

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2009	2010	2011	2012	2013
Capital Expenditures	\$1,840,461	0	0	0	0
Operating Costs	_____	0	0	0	0
External Revenues	_____	0	0	0	0
Program Income (County)	_____	0	0	0	0
In-Kind Match (County)	_____	_____	_____	_____	_____
NET FISCAL IMPACT	\$1,840,461	_____	_____	_____	_____
# ADDITIONAL FTE POSITIONS (Cumulative)	0	_____	_____	_____	_____

Is Item Included in Current Budget? Yes _____ No X
 Budget Account No: Fund _____ Dept _____ Unit _____ Object _____
 Reporting Category _____

B. Recommended Sources of Funds/Summary of Fiscal Impact:

FUND: \$6.1M Sunshine#8 06, Park & Marina Improvements		
UNIT: Phil Foster Park Marina		
Design/Eng/Mgmt- CIP Admin	3043-581-P625-6505	\$1,010,983
FUND: Park Improvement Fund		
UNIT: Hurricane Wilma		
Hurricane/Disaster Expenses	3600-581-D06A-4900	\$265,029
FUND: Park Impact Fees Z-3		
UNIT: Aquacrest Pool Facility Enhancement		
Design/Eng/Mgmt - CIP Admin	3603-581-P124-6505	\$80,213
Park Improvements	3603-581-P124-6520	\$484,236
Total		\$1,840,461

A. OFMB Fiscal and/or Contract Development and Control Comments:

[Signature]

 OFMB 8/10/09
 (10) CN 8/14/09

[Signature] 8/12/09

 Contract Administrator
 This item complies with current
 County policies.

B. Legal Sufficiency:

[Signature] 8/14/09

 Assistant County Attorney

C. Other Department Review:

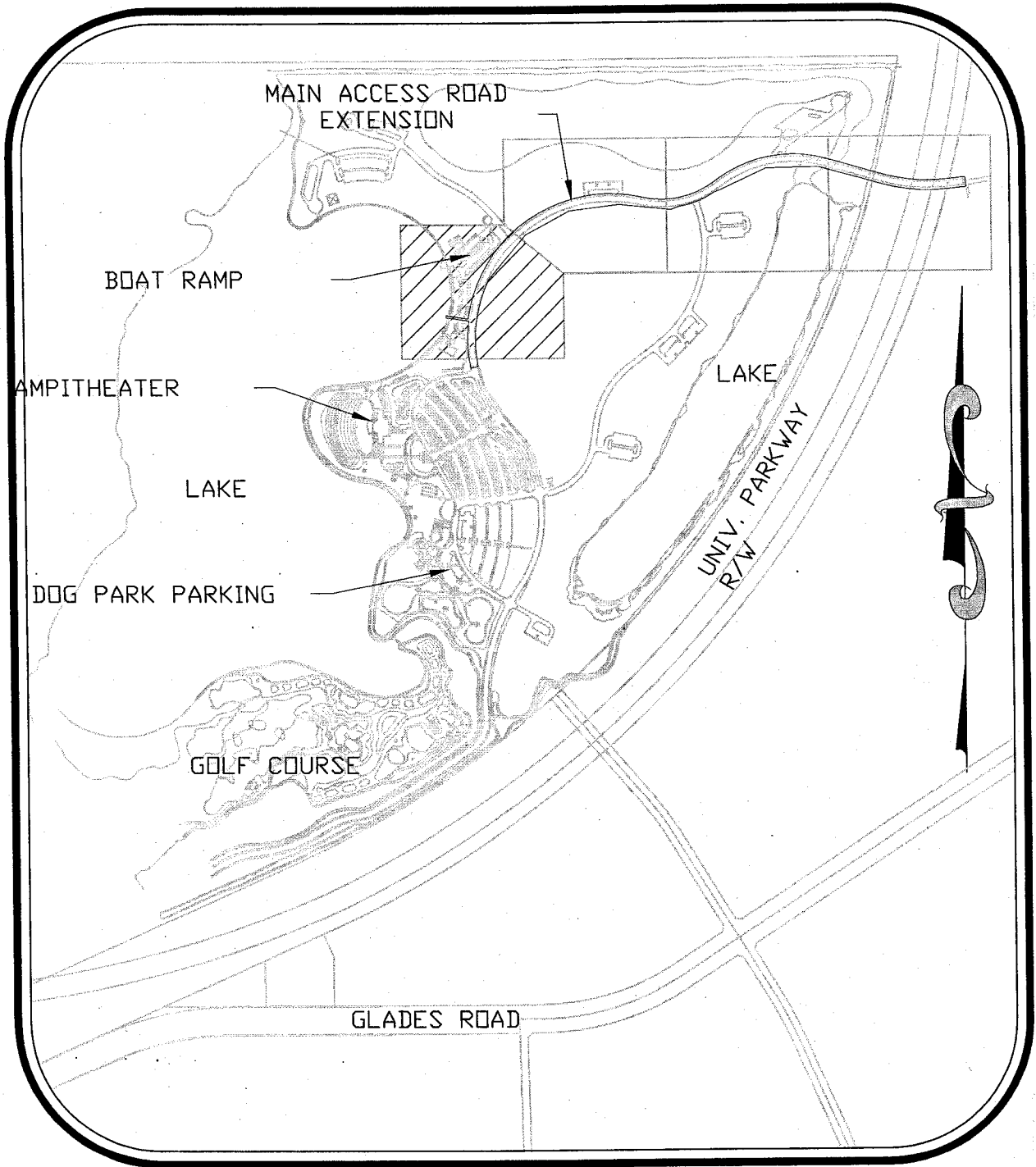
[Signature]

 Dennis Eshleman, Department Director
 Parks and Recreation Department

This summary is not to be used as a basis for payment.

Background and Justification (continued):

infrastructure to supply irrigation water. While the other park components could be finished utilizing temporary irrigation sources, the 27-hole Osprey Point Golf Course was left in the final stages of construction since the permanent irrigation water source was a critical component. The County immediately enlisted the services of Miller Legg to assist in re-acquiring the necessary water use permit. To meet the new requirements of the SFWMD and to address environmental concerns, significant changes to the project were proposed which included: new off-site locations for surficial aquifer wells that provided irrigation water for the entire parcel; significant reductions to the proposed irrigated acreage and the types of grass to be used on the golf course; expanded and enhanced native areas to replace originally proposed irrigated acreage; and the re-establishment of habitat that was lost as a result of previous agricultural and mining activities on the site. As a result of these changes and the involvement of key environmental groups in the design process, the water use permit was re-issued in July of 2009. These design modifications and changes to the unit construction costs over the past 2 years will require additional funding in the amount of \$1,800,000 to complete the project. The additional funding for the project will come from other Parks and Recreation Department projects including the Phil Foster Park Marina which is no longer viable, Aquacrest Pool Facility expansion that requires additional land not currently available, and unencumbered funds remaining in the Hurricane Wilma expense account. A change order to the Golf Course Contractor's contract for the additional construction cost and a new contract for the required off-site wells will be presented to the Board in December.



KEY MAP

N.T.S.

ATTACHMENT #1

FAXED
07/24/09

**FACILITIES DEVELOPMENT & OPERATIONS
BUDGET AVAILABILITY STATEMENT**

REQUEST DATE: 07/06/09 REQUESTED BY: Dave Dolan PHONE: 233-0280
FAX: 233-0270

PROJECT TITLE: South County Regional Park Parcel A PROJECT NO.: 05215

ORIGINAL CONTRACT AMOUNT: NA - Annual BCC RESOLUTION#: _____
DATE: _____

REQUESTED AMOUNT: \$284,879

CSA or CHANGE ORDER NUMBER: Supplement #4 to CSA #3

CONSULTANT/CONTRACTOR: Miller Legg & Associates, Inc.

PROVIDE A BRIEF STATEMENT OF THE SCOPE OF SERVICES TO BE PROVIDED BY THE CONSULTANT/CONTRACTOR:

CSA for additional design, permitting and construction administration services for golf course modifications.

CONSTRUCTION	
PROFESSIONAL SERVICES	\$199,879
STAFF COSTS** (DESIGN / CONST. PHASE)	\$ 85,000
MISC. (permits, prints, advertising, etc)	
TOTAL	\$284,879 199,879

** By signing this BAS your department agrees to these staff costs and your account will be charged upon receipt of this BAS by FD&O. Unless there is a change in the scope of work, no additional staff charges will be billed.

BUDGET ACCOUNT NUMBER (IF KNOWN)

FUND: 3046 DEPT: 581 UNIT: P462 OBJ: 6505

FUNDING SOURCE (CHECK ALL THAT APPLY): AD VALOREM OTHER
 FEDERAL/DAVIS BACON

WFW
BAS APPROVED BY: *Ramin J. [Signature]* DATE: _____

ENCUMBRANCE NUMBER: _____

<input type="checkbox"/> Bond
<input type="checkbox"/> Impact Fees
<input type="checkbox"/> Park Improvement Fund
<input type="checkbox"/> Ad Valorem
<input checked="" type="checkbox"/> Other

BAS APPROVAL	
<input checked="" type="checkbox"/> FULLY FUNDED WITHIN CURRENT BUDGET <i>je</i>	_____
<input type="checkbox"/> FULLY FUNDED PENDING BUDGET TRANSFER	_____

ATTACHMENT #2

FAXED
07/24/09

**FACILITIES DEVELOPMENT & OPERATIONS
BUDGET AVAILABILITY STATEMENT**

REQUEST DATE: 07/06/09

REQUESTED BY: Dave Dolan

PHONE: 233-0280

FAX: 233-0270

PROJECT TITLE: South County Regional Park Parcel A

PROJECT NO.: 05215

ORIGINAL CONTRACT AMOUNT: NA - Annual

BCC RESOLUTION#:

DATE:

REQUESTED AMOUNT: \$239,494

CSA or CHANGE ORDER NUMBER: Supplement #5 to CSA #3

CONSULTANT/CONTRACTOR: Miller Legg & Associates, Inc.

PROVIDE A BRIEF STATEMENT OF THE SCOPE OF SERVICES TO BE PROVIDED BY THE CONSULTANT/CONTRACTOR:

CSA for additional services for recharge well and distribution piping

CONSTRUCTION

PROFESSIONAL SERVICES

STAFF COSTS** (DESIGN / CONST. PHASE)

MISC. (permits, prints, advertising, etc)

TOTAL

\$179,494

~~\$ 60,000~~

\$239,494

179,494

** By signing this BAS your department agrees to these staff costs and your account will be charged upon receipt of this BAS by FD&O. Unless there is a change in the scope of work, no additional staff charges will be billed.

BUDGET ACCOUNT NUMBER (IF KNOWN)

FUND: 3603

DEPT: 581

UNIT: P645

OBJ: 6505

FUNDING SOURCE (CHECK ALL THAT APPLY):

AD VALOREM OTHER

FEDERAL/DAVIS BACON

BAS APPROVED BY: 

DATE: _____

ENCUMBRANCE NUMBER: _____

FUNDING SOURCE(S)

- Bond
 Impact Fees
 Park Improvement Fund
 Ad Valorem
 Other

BAS APPROVAL

FULLY FUNDED WITHIN CURRENT BUDGET

FULLY FUNDED PENDING BUDGET TRANSFER * 

* BGEX 581 072309 * 2108

CONSULTANT SERVICES AUTHORIZATION

MILLER LEGG & ASSOCIATES, INC.
Annual Parks Consultant

SOUTH COUNTY REGIONAL PARK PARCEL "A"
PROJECT NO. 05215
DISTRICT NO. 5

THIS SUPPLEMENT NO. 4 TO AUTHORIZATION NO. 3 to the Contract dated 10/16/07 (R2007-1813) between Palm Beach County and the Consultant identified herein is for the Consultant Services described in Item 3 of this Authorization.

1. **CONSULTANT:** MILLER LEGG & ASSOCIATES, INC.
2005 VISTA PARKWAY
WEST PALM BEACH, FL 33411-2719
2. **Services completed to date:** Authorization No. 1 authorized Miller Legg & Associates, Inc., to provide professional services including development and refinement of environmental/landscaping graphics and narrative for compilation into a Powerpoint presentation regarding potential water use alternatives. Supplement No. 1 authorized additional services for the refinement of environmental/landscaping graphics, attendance and presentation at regulatory and public interest meetings regarding the potential water use alternatives and environmental enhancements, as well as development of a management plan to achieve Audubon International Classic Certification for the golf course and the park. Supplement No. 2 authorized additional landscape architecture and golf course design services, and attendance at additional public and regulatory meetings/presentations. Supplement No. 3 authorized design efforts to resolve the shortfall in the off-site mitigation requirements at Square Lake, services included mitigation shortfall determination, SFWMD permit modification, mitigation design, as-built survey and preparation of a sketch and legal description.
3. **Description of Services to be provided by Consultant:** Professional services shall include design, permitting and construction administration services for the golf course modifications, as detailed on the attached proposal dated June 23, 2009.
4. **History:**

<u>CSA No.</u>	<u>Date</u>	<u>Amount</u>	<u>Approval</u>	<u>Proj. No.</u>
3	03/31/08	\$38,277.50	AW	05215
Supp 1	07/10/08	\$38,055.00	AW	05215
Supp 2	11/02/08	\$70,110.00	CRC	05215
Supp 3	03/04/09	\$30,712.50	CRC	05215
5. **Time of Commencement:** Consultant shall begin work promptly on the requested services upon receipt of this executed document which shall constitute official "Notice to Proceed".
6. **Compensation:** The compensation to be paid to the Consultant for the requested services shall be:

Lump Sum charge	\$199,879.00
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ATTACHMENT # 3

7. This Authorization may be terminated by the County without cause or prior notice. In the event of termination not the fault of the Consultant, the Consultant shall be compensated for all services performed to termination date, together with reimbursable expenses (if applicable) then due.

Consultant agrees to waive any and all claims for lost profits or anticipated future profits in the event of a termination with or without the cause under this Contract.

8. This Supplement No. 4 to Consultant Services Authorization No. 3 is for services partially completed by the consultant prior to the approval date of the referenced consultant services authorization.
9. If not previously provided or for a new project, the Consultant shall provide County with an executed Conflict of Interest Disclosure Form, attached hereto and incorporated herein.
10. **EXCEPT AS HEREBY AMENDED, CHANGED OR MODIFIED**, all other terms and conditions of the original Contract remain in full force and effect.

IN WITNESS WHEREOF, this Authorization is accepted, subject to the terms and conditions of the aforementioned Contract.

COUNTY

ATTEST:
Sharon R. Bock, Clerk & Comptroller

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

By: _____
Deputy Clerk

By: _____
John F. Koons, Chairman

WITNESS:

[Signature]

Sandra Smith
Name (type or print)

Approved as to Form and Legal Sufficiency

Assistant County Attorney

CONSULTANT

By: *[Signature]*
Name: Dylan Larson

Title: Principal

Date: 7/17/09

Approved as to terms and conditions

[Signature]
Director - F D & O



June 23, 2009

Mr. David G. Dolan, Project Manager
Palm Beach County Facilities Development and Operations
Capital Improvements Division
2633 Vista Parkway
West Palm Beach, Florida 33411

Re: **Engineering Services Proposal for South County Regional Park
Golf Course Modifications and Construction Administration Services
Palm Beach Project No. 05215
Supplement 4 to CSA No. 3**

Dear Mr. Dolan:

In response to your request, Miller Legg (ML) is pleased to present this Scope of Services and Fee Proposal for engineering and related services regarding the above referenced project. Attached is our Exhibit "A" – Scope of Services and Fee Proposal addressing the design, permitting and construction administration services. Estimates of manpower allocations with current applicable hourly rates under our Parks and Recreation Contract are enclosed. Fee proposals from our sub-consultants, Roy Case Golf Course Architect are also attached

We appreciate the opportunity to present this proposal and look forward to working with you and County staff on this assignment. If you have any questions, please give us a call.

Sincerely,

Dylan Larson
Principal

cc: Dennis Thomas, P.E.
Christopher Holmes, P.E.

A handwritten signature in black ink, appearing to be "Dylan Larson", written over the typed name and title.

V:\Proposals\Palm Beach County\Parks & Rec\2009\SCRIP Golf Course Modifications\ltr Dolan SCRIP Golf Course
Mods_062309.doc

IMPROVING COMMUNITIES. CREATING ENVIRONMENTS.

Palm Beach Office: 2005 Vista Parkway • Suite 100 • West Palm Beach, Florida • 33411-2719
(561) 689-1138 • Fax: (561) 689-8108
www.millerlegg.com

EXHIBIT A – SCOPE OF SERVICES
South County Regional Park Golf Course (the "Project")
Design Modifications and Contract Administration

1.0 PROJECT DESCRIPTION

- 1.1 South County Regional Park Golf Course has been substantially constructed in accordance with plans and specifications prepared by Heller, Weaver Sheremeta, and Case Golf Company. Final planting of grasses and landscape material has been delayed for over one year due to issues surrounding the impending water use permit for irrigation.
- 1.2 Palm Beach County has developed a plan to obtain approval from SFWMD for the water use permit, assisted by Higgins Engineering, Miller Legg and Case Golf Company. This plan requires certain modifications to the golf course reducing the "in-play" areas, creating bio-swales, natural pathways and other environmentally acceptable improvements.
- 1.3 Palm Beach County, in preparing for completion of the construction, anticipates receipt of the water-use permit soon and requires changes to the construction documents to implement the environmental improvements in 1.2. The County also desires that Construction Administration services be provided to complete the project and prepare the facility for play in early 2010.
- 1.4 South County Regional Park is a Palm Beach County Park located in Boca Raton, Florida, in Section 15, Township 41 E, and Range 47 S, in Palm Beach County, Florida

2.0 BASIS OF SCOPE

- 2.1 The golf course layout, along with the general irrigation distribution system and general grading will remain unchanged.
- 2.2 The existing course will be cleared of approximately 6" to 12" of unsuitable vegetation and capped with approximately 18" (to be determined) of material provided by the County.
- 2.3 It is anticipated that the grading and drainage modifications for the golf course will be primarily located out of fairways where landscaping and environmental modifications to the golf course will be performed. This will include addition to bioswales that will change the grading of certain lake banks and alteration of existing drainage pipes.
- 2.4 Malphurs Construction is currently under contract with Palm Beach County to complete the facility. Malphurs will provide surveying and as-builts. This will not be changed.

- 2.5 Revisions during construction due to golf course shaping or field adjustments will not be updated on the design plans. They will be provided by Malphrus as built survey.
- 2.6 The water use permit is being obtained by Higgins Engineering and not a part of this scope of work. Recharge wells are required. The design of these wells and their distribution piping will be performed by Miller Legg under a separate proposal.
- 2.7 Two comfort stations (restroom facilities) have been designed by Heller Weaver Sheremeta and API Group Inc. The building permits issued for each comfort station expired 3/4/09. Re-design of the comfort stations will not be required. The comfort station building permits will be required to be reactivated by the Contractor with Palm Beach County Building Department.
- 2.8 The design and permitting of the two (2) comfort station sanitary sewer collection system will be completed by the Consultant. The proposed sewer system will include two (2) grinder pump stations and approximately 4,500 LF of force main. The new force main will discharge into an existing sanitary manhole near the golf course clubhouse. Scope of work includes permitting the force main and pump stations with the Palm Beach County Water Utilities and Palm Beach County Health Department.

3.0 INFORMATION TO BE PROVIDED BY CLIENT

- 3.1 As-built plans of completed work including irrigation, drainage, lakes, water distribution, topography, trees.

4.0 SCOPE OF ADDITIONAL SERVICES

Task 1 Project Management and Coordination

Consultant will provide necessary project management for the design and associated construction observation services associated with the project estimated to be completed by May, 2010. Consultant shall coordinate the service of all the design team members and subconsultants to provide Palm Beach County with a complete set of Construction Documents including plans, specifications, and construction cost estimates. This includes coordination with Case Golf Company and Pignato Group (Irrigation Consultant). Also, included are initial meetings and coordination with the site work Contractor (Malphrus Construction), and Palm Beach County for implementation of the proposed work. These initial meetings are required for the reestablishing the project basis of design changes to accommodate the environmental revisions of the project and assisting County in Contractor scope revisions to be within budget.

This task includes the coordination for the following progress submittals to the County, and amends the submittals established in the FD&O Policy and Procedures Manual for this project:

- 65% Construction Documents
(Plans, Specifications and Cost Estimates)
- 95% Construction Documents
(Plans, Specifications and Cost Estimates)
- Final Documents for Construction

Consultant shall attend up to Two (2) project coordination meetings with the County. After all of the comments have been addressed, Consultant will submit a set of a final set of plans to the County for construction.

SCHEDULE – Duration of project, estimated 10 months.

Task 2 Golf Course Capping Coordination

Consultant shall attend up to five (5) coordination meetings with the Contractor and County Staff to discuss golf course capping material source, required specifications and use for capping material, and limits of capping. Due to the variability of the source and quality of the material that will be provided, Consultant shall review source and quality in these initial meetings to determine drainage characteristics and County's desired depth of material. Consultant will assist the County in performing calculations and reading professional opinions as to the suitability of various capping options.

SCHEDULE – 4 months

Task 3 Golf Course Design Modifications

Consultant shall prepare complete construction documents for the following modifications to the golf course:

- Bio-Swale Systems (drainage feature to interrupt and store water in vegetated swale to help remove nutrients) near the existing Lakes
- Conduct field review of existing conditions to aid in determination of grading modifications and existing drainage features
- Grading and Drainage Modifications (due to the variability of fill placement, course elevation changes will be depicted as a global elevation change, only specific drainage features will be depicted in the redesign – near greens, catch basins, outfalls, bioswale locations, transition)
- Grading Modifications as a result of the Golf Course Capping

Construction documents for the golf course modifications shall include following:

- Golf Course Grading and Drainage Plans
- Golf Course Drainage Details
- Technical Specifications

SCHEDULE – 3 months

Task 4 Cart Path Design Modifications

Consultant shall evaluate modifications of material to the cart path to provide alternatives in cost and pervious area and drainage impacts to natural rock versus concrete or asphalt. Consultant will prepare construction documents for the modified cart pathways. Construction documents will provide the following:

- a) Limits of the Paved Cart Path and Coquina Shell Cart Path
- b) Typical Design Section of Coquina Shell Cart Path
- c) Technical Specifications of modified cart pathways

SCHEDULE – 3 months

Task 5 Landscape Character Design / Graphic Rendering

To aid in the determination of the density of planting and resulting appearance, County has requested Consultant develop specific graphic representations of the appearance of the habitat corridors based on different planting densities. Based upon public input and the modified design to make out of play areas into natural habitat corridors, the difference from the original plant quantity and what may now be needed is requested to be provided in graphic form as opposed to just numeric quantification. These character designs will aid County in determining budget requirements for the proposed coverage of landscaping and determine the level of landscaping desired. Consultant will coordinate with the Client on the desired landscape character for the golf course. A field review shall be conducted and the location and health of existing plantings and natural desirable areas that have recruited on the golf course shall be depicted and incorporated into the character design. Consultant shall develop Illustrative Plan Enlargements and Cross-Sections of Typical Habitat Plantings depicting plant species and general spacing in relationship to the golf course as currently designed. Consultant shall provide concepts for upland, transitional, wetland, and bio-swale landscape treatment.

The work of this task includes up to three (3) iterations of each plan and section, plant lists and up to three (3) meetings with the client to coordinate the appropriate landscape character for the golf course.

The completion of this task shall be memorialized by the development of one (1) final overall illustrative plan depicting the landscape treatment of all

out of play areas of the golf course for approval by the client prior to the commencement of task 6.

SCHEDULE – 3 months

Task 6 Landscape Construction Plans and Specifications

Consultant will prepare limited landscape plans for the golf course. The plans shall instruct the contractor on the general landscape treatment for all golf course play and out-of-play areas and shall incorporate the grassing plans provided by Roy Case Golf, the work product of task 5, and irrigation plans from The Pignato Group. Submittals for this task shall correspond with the submittals as outlined in Task 1 above. The work of this task shall be subdivided as follows:

A. The limited landscape construction plan documents will provide the following:

1. Detailed plan enlargements and cross sections of typical habitat plantings, depicting typical spacing and plant species for each habitat type. This contract includes no more than (5) habitats to be detailed.
2. One (1) conceptual overall plan depicting no more than (5) habitat types to be implemented on the golf course.
3. A planting list denoting detailed plant quantities, species, and size for contractor installation.
4. Updated landscape details for all upland, transitional, wetland, and bio-swale plantings and general notes to control the quality of plant materials and soil delivered to the site for installation.
5. Final plant locations will be coordinated in the field at the time of installation by the Consultant, Golf Course Architect, and landscape contractor.

B. Consultant shall review and update landscape specifications submitted by previous consultant and advise on watering, fertilizer, and maintenance requirements.

C. Coordinate plan modifications of the installed landscape irrigation system with the Pignato Group.

SCHEDULE – 3 months

Task 7 Sanitary Sewer Collection System Design and Permitting

Consultant shall prepare engineering plans and specifications of a proposed sanitary sewer collection system for the two (2) comfort stations. The sanitary sewer system will include two (2) grinder pump stations and approximately 4,500 LF of force main with an ultimate connection to an

existing sanitary manhole near the golf course clubhouse. Construction plans for the sanitary improvements shall include the following:

- Cover Sheet
- Master Utility Plan
- General Notes
- Force Main Plan and Profile
- Force Main Details
- Grinder Pump Station Plan and Details
- Grinder pump station calculations

Consultant shall submit final plans, calculations, and support data to the following permitting agencies:

- Palm Beach County Water Utilities Department
Consultant shall coordinate with PBCWUD for the required wastewater treatment plant capacity confirmation and data necessary to complete the permit applications
- Palm Beach County Health Department (Wastewater Permit)

SCHEDULE – 3 months

Task 8 Golf Course Architectural Design Consultation

Case Golf Company shall provide consultation and coordination with Miller Legg, County and Malphrus Construction in determining the redesign of the course prior to construction. This shall include site visits and attending project meetings as necessary to provide information and coordination to facilitate value pricing alternatives to contractors construction contract for the project to restart construction.

SCHEDULE – 5 months

Task 9 Golf Course Architectural Construction Consultation

Case Golf Company shall provide Construction Services Consultation starting one month prior to construction initiation through course opening. Case Golf Company will coordinate with Contractor on site development issues during construction.

SCHEDULE – 6 months

Task 10

Construction Administration Services

1. Construction Administration – Consultant shall attend a pre-construction meeting with Palm Beach County, review shop drawings and assist the contractor prior to the commencement of construction and perform construction administration.

Construction Administration of the project in conformance with Palm Beach County FD&O/CID Policy & Procedures Manual for Design Professionals to include:

- Representation as agent for the County on all technical matters related to the proposed construction.
- Coordinate and process contractor or owner generated RFI's, CCP's, Change Orders, etc. as required through the project duration.
- Review and certification of monthly pay applications.
- Coordination of project work with Palm Beach County Capital Improvements Division (CID).
- Coordination with all sub consultants under Miller Legg's agreement.
- Preparing Substantial and Final Completion Certificates for Palm Beach County, subject to contractor performance.
- Review of certified as-built record drawings provided by the contractor and preparing certifications of work completion required by regulatory agencies

2. Construction Observation – Perform observations of construction activities as the contractor progresses with construction. Under this task, Miller Legg field representatives will perform the following tasks:

- Attend Pre-construction meeting.
- Attend monthly progress meetings (Estimated 5 meetings)
- Process and perform shop drawing reviews.
- Due to the variable nature that the golf course architect will have during shaping of the course to achieve the final look and play of the golf course, additional field time is necessary for the field changes that may result in the placement of the capping material. Coordinate and review potential changes in the depth, volume or quality of the capping material provided on-site and shaped with Roy Case Golf Course Architect and County during construction.
- Visits to the construction site to observe all major components including: installation of the following and report on the acceptability or deficiency of said work. Copies of observation reports will be provided to Palm Beach County CID on a weekly basis:
 - Force Main and Pump Station construction (Up to 8 site visits)
 - Golf Course drainage and grading modification construction (Up to 40 site visits)

- o Large Landscape Material Planting Installation (Up to 10 site visits for tree installations at the advanced tree installation phase)
- o Finish Landscape Material Planting Installation (Up to 10 site visits for shrub, groundcover, sodding, and sprigging installations at the end of construction phase)

The fee for this scope is based on five (5) month construction time with up to forty (48) engineering related site visits and twenty (20) landscape related site visits.

- Perform substantial and final completion inspections and generate appropriate punch list(s) for corrective work.
- Field adjustments will not be revised on the design plans. An as built survey will be provided by Malphrus. Design modifications or permit modifications are not included in this scope.
- Prepare close out package with appropriate documentation of construction activities and certifications.

SCHEDULE – 6 months (5 months construction ½ month at beginning and end for mobilization and demobilization)

5.0 PROFESSIONAL SERVICE FEES

The following professional service fees apply to the above described scope of work:

Task 1 – Project Management & Coordination	\$22,501.50 Lump Sum
Task 2 – Golf Course Capping Coordination	\$6,350.00 Lump Sum
Task 3 – Golf Course Design Modifications	\$22,044.00 Lump Sum
Task 4 – Cart Path Modifications	\$5,385.00 Lump Sum
Task 5 – Landscape Character Design	\$ 20,979.00 Lump Sum
Task 6 – Landscape Planting Plan	\$ 17,754.50 Lump Sum
Task 7 – Sanitary Sewer System Design & Permitting	\$7,209.75 Lump Sum
Task 8 – Golf Course Architectural Pre-construction Consultation (By Case Golf Company)	\$10,000.00 Lump Sum
Task 9 – Golf Course Architectural Construction Consultation (By Case Golf Company)	\$30,000.00 Lump Sum
Task 10 – Construction Administration Services	\$57,655.00 Lump Sum

879.00

Total Fee \$199,878.75 Lump Sum

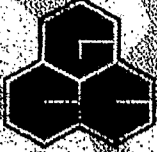
PALM BEACH COUNTY CAPITAL IMPROVEMENTS DIVISION
 SOUTH COUNTY REGIONAL PARK GOLF COURSE
 Hourly Breakdown of Services
 DATE: June 23, 2009
 Design Modifications and Contract Administration

ACTIVITY	Dyfan / Dennis	Chris H.	Adam	Chris B.	Eric	SR.	ADMIN	Ed G.	TOTAL HOURS BY ACTIVITY	LABOR COST BY ACTIVITY
	SENIOR PROJECT MANAGER	PROF. ENG.	DESIGN ENGINEER	LANDSCAPE ARCHITECT	LANDSCAPE DESIGNER	CADD TECH		FIELD REPRESENT		
1 - Project Management & Coordination	\$200.00	\$128.75	\$96.25	\$113.25	\$92.25	\$82.25	\$56.50	\$103.00		
Project Mgm/coord w/ Roy Case and Pignato	20	4		4					28	\$4,968.00
Project Mgm/coord w/ Malphrus Construction	20	4		4					28	\$4,968.00
Assemble Progress submittals (3 max.)		8	8	8	8	18	2		52	\$5,029.50
Coordination Meetings with County	8	8		8					24	\$3,536.00
Printing and Reproduction Expenses										\$4,000.00
Total Project Management & Coordination	48	24	8	24	8	18	2	0	132	\$22,501.50
2 - Golf Course Capping Coordination										
Attend capping coordination meeting (5 meetings)	4	16								\$2,860.00
Perform calculations and analysis of cap material	2	24								\$3,490.00
Total Golf Course Capping Coordination	4	16	0	0	0	0	0	0	20	\$6,350.00
3 - Golf Course Design Modifications										
Bio-Swale Drainage System Design and Plans	4	8	16			24				\$5,328.00
Golf Course Drainage Modifications and Plans	4	8	16			24				\$5,328.00
Grading Modifications and Plans	4	8	16			24			52	\$5,328.00
Drainage Details and Sections	2	4	8			16			30	\$2,993.00
Stormwater Calculations		4	8						12	\$1,277.00
Technical Specifications	2	4	8				2		16	\$1,790.00
Total Golf Course Design Modifications	16	36	72	0	0	88	2	0	110	\$22,044.00
4 - Cart Path Design Modifications										
Establish Limits of Shell Rock / Asphalt Cart Path	2	4	8			12			26	\$2,664.00
Typical Sections	2	4	4			4			14	\$1,625.00
Cart Path Technical Specification	1	4	4						9	\$1,096.00
Total Cart Path Design Modifications	5	12	16	0	0	16	0	0	49	\$5,385.00
5 - Landscape Character Design - Graphic Rendering										
Conceptual Planting Spatial Design (5 Habitats)	2			12	18					\$3,419.50
Conceptual Plan Production	2				30					\$3,167.50
Conceptual Cross Section Production	2				30					\$3,167.50
Technical Evaluation with Drainage Modifications	2			8						\$1,306.00
Conceptual Planting for Bio Swales	2			6	12					\$2,186.50
Progress Meetings (3 total) with client	12			12						\$3,759.00
Final Illustrative Plan	2			12	24					\$3,973.00
Total Landscape Character Design	20	0	0	50	90	0	0	0	0	\$20,979.00
6 - Landscaping Planting Plan										
Detailed Planting Plans (5 habitats)	2			10	40					\$5,222.50
Overall Detail Habitat Plan	2			8	24					\$3,520.00
Plant List with Quantities	2			4	8		8			\$2,043.00
Landscape Planting Details	1			2	6					\$980.00
Bio-Swale Planting Details	2			4	16					\$2,329.00
Landscape Technical Specifications	2			4	8		12			\$2,269.00
Irrigation Plan Coordination	1			4	8					\$1,391.00
Total Landscaping Planting Plan	12	0	0	36	110	0	20	0	0	\$17,754.50
7 - Sewer Collection System and Permitting										
Force Main and Pump Station Design	2	4	8						14	\$1,677.00
Grinder Pump Station Calculations	1	2	4						7	\$838.50
Force Main / Pump Station Construction Plans	2	4	12			20			38	\$3,703.00
Complete PBC Health Dept Permit Application		1	1						2	\$224.00
PBCWJD Plan Submittal and Coordination		1	2						3	\$319.25
Health Dept Permit Submittal and Coordination		2	2						4	\$448.00
Total Sewer Collection System and Permitting	5	14	29	0	0	20	0	0	4	\$7,209.75

PALM BEACH COUNTY CAPITAL IMPROVEMENTS DIVISION
 SOUTH COUNTY REGIONAL PARK GOLF COURSE
 Hourly Breakdown of Services
 DATE: June 23, 2009

Design Adjustments and Contract Administration

ACTIVITY	SENIOR PROJECT MANAGER	PROF. ENG.	DESIGN ENGINEER	LANDSCAPE ARCHITECT	LANDSCAPE DESIGNER	SR. CADD TECH	ADMIN	FIELD REPRESENT	TOTAL HOURS BY ACTIVITY	LABOR COST BY ACTIVITY
	\$200.00	\$128.75	\$95.25	\$113.25	\$92.25	\$92.25	\$56.50	\$103.00		
10 - Construction Administration										
Attend Pre-construction meeting		3		3				3	9	\$1,035.00
ENG Golf Course Modification Construction Observations (40 Site Visits Max.)								160	160	\$16,480.00
ENG Sewer System Construction Observations (8 Site Visits Max.)								32	32	\$3,296.00
LA Construction Observations - Site Visits 20 max.				40	40				80	\$8,220.00
Attend monthly coordination meetings (5 max.)	15			15				15	45	\$6,243.75
Capping field changes r/w with Roy Case		40		3				20	63	\$7,549.75
Review pay applications		4		10				10	24	\$2,677.50
Field changes r/w/coord w/ subs/contractor/county	4	8		10	30			20	72	\$7,790.00
As-built Review		4		8	4			8	24	\$2,614.00
Closeout/certifications w/PBC & agencies		4		4	4			4	16	\$1,749.00
Total - C.A. Services	19	59	0	89	74	0	0	272	96	\$57,655.00
Total Labor Hours - Miller Legg	129	161	125	199	282	142	24	272	338	
TOTAL LABOR COST (Miller Legg)	\$25,800.00	\$20,728.75	\$11,906.25	\$22,536.75	\$26,014.50	\$11,679.50	\$1,356.00	\$28,016.00		\$159,878.75
Subconsultant Fees										
8 - Case Golf Company (Golf Course Architect) (design)								\$2,000 / month		\$10,000.00
9 - Case Golf Company (Golf Course Architect) (construction)								\$5,000 / month		\$30,000.00
Total Project Cost										\$199,878.75



CASE GOLF COMPANY

GOLF COURSE DESIGN

Dylan Larsen PWS, CEP
Principal,
Miller Legg
2005 Vista Parkway
Suite 100
West Palm Beach FL 33411

13 June 2009

Dear Dylan,

SCRIP PARCEL "A"
GOLF COURSE DESIGN SERVICES

Further to your e-mail re fees for completion of the project I have the following comments :-

Task one - golf course design consultation during pre resumption of construction - we shall attend meetings, undertake site visits, and be available to respond to all questions and requests for information, or opinions, for general consultation, as required. Suggested fee \$2,000.00 per month.

Task two - golf course design consultation during construction - attending weekly site visits and meetings, and responding to specific extra site visit requests from the Contractor, on and immediate response basis. Responding to requests for information, or opinions, for general consultation. Suggested fee \$ 5,000.00 per month.

The basis for the monthly fee suggestions are hourly rates, outlined in our e-mail to you dated 30 April 2009, namely, Senior Principal \$ 280 per hour, Junior Principal \$ 250 per hour, Project Design Assistant \$130 per hour.

I hope that this will help in finally resolving the fee issue.

Yours in golf

[Signature]
BOY CASE

SCHEDULE 1

LIST OF PROPOSED SBE-M/WBE SUBCONSULTANTS

PROJECT NAME: South County Regional Park Parcel A PROJECT NO. 05215

NAME OF PRIME CONSULTANT: Miller Legg & Associates, Inc.

DESCRIPTION OF WORK Supplement No. 4 to CSA No. 2

PLEASE IDENTIFY ALL APPLICABLE CATEGORIES OF SUBCONSULTANTS

Name, Address and Phone Number	(Check one or both Categories)		Subcontract Amount				
	Minority Business	Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)
1.	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
2.	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
3.	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
4.	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
5.	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
(Please use additional sheets if necessary)	Total		\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

Total Price \$ 199,879.00 Participation \$ 0 Total % 0

- Note:
1. The amounts listed on this form must be supported by the Subconsultant prices included on Schedule 2 in order to be counted toward goal attainment.
 2. Firms may be certified by Palm Beach County as an SBE and/or M/WBE. If firms are certified as both an SBE and M/WBE, please indicate the dollar amount under the appropriate category.
 3. M/WBE information is being collected for tracking purposes only.

**FACILITIES DEVELOPMENT & OPERATIONS
BUDGET AVAILABILITY STATEMENT**

REQUEST DATE: 07/06/09

REQUESTED BY: Dave Dolan

PHONE: 233-0280

FAX: 233-0270

PROJECT TITLE: South County Regional Park Parcel A

PROJECT NO.: 05215

ORIGINAL CONTRACT AMOUNT: NA - Annual

BCC RESOLUTION#:

DATE:

REQUESTED AMOUNT: \$284,879

CSA or CHANGE ORDER NUMBER: Supplement #4 to CSA #3

CONSULTANT/CONTRACTOR: Miller Legg & Associates, Inc.

PROVIDE A BRIEF STATEMENT OF THE SCOPE OF SERVICES TO BE PROVIDED BY THE CONSULTANT/CONTRACTOR:

CSA for additional design, permitting and construction administration services for golf course modifications.

CONSTRUCTION

PROFESSIONAL SERVICES

\$199,879

STAFF COSTS (DESIGN / CONST. PHASE)**

~~\$ 85,000~~

MISC. (permits, prints, advertising, etc)

TOTAL

\$284,879

199,879

** By signing this BAS your department agrees to these staff costs and your account will be charged upon receipt of this BAS by FD&O. Unless there is a change in the scope of work, no additional staff charges will be billed.

BUDGET ACCOUNT NUMBER (IF KNOWN)

FUND: 3046

DEPT: 581

UNIT: P462

OBJ: 6505

FUNDING SOURCE (CHECK ALL THAT APPLY):

AD VALOREM OTHER

FEDERAL/DAVIS BACON

BAS APPROVED BY: 

DATE: _____

ENCUMBRANCE NUMBER: _____ FUNDING SOURCE(S)

<input type="checkbox"/> Bond
<input type="checkbox"/> Impact Fees
<input type="checkbox"/> Park Improvement Fund
<input type="checkbox"/> Ad Valorem
<input checked="" type="checkbox"/> Other

<u>BAS APPROVAL</u>	
<input checked="" type="checkbox"/> FULLY FUNDED WITHIN CURRENT BUDGET	<u>JE</u>
<input type="checkbox"/> FULLY FUNDED PENDING BUDGET TRANSFER	_____

CONSULTANT SERVICES AUTHORIZATION

MILLER LEGG & ASSOCIATES, INC.
Annual Parks Consultant

SOUTH COUNTY REGIONAL PARK – RECHARGE WELL
PROJECT NO. 09211
DISTRICT NO. 5

THIS SUPPLEMENT NO. 5 TO AUTHORIZATION NO. 3 to the Contract dated 10/16/07 (R2007-1813) between Palm Beach County and the Consultant identified herein is for the Consultant Services described in Item 3 of this Authorization.

1. **CONSULTANT:** **MILLER LEGG & ASSOCIATES, INC.**
2005 VISTA PARKWAY
WEST PALM BEACH, FL 33411-2719

2. **Services completed to date:** Authorization No. 1 authorized Miller Legg & Associates, Inc., to provide professional services including development and refinement of environmental/landscaping graphics and narrative for compilation into a Powerpoint presentation regarding potential water use alternatives. Supplement No. 1 authorized additional services for the refinement of environmental/landscaping graphics, attendance and presentation at regulatory and public interest meetings regarding the potential water use alternatives and environmental enhancements, as well as development of a management plan to achieve Audubon International Classic Certification for the golf course and the park. Supplement No. 2 authorized additional landscape architecture and golf course design services, and attendance at additional public and regulatory meetings/presentations. Supplement No. 3 authorized design efforts to resolve the shortfall in the off-site mitigation requirements at Square Lake, services included mitigation shortfall determination, SFWMD permit modification, mitigation design, as-built survey and preparation of a sketch and legal description. Supplement No. 4 authorized design, permitting and construction administration services for the golf course modifications.

3. **Description of Services to be provided by Consultant:** Professional services shall include design, permitting and construction administration services for the recharge wells, irrigation pump and distribution piping, as detailed on the attached proposal dated July 8, 2009.

4. **History:**

<u>CSA No.</u>	<u>Date</u>	<u>Amount</u>	<u>Approval</u>	<u>Proj No.</u>
3	03/31/08	\$38,277.50	AW	05215
Supp 1	07/10/08	\$38,055.00	AW	05215
Supp 2	11/02/08	\$70,110.00	CRC	05215
Supp 3	03/04/09	\$30,712.50	CRC	05215
Supp 4	Pending	\$199,879.00	BCC	05215

5. **Time of Commencement:** Consultant shall begin work promptly on the requested services upon receipt of this executed document which shall constitute official **“Notice to Proceed”**.

6. **Compensation:** The compensation to be paid to the Consultant for the requested services shall be:

Lump Sum charge of \$179,494.00

ATTACHMENT # 4

7. This Authorization may be terminated by the County without cause or prior notice. In the event of termination not the fault of the Consultant, the Consultant shall be compensated for all services performed to termination date, together with reimbursable expenses (if applicable) then due.

Consultant agrees to waive any and all claims for lost profits or anticipated future profits in the event of a termination with or without the cause under this Contract.

8. This Supplement No. 5 to Consultant Services Authorization No. 3 is for services partially completed by the consultant prior to the approval date of the referenced consultant services authorization.

9. If not previously provided or for a new project, the Consultant shall provide County with an executed Conflict of Interest Disclosure Form, attached hereto and incorporated herein.

10. EXCEPT AS HEREBY AMENDED, CHANGED OR MODIFIED, all other terms and conditions of the original Contract remain in full force and effect.

IN WITNESS WHEREOF, this Authorization is accepted, subject to the terms and conditions of the aforementioned Contract.

COUNTY

ATTEST:
Sharon R. Bock, Clerk & Comptroller

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

By: _____
Deputy Clerk

By: _____
John F. Koons, Chairman

WITNESS:

Sandra Smith
Name (type or print)

CONSULTANT

By: Dylan Larson
Name: Dylan Larson
Title: Principal
Date: 7/17/09

Approved as to Form and Legal Sufficiency

Approved as to terms and conditions

Assistant County Attorney

James Anthony Wolf
Director - F D & O



July 8, 2009

Mr. David G. Dolan, Project Manager
Palm Beach County Facilities Development and Operations
Capital Improvements Division
2633 Vista Parkway
West Palm Beach, Florida 33411

Re: **Engineering Services Proposal for South County Regional Park
Recharge Well and Distribution Piping
Palm Beach Project No. 09211
Supplement 5 to CSA No. 3**

Dear Mr. Dolan:

In response to your request, Miller Legg (ML) is pleased to present this Scope of Services and Fee Proposal for engineering and related services regarding the above referenced project. Attached is our Exhibit "A" – Scope of Services and Fee Proposal addressing the design, permitting and construction administration services. Estimates of manpower allocations with current applicable hourly rates under our Parks and Recreation Contract are enclosed. Fee proposals from our sub-consultants, Mock Roos Inc., C&W Engineering, Brown & Phillips and Tierra are also attached

We appreciate the opportunity to present this proposal and look forward to working with you and County staff on this assignment. If you have any questions, please give us a call.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris J. Holmes".

Chris J. Holmes, P.E.
Engineering

cc: Dennis Thomas, P.E.

V:\Proposals\Palm Beach County\Parks & Rec\2009\SCRIP Recharge Well and Piping\ltr Dolan Recharge Well
061709.doc

IMPROVING COMMUNITIES. CREATING ENVIRONMENTS.

Palm Beach Office: 2005 Vista Parkway • Suite 100 • West Palm Beach, Florida • 33411-2719
(561) 689-1138 • Fax: (561) 689-8108
www.millerlegg.com

EXHIBIT A – SCOPE OF SERVICES
South County Regional Park Golf Course (the “Project”)
Recharge Wells and Piping

1.0 PROJECT DESCRIPTION

- 1.1 Palm Beach County plans to obtain a water use permit approval from SFWMD for a proposed recharge well. The recharge is required to fill the existing retention ponds within the golf course. Construction plans will be required for the two new recharge wells and associated distribution piping. The total length of the proposed piping is approximately 3,500 LF. (See Exhibit B for proposed well and piping locations)
- 1.2 This project requires the development of construction plans and specifications for proposed improvements within South County Regional Park. The project requires the following professional services:
- Preparation of topographic surveys, including control points and related data collection of the proposed well locations and the distribution piping alignment.
 - Geotechnical study of the two (2) proposed well sites.
 - Preparation of final engineering plans and specifications for construction and permitting of the distribution piping from the proposed wells to the park.
 - Preparation of final engineering plans and specifications for construction and permitting of two (2) surficial aquifer wells.
 - Preparation of final electrical engineering plans and specifications for electrical service and controls.
 - Coordination and assistance to obtain regulatory agency permits.
 - Providing Construction Administration and observations of the project work.
- 1.3 South County Regional Park is a Palm Beach County Park located in Boca Raton, Florida, in Section 15, Township 41 E, and Range 47 S, in Palm Beach County, Florida

2.0 BASIS OF SCOPE

- 2.1 This proposal is based on our March 19, 2009 project meeting with the County.
- 2.2 The topographic surveying for the distribution piping and well sites will be prepared by Brown and Phillips under this contract.

- 2.3 Geotechnical services for the two well sites will be provided by Tierra South Florida, under this contract.
- 2.4 The design of approximately 3,500 LF distribution piping for the two proposed wells will be performed by Miller Legg. The distribution piping will be constructed from the wells to an existing Ski Lake within the park as shown on Exhibit B.
- 2.5 The design of the two (2) recharge wells will be performed by Mock Roos under this contract.
- 2.6 The total water demand for the two (2) wells will be based on the SFWMD water use permit prepared by Higgins Engineering
- 2.7 The irrigation system for the amphitheater common areas is drawing water from an existing fire suppression system. The design of an irrigation pump and connection to the existing amphitheater "common area" irrigation system will be performed by Miller Legg. Consultant assumes current irrigation system is properly zoned and all existing equipment (i.e. spray heads, bubblers, clocks, timers, etc.) are functioning properly.
- 2.8 Design and Construction Phase assistance with Mock Roos will be performed by a Hydrogeologic Consultant, JLA Geosciences, under this contract
- 2.9 The locations of the two wells and distribution piping will be determined by the Consultant and coordinated with Palm Beach County Capital Improvements Division, Parks and Recreation Department, and Engineering Services.
- 2.10 The proposed well and piping is anticipated to be constructed within Palm Beach County Right-of-Way and not into any private property.
- 2.11 Easement sketch and legal descriptions for the well sites and distribution piping are not required.
- 2.12 The electrical design will prepared by C&W Engineering under this contract.
- 2.13 A level transmitter and stilling well will be required to monitor water levels in the existing ski lake. The level transmitter will control the two recharge wells. The system will include a two programmable logic controllers (PLC) connected by fiber optic cable or telemetry. The PLC's are electronic boxes with inputs, outputs, and an easily modifiable program. The PLC's will be controlled by an operator interface.
- 2.14 The South Florida Water Management District water use permit is being obtained by Higgins Engineering.

- 2.15 A well construction permit from South Florida Water Management will be provided by the Contractor.
- 2.16 A well construction permit from Palm Beach County Health Department will be provided by the Contractor.
- 2.17 It is anticipated a Palm Beach County Right-of-Way permit will be required for distribution piping.
- 2.18 A permit for the distribution piping from Palm Beach County Health Department is not required.
- 2.19 County shall provide any required monitoring for drawdown or impacts to wetlands or will be provided with an additional service.
- 2.20 The project will be constructed under the County contracted CM, (Weitz Inc.) Plans and specifications will be provided to the CM for progress cost estimates, securing bids, and implementation.
- 2.21 Scheduled or Unscheduled monthly construction progress meetings will not be required. Construction related discussions shall occur during construction observation site visits.

3.0 INFORMATION TO BE PROVIDED BY CLIENT

- 3.1 South Florida Water Management District water use permits for a recharge well.
- 3.2 As-built plans for the amphitheater "common area" irrigation system including valve schedule, mainline layout, valve locations, points of connection, and control location.
- 3.3 Specifications and details of the existing irrigation system.

4.0 SCOPE OF ADDITIONAL SERVICES

Task 1 Project Management and Coordination

Consultant will coordinate the service of all the design team members and sub consultants to provide Palm Beach County with a complete set of Construction Documents including plans, specifications, and construction cost estimates. This includes coordination and plan reviews with sub-consultants. Also, included are meetings and coordination with the site work CM (Weitz Inc.), and Palm Beach County for implementation of the proposed work.

This task includes the coordination for the following progress submittals to the County, and amends the submittals established in the FD&O Policy and Procedures Manual for this project:

- 65% Construction Documents
(Plans, Conceptual, and Outline Specifications)
- 95% Construction Documents
(Plans and Specifications)
- Final Documents for Construction

Consultant shall attend up to two (2) project coordination meetings (including 65% and 95% progress reviews) with the County. After all of the comments have been addressed, Miller Legg will submit a set of a final set of plans to the County for construction.

SCHEDULE – Duration of project, estimated 10 months

Task 2 Topographic Survey

Topographic survey including baseline control, layout, reference points, bench levels and roadway cross sections, as required for the estimated 3,500 L.F. of distribution pipe and two (2) well sites, will be provided by Brown and Phillips, Inc. in accordance with the attached scope of services.

SCHEDULE – 2 months

Task 3 Geotechnical Services

Geotechnical services required for subsurface investigation of the proposed well site will be provided by Tierra South Florida. in accordance with the attached scope of services.

SCHEDULE – 1 month

Task 4 Preliminary Concepts and Coordination

Consultant shall prepare up to two (2) alternative concepts for the two well sites and distribution piping locations for County review. Consultant will attend up to two (2) coordination meetings with the following County staff to review the alternatives:

- Palm Beach County Capital Improvements Division
- Palm Beach County Parks and Recreation Department
- Palm Beach County Engineering for Right-of-Way Permit

Upon the County's review and selection of the desired locations we will prepare final site engineering plans and specifications for the wells and distribution piping

SCHEDULE – 1 ½ month

Task 5 Distribution Pipe Design and Permitting

Consultant shall complete the following engineering services for the proposed distribution piping for the wells. Plans shall meet the requirements of Palm Beach County Engineering standards.

- a) Coordinate with gas, telephone, electric, and cable TV utilities for existing information along the proposed distribution pipe alignment and well sites
- b) Prepare construction plans consisting of the following:
 - Cover Sheet
 - Master Utility Plan
 - General Notes
 - Erosion Control Plan and Details
 - Distribution Piping Plan and Details
- c) Prepare technical specifications for distribution piping

Consultant shall provide engineering permit applications, plans, support data, and coordination to assist Palm Beach County in obtaining the following permits:

- Palm Beach County Engineering (Right of Way Permit)
- Florida Department of Environmental Protection (NPDES Permit)

SCHEDULE – 5 months

Task 6 Recharge Well Design and Permitting

Design for the proposed recharge wells will include the following services, provided by Mock Roos Inc. and JLA Geosciences (hydrogeologic consultant) in accordance with the attached scope of services.

- a) Prepare construction plans for the two (2) surficial aquifer wells consisting of the following:
 - Site Plan
 - Well Construction Details
 - Wellhead Details
 - Standard Details
- b) Prepare technical specifications for the recharge wells
- c) Prepare Engineers Estimate of Probable Construction Cost

Consultant shall provide engineering permit applications, plans, support data, and coordination to assist Palm Beach County in obtaining the following permits:

- Lake Worth Drainage District (Well Discharge)

Consultant shall provide technical information and coordinate with the contractor in obtaining the following permits:

- South Florida Water Management District (Well Construction Permit)
- Palm Beach County Health Department (Well Construction Permit)

SCHEDULE – 5 months

Task 7 Electrical Design and Construction Services

Electrical design and specifications for the electrical connection and communications to the proposed recharge wells will be provided by C&W Electrical Engineers, in accordance with the attached scope of services.

The proposed communication system for the wells will include programmable logic controllers (PLC) at each well. The PLC's are electronic control boxes composed on inputs, outputs, and an operator interface. The operator interface will provide access for the Owner to make changes to the control program.

The following instrumentation, communication, and control systems for the wells will be provided at each well:

Well #1 (Near the Existing Ski Lake)

- A stilling well, level transmitter, and control panel. The control panel will contain the power equipment and PLC
- The level transmitter will connect to well #1 PLC
- Well #1 PLC will include the program and an operator interface
- Well #1 PLC will contain logic for start and stopping of the wells based on the lake level
- Well #1 PLC will communicate to the well#2 PLC via fiber optic or telemetry

Well #2 (Approx. 3,000 Ft away from Well #1)

- Well #2 will include a control panel with power equipment and a PLC
- Well #2 PLC will communicate to the well#2 PLC via fiber optic or telemetry

Construction Phase services electrical work associated with the wells will be performed by C&W Electrical Engineers in accordance with the attached proposal.

SCHEDULE – 5 months

Task 8 Irrigation Pump Design

Consultant shall provide a design and necessary water use permitting through South Florida Water Management District for one irrigation pump and well to provide irrigation for the existing amphitheater "common area" The work of this task includes the following:

- Review of the existing irrigation system
- Design of Well and Pumping Station
- SFWMD Water Use Permitting Calculations, Forms, and Permitting Process

SCHEDULE – 3 months

Task 9 Construction Administration Services

A. Construction Administration – Consultant shall attend a attend a pre-construction meeting with Palm Beach County, review shop drawings and assist the contractor prior to the commencement of construction

Construction Administration of the project in conformance with Palm Beach County FD&O/CID Policy & Procedures Manual for Design Professionals to include:

- Representation as agent for the County on all technical matters related to the proposed construction.
- Coordination with other permit agencies including SFWMD as required during the course of the construction work including annual reports.
- Coordinate and process contractor or owner generated RFI's, CCP's, Change Orders, etc. as required through the project duration.
- Review and certification of monthly pay applications.
- Coordination of project work with Palm Beach County Capital Improvements Division (CID).
- Coordination with all sub consultants under Miller Legg's agreement.
- Preparing Substantial and Final Completion Certificates for Palm Beach County, subject to contractor performance.
- Review of certified as-built record drawings provided by the contractor and preparing certifications of work completion required by regulatory agencies.

B. Construction Observation - Perform observations of construction activities as the contractor progresses with construction. Under this task, Miller Legg field representatives will perform the following tasks:

- Attend Pre-construction meeting.
- Process and perform shop drawing reviews for distribution piping.
- Visits to the construction site to observe all major components including: installation of recharge wells and distribution piping and report on the acceptability or deficiency of said work. Copies of observation reports will be provided to Palm Beach County CID on a weekly basis: The fee for this scope is based on a three (3) month construction time for the distribution piping with up to forty (24) site visits.
- Visits to the irrigation pump and well site to observe all major components including: installation of well and point of connection, report on the acceptability or deficiency of said work. Copies of observation reports will be provided to Palm Beach County CID on a weekly basis: The fee for this scope is based on a two (2) month construction time for the irrigation pump and well with up to three (3) site visits total.
- Coordination of construction progress with County and Contractor during site visits
- Perform substantial and final completion inspections and generate appropriate punch list(s) for corrective work.
- Prepare close out package with appropriate documentation of construction activities and certifications.

SCHEDULE – 4 months

Task 10 Recharge Well Construction Phase Services

Construction Administration Services for the recharge well will include the following services provided by Mock Roos Inc. and JLA Geosciences (hydrogeologic consultant) in accordance with the attached scope of services.

- Attend Pre-construction meeting.
- Process and perform recharge well shop drawing reviews.
- Visits to the construction site to the construction of the wells.
- Coordination of construction progress with County and Contractor during site visits
- Attend periodic construction progress meetings
- Perform substantial and final completion inspections and generate appropriate punch list(s) for corrective work relating to the wells
- Construction observation of the well drilling and well development by a hydrogeologic consultant.
- Prepare a well completion report including data for both wells.

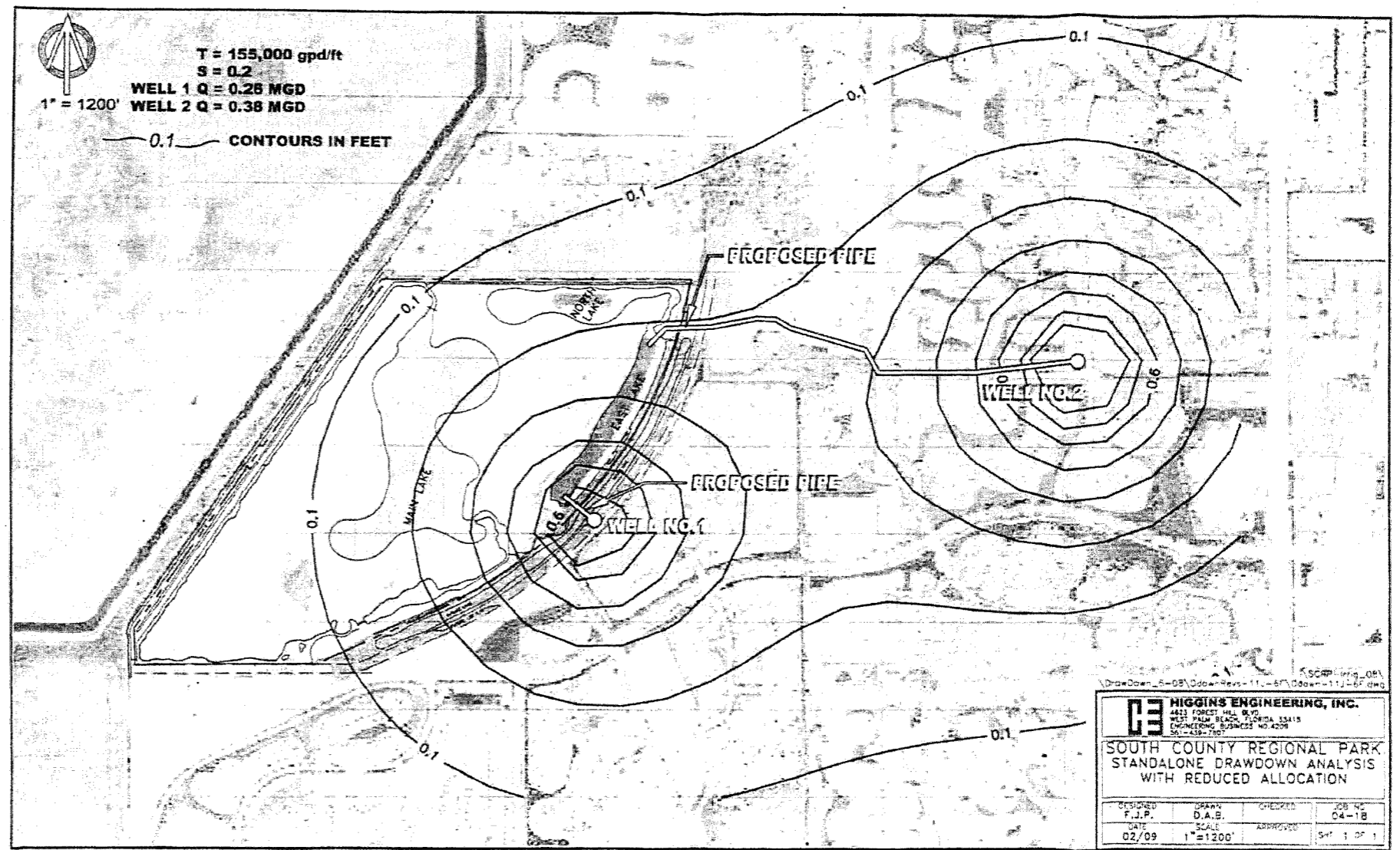
SCHEDULE – 4 months

5.0 PROFESSIONAL SERVICE FEES

The following professional service fees apply to the above described scope of work:

Task 1 – Project Management & Coordination	\$13,537.50 Lump Sum
Task 2 – Topographic Survey (By Brown and Phillips)	\$13,048.00 Lump Sum
Task 3- Geotechnical Services (By Tierra, Inc.)	\$3,665.00 Lump Sum
Task 4 – Preliminary Concepts and Coordination	\$7,172.50 Lump Sum
Task 5 – Distribution Pipe Design	\$18,887.25 Lump Sum
Task 6 – Recharge Well Design (By Mock Roos)	\$33,200.00 Lump Sum
Task 7– Electrical Design & Construction Services (By C&W Engineers)	\$22,000.00 Lump Sum
Task 8 – Irrigation Pump Design	\$4,084.50 Lump Sum
Task 9– Construction Phase Services	\$17,099.25 Lump Sum
<u>Task 10–Well Construction Phase Services (By Mock Roos)</u>	<u>\$46,800.00 Lump Sum</u>

Total Fee: \$179,494 Lump Sum





**South County Regional Park
Recharge Well and Distribution Piping**

**Preliminary Project Schedule
July 8, 2009**

Task	Duration	Start Date	End Date
NTP		August 24, 2009	
Topographic Survey	2 month	August 24, 2009	September 25, 2009
Geotechnical Testing	1 month	August 24, 2009	September 7, 2009
Preliminary Concepts	1.5 months	August 24, 2009	September 25, 2009
Distribution Piping Design/Permitting	5 months	September 28, 2009	February 12, 2009
Recharge Well Design/Permitting	5 months	September 28, 2009	February 12, 2009
Electrical Design	5 months	September 28, 2009	February 12, 2009
Irrigation Pump Design	2 months	August 24, 2009	November 16, 2009
Start Construction		February 15, 2009	

IMPROVING COMMUNITIES. CREATING ENVIRONMENTS.

Palm Beach Office: 2005 Vista Parkway • Suite 100 • West Palm Beach, Florida • 33411-2719
(561) 689-1138 • Fax: (561) 689-8108
www.millerlegg.com

PALM BEACH COUNTY CAPITAL IMPROVEMENTS DIVISION
 SOUTH COUNTY REGIONAL PARK
 Hourly Breakdown of Services
 DATE: July 8, 2009
 RECHARGE WELLS AND PIPING

ACTIVITY	Dennis T. SENIOR PROJECT MANAGER	Chris H. PROF. ENG.	DESIGN ENGINEER	Chris B. LANDSCAPE ARCHITECT	Eric H. LANDSCAPE DESIGNER	SR. CADD TECH	ADMIN	Ed G. FIELD REPRESENT	TOTAL HOURS BY ACTIVITY	LABOR COST BY ACTIVITY
	\$200.00	\$128.75	\$95.25	\$113.25	\$92.25	\$82.25	\$56.50	\$103.00		
Task 1) Project Management & Coordination										
Coordination and Plan Review w/Sub Consultants	4	16							20	\$2,860.00
Assemble and Review 65% Progress Submittal	2	4	6			8			20	\$2,144.50
Assemble and Review 95% Progress Submittal	2	4	6			8			20	\$2,144.50
Assemble Final Submittal		4	6			8			18	\$1,744.50
Coordinate with County - meetings/comments	4	6	6						16	\$2,144.00
Printing and Reproduction Expenses										\$2,500.00
Total Project Management & Coordination	12	34	24	0	0	24	0	0	94	\$13,537.50
Task 4) Preliminary Concepts and Coordination										
Develop/ Review proposed location alternatives	3	3							6	\$986.25
Prepare concepts (2 alternatives)(2 iterations)		8	16			24			48	\$4,528.00
Coordinate with County Staff - meetings/comments	3	6	3						12	\$1,658.25
Total Preliminary Concepts and Coordination	6	17	19	0	0	24	0	0	66	\$7,172.50
Task 5) Distribution Pipe Design & Permitting										
Utility Coordination with gas, phone, electric, cable		2	4				1		7	\$695.00
Prepare Master Utility Plan and Base File		4	8			16			28	\$2,593.00
Prepare Erosion Control Plan / Gen Notes Plan	1	2	4			8			15	\$1,456.50
Prepare Distribution Pipe Plan & Profile	2	10	18			32			62	\$6,034.00
Prepare Distribution Pipe Details	1	2	2			8			13	\$1,306.00
Prepare Technical Specifications	1	2	4				1		8	\$895.00
Coordinate permit fees/applications with County		2	2						4	\$448.00
Prepare PBC Right of Way Permit Application		2	2						4	\$448.00
Prepare FDEP NPDES Permit Application			1						1	\$95.25
Prepare Permit submittal packages		2	4			6	2		14	\$1,245.00
Coordinate and Address permit reviews/comments	2	6	12			16			36	\$3,631.50
Total Distribution Pipe Design & Permitting	5	28	44	0	0	64	2	0	141	\$18,887.25
Task 8) Irrigation Pump Design										
Review Existing Irrigation System				4	8				12	\$1,191.00
Prepare Well and Pump Plans and Details				2	8				10	\$964.50
SFWMD Water Use Permitting				4	16				20	\$1,929.00
Total Irrigation Pump Design	0	0	0	10	32	0	0	0	42	\$4,084.50
Task 10) Construction Administration Services										
Attend Pre-construction meeting		3						3	6	\$695.25
Construction Observations - Site Visits (24 max.)								96	96	\$9,888.00
Irr. Pump Construction Observations -Site Visits (3 max.)				4	8				12	\$1,191.00
Const. Coordination with permitting agencies		2						6	8	\$875.50
Const. Coordination with contractor and County		2	4					16	22	\$2,286.50
Review pay applications								4	4	\$412.00
As-built Review		2						8	10	\$1,081.50
Closeout/certifications w/PBC & agencies		2						4	6	\$689.50
Subtotal - Piping C.A. Services	0	11	4			0	0	137	164	\$17,099.25
Total Labor Hours - Miller Legg	17	71	72	10	32	88	2	137	441	
TOTAL LABOR COST (Miller Legg)	\$3,400.00	\$9,141.25	\$6,858.00	\$1,132.50	\$2,952.00	\$7,238.00	\$113.00	\$14,111.00		\$60,781.00
Subconsultant Fees										
Mock Roos, Inc. (Recharge Well Design)										\$33,200.00
Mock Roos, Inc. (Well Construction Phase)										\$46,800.00
C&W Electrical Engineers (Electrical Services)										\$22,000.00
Brown and Phillips, Inc. (Topographic Survey)										\$13,048.00
Tierra, Inc. (Geotechnical Services)										\$3,665.00
Total Project Cost										\$179,494.00

May 13, 2009

Mr. Christopher Holmes
Miller Legg & Associates, Inc.
2005 Vista Parkway
Suite 100
WPB, FL 33411

Re: South County Regional Park – Well Sites Topographic Survey

Dear Mr. Holmes:

Thank you for the opportunity to provide you with the following services for the subject site. This proposal is based on documentation and information provided by your office. The scope of services is as follows:

SCOPE OF SERVICES

WELL #1

I. HORIZONTAL PROJECT NETWORK CONTROL

A traverse will be run through the site and found monumentation will be tied in. The survey will be oriented to Palm Beach County horizontal (NAD 83/90 Adjustment). We will obtain the sectional and geodetic control information from the Palm Beach County Survey Dept.

II. VERTICAL PROJECT NETWORK CONTROL

A level run will be performed onsite using the existing Palm Beach County benchmarks (NGVD 1988). At least two benchmarks will be set onsite.

III. CROSS SECTIONS/LINE CUTTING

We will obtain elevations along the route on a one hundred (100) foot grid. We will locate sufficient points to give an accurate representation of the lay of the land.

IV. TOPOGRAPHIC SURVEY

A topographic survey will be performed for the proposed pipe route and a 100' area around the proposed well site. This survey will tie in all visible features such as, but not limited to, signs, light poles, guardrails, utilities, walks, edge of pavement, curbing, drainage structures, etc. No tree locations or soundings along the roadway are proposed. The limits will be 30' on either side of the proposed pipe as shown on exhibit 'B'.

V. SOUNDINGS

We will perform soundings at the terminus of the proposed pipe into the East lake. We will measure 2 cross sections 25' out into the lake.

WELL #2

I. HORIZONTAL PROJECT NETWORK CONTROL

A traverse will be run through the site and found monumentation will be tied in. The survey will be oriented to Palm Beach County horizontal (NAD 83/90 Adjustment). We will obtain the sectional and geodetic control information from the Palm Beach County Survey Dept.

II. VERTICAL PROJECT NETWORK CONTROL

A level run will be performed onsite using the existing Palm Beach County benchmarks (NGVD 1988). At least two benchmarks will be set onsite.

III. TOPOGRAPHIC SURVEY

A topographic survey will be performed for the proposed pipe route and a 100' area around the proposed well site. This survey will tie in all visible features such as, but not limited to, signs, light poles, guardrails, utilities, walks, edge of pavement, curbing, drainage structures, etc. These locations will show all features within the corridor from right of way to right of way. No tree location or soundings along the roadway are proposed. The limits are shown on exhibit 'B'.

IV. CROSS SECTIONS

We will obtain elevations along the route on a one hundred (100) foot grid. We will locate sufficient points to give an accurate representation of the lay of the land.

V. SOUNDINGS

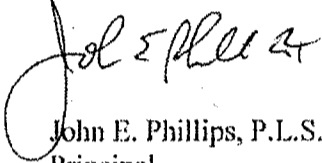
We will perform soundings at the terminus of the proposed pipe into the East lake. We will measure 2 cross sections 25' out into the lake.

VI. CLOSURE

A drawing will be produced which will show all the features located. We propose to provide Miller Legg with (6) hard copies and an AutoCAD file in the version requested. Any additional work will be done on an hourly basis as approved by you. The proposed cost for this project is \$13,048.00 per Attachment 'A'. Please do not hesitate to call me with any questions you might have regarding this proposal. We look forward to working with you on this project.

Sincerely,

Brown & Phillips, Inc.



John E. Phillips, P.L.S.
Principal

JEP/ml

Accepted This _____ Day Of _____, 2009.

Miller Legg

By: _____

Print Name: _____

ATTACHMENT 'A'
South County Regional Park – Well Sites Topographic Survey

Brown & Phillips, Inc. Project No:

Description:

Size: 6800' +/-

Date of Proposal: April 29, 2009

TASK	2 MAN FIELD	CADD TECH	SURVEY TECH	PLS	COMMENTS
WELL #1					
Horizontal Network Control	3		2	1	Set traverse points at convenient locations
Vertical Network Control	2		1		Establish benchmarks
Cross Sections	3		1		Cross section three lines at 100' intervals
Line Cutting	7		1		Cut lines through thick vegetation
Topographic Survey	4		2	1	400' pipe route and well site bordering ski lake
Soundings	3		1		Locate TOB, EDW and soundings into ski lake at 10' and 20' into lake
Drawing		6	2	1	Prepare topographic survey
WELL #2					
Horizontal Network Control	8		10	5	Set traverse points at convenient locations and set up right of way
Vertical Network Control	8		1		Establish Benchmarks
Baseline	3.5		1		
Topographic Survey	13		2	1	(3500' +/-)
Cross Sections	16		3	1	cross sections @ 100' intervals
Soundings	3		1		
Drawing		20	10	3	Prepare topographic survey
Total Hours	73.5	26	38	13	
Rate/Hour	\$98.00	\$66.00	\$70.00	\$113.00	
Sub-total	\$7,203.00	\$1,716.00	\$2,660.00	\$1,469.00	
Total Price	\$13,048.00				



TIERRA SOUTH FLORIDA

Geotechnical Engineering - Material Testing - Inspection Services

April 27, 2009

April 24, 2009

Miller Legg & Associates
2005 Vista Parkway, Suite 100
West Palm Beach, Florida 33411-2719

Attention: Mr. Chris Holmes, P.E.

**Re: Proposal for Geotechnical Services
South County Regional Park
Recharge Wells Pads
Palm Beach County, Florida
TIERRA SOUTH FLORIDA (TSF) Proposal No. 0904-130**

Dear Chris:

TSF, Inc. is pleased to submit this proposal for providing a subsurface exploration at the site of the proposed recharge wells pads within the South County Regional Park in Palm Beach County, Florida. This proposal includes a summary of our understanding of the project, an outline of our proposed scope of work, an estimate of the total job cost, and our anticipated schedule for completion of the work.

PROJECT INFORMATION

Based on the information provided to this office, we understand that two recharge wells will be installed and pads to accommodate the wells installation and facilities will be required. The placement of the new wells will be within the South County Regional Park boundaries, in Palm Beach County, Florida.

PROPOSED SCOPE OF WORK

Based on the available information, we were requested to drill two (2) SPT borings to 20 feet below grade. Some adjustments in the boring depths may be necessary depending upon the subsurface conditions encountered.

Borings will be approximately located in the field by our drilling personnel by measuring distances with a tape from known reference points. Elevations at boring locations can be interpreted from a topographic plan if furnished by others.

2765 VISTA PARKWAY, SUITE 10 · WEST PALM BEACH, FLORIDA 33411
(561) 687-8539 · FAX (561) 687-8570
State of Florida Professional Engineers License #128073

Prior to drilling at the project site, TSF will notify the local utility companies and request that underground utilities be marked. Our experience, however, is that the utility companies will not mark privately owned utilities. Our proposal assumes that private utility lines will be located in the field by others prior to mobilization of the drill rig. TSF will recommend a utility line locating service upon request.

Upon completion of the field exploration, some laboratory testing and visual classifications will be performed on selected samples.

The results of all drilling and laboratory testing will be evaluated by a geotechnical engineer. A report will be issued that contains the exploration data, a discussion of the site and subsurface conditions, recommendations for pavement design for the parking areas and a discussion of some construction considerations.

ESTIMATED COST

It is proposed that the fee for the performance of the services outlined above is determined on a unit fee basis enclosed herewith and incorporated into this proposal. On the basis of the estimated quantities, it is estimated that the total fee will be **\$3,655.00**

Our estimate covers the work needed to present our findings and recommendations in a report form, **including providing access to drill rig equipment by removing vegetated areas**. Not included are reviews of foundation drawings, preparation of construction specifications, special conferences and any other work requested after submittal of our report. This proposal assumes that access to the proposed boring locations can be accomplished with a track mounted drill rig.

Boring, sampling, and testing requirements are a function of the subsurface conditions encountered. Therefore, the estimated cost previously indicated is approximate, and compensation for the exploration will be based on the actual work and tests performed. We will endeavor to keep the exploration cost at a minimum consistent with good engineering practice.

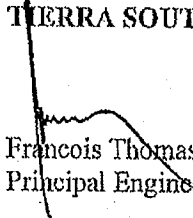
SCHEDULE AND AUTHORIZATION

TSF will proceed with the work after receipt of a signed copy of this proposal. With our present drilling schedule, we can commence work within several days of project approval (weather permitting) and fieldwork will take one day to complete. The written report can be submitted about seven (7) days after completion of the field exploration, depending on the extent of the laboratory-testing program. Verbal preliminary recommendations can be made to appropriate parties prior to submittal of the written report.

We at TSF appreciate the opportunity to submit this proposal and look forward to working with you on this project. If you should have any questions concerning our proposal, please contact our office.

Respectfully submitted,

TIERRA SOUTH FLORIDA, INC.



Francois Thomas, P.E.
Principal Engineer

FT:

Attachments: 1. Fee Breakdown

ATTACHMENT 1 - FEE BREAKDOWN
SCRP-WELLS PADS
PALM BEACH COUNTY, FLORIDA
TST FILE NO. 0904-130

I.	<u>Field Exploration</u>	
A.	Mobilization Track Mounted Drill Rig + Support Vehicle-Lump Sum	\$350.00
B.	Drilling and Sampling-SPT Borings Estimate 40 feet @ \$12.50/ft	\$500.00
C.	Boring Layout/Utility Clearance Estimated 4 hours @ \$60.00/hr	\$240.00
D.	Site Clearing-Access to Drill Rig Lump Sum	<u>\$1,200.00</u>
	Subtotal – Field Exploration:	\$2,290.00
II.	<u>Laboratory Testing</u>	
	Visual Classification – Lump Sum	<u>\$100.00</u>
	Subtotal – Laboratory Testing:	\$100.00
III.	<u>Office Engineering, Evaluation and Reporting</u>	
A.	Principal Engineer, P.E. Estimate 1 hour @ \$145.00/hour	145.00
B.	Senior Geotechnical Engineer, P.E. Estimate 8 hours @ \$125.00/hour	1,000.00
C.	Technical Illustrator Estimate 2 hours @ \$60.00/hour	<u>120.00</u>
	Subtotal – Office Engineering, etc.:	\$1,265.00
	PROJECT TOTAL:	\$3,655.00

C & W engineering

Electrical Consultants

2326 South Congress Avenue, Suite 1-F
West Palm Beach, FL 33406
(561) 642-5333
(561) 966-2293 (fax)

June 18, 2009

Chris Holmes, P.E.
Miller Legg & Associates, Inc.
2005 Vista Pkwy # 100
West Palm Beach, FL 33411
cholmes@millerlegg.com

Subject: South County Regional Ski Lake Pumping System, Revision

Dear Chris:

I am pleased to submit this revised proposal for your consideration to provide Electrical Engineering Design and Construction Services for the Ski Lake Irrigation project. My understanding of the work is as follows:

Two wells will provide make up water to the irrigation lake. The lake provides irrigation water to the associated golf course. A level transmitter and stilling well will be required to sense level in the lake. The level transmitter will control the irrigation well control panels. Two irrigation well control panels will be provided; one close by the lake and one approximately 3,000 feet away. The system will include two PLC.s connected by fiber or radio. Well alteration will be included. An operator interface will be provided so that control modifications may be made.

Our scope of work will include the following:

DESIGN

Coordination

Mock Roos & Associates and Miller Legg & Associates
Owner
Suppliers
FPL

Field Investigations

Engineering

Preparation of Electrical drawings

- Electrical Site Plan
- 2 Equipment Plan Details
- Online, Control Panelviews and Schematics
- Electrical details as may be required

Preparation of Instrumentation Drawings

- Well Process
- Loop Drawings
- Control Panel Drawings
- Schematics
- Assembly details
- Instrumentation details as may be required

Specifications

- Typical Electrical Specs
- Review and Comment on Mock Roos and Miller Legg specifications

Meetings

- Kick Off
- 30% Review
- 60% Review
- 90% Review

Final Estimate

Bid Support

- Prebid Meeting
- Response to Bidder questions

CONSTRUCTION

Telephone Coordination

Shop Drawing Review and Approval

Coordination or Progress Site Inspection Meetings limited to 4

Final walk through

Review of Operating and Maintenance Manuals

FEE SUMMARY

Design: \$15,000.00, lump sum
Construction: \$ 7,000.00, lump sum

I trust the scope and fee meet with your approval. If you have questions or comments, please feel free to call.

Very truly yours,

C&W Engineering


Dale G. Walker, P.E.

MOCK • ROOS
ENGINEERS • SURVEYORS • PLANNERS

April 29, 2009
Revised May 15, 2009

Christopher J. Holmes, P.E.
Miller Legg & Associates, Inc.
2005 Vista Parkway, Suite 100
West Palm Beach, FL 33411-2719

Ref. No.: A9010.00
Subject: South County Regional Park Surficial Aquifer Lake Discharge Wells

Dear Chris:

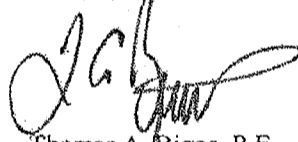
We are submitting the attached *Revised Proposal To Provide Limited Design and Construction Phase Services for the South County Regional Park Surficial Aquifer Lake Discharge Wells*. We have significantly reduced the budget for these services per your request. To accomplish this we have reduced the scope of services to only limited services instead of the more typical full services normally provided on such a project. For the design phase we have deleted the 65% drawing submittal (since this is a fairly small design project) as well as permit coordination. For the construction phase we are only providing limited services support of your company. This includes limiting the field observation time of our staff and our hydrogeologist to only the critical aspects of well construction. Our hydrogeologist cautions that the probability of obtaining high yielding wells may be lower with only limited oversight during construction. Please review the attached revised proposal and return one signed copy to our office as our authorization to proceed with the Scope of Services outlined in the proposal.

We will provide the Scope of Services for a lump sum fee of \$80,000. See attached proposal and spreadsheets for breakdown.

If you have any questions please contact me at 683-3113, extension 216. Thank you for using Mock•Roos on this project. We look forward to working with you.

Sincerely,

MOCK, ROOS & ASSOCIATES, INC.



Thomas A. Biggs, P.E.
Executive Vice President

TAB:cbm
Enclosure

Copies: Derek L. Zimmerman
Bookkeeping

L:\mk\A9010.00\1s02\lcm.doc

Mock, Roos & Associates, Inc.

5720 Corporate Way, West Palm Beach, Florida 33407-2066, (561) 683-3113, fax 478-7248

Proposal To Provide Limited Design and Construction Phase Services for the South County Regional Park Surficial Aquifer Lake Discharge Wells

Services to be provided by: Mock•Roos

Services provided to (Client): Miller Legg

Proposal Date: April 29, 2009
Revised May 15, 2009

Proposal Terms

A. Project Description:

The project involves the drilling and construction of wells and wellhead facilities for two surficial aquifer wells to recharge the South County Regional Park lake system and replenish irrigation water withdrawn from the lakes. Well No. 1 will be close to the south end of East Lake. Well No. 2 is located approximately a mile east from the north end of East Lake. The well pumps will be controlled by a PLC in the well control panel and will run based on lake water level. The control points will be adjustable by an operator interface. (The control panel design will be provided by an electrical subconsultant under separate contract). Mock•Roos will provide services in a support capacity to Miller Legg who will be the lead consultant for the Project. Mock•Roos will provide limited design phase and construction phase services for the well project as outlined under B. Scope of Services below.

B. Scope of Services:

1. *Preliminary Engineering Services*

- a. Meet with the Client to review the general scope of the project, general location of proposal improvements, and to obtain the Client's input regarding expectations for the project.
- b. Review topographic survey provided by others to determine if it is sufficient for design. Survey data to show existing utilities including gas, telephone, electric and cable TV. Forward any questions to surveyor for clarification.
- c. Develop base sheet drawings from the survey information. (Electronic AutoCAD file to be provided to Mock•Roos.)

2. *Design Phase Services*

- a. Provide limited design phase engineering services to develop the details for the construction of two surficial aquifer wells as identified in the project description.
- b. Develop Construction Drawings consisting of a cover sheet, key sheet, site plan(s) and well construction details, wellhead details, and standard detail sheets.

- c. Submit the Preliminary Construction Drawing package to Client for review at the 95% completion interval. Attend one (1) Construction Drawing review meeting with Client at 95% complete interval. Incorporate review comments.
- d. Prepare Technical Specifications for the well construction for incorporation into a Project Manual by others.
- e. Estimate quantities and prepare an Engineer's Opinion of Probable Construction Cost.
- f. Provide Project Coordination of above scope items which will include Mock•Roos' Design Staff meetings, Project Design Team meetings, and general coordination with Project Design Team, including subconsultants and Client's staff.
- g. Retain the professional services of a Hydrogeologic consultant (JLA Geosciences) to provide input regarding design aspects of the proposed well construction including preparing technical specifications for the well construction.
- h. Coordinate with the Electrical Consultant on the details of the electrical design for the project. Provide overview of electrical drawings for conformance with the project requirements.

3. Bid Phase Services – Not Included

4. Construction Phase Services

- a. Provide limited Construction Phase Services and support Miller Legg Construction Administration staff with technical assistance regarding well and related construction.
- b. Attend a preconstruction meeting. Coordination for meeting and meeting minutes to be provided by others.
- c. Review and process shop drawings for general conformance with the well design.
- d. Provide limited part-time Project Field Representative services for the critical aspects of well construction. The Project Field Representative duties will to be shared with the hydrogeologic subconsultant. The hydrogeological subconsultant has specifically limited Field Representative duties as stated in their proposal, copy attached.
- e. Review the Contractor's applications for progress payment on well system only and provide input to Client.
- f. Assist in resolving field and technical questions during the course of construction. Provide interpretations of the drawings, technical specifications, and contract documents and issue clarifications as needed.

- g. Attend periodic construction meetings to discuss the progress of construction, review the Contractor's proposed schedule for the remainder of the Work, and discuss other items as may be appropriate to the construction.
- h. Attend a final inspection once the Project is completed. If punch-list items are found at the final inspection, prepare a list of any such items and advise the Contractor of the items that remain to be completed before the Project can be accepted.
- i. Obtain and use the professional services of a hydrogeologic subconsultant to assist with observation of the well drilling and well development aspects of the Project. Specifically, the hydrogeologic subconsultant services will include hydrogeologic observation services, hydrogeologic direction and well design/construction expertise during the construction and testing of two surficial aquifer production wells. A hydrogeologist will be present on site for limited timeframes during critical phases of the production well construction including pilot hole drilling, casing installation and cement grouting, completion interval drilling, well development, and pump testing. Recommendations will be provided for the selection of screen and gravel, if used, constructed depths of bore holes and casing, and direction for the step drawdown testing, water level measurements and well specific capacity analysis. Digital photos will be taken of significant activities during construction of each well. The proposed budget is based on a 45-day construction schedule for the contractor to substantially complete each well, including development and pump testing.
- j. Prepare a well completion technical memo including data from both wells. The report will include lithologic logs and complete geologic interpretations, a review well construction field logs and compiled summaries, an analysis of all hydrologic and water quality field data including geophysical log analysis, and will summarize pumping test methods and results.
- k. Review record drawings submitted by the Contractor to determine that they meet the minimum requirements of the Contract Documents.

C. Additional Services:

- 1. Any services not included in the Scope of Services will be considered Additional Services.
- 2. Any design changes, schedule changes, drawing changes, or other project changes requested by Client will be considered Additional Services.
- 3. Additional Services can be provided upon Mock•Roos receiving signed authorization from Client.
- 4. Additional Services resulting from the following can be provided without Client's authorization: 1) legal and/or regulatory requirements or changes, 2) delays or price increase not in Mock•Roos control, 3) emergencies or acts of God, 4) threatened or endangered species, 5) hazardous conditions, 6) or any services required to protect the health, safety, and/or welfare of the public.

D. Fees and Rates:

1. Mock•Roos will complete the Scope of Services for the lump sum fee as follows:

Design Phase Services	\$32,200
Construction Phase Services	<u>\$46,800</u>
Total Lump Sum Fee	\$80,000

2. Mock•Roos can provide Additional Services at the Mock•Roos rates in effect at that time, plus any reimbursable expenses, or for an agreed upon lump sum fee.

E. Conditions:

1. All terms become valid upon Mock•Roos receiving one complete copy of this proposal within 60 days of its date.
2. This Proposal is based on the Scope of Services being completed on or before January 31, 2010. If not completed by this date for reasons other than those within control of Mock•Roos, all terms may be adjusted by Mock•Roos.
3. In case of discrepancies, the terms of this proposal supersede those of previous agreements.

F. Acceptance and Authorization to Proceed:

1. This proposal is acceptable and Mock•Roos has authorization to proceed with the Scope of Services. This authorization becomes valid upon Mock•Roos receiving one **complete** copy of this form with an original signature below.

CLIENT

MOCK•ROOS

Signed: _____

Signed:  _____

Name: _____

Name: Thomas A. Biggs, P.E.

Title: _____

Title: Executive Vice President

Date: _____

Date: April 29, 2009
Revised May 15, 2009

**Please return one complete copy of this form
with an original signature to Mock•Roos. Thank you.**

ATTACHMENT A
South County Regional Park Surficial Aquifer Lake Discharge Wells
BUDGET SUMMARY - LIMITED DESIGN PHASE SERVICES

Task No.	Task Description	Labor Classification						Sub-Consultant Services
		Corporate Officer	Corporate Officer (for Survey)	Senior Project Manager	Project Engineer	Designer/CADD Tech	Admin. Assist.	
1	Initial Project Coord., Client Meeting & Follow-up	1		2	2		1	
2	Coord. With Surveyor		2	2	4			
3	Final Design (Wellhead, Well Pump, & Discharge)	1		8	24			
4	Develop Drawings Including QA/QC	1		4	8	60		
5	Coord. Geotechnical Subconsultant			1	2			
6	Coord. Electrical Subconsultant	1		4	8			
7	Coord. Hydrogeologic Subconsultant	1		4	8		1	\$ 6,525
8	Prepare 95% Submittal Package			2	4	4	1	
9	Project Technical Specifications	1		2	8		2	
10	Project Review Meeting (1)	1		2				
11	Engineer's Opinion of Probable Construction Costs			1	4		1	
12	Coord. w/Miller Legg	2		12	12		2	
13	Negotiate Agreement from Annual Contract	1		4	2		1	
	Labor Subtotal Hours	10	2	48	86	64	9	
	Labor Hourly Billing Rate	\$ 175	\$ 150	\$ 145	\$ 115	\$ 90	\$ 60	
	Labor Individual Totals	\$ 1,750	\$ 300	\$ 6,960	\$ 9,890	\$ 5,760	\$ 540	\$6,525
	Labor Total	\$ 25,200						
	Hydrogeologic Subconsultant							\$6,525
	Subconsultant Labor Total	\$ 6,525						
	Allowed 10% Markup	\$ 653						
	Total Subconsultants	\$ 7,178						
	Reimbursable Expenses (Field Supplies & Reproducibles)	\$ 822						
	Project Total	\$ 33,200						

ATTACHMENT A
South County Regional Park Surficial Aquifer Lake Discharge Wells
BUDGET SUMMARY - LIMITED CONSTRUCTION PHASE SERVICES

Task No.	Task Description	Labor Classification					Sub-Consultant Services
		Corporate Officer	Senior Project Manager	Project Engineer	Field Rep	Admin. Assist.	
1	Preconstruction Meeting		2				
2	Review & Process Shop Drawings	1	4	12			
3	Field Observation & Supervision (Field Rep. = 20 Trips @ 3 hrs. each)		4	8	60	4	\$ 21,893
4	Review Contractor's Payment Applications		2	4			
5	Assist with Field & Technical Questions	1	2	8		1	
6	Coord & Attend Periodic Construction Meetings		4	8			
7	Attend Final Field Review & Compile Punch List		2	4		1	
8	Resolve Punch List Items		1	4			
9	Review Record Drawing Information		1	4			
10	Coord. Well Completion Technical Memo		2	2		1	\$ 4,020
11	Coord. with Hydrogeologic Subconsultant	1	2	4		1	
12	Coord. with Miller Legg	2	4	4		1	
Labor Subtotal Hours		5	30	62	60	9	
Labor Hourly Billing Rate		\$ 175	\$ 145	\$ 115	\$ 80	\$ 60	
Labor Individual Totals		\$ 875	\$ 4,350	\$ 7,130	\$ 4,800	\$ 540	\$25,913
Labor Total		\$ 17,695					
Hydrogeologic Subconsultant - Construction Phase Services		\$ 21,893					
Hydrogeologic Subconsultant - Well Completion Report		\$ 4,020					
Subconsultant Labor Total		\$ 25,913					
Allowed 10% Markup		\$ 2,591					
Total Subconsultants		\$ 28,504					
Reimbursable Expenses (Field Supplies & Reproduces)		\$ 601					
Project Total		\$ 46,800					

JLA Geosciences, Inc.

HYDROGEOLOGIC CONSULTANTS

1931 Commerce Lane, Suite 3
Jupiter, Florida 33458
(561) 746-0228
fax (561) 746-0119

May 14, 2009

Via Electronic Mail

Mr. John Leemon, P.E.
Mock Roos & Associates, Inc.
5270 Corporate Way
West Palm Beach, FL 33407

RE: Revised Proposal for Surficial Aquifer Irrigation Wells, South County Regional Park, Boca Raton, FL - Hydrogeologic Consulting Services

Dear John:

Attached is a revised proposal for services for hydrogeologic services associated with the design and construction of two surficial aquifer irrigation wells for Palm Beach County Capital Improvement Division (PBCCID) at the South County Regional Park in Boca Raton.

Revisions to the proposal represent a significant reduction in services by JLA in order to reduce the overall cost to PBCCID. Well construction phase services costs are based on a set number of days per task and do not include time for any contingencies that may arise during construction of the wells.

- 1.0 **Production Well Design and Specifications-** JLA will assist in the well design of two (2) surficial aquifer irrigation wells, including well design and preparation of technical specifications to obtain bids from State of Florida certified water well contractors. Technical specifications will be submitted at the 95% design phase.

Professional and support services (Lump Sum) \$ 4,761.00

- 2.0 **Construction Phase Services -** Provide hydrogeologic observation services, hydrogeologic direction and well design/construction expertise during construction and testing two surficial aquifer production wells. A JLA hydrogeologist will be present on site only during select phases of each production well construction including: pilot hole drilling (1 day), casing installation and cement grouting (1.5 days), completion interval drilling (1.5) days, screen and

jlageosciences.com

Proposal to John Leemon

May 14, 2009

Page 2 of 3

gravel installation (1 day), well development (2 days), and pump testing (1 day). JLA will provide recommendations for the selection of screen and gravel, if used, constructed depths of bore holes and casing, and will direct step drawdown testing, perform water level measurements and well specific capacity analysis. Digital photos will be taken of significant activities during construction of each well. The proposed budget is based on a 45-day construction schedule for the contractor to substantially complete each well, including development and pump testing. The estimate of labor hours is based on the attached summary.

Professional and support services \$ 20,097.00

- 3.0 **Technical Memo-Well Construction Summary** - JLA will prepare lithologic logs and complete geologic interpretations, review well construction field logs and compile summaries, complete analysis of all hydrologic and water quality field data including geophysical log analysis, and summarize pumping test methods and results. JLA will prepare a brief technical memorandum including figures, data tables, geologic and geophysical logs, pump test data and water quality data.

Professional and support services \$4,020.00

- 4.0 **Project Management and Meetings**-JLA will provide general project management, assist in contract discussions with the general contractor, project engineer and owner's representative, and attend meetings as specified in the attached summary, including 95% design, pre-bid and pre-construction.

Professional and support services \$ 3,560.00

TOTAL COST ESTIMATE \$32, 438.00

Proposal to John Leemon
May 14, 2009
Page 3 of 3

Thanks again for the opportunity, if you have any questions please don't hesitate to call me.

Sincerely,
JLA Geosciences, Inc.



James L. Andersen, P.G
Principal Hydrogeologist

JLA:ja

Encls.: Hydrogeologic Services Estimate

Hydrogeologic Services Estimate

JLA Geosciences, Inc.

PROJECT: PBC South Regional Golf Course Irrigation Wells

SHEET 1 OF 1

CLIENT: Mock Roos/PBCCID

FILE NO.

ESTIMATORS: Jim Andersen, P.G., JLA Geosciences

DATE: 5/14/2009

DESCRIPTION: PBCWUD- Construction of two surficial aquifer production wells, including design, bidding assistance, construction observation and reporting, and project management.		MAN HOURS/EXPENSES								LINE TOTAL	TASK TOTAL
		Prin. Hydro	Sr. Hydro	Hydro	Tech. Admin.	Clerk	CAD	ODC/ Subcontr.	Dir Exp (5%)		
NO.	TASK										
1.0	Design									\$4,761	
1.1	Drawings	2		8			3		\$47	\$1,107	
1.2	Technical Specifications	4	24						\$174	\$3,654	
1.3	Front end Specifications (by MR)										
2.0	Construction Phase Services- two wells									\$20,097	
2.1	Pilot Hole Drilling and Geophysical Logging	4		24					\$126	\$2,646	
2.2	Casing install & grouting	4		36					\$174	\$3,654	
2.3	Screen and Gravel Selection	6		6					\$69	\$1,449	
2.4	Completion Interval Drilling			36					\$144	\$3,024	
2.5	Screen and Gravel Install			24					\$96	\$2,016	
2.6	Development	4		48					\$222	\$4,662	
2.7	Pumping Test	4		24					\$126	\$2,646	
3.0	Technical Memo- Well Construction Summary									\$4,020	
3.1	Prepare Well Summary	2	16			2				\$2,300	
3.2	Lithologic Log Prep, Data	1		4						\$470	
3.3	Data analysis	2	4							\$780	
3.4	Figures	1		2			4			\$470	
4.0	Project Management & Meetings									\$3,560	
4.1	Task Order Administration (by MR)										
4.2	Project Management	8	4						\$84	\$1,764	
4.3	Construction) -3 total	9	3						\$86	\$1,796	
	TOTAL HOURS		51	212		2	7		1348		
	LABOR (\$/HOUR)	150	120	80	60	40	40				
	TOTALS		6120	16960		80	280		1348	\$32,438	

SCHEDULE 1

LIST OF PROPOSED SBE-M/WBE SUBCONSULTANTS

PROJECT NAME: South County Regional Park-Recharge Well & Piping PROJECT NO. PBC 05215

NAME OF PRIME CONSULTANT: Miller, Legg & Associates, Inc. Contact Person: Dennis J. Thomas Phone: 561-689-1138

DESCRIPTION OF WORK: Design, Permitting, and Construction Administration

PLEASE IDENTIFY ALL APPLICABLE CATEGORIES OF SUBCONSULTANTS

Name, Address and Phone Number	(Check one or both Categories)		Black	Hispanic	Women	Subcontract Amount		
	Minority Business	Small Business				Caucasian	Other (Please Specify)	
1. Brown & Phillips, Inc. (Surveying) 901 Northpoint Parkway - Suite 305 West Palm Beach, FL 33407 (561) 615-3988	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$ _____	\$ _____	\$ <u>13,048.00</u>	\$ _____	\$ _____	
2. Tierra South Florida (Soils / Geotechnical Engineering) 2765 Vista Parkway - Suite 10 West Palm Beach, FL 33411 (561) 687-8536	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$ _____	\$ <u>3,655.00</u>	\$ _____	\$ _____	\$ _____	
3. C&W Engineering. (Electrical Engineering) 2326 South Congress Avenue, Suite 1-F West Palm Beach, FL 33406 (561) 642-5333	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$ _____	\$ _____	\$ _____	\$ <u>15,000.00</u>	\$ _____	
			\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	
			\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	
			\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	
(Please use additional sheets if necessary)			Total	\$ _____	\$ <u>3,655.00</u>	\$ <u>13,048.00</u>	\$ <u>22,000</u>	\$ _____

Total Price \$ 179,494.00

Total SBE Participation \$ 38,703.00

Total SBE % 21.56

- Note:
- The amounts listed on this form must be supported by the Subconsultant prices included on Schedule 2 in order to be counted toward goal attainment.
 - Firms may be certified by Palm Beach County as an SBE and/or M/WBE. If firms are certified as both an SBE and M/WBE, please indicate the dollar amount under the appropriate category.
 - M/WBE information is being collected for tracking purposes only.

SCHEDULE 2

LETTER OF INTENT TO PERFORM AS AN SBE-M/WBE CONSULTANT/SUBCONSULTANT

PROJECT NO. 09-211

PROJECT NAME: SCRP Recharge Wells

TO: Miller Legg & Associates, Inc.
(Name of Prime Consultant)

The undersigned is certified by Palm Beach County as a(n) - (check one or more, as applicable):

Small Business Enterprise (SBE) Minority Business Enterprise (M/WBE)

Black Hispanic Women Caucasian Other (Please Specify) (Asian)

Date of Palm Beach County Certification: February 4, 2009 - February 3, 2012

The undersigned is prepared to perform the following described work in connection with the above project and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

(Specify in detail particular work items or parts thereof to be performed)

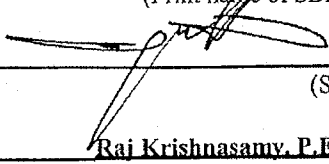
Geotechnical Engineering Services

SBE-M/WBE Participation _____ %

If undersigned intends to sub-subcontract any portion of this subcontract to a non-certified SBE subcontractor, the name of any such subcontractor must be stated _____

The undersigned subconsultant understands that the provision of this form to prime bidder does not prevent subconsultant from providing quotations to others.

Tierra South Florida, Inc.
(Print name of SBE-M/WBE Subcontractor)

By: 
(Signature)

Raj Krishnasamy, P.E./President
(Print name/title of person executing on behalf of SBE-M/WBE Subconsultant)

Date: July 20, 2009

SCHEDULE # 2

LETTER OF INTENT TO PERFORM AS AN SBE OR M/WBE SUBCONSULTANT

PROJECT NO. _____ PROJECT NAME: South County Park
TO: Miller Legg & Associates
(Name of Prime Consultant)

The undersigned is certified by Palm Beach County as a(n) - (check one or more, as applicable):

Small Business Enterprise Minority Business Enterprise
Black Hispanic _____ Women _____ Caucasian _____ Other (Please Specify) _____

Date of Palm Beach County Certification: Jan 4, 2007

The undersigned is prepared to perform the following described work in connection with the above project (Specify in detail particular work items or parts thereof to be performed):

Land Surveying

at the following price \$ 13,048.00
(Subconsultant's fee)

and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If undersigned intends to sub-subcontract any portion of this subcontract to a non-certified SBE subconsultant, the amount of any such subcontract must be stated: \$ 0

The undersigned subconsultant understands that the provision of this form to prime consultant does not prevent subconsultant from providing services to other consultants.

Brown & Phillips, Inc.
(Print name of SBE-M/WBE Subconsultant)

By: [Signature]
(Signature)

John E. Phillips, Principal
(Print name/title of person executing on behalf of SBE-M/WBE Subconsultant)

Date: July 20, 2009

SCHEDULE # 2

LETTER OF INTENT TO PERFORM AS AN SBE OR M/WBE SUBCONSULTANT

PROJECT NO. 09211 PROJECT NAME: SCRP RECHARGE WELL

TO: MILLER LEGG
(Name of Prime Consultant)

The undersigned is certified by Palm Beach County as a(n) - (check one or more, as applicable):

Small Business Enterprise Minority Business Enterprise _____

Black _____ Hispanic _____ Women _____ Caucasian _____ Other (Please Specify) _____

Date of Palm Beach County Certification: _____

The undersigned is prepared to perform the following described work in connection with the above project (Specify in detail particular work items or parts thereof to be performed):

Instrumentation, control and Electrical Engineering

at the following price \$ 22,000.00
(Subconsultant's fee)

and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If undersigned intends to sub-subcontract any portion of this subcontract to a non-certified SBE subconsultant, the amount of any such subcontract must be stated: \$ None

The undersigned subconsultant understands that the provision of this form to prime consultant does not prevent subconsultant from providing services to other consultants.

Walker Enterprises, Inc. dba
C&W Engineering

(Print name of SBE-M/WBE Subconsultant)

By: [Signature]
(Signature)

Dale G. Walker, P.E. President

(Print name/title of person executing on behalf of SBE-M/WBE Subconsultant)

Date: July 20, 2009

**FACILITIES DEVELOPMENT & OPERATIONS
BUDGET AVAILABILITY STATEMENT**

REQUEST DATE: 07/06/09

REQUESTED BY: Dave Dolan

PHONE: 233-0280

FAX: 233-0270

PROJECT TITLE: South County Regional Park Parcel A

PROJECT NO.: 05215

ORIGINAL CONTRACT AMOUNT: NA - Annual

BCC RESOLUTION#: _____
DATE: _____

REQUESTED AMOUNT: \$239,494

CSA or CHANGE ORDER NUMBER: Supplement #5 to CSA #3

CONSULTANT/CONTRACTOR: Miller Legg & Associates, Inc.

PROVIDE A BRIEF STATEMENT OF THE SCOPE OF SERVICES TO BE PROVIDED BY THE CONSULTANT/CONTRACTOR:

CSA for additional services for recharge well and distribution piping

CONSTRUCTION

PROFESSIONAL SERVICES

STAFF COSTS** (DESIGN / CONST. PHASE)

MISC. (permits, prints, advertising, etc)

TOTAL

\$179,494
\$ 60,000
<hr/>
\$239,494
179,494

*** By signing this BAS your department agrees to these staff costs and your account will be charged upon receipt of this BAS by FD&O. Unless there is a change in the scope of work, no additional staff charges will be billed.*

BUDGET ACCOUNT NUMBER (IF KNOWN)

FUND: 3603

DEPT: 581

UNIT: P645

OBJ: 6505

FUNDING SOURCE (CHECK ALL THAT APPLY):

AD VALOREM OTHER

FEDERAL/DAVIS BACON

WFW
BAS APPROVED BY: *R. Miller*

DATE: _____

ENCUMBRANCE NUMBER: _____

FUNDING SOURCE(S)	
<input type="checkbox"/>	Bond
<input checked="" type="checkbox"/>	Impact Fees
<input type="checkbox"/>	Park Improvement Fund
<input type="checkbox"/>	Ad Valorem
<input type="checkbox"/>	Other

BAS APPROVAL	
<input type="checkbox"/>	FULLY FUNDED WITHIN CURRENT BUDGET _____
<input checked="" type="checkbox"/>	FULLY FUNDED PENDING BUDGET TRANSFER <i>*</i> <u><i>WFW</i></u>
* BGEX 581 072309 * 2108	

09-

1306

BOARD OF COUNTY COMMISSIONERS
PALM BEACH COUNTY, FLORIDA
BUDGET TRANSFER

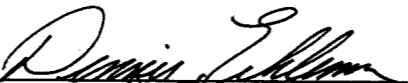
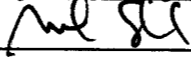
Page 1 of 1

BGEX 581 072909*2148

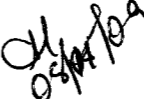
FUND 3600 - PARK IMPROVEMENT

ACCT NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	CURRENT BUDGET	INCREASE	DECREASE	ADJUSTED BUDGET	EXPENDED/ ENCUMBERED 7/29/2009	REMAINING BALANCE
Hurricane Wilma								
3600-581-D06A-4900	Hurricane/Disaster Expenses	287,307	277,002		265,029	11,973	10,987	986
South County Regional Phase II								
3600-581-P462-6520	Park Improvements	0	0	265,029		265,029	0	265,029
TOTAL				<u>265,029</u>	<u>265,029</u>			

Parks and Recreation Department
INITIATING DEPARTMENT/DIVISION
Administration/Budget Department Approval
OFMB Department - Posted

Signatures	Date
	7-30-09
	8/12/09

By Board of County Commissioners
At Meeting of
August 18, 2009
Deputy Clerk to the Court



09- 1305

BOARD OF COUNTY COMMISSIONERS
PALM BEACH COUNTY, FLORIDA
BUDGET TRANSFER

BGEX 581 072909*2147

FUND 3043 - 6.1M Sunshine#8 06, Park & Marina Improv

ACCT NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	CURRENT BUDGET	INCREASE	DECREASE	ADJUSTED BUDGET	EXPENDED/ ENCUMBERED 7/29/2009	REMAINING BALANCE
<u>Phil Foster Park Marina</u>								
3043-581-P625-6505	Design/Eng/Mgmt- Cip Admin	996,164	1,013,197		1,010,983	2,214	2,214	0
<u>South County Regional Phase II</u>								
3043-581-P462-6520	Park Improvements	0	0	1,010,983		1,010,983	0	1,010,983
TOTAL				1,010,983	1,010,983			

Parks and Recreation Department
INITIATING DEPARTMENT/DIVISION
Administration/Budget Department Approval
OFMB Department - Posted

Signatures	Date
	7-30-09
	8/12/09
	OR 8/10/09 OR 08/11/09

By Board of County Commissioners
At Meeting of
August 18, 2009
Deputy Clerk to the Court

09-

1307

BOARD OF COUNTY COMMISSIONERS
PALM BEACH COUNTY, FLORIDA
BUDGET TRANSFER

FUND 3603 - Park Impact Fees Z-3

ACCT NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	CURRENT BUDGET	INCREASE	DECREASE	ADJUSTED BUDGET	EXPENDED/ ENCUMBERED 7/29/2009	REMAINING BALANCE
Aguacrest Pool-Facilty Enhance								
3603-581-P124-6505	Design/Eng/Mgmt- Cip Admin	80,213	80,213		80,213	0		0
3603-581-P124-6520	Park Improvements	484,236	484,236		484,236			
South County Regional Phase II								
3603-581-P462-6520	Park Improvements	746,417	527,361	564,449		1,091,810	289,731	802,079
	TOTAL			<u>564,449</u>	<u>564,449</u>			


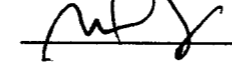
Signatures

Date

Parks and Recreation Department
INITIATING DEPARTMENT/DIVISION

Administration/Budget Department Approval

OFMB Department - Posted

 7-30-09
 8/12/09

By Board of County Commissioners
At Meeting of
August 18, 2009
Deputy Clerk to the Court

