

**Glades County
Request for Proposal
RFP 2019-02
Glades County Business Park Wetland Enhancement**

April 19, 2019



Request for Proposal

Glades County is seeking proposals for exotic and nuisance vegetation treatment followed by supplemental plantings in three (3) wetland areas within Glades County Business Park. The proposals must adequately respond to the Scope and Bid Schedule included within this document.

The attached Wetlands Exhibits show the location of wetlands that Glades County has responsibility to maintain. The entrance to Glades County Business Park is located off State Road 27 and County Road 78 West in Glades County.

The Glades County Board of County Commissioners meets on May 14, 2019 and wishes to have proposals reviewed by staff in advance of the meeting. To meet this timeline, Glades County requests that signed proposals be received by email or mail by 3:00 PM on May 8, 2019. Submit proposals to:

Martin Murphy
County Manager
PO Box 10
Moore Haven, FL 33471
MMurphy@myglades.com

Questions regarding the Request for Proposal should be directed to Martin Murphy via email or phone at (863)946-6125.

Glades County Business Park

2019 Wetland Enhancement

Scope

Glades County has an approximate total of 8.84 acres in Wetlands 1, 2, and 3 as depicted in the attached Exhibits requiring a qualified contractor to provide both exotic and nuisance vegetation treatment and supplemental plantings. This will include an initial intensive nuisance and exotic vegetation maintenance event (manual herbicide application with no mechanized removal or mowing) followed by planting of the areas. The goal of the enhancement activity is to ensure the conservation areas contain at least 80% coverage by desirable wetland species and nuisance plant species to be no more than 5% total coverage as determined by qualified environmental professionals.

Exotic and Nuisance Vegetation Treatments:

Conduct a minimum of one (1) selective exotic/nuisance vegetation treatment event in early April 2019 and based on desired results, a second selective follow-up treatment (if required) approximately Two (2) weeks prior to planting to ensure nuisance and exotic vegetation remains below 5% total cover. A site inspection visit within 10-14 days after the first exotic vegetation treatment must be coordinated with Johnson Engineering, a qualified ecologist, to assess the effectiveness and decide the need for a second follow-up treatment prior to planting. Treatment events will be conducted using manual labor and herbicide application in accordance with EPA label instructions for each herbicide. No mechanized vegetation treatment, such as mowing, will occur in the conservation areas.

Supplemental Plantings:

A supplemental planting plan for the preserved wetlands and buffer areas within the conservation easements for wetlands 1 through 3 is attached. The planting plan includes installation of suitable, desirable native wetlands species on four feet (4') centers within the portions of wetlands 1 through 3 and their respective buffers. All of wetlands 1 and 3 and their buffers will be planted while only the north, east and south perimeters of wetland 2 and its buffer are proposed for planting since the center of Wetland 2 contains mostly desirable wetland vegetation. Planting acreages for wetlands 1 through 3 and their buffer areas total approximately 2.40 acres, 1.63 acres, and 4.81 acres, respectively. Planting is anticipated to occur in mid to late May 2019, subject to rainfall patterns and appropriate soil conditions to ensure plant survivability, without having to irrigate new plantings. The actual planting timeframe will be determined by Johnson Engineering.

Wetland 1 & Buffer Area – 2.40 acres +/-

First Exotic/Nuisance Vegetation Treatment	\$ _____
Second Exotic/Nuisance Vegetation Treatment (if required)	\$ _____
Planting (including installation)	\$ _____
Subsequent Vegetation Treatments (per event)	\$ _____

Wetland 2 & Buffer Area - 1.62 acres +/-

First Exotic/Nuisance Vegetation Treatment	\$ _____
Second Exotic/Nuisance Vegetation Treatment (if required)	\$ _____
Planting (including installation)	\$ _____
Subsequent Vegetation Treatments (per event)	\$ _____

Wetland 3 & Buffer Area - 4.81 acres +/-

First Exotic/Nuisance Vegetation Treatment	\$ _____
Second Exotic/Nuisance Vegetation Treatment (if required)	\$ _____
Planting (including installation)	\$ _____
Subsequent Vegetation Treatments (per event)	\$ _____

TOTAL (ALL WETLANDS) First Treatment	\$ _____
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TOTAL (ALL WETLANDS) Second Treatment	\$ _____
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TOTAL (ALL WETLANDS) Planting	\$ _____
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GRAND TOTAL	\$ _____
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Wetland 1 & Buffer Supplemental Planting Area - 2.40 acres						
<u>Common Name</u>	<u>Scientific Name</u>	<u>Comments</u>	<u>Min. Size</u>	<u>Stratum</u>	<u>Spacing⁴</u>	<u>Quantity</u>
Fakahatchee grass	<i>Tripsacum dactyloides</i>	Perimeter / higher elevations	1 gallon	Ground cover	4' O.C. (70%)	350
Sand cordgrass	<i>Spartina bakeri</i>	Throughout	1 gallon	Ground cover	5' O.C. (70%)	1,961
Maidencane	<i>Panicum hemitomon</i>	Lower elevations	bare root	Ground cover	4' O.C. (70%)	386
Sawgrass	<i>Cladium jamaicense</i>	Lower elevations	liner stock	Ground cover	4' O.C. (70%)	386
Yellow canna	<i>Canna flaccida</i>	Lower elevations	bare root	Ground cover	4' O.C. (70%)	386
Subtotal:						3,470
Wetland 2 & Buffer Supplemental Planting Area - 1.63 acres						
<u>Common Name</u>	<u>Scientific Name</u>	<u>Comments</u>	<u>Min. Size</u>	<u>Stratum</u>	<u>Spacing⁴</u>	<u>Quantity</u>
Fakahatchee grass	<i>Tripsacum dactyloides</i>	Perimeter & higher elevations	1 gallon	Ground cover	4' O.C. (70%)	210
Sand cordgrass	<i>Spartina bakeri</i>	Throughout	1 gallon	Ground cover	5' O.C. (70%)	1,332
Maidencane	<i>Panicum hemitomon</i>	Lower elevations	bare root	Ground cover	4' O.C. (70%)	272
Sawgrass	<i>Cladium jamaicense</i>	Lower elevations	liner stock	Ground cover	4' O.C. (70%)	272
Yellow canna	<i>Canna flaccida</i>	Lower elevations	bare root	Ground cover	4' O.C. (70%)	272
Subtotal:						2,357
Wetland 3 & Buffer Supplemental Planting Area - 4.81 acres						
<u>Common Name</u>	<u>Scientific Name</u>	<u>Comments</u>	<u>Min. Size</u>	<u>Stratum</u>	<u>Spacing⁴</u>	<u>Quantity</u>
Fakahatchee grass	<i>Tripsacum dactyloides</i>	Perimeter & higher elevations	1 gallon	Ground cover	4' O.C. (70%)	329
Sand cordgrass	<i>Spartina bakeri</i>	Throughout	1 gallon	Ground cover	5' O.C. (70%)	3,931
Maidencane	<i>Panicum hemitomon</i>	Lower elevations	bare root	Ground cover	4' O.C. (70%)	898
Sawgrass	<i>Cladium jamaicense</i>	Lower elevations	liner stock	Ground cover	4' O.C. (70%)	898
Yellow canna	<i>Canna flaccida</i>	Lower elevations	bare root	Ground cover	4' O.C. (70%)	898
Subtotal:						6,954
Total Plants:						12,781

Notes

1. Planted vegetation shall be from a local or regional (Orlando or south) source and nursery grown.
2. All harvested plant material shall be from a FDEP approved and permitted harvested site.
3. Plant installation work consists of furnishing and installing the complete plant materials and appliances required for the installation. Changes to plant species must be approved by the construction supervisor.
4. All plants except sand cordgrass will be installed on 4' average centers. Sand cordgrass shall be installed on 5' centers due to it's size at maturity.
5. To achieve a minimum 80% coverage by desirable species, the planting plan includes planting 70% of the wetland areas to account for the existing desirable plant species already present.
6. Prior to plant installation, all nuisance and exotic vegetation will be treated by a qualified contractor by hand and application of appropriate herbicides in accordance with EPA label instructions to ensure coverage by nuisance and exotic species is below 5% aerial coverage.

Notes

1. Planted vegetation shall be from a local or regional (Orlando or south) source and nursery grown.
2. All harvested plant material shall be from a FDEP approved and permitted harvested site.
3. Plant installation work consists of furnishing and installing the complete plant materials and appliances required for the installation. Changes to plant species must be approved by the construction supervisor.
4. Cost estimates shown are intended for general planning purposes only and subject to change based on supply and demand.
5. Sand cordgrass shall be installed on 5' centers due to its size at maturity.

Wetland 1
Supplemental Planting Area

Legend
Wetland

W-1
Supplemental planting
area

No plantings here

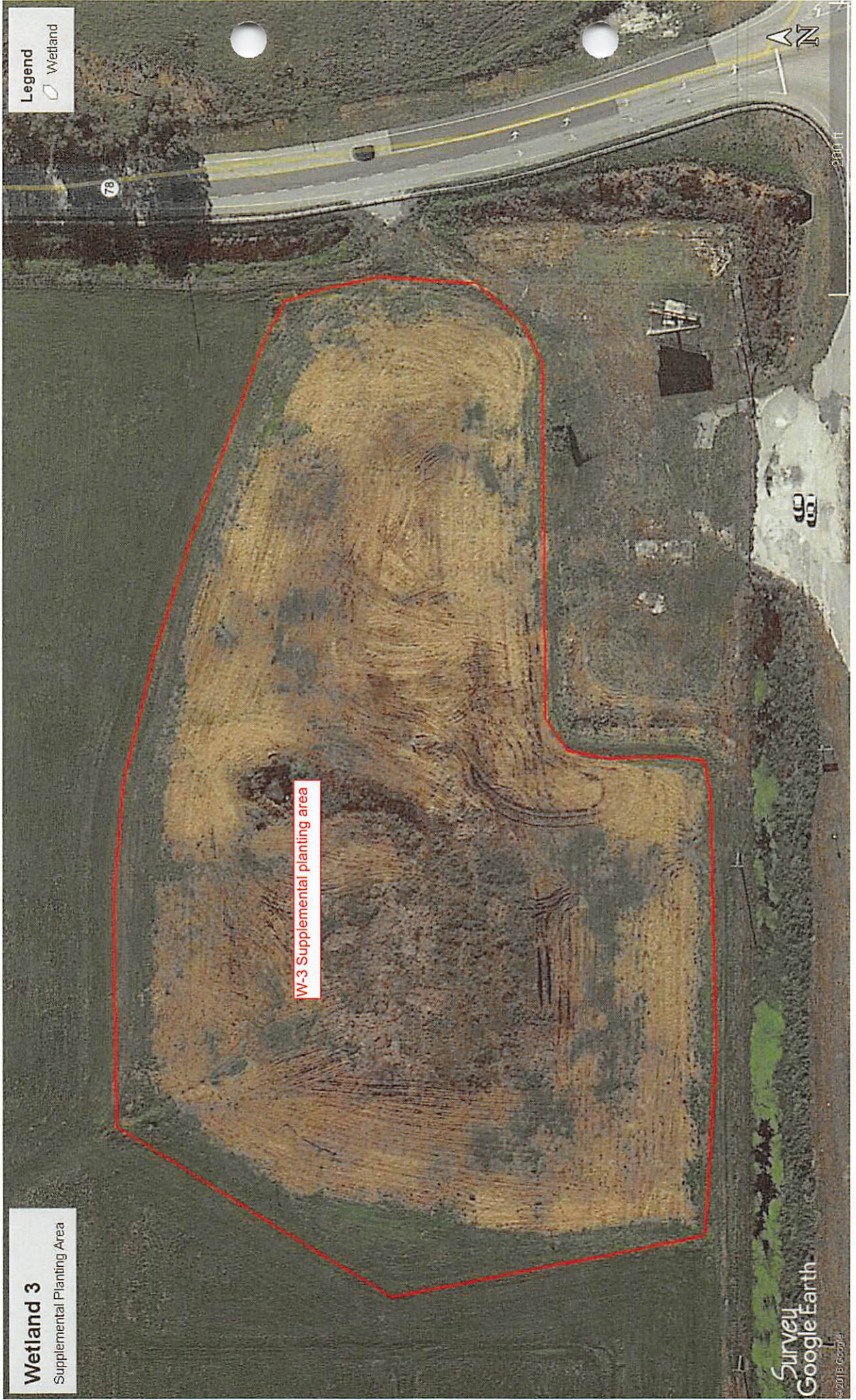




Wetland 3
Supplemental Planting Area

Legend
Wetland

W-3 Supplemental planting area



Survey
Google Earth

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