33. Approve Work Order #17 under PS-5150-03/AJP – General Environmental Services with ESciences, Inc., Orlando ($90,000.00).

PS-5150-03/BJC provides services that include Water Quality Monitoring and Analyses, Permitting, Permit Compliance, Mitigation Services, Gopher Tortoise Permitting, Environmental Monitoring, Contamination, Resource Management, and other miscellaneous general environmental services.

Work Order #17 will provide for restoration and ecological monitoring of the Econ River Wilderness Area property. The project will take approximately one (1) year to complete. This project was proposed to all four consultants under this Master Agreement and each Consultant submitted proposals, which were evaluated in accordance with Work Order Procedures for Professional and Consultant
Services.

The evaluation team consisting of Jim Duby, Principal Coordinator; Mahmoud Najda, Development Review Manager; Craig Shadrix, Program Manager Community Resources; and Greg Walker, Senior Biologist evaluated the submittals based on similar work experience, technical approach, and overall cost/value. The Evaluation Team recommends award of the Work Order #17 to ESciences, Inc., in the amount of $90,000.00.

This is a budgeted project and funds will be available in account numbers 113010.530450, 113010.530310, and 113010.560630, in conjunction with BAR #05-011. Planning and Development/Natural Lands Division and Fiscal Services/Purchasing and Contracts Division recommend that the Board approve this Work Order and authorize the County Manager to execute Work Order #17 as prepared by the Purchasing and Contracts Division.

Board of County Commissioners
SEMINOLE COUNTY, FLORIDA

WORK ORDER

Work Order Number: 17

Master Agreement No.: PS-5150-03/AJP Dated: March 9, 2004
Contract Title: General Environmental Services
Project Title: Econ River Restoration Project

Consultant: E Sciences, Inc.
Address: 228 South Hughey Avenue
Orlando, Florida 32801

ATTACHMENTS TO THIS WORK ORDER:
[ ] drawings/plans/specifications
[X] scope of services
[ ] special conditions
[ ] _____

METHOD OF COMPENSATION:
[ ] fixed fee basis
[X] time basis-not-to-exceed
[ ] time basis-limitation of funds

TIME FOR COMPLETION: The services to be provided by the CONTRACTOR shall commence upon execution of this Agreement by the parties and shall be completed within one (1) year of the effective date of this agreement. Failure to meet the completion date may be grounds for Termination for Default.

Work Order Amount: Ninety Thousand Dollars and 00/100 ($90,000.00)

The County Manager is hereby authorized to execute this Work Order on behalf of the County.

IN WITNESS WHEREOF, the parties hereto have made and executed this Work Order on this _____ day of _____, 2004, for the purposes stated herein.

(THIS SECTION TO BE COMPLETED BY THE COUNTY)

E SCIENCES, INC.

ATTEST:

_____, Secretary

By: _____
PETER K. PARTLOW, P.E., President

(CORPORATE SEAL)

Date: _____

BOARD OF COUNTY COMMISSIONERS
SEMINOLE COUNTY, FLORIDA

WITNESSES:

_____
(Contracts Analyst, print name)

By: _____
J. Kevin Grace, County Manager

Date: _____

_____
(Contracts Analyst, print name)

As authorized by the Board of County commissioners at their _____, 2004 regular meeting.

WORK ORDER
TERMS AND CONDITIONS

a) Execution of this Work Order by the COUNTY shall serve as authorization for the CONSULTANT to provide, for the stated project, professional services as set out in the Scope of Services attached as Exhibit "A" to the Master Agreement cited on the face of this Work Order and as further delineated in the attachments listed on this Work Order.

b) Term: This work order shall take effect on the date of its execution by the County and expires upon final delivery, inspection, acceptance and payment unless terminated earlier in accordance with the Termination provisions herein.

c) The CONSULTANT shall provide said services pursuant to this Work Order, its Attachments, and the cited Master Agreement (as amended, if applicable) which is incorporated herein by reference as if it had been set out in its entirety.

d) Whenever the Work Order conflicts with the cited Master Agreement, the Master Agreement shall prevail.

e) METHOD OF COMPENSATION - If the compensation is based on a:

(i) FIXED FEE BASIS, then the Work Order Amount becomes the Fixed Fee Amount and the CONSULTANT shall perform all work required by this Work Order for the Fixed Fee Amount. The Fixed Fee is an all-inclusive Firm Fixed Price binding the CONSULTANT to complete the work for the Fixed Fee Amount regardless of the costs of performance. In no event shall the CONSULTANT be paid more than the Fixed Fee Amount.

(ii) TIME BASIS WITH A NOT-TO-EXCEED AMOUNT, then the Work Order Amount becomes the Not-to-Exceed Amount and the CONSULTANT shall perform all the work required by this Work Order for a sum not exceeding the Not-to-Exceed Amount. In no event is the CONSULTANT authorized to incur expenses exceeding the not-to-exceed amount without the express written consent of the COUNTY. Such consent will normally be in the form of an amendment to this Work Order. The CONSULTANT's compensation shall be based on the actual work required by this Work Order and the Labor Hour Rates established in the Master Agreement.

(iii) TIME BASIS WITH A LIMITATION OF FUNDS AMOUNT, then the Work Order Amount becomes the Limitation of Funds amount and the CONSULTANT is not authorized to exceed the Limitation of Funds amount without prior written approval of the COUNTY. Such approval, if given by the COUNTY, shall indicate a new Limitation of Funds amount. The CONSULTANT shall advise the COUNTY whenever the CONSULTANT has incurred expenses on this Work Order that equals or exceeds eighty percent (80%) of the Limitation of Funds amount. The CONSULTANT's compensation shall be based on the actual work required by this Work Order and the Labor Hour Rates established in the Master Agreement.

f) Payment to the CONSULTANT shall be made by the COUNTY in strict accordance with the payment terms of the referenced Master Agreement.

g) It is expressly understood by the CONSULTANT that this Work Order, until executed by the COUNTY, does not authorize the performance of any services by the CONSULTANT and that the COUNTY, prior to its execution of the Work Order, reserves the right to authorize a party other than the CONSULTANT to perform the services called for under this Work Order; if it is determined that to do so is in the best interest of the COUNTY.

h) The CONSULTANT shall sign the Work Order first and the COUNTY second. This Work Order becomes effective and binding upon execution by the COUNTY and not until then. A copy of this Work Order will be forwarded to the CONSULTANT upon execution by the COUNTY.

Scope of Services

Econ River Wilderness Area
Hydrologic Restoration and Monitoring

Part 1. Water Control Outfall Structure Construction/Installation

INTRODUCTION

This portion of the project includes the construction/installation of an appropriate water control outfall structure on the south border of the Econ River Wilderness Area (ERWA). To the north of the proposed weir is a bay swamp system and to the south is McCulloch Road. The Orange-Seminole County line coincides with the location of the proposed structure (Exhibits 2 and 3).

OBJECTIVES

To restore the hydrologic regime of the ERWA to the pre-flooding condition.

SCOPE OF WORK

The Contractor will be responsible for the construction/installation of a water control outfall structure as well as the removal of any existing structures at the outfall location. An adjustable control elevation structure will be required. Signed and sealed drawings will be provided to the contractor at the project kickoff meeting.

At a minimum, the Contractor will be responsible for:

1. Attend a project kick-off meeting with County staff.
2. The construction/installation of a structure consistent with "Attachment A" and the signed and sealed drawings to be provide to the contractor.
3. A secure method to raise the control elevation up to one (1) foot above the design elevation.
4. Best Management Practices to avoid erosion from leaving the project site.
5. A method to prevent or minimize the clogging of the outfall structure.
6. The design approval of the appropriate County staff.
7. As-Built survey.
8. Thorough clean-up of site.

TIME FRAME AND DELIVERABLES

A project kickoff meeting with the appropriate County staff and the contractor will be held within 14 days after the Notice to Proceed. The project shall be completed within four (4) months of the kickoff meeting.

Scope of Services cont.

Econ River Wilderness Area
Hydrologic Restoration and Monitoring

Part 2. Five Year Ecological Monitoring

INTRODUCTION

This portion of the project includes the design and implementation of an ecological monitoring plan on and adjacent to the 60 acres (+/-) of affected land within the Econ River Wilderness Area (ERWA).

OBJECTIVES

This study will determine if the restored hydrologic regime is appropriate. This will be accomplished by monitoring:

1. The surface and groundwater elevations.
2. The natural re-growth of vegetation.
3. The wildlife utilization of the wetland and the adjacent uplands.

SCOPE OF WORK

The contractor/consultant will be responsible for the design and implementation of a broad, five (5) year ecological study on the ERWA. Any and all necessary local, state and federal permits are the responsibility of the Contractor/Consultant.

At a minimum, the study will include the following tasks:

1. Attend a project kick-off meeting with County staff.
2. Conduct a literature search and interviews to estimate historic site conditions.
3. Survey to determine elevation of existing piezometers.
4. Topographic survey (1 foot contours) of the affected area and extending at least 100 feet outside the affected area.
5. Monthly monitoring of the fifteen (15) existing piezometers.
6. Establish permanent sampling locations for vegetation and herptefauna.
7. All sampling locations will be randomly determined, marked with re-bar, and GPS'd.
8. Quarterly monitoring of the vegetation (canopy, shrub, and herbaceous layers).
9. GPS locations of nuisance exotic plant species (FLEPPC Category I and II) found.
10. Quarterly monitoring of tree mortality in and adjacent to the affected area.
11. Survey, determine the status, and GPS the location of all gopher tortoise burrows.
12. Monthly monitoring of gopher tortoise burrows (assign new, active, inactive or abandoned).

13. Uniquely identify all gopher tortoises encountered using a marking system approved by the County staff.
14. Quarterly herptefaunal surveys.
15. Submit annual reports summarizing findings and providing all raw data in an approved format.
16. Submit a final report summarizing all results and an analysis on the overall success of the hydrologic modifications.

TASK IDENTIFICATION

A detailed task list will be developed by the Contractor/Consultant and approved by County staff in writing.

TIME FRAME AND DELIVERABLES

At a minimum, annual reports will include:

1. A digital copy of each report must be submitted on CD as well as five (5) color paper copies of the annual reports and ten (10) color paper copies for the final report.
2. Shape files for all ArcView/ArcGIS data collected.
3. The following sections: Introduction, Materials and Methods, Results, Conclusions and References Cited.
4. Color graphics including aerial depiction of geographic (GPS) information.
5. Vegetation analysis will be reported in a manner that will statistically illuminate changes in vegetative cover due to the changes in hydrology.

Unless otherwise agreed to in writing by the County:

1. The project kickoff meeting will be held within 15 days of Notice to Proceed.
2. Monthly piezometer monitoring will begin within 15 days of the project kickoff meeting.
3. Quarterly biotic monitoring will begin within 30 days of the project kickoff meeting.
4. Annual reports will be due within 30 days following the completed year of study.
5. The final report will be due within 60 days following the five (5) years of study.
6. Raw data, in a digital format determined in the project kickoff meeting, will be provided to County staff upon request.

Scope of Services cont.

Econ River Wilderness Area
Hydrologic Restoration and Monitoring

Part 3. Timber Cutting and Removal/Disposal

INTRODUCTION

This portion of the project includes the cutting and removal and/or disposal of specified trees from portions of the affected area of the Econ River Wilderness Area (ERWA).

OBJECTIVES

To reduce the amount of standing dead timber and heavy fuels from portions of the area of impact (14 +/- acres). The dead heavy fuels pose a safety risk for at least two reasons. First, there is the potential of trees falling on staff or visitors. Secondly, the large volume of heavy dead fuels will create a long term smoke hazard after a prescribed fire or wildfire.

SCOPE OF WORK

1. The County staff will clearly mark which trees or areas will be timbered.
2. The Contractor will be responsible for cutting and removing all of the dead timber as marked by the County staff.
3. The location of all loading/chipping/burning areas must be approved by the County staff.
4. All proposed access and exit routes must be approved by the County staff.
5. All feasible measures will be taken by the Contractor to avoid soil disturbance, particularly in organic soils.
6. All woody materials, including non-merchantable materials, must be removed from the site or burned on-site.
7. Leaving brush piles on-site will not be acceptable.

TIME FRAME AND DELIVERABLES

A project kickoff meeting with the appropriate County staff and the Contractor will be held within 14 days after the Notice to Proceed. The contract must begin work within 30 days of the project kickoff meeting. Once timbering has begun, the contractor must be completed within 60 days.

July 9, 2004

Mr. Gregg Walker
Seminole County Service Building
Seminole County
1101 East First Street
Sanford, Florida 32771

Subject: **Proposal for Econ Wilderness Area Restoration and Monitoring**
E Sciences Proposal 1-343-02-P

Dear Mr. Walker:

E Sciences, Incorporated (E Sciences) is pleased to submit this proposal for the Econ River Wilderness Area restoration and monitoring. This proposal includes three scope of service parts called for in Seminole County's request for proposal. These three scope parts are:

1. Water control outfall structure construction/installation.
2. Five year ecological monitoring.
3. Timber cutting and removal/disposal.

Background

In 2002, a flooding event occurred as a result of the improvements to McCulloch Road. The road interrupted the historic flow of water leaving the Econ River Wilderness Area (ERWA) whereby "stacking" the water up several feet on the property. As a result of the flooding, a variety of ecological impacts occurred over approximately 60 acres of the property including vegetation mortality and wildlife habitat quality reduction. In order to restore the habitat to the quality similar to the pre-flooding condition, the three above mentioned scope items must be accomplished.

Scope of Services Part 1

E Sciences will construct a water control outfall structure through the utilization a subcontractor. The following scope items will be accomplished by E Sciences staff or our subcontractors:

1. Attend a project kick-off meeting with County Staff.
2. The construction/installation of a water control outfall structure.
3. A secure method to raise the control elevation up to one (1) foot above the design elevation.
4. Best Management Practices to avoid erosion from leaving the project site.
5. A method to prevent or minimize the clogging of the outfall structure.
6. The design approval of the appropriate County Staff.
7. As-Built survey.
8. Thorough clean-up of site.

E Sciences, INCORPORATED
228 South Hughey Ave. • Orlando, FL 32801
ph 407-481-9006 fax 407-481-9627
www.esciencesinc.com

Innovative design options

E Sciences has included two cost proposals options for the water control outfall structure design. Option 1 includes the construction and installation of the water control outfall structure that was provided by the County, and discussed during field meetings. The cost for Option 1 is $21,900.

E Sciences has also prepared a cost proposal for an alternative structure that would provide a greater ability to manage the water elevation of the ERWA. Instead of constructing a concrete weir within the earthern berm, as called for in Option 1, E Sciences proposes to construct and install a 36" flashboard riser mounted on a 24" corrugated metal pipe. The benefits of the flashboard riser would be the ability to manage water elevations over a broader range, including lower the elevation below that of the concrete weir. This design change will give the County more control of the water elevation on the site. The cost for Option 2 is $20,200.

Scope of Services Part 2

E Sciences will design and implement an ecological monitoring plan on the 60 acres (+-) of affected land within the ERWA. The ecological monitoring plan will be designed to evaluate if the hydrologic regime obtained from the installation of the water control outfall structure is appropriate. This will be accomplished by monitoring:

1. The surface and groundwater elevations.
2. The natural re-growth of vegetation.
3. The wildlife utilization of the wetland and the adjacent uplands.

In the creation of the ecological monitoring plan E Sciences will obtain and incorporate existing hydrological, floral and fauna data collected within the ERWA. E Sciences has interviewed Dr. John Sauth, University of Central Florida professor, about the nature of his research with the wilderness area. E Sciences is prepared to engage Dr. Sauth's students in the gopher tortoise survey, the installation of vegetation monitoring transects, and the installation of herptefauna monitoring stations. To maintain accuracy and constancy with data collection E Sciences' staff will conduct all of the routine monitoring.

E Sciences is experienced with gopher tortoise surveys, and relocations. To conduct the gopher tortoise survey E Sciences plans on following the methods described in the "Ecological and Habitat Needs of the Gopher Tortoise (*Gopherus Polyphemus*) Population Found on Lands Slated for Large Scale Development in Florida, Nongame Wildlife Program Technical Report No. 4", Florida Game and Fresh Water Fish Commission.

The gopher tortoise will be marked with a numbering scheme agreed upon with the County. The gopher tortoise will be marked following the methods described in, "Available Options to Address the Presences of Gopher Tortoise on Lands Slated for Development", Florida Fish and Wildlife Conservation Commission.

E Sciences will utilize a Trimble Pro XR to satisfy the GPS requirements of this scope. The Trimble ProXR uses a 12-channel GPS receiver with integrated differential correction to achieve sub-meter accuracy.

E Sciences will prepare a five year ecological monitoring plan on the ERWA that will include the following tasks:

1. Attend a project kick-off meeting with County Staff.
2. Conduct a literature search and interviews to estimate historic site conditions.
3. Survey to determine elevations of existing piezometers.
4. Topographic survey (one (1) foot contours) of the affected area and extending at least one hundred (100) feet outside the affected area.
5. Monthly monitoring of the fifteen (15) existing piezometers.
6. Establish permanent sampling location for vegetation and herptefauna.
7. All sampling locations will be randomly determined, marked with re-bar and the locations will be recorded via GPS.
8. Quarterly monitoring of the vegetation (canopy, shrub and herbaceous layers).
9. GPS locations of nuisance exotic plant species (FLEPPC Category I and II).
10. Quarterly monitoring of tree mortality in and adjacent to the affected area.
11. Survey, evaluate the status, and GPS the location of all gopher tortoise burrows.
12. Monthly monitoring of gopher tortoise burrows (assign new, active, inactive or abandoned).
13. Uniquely identify all gopher tortoises encountered using a marking system approved by the County Staff.
14. Quarterly herptefaunal surveys.
15. Submit annual reports summarizing findings and providing all raw data in an approved format.
16. Submit a final report summarizing all results and an analysis on the overall success of the hydrologic modifications.

The cost for Part 2: Five year ecological monitoring is $61,295.60.

Scope of Services Part 3

As a result of the 2002 flooding event many of the trees within the affected area have died. The County requires the removal of the dead timber for safety reasons to staff and visitors, and to eliminate the long term smoke hazard after a prescribed burn or wildfire. E Sciences will provide this service to Seminole County through the utilization a subcontractor. The following scope of service will be provided:

1. The County Staff will clearly mark which trees or areas will be timbered.
2. The Contractor will be responsible for cutting and removing all of the dead timber as marked by the County Staff.
3. The location of all loading/chipping/burning areas must be approved by the County Staff.
4. All proposed access and exit routes must be approved by the County Staff.
5. Reasonable measures will be taken by the Contractor to avoid soil disturbance, particularly in organic soils.
6. All woody materials, including non-merchantable material, must be removed from the site or burned on-site.
7. Brush piles will either be removed or burned on-site.

The cost for Scope of Service Part 3 is $28,600. Please note that this cost is based on the removal of approximately 30,000 board/foot of timber.

Schedule

E Sciences will attend Seminole County's project kickoff meeting and will initiate work efforts within fourteen days after the Notice to Proceed. Once timber removal has been completed monitoring activities will be initiated and are expected to occur over a five year period.

Fee

E Sciences has proposed two options to satisfy Scope of Services Part 1, therefore depending on which option Seminole County selects we propose the following two lump sum fees:

> To perform work associated with Scope of Services Part 1 (Option 1), Part 2, and Part 3 a lump sum fee of $111,795.60.
>
> To perform work associated with Scope of Services Part 1 (Option 2), Part 2, and Part 3 a lump sum fee of $110,095.60.

If unforeseen conditions should require services beyond the scope of services described herein, E Sciences will notify you immediately of additional costs necessary to complete the project, prior to proceeding.

Authorization

Please provide written authorization to proceed under the terms and conditions of the Master Service Agreement between Seminole County and E Sciences.

Closing

We appreciate the opportunity to offer our professional services on this project. If you have any questions concerning this proposal, please do not hesitate contacting us at (407) 481-9006.

Sincerely,

E SCIENCES, INCORPORATED

Doug Powers
Project Biologist

James Bassett, P.E.
Vice-President

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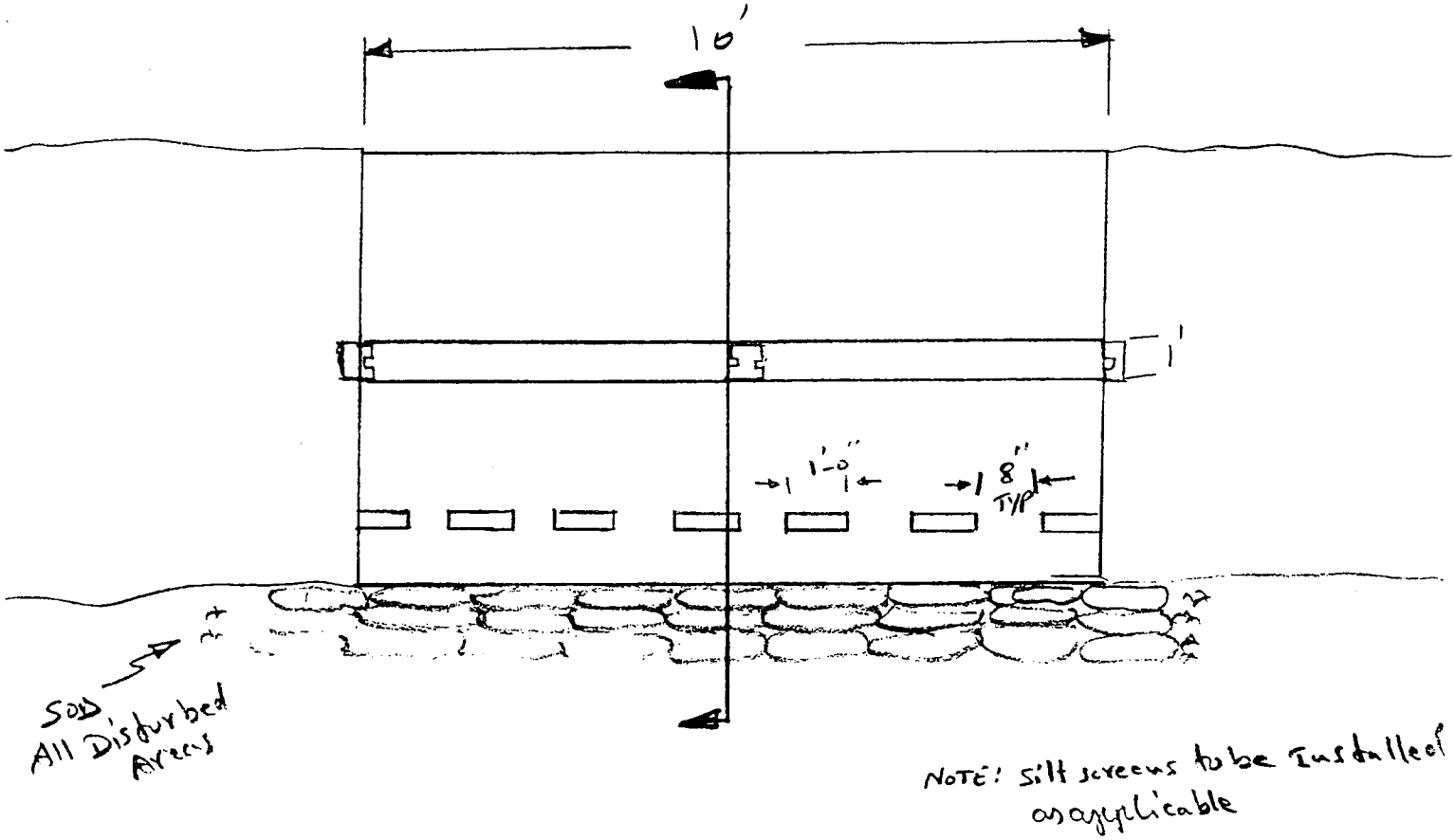
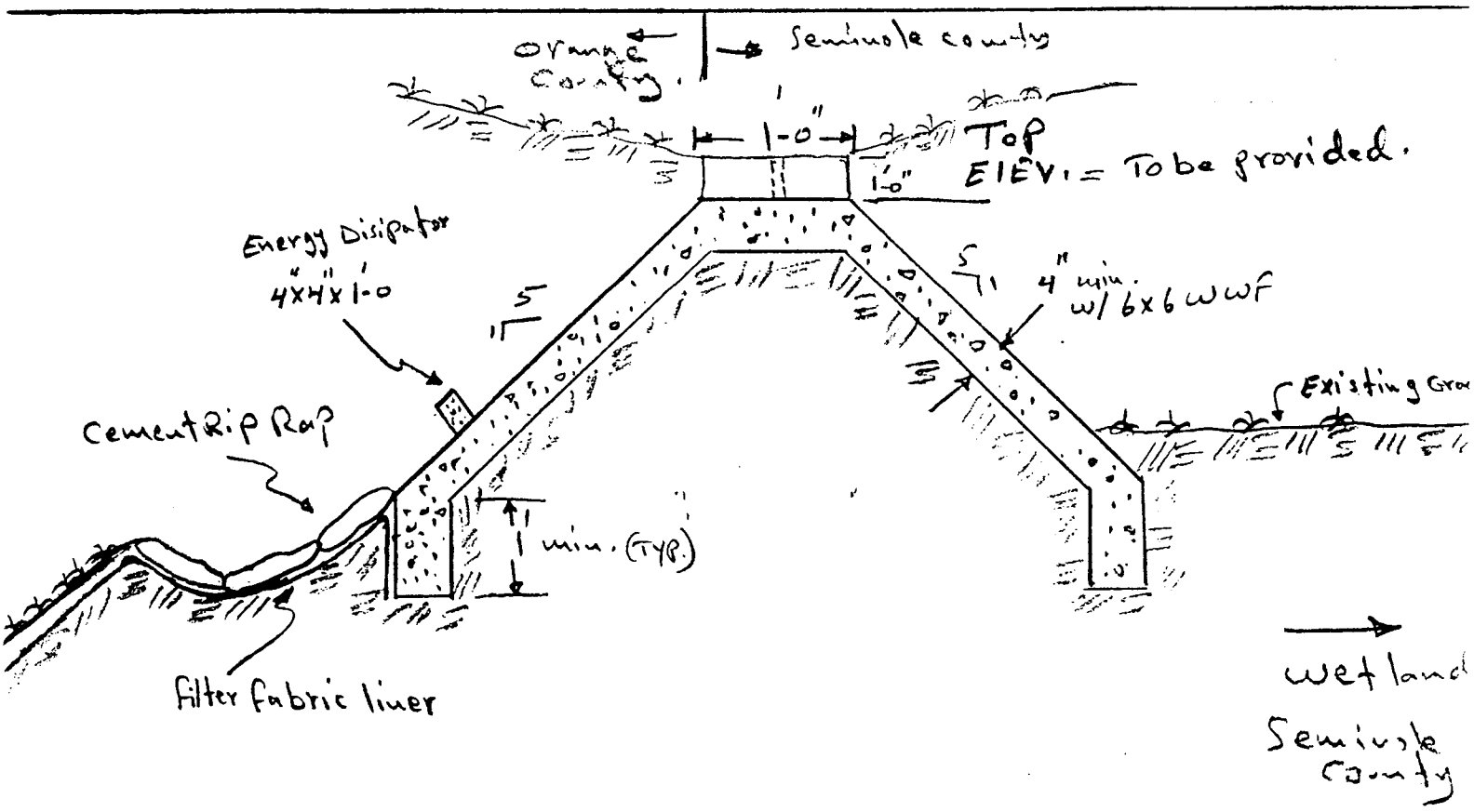
ATTACHMENT A





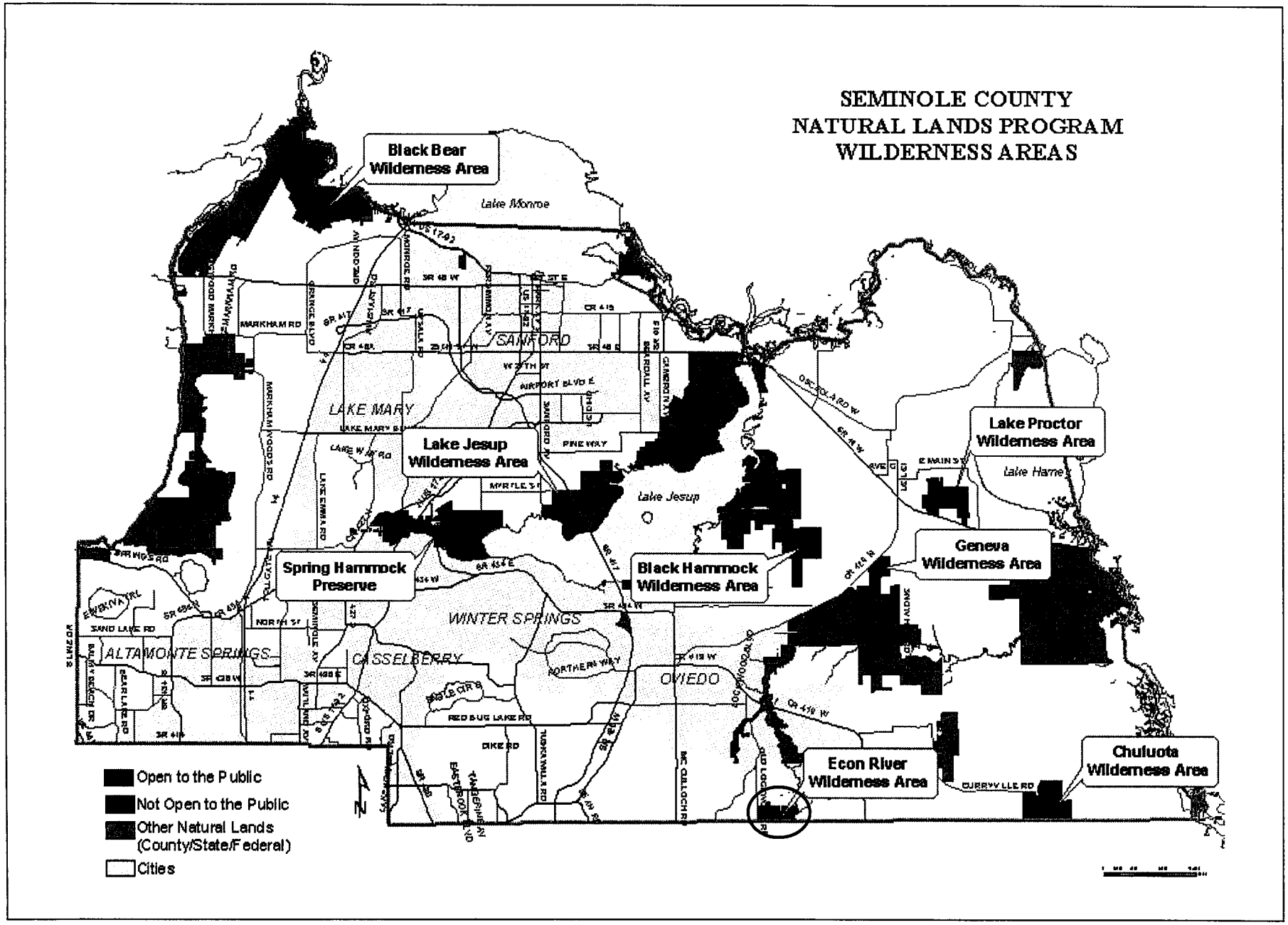


Exhibit 2: Location of Econ River Wilderness Area

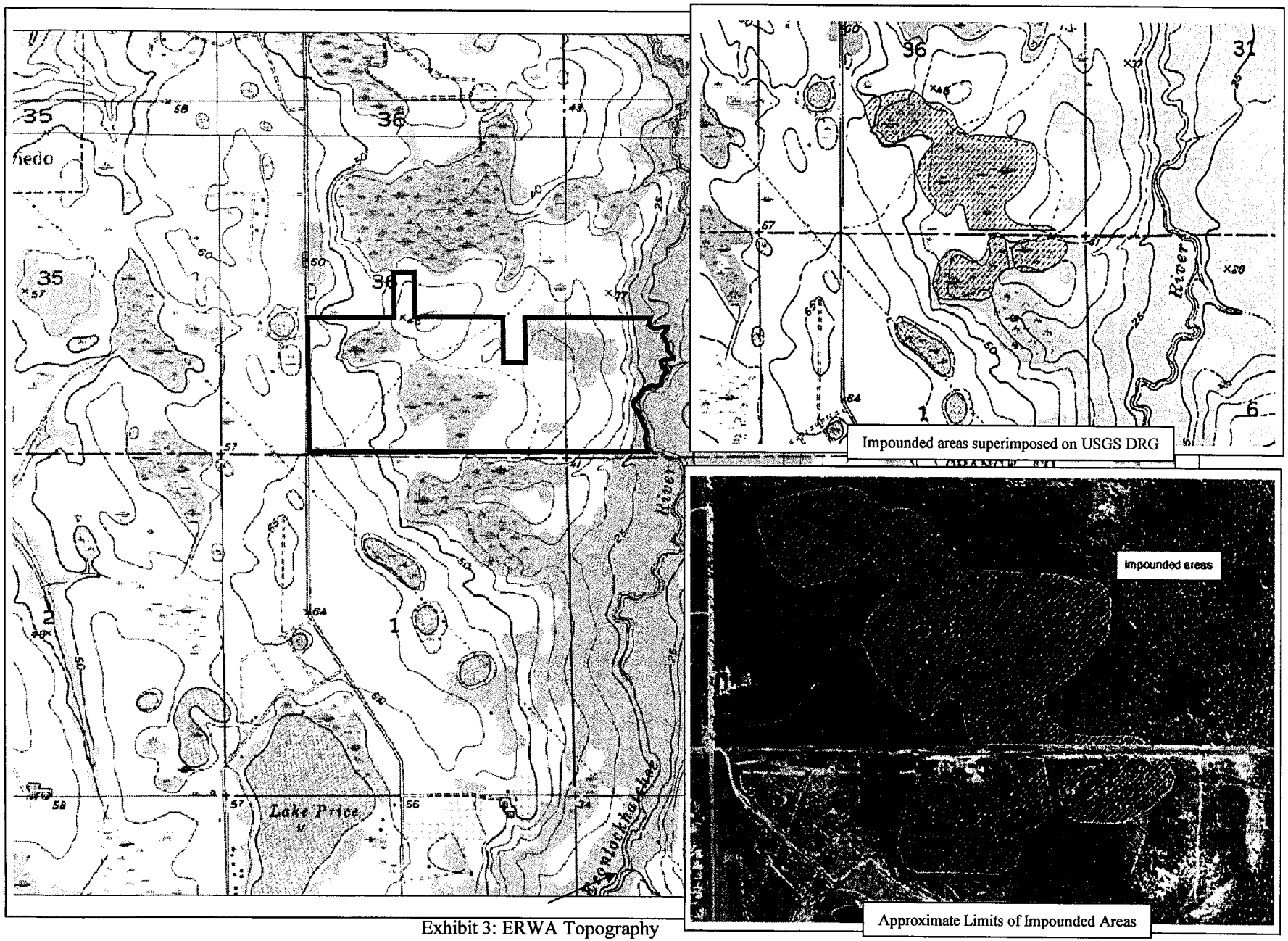


Exhibit 3: ERWA Topography

PROFESSIONAL SERVICES/REQUEST FOR PROPOSAL
REVISED COST PROPOSAL

Submitted by Esciences, Inc on November 11, 2004

	Cost
Part 1. Outfall Structure Construction	
1. Structure construction/installation	$ 21,900.00 [1]
Part 2. Five Year Ecological Monitoring	
1. Kick-off Meeting	$ 268.00
2. Literature/historical review	$ 392.00
3. Survey piezometer elevation (included in Task 4)	NA
4. Site topo survey	$ 8,949.00
5. Monthly piezometer monitoring	$ 11,760.00
6. Permanent vegetation/herptefauna monitoring stations	$ 1,862.00
7. Marking and GPS'ing stations	$ 98.00
8. Quarterly vegetation monitoring	$ 6,148.00
9. GPS location of nuisance exotic plants	$ 245.00
10. Survey and GPS tortoise burrows	$ 928.00
11. Quarterly tortoise burrow monitoring	$ 9,863.00
12. Marking tortoises	$ 245.00
13. Submit five (5) annual reports of findings	$ 1,946.00
14. Submit final report of findings and recommendations	$ 1,110.00
15. Expenses (See below)	
Vehicle	$ 2,700.00
GPS	$ 300.00
Shipping	$ 50.00
Photography	$ 121.00
Reproduction 8.5" x 11" black and white	$ 40.00
Reproduction 8.5" x 11" color	$ 75.00
Part 3. Timber Cutting and Removal/Disposal	
1. Lump Sum Proposal:	$21,000.00
Total Cost Proposal:	**$ 90,000.00**

[1] If all parties (Seminole County, SJRWMD, Orange County) agree, the existing outfall structure may be modified reducing the cost of the Part 1.

ECON RIVER PROPOSAL COST COMPARISON

	Water & Air	EMS	ECT	Esciences
Part 1. Outfall Structure Construction				
1 Structure construction/installation	$ 25,790.50	$ 21,900.00	$ 3,700.00 [1]	$ 21,900.00 [2]
Part 2. Five Year Ecological Monitoring				
1 Kick-off Meeting	$ 1,958.45	$ 379.68	$ 1,800.00	$ 268.00
2 Literature/historical review	$ 5,397.35	$ 1,506.16	$ 2,700.00	$ 392.00
3 Survey piezometer elevation	$ 4,500.00	$ 1,677.50	$ 2,100.00	
4 Site topo survey	$ 10,600.00	$ 8,320.00	$ 7,500.00	$ 8,949.00
5 Monthly piezometer monitoring	$ 29,654.08	$ 100,254.00	$ 21,600.00	$ 11,760.00
6 Permanent vegetation/herptefauna monitoring stations	$ 9,666.19	$ 2,255.34	$ 1,000.00	$ 1,862.00
7 Marking and GPS'ing stations		$ 2,318.88	$ 1,700.00	$ 98.00
8 Quarterly vegetation monitoring	$ 46,078.54	$ 11,228.80	$ 71,600.00	$ 6,148.00
9 GPS location of nuisance exotic plants	$ 14,974.07	$ 1,798.72		$ 245.00
10 Quarterly monitoring of tree mortality	$ 14,974.07	$ 11,228.80		$ 6,148.00
11 Survey and GPS tortoise burrows	$ 3,618.36	$ 569.52	$ 2,800.00	$ 928.00
12 Monthly tortoise burrow monitoring	$ 42,674.97	$ 56,204.40	$ 16,700.00	$ 11,760.00
13 Marking tortoises				$ 245.00
14 Quarterly herptefaunal surveys	$ 66,002.40	$ 11,228.80	$ 45,000.00	$ 6,148.00
15 Submit five (5) annual reports of findings	$ 66,869.65	$ 9,913.15	$ 43,000.00	$ 1,946.00
16 Submit final report of findings and recommendations	$ 9,750.00	$ 2,409.15	$ 7,900.00	$ 1,110.00
17 Expenses				$ 3,288.60
Part 3. Timber Cutting and Removal/Disposal				
1 Lump Sum Proposal:	$ 24,500.00	$ 23,800.00	$ 2,200.00 [1]	$ 28,600.00
Total Cost Proposal:	$377,008.63	$ 266,992.90	$ 231,300.00 [1]	$ 111,795.60 [2]

[1]ECT would only manage these parts for us at this cost.
The actual cost of the work is not included in this bid.
[2]Esciences proposed two types of weir structures. The higher cost is reflected here.

Evaluation PS-5150-03/AJP, Work Order #17

	Jim Duby	Mahmoud Najda	Craig Shadrix	Greg Walker	Total	Ranking
E Sciences	1	1	1	1	4	1
EMS	4	3	4	2	13	4
ECT	3	2	2	2	9	2
Water & Air	2	3	2	4	11	3

PS-5150-03/AJP – Environmental Services Work Order Evaluation

SUBMITTAL COMPANY NAME: EMS

QUALIFICATION COMMITTEE MEMBER: Mahmoud R. Najda P.E.

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100	Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89	Excellent, Very Good, Solid in all respects.
70 – 79	Good, No major weaknesses, Fully Acceptable as is
60 – 69	Marginal, Weak, Workable but needs clarifications
Below 60	Unacceptable, Needs major help to be acceptable

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Similar Work Experience (33.33%)

Had some experience in related issues, though limited, not extensive.

Score 60
(100-0)

Criteria: Technical Approach (33.33%)

Weak, most information provided talks about what the firm does and can do, it did not specifially relate to the site area and its concerns.

Score 50
(100-0)

Criteria: Cost/Value (33.33%)

over estimated, don't seem to understand the scope of work and what needs to be done.

Score 50
(100-0)

Total 160

PS-5150-03/AJP – Environmental Services Work Order Evaluation

SUBMITTAL COMPANY NAME: ECT

QUALIFICATION COMMITTEE MEMBER: Mahmoud R. Najda P.E.

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100	Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89	Excellent, Very Good, Solid in all respects.
70 – 79	Good, No major weaknesses, Fully Acceptable as is
60 – 69	Marginal, Weak, Workable but needs clarifications
Below 60	Unacceptable, Needs major help to be acceptable

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Similar Work Experience (33.33%)

Good

Score 80
(100-0)

Criteria: Technical Approach (33.33%)

did not address the job specific issues and areas of concern. Just explanation of what they have done and what they can do!

Score 50
(100-0)

Criteria: Cost/Value (33.33%)

overestimated

Score 50
(100-0)

Total. 180

PS-5150-03/AJP – Environmental Services Work Order Evaluation

SUBMITTAL COMPANY NAME: Water & Air

QUALIFICATION COMMITTEE MEMBER: Mahmoud R. Najda P.E.

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100	Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89	Excellent, Very Good, Solid in all respects.
70 – 79	Good, No major weaknesses, Fully Acceptable as is
60 – 69	Marginal, Weak, Workable but needs clarifications
Below 60	Unacceptable, Needs major help to be acceptable

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Similar Work Experience (33.33%)

~~Attem~~ Moderate experience

Score 70
(100-0)

Criteria: Technical Approach (33.33%)

Attempt to provide unnecessary activities and create additional tasks that are not needed. "over doing it."

Score 50
(100-0)

Criteria: Cost/Value (33.33%)

over estimated

Score 40
(100-0)

Total. 160

PS-5150-03/AJP – Environmental Services Work Order Evaluation

SUBMITTAL COMPANY NAME: E sciences.

QUALIFICATION COMMITTEE MEMBER: Mahmoud R. Najda

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100	Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89	Excellent, Very Good, Solid in all respects.
70 – 79	Good, No major weaknesses, Fully Acceptable as is
60 – 69	Marginal, Weak, Workable but needs clarifications
Below 60	Unacceptable, Needs major help to be acceptable

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Similar Work Experience (33.33%)

good

Score 80
(100-0)

Criteria: Technical Approach (33.33%)

Addressed the concerns properly

Score 80
(100-0)

Criteria: Cost/Value (33.33%)

Score 70
(100-0)

Total 230

NOTE: A meeting with company should be held if chosen, To clarify their designs and ideas.

PS-5150-03/AJP – Environmental Services Work Order Evaluation

SUBMITTAL COMPANY NAME: EMS

QUALIFICATION COMMITTEE MEMBER: Jim Duby

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100	Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89	Excellent, Very Good, Solid in all respects.
70 – 79	Good, No major weaknesses, Fully Acceptable as is
60 – 69	Marginal, Weak, Workable but needs clarifications
Below 60	Unacceptable, Needs major help to be acceptable

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Similar Work Experience (33.33%)

Examples of similar projects was not submitted with proposal for this work order. However, review of their original submittal for Master Contract revealed a well rounded level of work experience

Score 85
(100-0)

Criteria: Technical Approach (33.33%)

Submittal provided minimal information to address scope

Only one time survey of exotics - no evaluation of long term status

Score 60
(100-0)

Criteria: Cost/Value (33.33%)

3rd highest quote

Score 70
(100-0)

21

PS-5150-03/AJP – Environmental Services Work Order Evaluation

SUBMITTAL COMPANY NAME: E Sciences

QUALIFICATION COMMITTEE MEMBER: Jim Duby

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100	Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89	Excellent, Very Good, Solid in all respects.
70 – 79	Good, No major weaknesses, Fully Acceptable as is
60 – 69	Marginal, Weak, Workable but needs clarifications
Below 60	Unacceptable, Needs major help to be acceptable

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Similar Work Experience (33.33%)

No references to similar experience submitted with this work order proposal. However review of original master contract proposal reveals some related experience

Score 80
(100-0)

Criteria: Technical Approach (33.33%)

Thorough

Score 80
(100-0)

Criteria: Cost/Value (33.33%)

Score 100
(100-0)

PS-5150-03/AJP – Environmental Services Work Order Evaluation

SUBMITTAL COMPANY NAME: Water + Air

QUALIFICATION COMMITTEE MEMBER: Jim Duby

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100	Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89	Excellent, Very Good, Solid in all respects.
70 – 79	Good, No major weaknesses, Fully Acceptable as is
60 – 69	Marginal, Weak, Workable but needs clarifications
Below 60	Unacceptable, Needs major help to be acceptable

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Similar Work Experience (33.33%)

Heavy on T+E species
Not extensive hydrologic assessment/mon. mentioned

Score 85
(100-0)

Criteria: Technical Approach (33.33%)

Thorough coverage of specified items

Score 85
(100-0)

Criteria: Cost/Value (33.33%)

Highest quote

Score 55
(100-0)

225

PS-5150-03/AJP – Environmental Services Work Order Evaluation

SUBMITTAL COMPANY NAME: ECT

QUALIFICATION COMMITTEE MEMBER: Jim Duby

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100	Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89	Excellent, Very Good, Solid in all respects.
70 – 79	Good, No major weaknesses, Fully Acceptable as is
60 – 69	Marginal, Weak, Workable but needs clarifications
Below 60	Unacceptable, Needs major help to be acceptable

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Similar Work Experience (33.33%)

High level of related work experience

Score 90
(100-0)

Criteria: Technical Approach (33.33%)

Well developed plan for assessing and monitoring impacts & subsequent responses.
No quote for engineering + timber removal cost - just management

Score 70
(100-0)

Criteria: Cost/Value (33.33%)

2nd

Score 85
(100-0)

85

PS-5150-03/AJP – Environmental Services Work Order Evaluation

SUBMITTAL COMPANY NAME: E Sciences

QUALIFICATION COMMITTEE MEMBER: C. Shadny

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100	Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89	Excellent, Very Good, Solid in all respects.
70 – 79	Good, No major weaknesses, Fully Acceptable as is
60 – 69	Marginal, Weak, Workable but needs clarifications
Below 60	Unacceptable, Needs major help to be acceptable

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Similar Work Experience (33.33%)

Sufficient - listed some relevant experience

Score 75
(100-0)

Criteria: Technical Approach (33.33%)

Would have liked more detail, but the key components are listed. Misspellings are common & should be checked prior to submittal. Liked the proposed alternative to the weir.

Score 78
(100-0)

Criteria: Cost/Value (33.33%)

Excellent price for the proposed work

Score 85
(100-0)

238 total

PS-5150-03/AJP – Environmental Services Work Order Evaluation

SUBMITTAL COMPANY NAME: Water + Air Research, Inc.

QUALIFICATION COMMITTEE MEMBER: C. Shadix

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100	Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89	Excellent, Very Good, Solid in all respects.
70 – 79	Good, No major weaknesses, Fully Acceptable as is
60 – 69	Marginal, Weak, Workable but needs clarifications
Below 60	Unacceptable, Needs major help to be acceptable

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Similar Work Experience (33.33%)

Sufficient, based on proposal

Score 75
(100-0)

Criteria: Technical Approach (33.33%)

Needs more detail on the weir installation. Good overall proposal, esp. proposing use of Wetland Affinity Values.

Score 80
(100-0)

Criteria: Cost/Value (33.33%)

Unacceptable

Score 60
(100-0)

215 total

PS-5150-03/AJP – Environmental Services Work Order Evaluation

SUBMITTAL COMPANY NAME: ECT

QUALIFICATION COMMITTEE MEMBER: C. Shadrik

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100	Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89	Excellent, Very Good, Solid in all respects.
70 – 79	Good, No major weaknesses, Fully Acceptable as is
60 – 69	Marginal, Weak, Workable but needs clarifications
Below 60	Unacceptable, Needs major help to be acceptable

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Similar Work Experience (33.33%)

Experience is sufficient

Score 70
(100-0)

Criteria: Technical Approach (33.33%)

Disagree that reduction of monitoring would not affect scientific meaning. Good overall methodology, especially proposal of a random number generator.

Score 80
(100-0)

Criteria: Cost/Value (33.33%)

Marginal

Score 65
(100-0)

215 total

PS-5150-03/AJP – Environmental Services Work Order Evaluation

SUBMITTAL COMPANY NAME: EMS

QUALIFICATION COMMITTEE MEMBER: C. Shadrix

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100	Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89	Excellent, Very Good, Solid in all respects.
70 – 79	Good, No major weaknesses, Fully Acceptable as is
60 – 69	Marginal, Weak, Workable but needs clarifications
Below 60	Unacceptable, Needs major help to be acceptable

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Similar Work Experience (33.33%)

Sufficient

Score 70
(100-0)

Criteria: Technical Approach (33.33%)

Minimal at best. When is the methodology explaining how, what, when, & where? What about Mapping?

Score 65
(100-0)

Criteria: Cost/Value (33.33%)

Hard to justify cost when student labor is proposed.

Score 55
(100-0)

190 total

PS-5150-03/AJP – Environmental Services Work Order Evaluation

SUBMITTAL COMPANY NAME: ~~[illegible]~~ ECT

QUALIFICATION COMMITTEE MEMBER: GREGG WALKER

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100	Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89	Excellent, Very Good, Solid in all respects.
70 – 79	Good, No major weaknesses, Fully Acceptable as is
60 – 69	Marginal, Weak, Workable but needs clarifications
Below 60	Unacceptable, Needs major help to be acceptable

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Similar Work Experience (33.33%)

VERY GOOD EXPERIENCE IN HYDROLOGY VEGETATION MONITORING AND WILDLIFE

Score 95
(100-0)

Criteria: Technical Approach (33.33%)

VERY GOOD EXCEPT FAILED TO BID ON ENGINEERING COST AND TIMBER MANAGEMENT COST - THEY OFFERED TO MANAGE AND BID OUT THESE TASKS FOR US.

Score 70
(100-0)

Criteria: Cost/Value (33.33%)

COST RANKING WAS IN THE MIDDLE. HOWEVER, THE ENGINEERING COST AND TIMBERING COST WAS NOT INCLUDED!

Score 40
(100-0)

PS-5150-03/AJP – Environmental Services Work Order Evaluation

SUBMITTAL COMPANY NAME: E-SCIENCES

QUALIFICATION COMMITTEE MEMBER: GREGG WALKER

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100	Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89	Excellent, Very Good, Solid in all respects.
70 – 79	Good, No major weaknesses, Fully Acceptable as is
60 – 69	Marginal, Weak, Workable but needs clarifications
Below 60	Unacceptable, Needs major help to be acceptable

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Similar Work Experience (33.33%)

ADEQUATE SIMILAR WORK EXPERIENCE
REFERENCES CONTACTED - RECEIVED VERY GOOD TO
EXCELLENT REVIEWS - PARTICULARLY JIM BASSETT
WHO IS PROJECT MANAGER

Score 95
(100-0)

Criteria: Technical Approach (33.33%)

MUCH OF THE PROPOSAL WAS NON-SPECIFIC. HOWEVER,
THEY HAVE THE RESOURCES AND ABILITY TO MEET
OUR NEEDS

Score 75
(100-0)

Criteria: Cost/Value (33.33%)

LOWEST BID. EXCELLENT COST TO BENEFIT
RATIO

Score 100
(100-0)

PS-5150-03/AJP – Environmental Services Work Order Evaluation

SUBMITTAL COMPANY NAME: EMS

QUALIFICATION COMMITTEE MEMBER: GREGG WALKER

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100	Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89	Excellent, Very Good, Solid in all respects.
70 – 79	Good, No major weaknesses, Fully Acceptable as is
60 – 69	Marginal, Weak, Workable but needs clarifications
Below 60	Unacceptable, Needs major help to be acceptable

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Similar Work Experience (33.33%)

A MAJORITY OF RELATED WORK EXPERIENCE APPEARS TO BE IN HAZ MATERIALS, ENGINEERING AND PERMITTING AS APPOSED TO NATURAL RESOURCE ASSESSMENT.

Score 80
(100-0)

Criteria: Technical Approach (33.33%)

~~FOR~~ TECHNICAL APPROACH WAS VAGUE BUT EMS SEEMS QUALIFIED TO CONDUCT THE WORK

Score 65
(100-0)

Criteria: Cost/Value (33.33%)

FOR MOST TASKS, EMS WAS LESS EXPENSIVE THAN MOST. HOWEVER, A FEW TASKS WERE VERY EXPENSIVE GIVING THEM AN OVERALL EXPENSIVE PROPOSAL

Score 60
(100-0)

PS-5150-03/AJP – Environmental Services Work Order Evaluation

SUBMITTAL COMPANY NAME: WATER & AIR, INC.

QUALIFICATION COMMITTEE MEMBER: GREGG WALKER

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100	Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89	Excellent, Very Good, Solid in all respects.
70 – 79	Good, No major weaknesses, Fully Acceptable as is
60 – 69	Marginal, Weak, Workable but needs clarifications
Below 60	Unacceptable, Needs major help to be acceptable

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Similar Work Experience (33.33%)

ADEQUATE WILDLIFE EXPERIENCE
ADEQUATE HABITAT RESTORATION EXPERIENCE
HYDROLOGIC RESTORATION NOT DISCUSSED

Score 73
(100-0)

Criteria: Technical Approach (33.33%)

VERY WELL DETAILED DESCRIPTION
VEGETATION SAMPLING IS "OVERKILL"

Score 80
(100-0)

Criteria: Cost/Value (33.33%)

CAN'T JUSTIFY COST.

Score 20
(100-0)