced expiration date. Should your firm fail to re-certify, or lose its certification for any reason, the ability to work on contracts with measures will be affected.

We look forward to your participation in Miami-Dade County's small and/or disadvantaged business programs.

Sincerely,

Miriam Singer
Director

CATEGORIES: (Your firm may bid or participate on contracts only under these categories)
Surveying And Mapping (Except Geophysical) Services (DBE)

c: Penelope Townsley, Interim Director
Small Business Affairs

Delivering Excellence Every Day

DBDR0024

MIAMI-DADE COUNTY

Carlos Alvarez, Mayor

Small Business Development
111 NW 1st Street • 19th Floor
Miami, Florida 33128-1906
T 305-375-3111 F 305-375-3160

miamidade.gov

February 4, 2008

Eduardo M. Suarez, President
P(3)SM, LLC
3900 NW 79th Avenue, Suite 235
Doral, FL 33166

Re: A/E Pre-Qualification Certificate No. 2007-364551726-02

Dear Consultant:

Upon review of the information submitted in support of your application for Miami-Dade County's A/E Pre-Qualification Certification, we hereby approve your firm's qualifications to provide professional services to the County as stated in the attached A/E Pre-Qualification Certificate. This certificate should be displayed in a conspicuous location within your facility and will be in effect until the expiration date shown on the certificate.

Please note that you are required to immediately report any significant changes to your firm during the A/E Pre-Qualification Certification period, such as changes in staffing, qualifier, ownership, licensing, etc., to the Pre-Qualification Certification Coordinator located at Stephen P. Clark Center 111 N.W. 1st Street, 19th Floor, Miami, Florida 33128-1835, within thirty (30) days from such a change. Similarly, upon review of such notification, a revised A/E Pre-Qualification Certificate will be issued.

If you have any questions regarding your firm's A/E Pre-Qualification Certification, please contact the Pre-Qualification Certification Management Unit at (305) 375-3111.

Sincerely,

Penelope Townsley, Director
Small Business Development

PT/AAV:
Attachments

cc: PQC File

PQ Certificate No.:	**2007-364551726-02**	**Page: 1**
Approval Date:	**12/12/2007**	
Expiration Date:	**12/31/2008**	
Business Enterprise:	***Future Use***	

Miami-Dade County, Florida

A/E PRE-QUALIFICATION CERTIFICATE

This certificate is hereby issued to: Eduardo M. Suarez, President
P(3)SM, LLC
3900 NW 79th Avenue, Suite 235
Doral, FL 33166

By issuance of this certificate, the applicant, named above, has committed its firm to comply with the specific conditions listed below:

1. *Affirms its commitment to the submittal of an Affirmative Action Plan (Plan) for the purpose of maintaining equal employment and promotional opportunity, with particular emphasis on improving the minority and/or women work force population and utilization of minority and/or women-owned professional firms, consultants, and/or suppliers. Special meetings will be conducted with executive management and supervisory personnel to explain the intent of the Plan and individual responsibility for effective implementation and making clear the firm's commitment to the Plan. Additionally, the Plan will be discussed at employee orientations and training programs. The Plan will be available for review during normal business hours by contacting the Affirmative Action Officer. Raul Izquierdo is the appointed Affirmative Action Officer and may be reached at (305) 463-0912.*

2. *Pre-Qualified to offer professional services only in the Miami-Dade County technical categories shown in the attached "Statement of Technical Qualifications." All technical category restrictions must be strictly adhered to.*

3. *Pre-Qualification Certification (PQC) consolidates the technical certification, affirmative action plan, and business entity registration into one streamlined certification process resulting in the issuance of a Pre-Qualification Certificate.*

4. *Report any significant changes, such as staffing, qualifier, ownership, licensing, firm address, etc., to Department of Small Business Development (SBD) PQC Unit located at 111 N.W. 1st Street, 19th Floor, Miami, Florida 33128, within 30 days of such a change. Failure to report said changes to the County may result in the immediate suspension or termination of your firm's PQC certification.*

5. *Failure to renew your firm's PQC at least thirty (30) days prior to your firm's current expiration date may result in the suspension and/or termination from County programs and current or future contracts until your firm's Pre-Qualification Certification has been properly renewed. Any lapses in the certification of any of the required PQC areas (vendor registration, affirmative action plan, or technical certification) will result in a lapse in your PQC. Firms are responsible for observing and adhering to all submission deadlines.*

6. *Any renewal applications and/or supporting documents submitted after the application deadline will delay the review of your firm's PQC certification to the next available Technical Certification Committee meeting. The PQC application, submission deadlines, and the Technical Certification Committee meeting calendar can be found on the Small Business Affairs' web site located at www.miamidade.gov/dbd.*

7. *Permit Miami-Dade County representatives to have access during normal business hours to audit books and records to verify information submitted with this application. This right of access shall commence on the approval date of this certificate and shall terminate on its expiration date.*

Please note that if at any time Miami-Dade County has reason to believe that any person or firm has willfully and knowingly provided incorrect information or made false statements, the County may refer the matter to the State Attorney's Office and/or other investigative agencies, initiate debarment procedures, and/or pursue sanctions or other legal remedies in accordance with Miami-Dade County policy and/or applicable federal, state and local laws.

If you have any questions regarding this certificate, please contact the PQC Unit at (305) 375-3111.

MIAMI-DADE COUNTY

Penelope Townsley, Director, Small Business Development

Miami-Dade County, Florida
Statement of Engineering, Architecture, Landscape Architecture, Land Surveying and Mapping Certification

Firm: P(3)SM, LLC
3900 NW 79th Avenue, Suite 235
Doral FL 33166

Category	Committee Review	Approval	Expires
15.01 - Land Surveying	12/12/2007	/ /	12/31/2008

Luisa M. Donovan

Luisa Millan-Donovan, R.A.,
Chief of Professional Service Division
Certification Committee

Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

DENVER J. STUTLER, JR.
SECRETARY

July 6, 2006

Raul Izquierdo, Vice President
P(3)SM, LLC
3900 NW 79th Avenue, Suite 235
Doral, Florida 33166

Dear Mr. Izquierdo:

The Florida Department of Transportation has reviewed your application for qualification package and determined that the data submitted is adequate to qualify your firm for the following types of work:

Group 8 - Survey and Mapping

8.1 - Control Surveying
8.2 - Design, Right of Way & Construction Surveying
8.4 - Right of Way Mapping

Your firm is now qualified to do work for the Department for minor projects only. This level of qualification allows consultants to compete for minor projects with fees estimated at below $250,000.00.

Should you have any questions, please feel free to contact me at 850/414-4485.

Sincerely,

Lorraine E. Odom

Lorraine E. Odom
Professional Services
Qualification Administrator

LEO/smr

STATE OF FLORIDA AC# 3149661
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

LB7335 03/20/07 000000000

SURVEYING & MAPPING BUSINESS
P3SM LLC

IS CERTIFIED under the provisions of Ch.472 FS.
Expiration date: FEB 28, 2009 L07032000443

DETACH HERE

AC#3149661

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROF SURVEYORS & MAPPERS SEQ#L07032000443

DATE	BATCH NUMBER	LICENSE NBR
03/20/2007	000000000	LB7335

The SURVEYING & MAPPING BUSINESS
Named below IS CERTIFIED
Under the provisions of Chapter 472 FS.
Expiration date: FEB 28, 2009

P3SM LLC
3900 NW 79 AVE STE 235
DORAL FL 33166

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

HOLLY BENSON
SECRETARY

STATE OF FLORIDA AC#3146710

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

LS6313 03/17/07 068153607

SURVEYOR AND MAPPER
SUAREZ, EDUARDO MIGUEL

IS LICENSED under the provisions of Ch. 472 FS.
Expiration date: FEB 28, 2009 L0703170171

DETACH HERE

AC#3146710

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROF SURVEYORS & MAPPERS SEQ#L0703170171

DATE	BATCH NUMBER	LICENSE NBR
03/17/2007	068153607	LS6313

The SURVEYOR AND MAPPER
Named below IS LICENSED
Under the provisions of Chapter 472 FS.
Expiration date: FEB 28, 2009

SUAREZ, EDUARDO MIGUEL
3900 NW 79TH AVENUE
SUITE 236
DORAL FL 33166

CHARLIE CRIST
GOVERNOR

HOLLY BENSON
SECRETARY

DISPLAY AS REQUIRED BY LAW

STATE OF FLORIDA AC# 3203605
DEPARTMENT OF BUSINESS AND
PROFESSIONAL REGULATION

LS6099 04/20/07 068153669

SURVEYOR AND MAPPER
IZQUIERDO, RAUL DE JESUS

IS LICENSED under the provisions of Ch.472 FS.
Expiration date: FEB 28, 2009 L0704200071

DETACH HERE

#3203605 STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROF SURVEYORS & MAPPERS SEQ#L0704200071

DATE	BATCH NUMBER	LICENSE NBR
4/20/2007	068153669	LS6099

The SURVEYOR AND MAPPER
Named below IS LICENSED
Under the provisions of Chapter 472 FS
Expiration date: FEB 28, 2009

IZQUIERDO, RAUL DE JESUS
7900 NW 79TH AVE STE 236
DORAL FL 33166

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

HOLLY BENSON
SECRETARY

MIAMI-DADE COUNTY

Carlos Alvarez, Mayor

Small Business Development
111 NW 1st Street • 19th Floor
Miami, Florida 33128-1906
T 305-375-3111 F 305-375-3160

miamidade.gov

June 24, 2008

CERT. NO: 957
APPROVAL DATE(s): 06/24/2008 - CBE
EXPIRATION DATE: 06/30/2009

Manuel Echezarreta
FORD ENGINEERS, INC.
1950 NW 94th Ave, 2nd Floor
Miami, FL 33172

Dear Mr. Echezarreta:

Small Business Development (SBD) has completed the review of your application and attachments submitted for certification. Your firm is officially certified as a Community Business Enterprise (CBE) in the categories listed below.

This certification is valid for twelve (12) months, expiring as noted above. This certification affords your company the opportunity to benefit from participation in county contracts with small business measures. Please note the trade categories listed below. These are the only sheltered market areas that your company is eligible to bid or participate in under your current certification.

If any changes occur within your company during the certification period (such as ownership, address, telephone number, trade category, licensing, technical certification, bonding capacity, or if the business ceases to exist) you are required to notify this department in writing, immediately. It is of critical importance that current information regarding your company be updated. All inquiries or changes related to this certification should be directed to the SBD Certification Unit. An application for re-certification (a much shorter process) must be submitted and forwarded to this office within four (4) weeks of the referenced expiration date. Should your firm fail to re-certify, or lose its certification for any reason, the ability to work on contracts with measures will be affected.

Sincerely,

Penelope Townsley, Director
Small Business Development

CATEGORIES: (Your firm may bid or participate on contracts only under these categories)

Highway Systems-Site Develop/Parking Lot Design (CBE)
Highway Systems-Highway Design (CBE)
W & S Sewer Sys-Water Dist & Sanitary Sewage Coll (CBE)
W & S Sewer Sys-Major Water & Sewer Pumping Facili (CBE)
Environmental Eng-Stormwater Drainage Design Serv (CBE)
General Civil Engineering (CBE)
Engineering Construction Management (CBE)
Highway Systems-Signing, Pavement Marking, Channel (CBE)

DBDR0020 v20080108

MIAMI-DADE COUNTY
BOARD OF COUNTY COMMISSIONERS
OFFICE OF THE COMMISSION AUDITOR

Legislative Notes

Agenda Item:	**8(R)1(B)**
File Number:	**091538**
Committee(s) of Reference:	Board of County Commissioners
Date of Analysis:	June 15, 2009
Type of Item:	Rejection of Unsolicited Proposal

Summary

This resolution authorizes the rejection of an unsolicited proposal received by the Miami-Dade Water and Sewer Department (MDWASD) on July 24, 2008, and refunds $25,000 to the proposer, RIC-Man International, Lanzo Construction of Florida joint Venture (RMI/LCC Joint Venture) and A&P Consulting Transportation Engineering, prime designer/consultant. The scope of work consists of designing and installing a back-up 72-inch raw water main from the Northwest Wellfield to North Royal Poinciana Boulevard and Dove Avenue in the County.

Background and Relevant Legislation

On July 1, 2008, the Board of County Commissioners, through Ordinance 08-79, amended Section 2-8.1 of the Code establishing procedures to evaluate, develop and publish unsolicited proposals for the County's contracts.

The above mentioned ordinance established a protocol for handling unsolicited proposals for the construction of public infrastructures. In particular, this ordinance established a comprehensive review and evaluation process to address and prescribe the following procedures and policies on:(1) initial processing fees to compensate for staff time and costs associated with reviewing and evaluating unsolicited proposals; (2) time lines for determining whether to proceed further with the proposal; (3)manner of rejection; (4) merit and feasibility of the proposal and County priorities;(5) documentation to be included in the contents of a proposal; (6) privacy rights, disclosure of proprietary rights; (7) sovereign immunity; (8) timelines for publication of proposal, and the evaluation and ranking of competing proposals; and (9) negotiations.

Ordinance 08-79 addressed the practice of developers bypassing the competitive bid process by submitting unsolicited proposals, and outlined the County's authority to consider serious innovative proposals that were reviewed and accelerated.

On July 24, 2008, the MDWASD received the unsolicited proposal from RMI/LCC Joint Venture. On December 9, 2008, the proposal was presented to the Governmental Operations and Environmental Committee for consideration. During the committee meeting, MDWASD staff provided that the 72-inch

Raw Water Main was included in the list of approved County projects to be completed by FY 2013-14; however, staff noted that RMI/LCC Joint Venture declared they would provide savings during the construction process and complete the project ahead of the County's schedule. A letter attached to Government Operations Item 4(A) from RIC-Man International, dated July 22, 2008 to County Manger George M. Burgess states:

> "RIC-Man International seeks to ensure that MDWASD's effort is realized in the next three years, almost three years ahead of the existing schedule and for the same dollar amount or less than what MDWASD has in their budget with no change orders."

However, on December 16, 2008, during the BCC meeting, the item was deferred to no date certain.

RMI/LCC Joint Venture provided the following declarations for the County's consideration:

- The cost of the project will be less than the estimated budget;
- If the County's budget allocations are exhausted, RMI/LCC Joint Venture will finance costs until the next allocation is obtained;
- If accepted by the County, RMI/LCC Joint Venture will expedite the construction of these projects by almost three years or will be achieved within 1095 of the Notice-to-proceed;
- RMI/LCC Joint Venture highlighted that their team is supported by several local CBE and CSBE companies;
- RMI/LCC Joint Venture provided their financial capacity and bonding information with Liberty Mutual;
- RMI/LCC Joint Venture will provide the design plans to the affected community through the design process; and
- Notices will be provided to property occupants (private and public) of all planned disruptions 72 hours in advance.

The following questions were posed to MDWASD staff:

1. What were the results from MDWASD review in October 2008?

   According to staff, the results from MDWASD's review required a change in the scope of work.

2. When did the MDWASD determine to reject the unsolicited proposal? The item does not provide the consultants recommendations.

   MDWASD accepted the unsolicited proposal on October, 28, 2008. It was placed on the December 9, 2008 GOE agenda.

   In April 2009, MDWASD met with the Proposer Team (RMI/L.C. Joint Venture) and notified them verbally of the intent to reject proposal due to a change of the scope of work.

On May 26, 2009, the County Manager send a letter to Mr. David Mancini , President of RMI/L.C. Joint Venture, officially rejecting the proposal.

3. Why did it take 7 months (deferred in December 2008 to no time certain) to bring this item back to the legislative process?

   MDWASD was in the process of evaluating the conditions presented by the proposed GWUDI Treatment Facilities at the Northwest Wellfield.

Additional Notes

The following highlights other governmental entities that have established unsolicited proposal procedures:

- Florida Dept of Transportation (FDOT) -- Sect. 334.30(1) – *Public-private transportation facilities*, and Sect. 338.235 Fla. Stat. – *Contracts with the Department*
  - Requiring only 60 days from the initial publication to accept other comparable proposals for the same project.
  - Applying to projects falling within the purview of the Florida Expressway Authorities.

States which have expressly authorized unsolicited proposals:

- Colorado
- Oregon
- Washington
- Delaware

According to the Small Business Development Violations Report for May 29, 2009: RIC-Man International does not have any violations; Lanzo Construction of Florida has a closed violation for prime failing to meet CSBE subcontractor goal totaling $148,000. The violation was issued on January 17, 2003 and closed on January 29, 2009.

The consultant mentioned in the background memo (page 2, paragraph 2, first sentence), is Carollo Engineers.

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