



MANATEE COUNTY
FLORIDA

August 13, 2012

TO: All Interested Bidders
SUBJECT: Invitation for Bid # 12-1926-DS
The Rookery at Perico Preserve

ADDENDUM # 4

Bidders are hereby notified that this Addendum shall be acknowledged on pages 00300-1 of the Bid Form and made a part of the above named bidding and contract documents. Bids submitted without acknowledgement of the Addendum will be considered incomplete.

The following items are issued to add to, modify, and clarify the bid and contract documents. These items shall have the same force and effect as the original bidding and contract documents, and cost involved shall be included in the bid prices. Bids to be submitted on the specified bid date, shall conform to the additions and revisions listed herein.

The deadline for clarification of questions has been extended to **August 21, 2012 at 3:00 pm.** This deadline has been established to maintain fair treatment of all potential bidders, while maintaining the expedited nature of the Economic Stimulus that the contracting of this work may achieve. Questions received after this date and time shall not be considered.

6/29/12---Questions received

QUESTION # 1: Are there any soil borings or any other geotechnical information available for the pond area?

RESPONSE # 1: **Addressed in Addendum #1, dated 7.16.2012, refer to Geotechnical Engineering Services Final Report.**

7/12/12---Questions received

QUESTION # 2: There is no detail or specification for the 14'-0" wide metal gate we are to furnish and install for bid item no. D.1.13, PARKING AREA, please provide what we are to supply.

RESPONSE # 2:

The following are the minimum specifications for the 14' wide metal gate:

Hinged Swing Tube Gate

Length: 14 feet

Height: 50 inches

Tube Diameter: 1-3/4 inch

Gauge: 19 ga

Material: Steel

Contractor shall also supply mounting hardware, snap chain, and posts necessary for installation of gate and install gate at location shown on Sheet 7 of 10.

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7/12/12---Questions received

QUESTION # 3: There is no F.D.O.T. Driveway Connection Permit in the bid documents. Does the County have this permit?

RESPONSE # 3: **Addressed in Addendum #1, dated 7.16.2012, refer to FDOT Driveway Connection Permit.**

QUESTION # 4: Are there soil borings available specifically at the area of where the freshwater pond is to be constructed?

RESPONSE # 4: **Addressed in Addendum #1, dated 7.16.2012, refer to Geotechnical Engineering Services Final Report.**

QUESTION # 5: Will a temporary field office for the engineer be required? Reference to temporary offices is found in the Bid Summary section of the specifications on page 1 of 12, par. D.1.1.1, please clarify.

RESPONSE # 5: **A temporary field office for the engineer is not required.**

QUESTION # 6: Is the 15' shelf between the 2 (two) side slopes, as shown in Sections E-E and F-F on plan sheet 7 (seven), supposed to receive an underlayment of the Type 'D' filter fabric?

RESPONSE # 6: **The "shelf" between the two slopes will not receive an underlayment of filter fabric.**

QUESTION # 7: Is the same shelf, as in question 6 (six) above, also to receive the large washed shell cover and if so what thickness, 6 (six) or 12 (twelve) inches? Please clarify.

RESPONSE # 7: **The "shelf" between the two slopes will not be shelled.**

QUESTION # 8: Without soil borings at the freshwater pond how are we to quantify the volume of unsuitable material? Even with soil borings none of the Contractors are going to come up with the same volume, why not add a bid item with an arbitrary quantity for the removal and disposal of unsuitable material?

RESPONSE # 8: **Addressed in Addendum #1, dated 7.16.2012, refer to Geotechnical Engineering Services Final Report.**

7/16/12---Questions received

QUESTION # 9: Would you please confirm that only licensed General Contractors are being allowed to bid this project?

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RESPONSE #9: The Contractor (company supplying the bid) shall be licensed in Florida under the Department of Business and Professional Regulations as a Certified General Contractor, Certified Underground Utility and Excavation Contractor or Registered Contractor and be current and active. Bidders must have a minimum of three (3) years experience; with a minimum of three projects that have been awarded within the past five years to be considered for award.

QUESTION # 10: Is an underground utility license acceptable?

RESPONSE #10: Yes, see response to Question # 9.

QUESTION # 11: Specifications section BID SUMMARY, page 9 of 12 and 10 of 12, par. D.1.11.1, this section requires the sod and seed material to be Pensacola BAHIA. Does the sod and seed have to be Pensacola Bahia or can Argentine Bahia sod and seed be used instead? Please clarify.

RESPONSE #11: **Pensacola or Argentine Bahia sod and seed are acceptable.**

QUESTION # 12: Regarding bid item no. D.1.9, LOADING OF EXCAVATED MATERIAL, instead of this being a lump sum item, the unit of measure should be by the day.

RESPONSE #12: **Item D.1.9.2 in the Bid Summary is revised as follows: All work under this Section shall be paid for under the Unit Price Pay Item under LOADING OF EXCAVATED MATERIAL Section of the Bid Form. Item D.1.9.1.1 on the Bid Form will be revised to show Unit as CYTM (cubic yards truck measure) and QTY as 175,000. See Addendum # 4 revised bid summary made part of this Addendum.**

QUESTION # 13: Please furnish a specification for the dust screen material.

RESPONSE #13: **The temporary dust screen material shall be a durable fabric mesh of 50 percent porosity, 8 feet high, and securely supported and anchored.**

QUESTION # 14: Please furnish a scope of what is to be expected for the Dust, Noise and Vibration Management Plan. The discussion at the meeting indicated the engineer has something that could be utilized for this purpose.

RESPONSE #14: Please refer to the objectives outlined for the Dust, Noise and Vibration Management Plan in Item D.1.5 of the Bid Summary.

QUESTION # 15: Establish a bid item with an arbitrary bid quantity for the removal and disposal of unsuitable material.

RESPONSE #15: Item D.1.8.2 in the Bid Summary is revised as follows: All work under this Section shall be paid for under the Lump Sum/Unit Price Pay Items under the EXCAVATION, MOUNDING, AND STOCKPILING Section of the Bid Form at the indicated schedule: See Addendum # 4 revised bid summary made part of this Addendum.

ITEM D.1.8.1.1 Excavation, Mounding, and Stockpiling
ITEM D.1.8.1.2 Disposal of Unsuitable Material

The Bid Form is revised to show:

Item D.1.8.1.1 Excavation, Mounding, and Stockpiling – Unit as LS and QTY as 1

Item D.1.8.1.2 Disposal of Unsuitable Material – Unit as Ton and QTY as 2,100.

Removal and disposal of unsuitable material shall be paid for under Item D.1.8.1.2 Disposal of Unsuitable Material. Contractor shall provide weight tickets (or other form of documentation acceptable to County) of the amount of unsuitable material that is removed from the project site. The cost of the removal, disposal and furnishing the disposal area shall be included in Item D.1.8.1.2 and no additional compensation will be given. If a dispute arises over classification of materials, the final determination shall be made by the County.

QUESTION # 16: Please review the issue of the terra-cotta field drainage tile and how the Contractor is to be paid for removal and disposal of this material, by screening, or what.

RESPONSE #16: **The drain tile material is to be considered unsuitable material. The Contractor will be responsible for the means and methods for removal and proper disposal of the unsuitable material. The Contractor will be responsible for the means and methods for the separation of unsuitable material and suitable material. Please refer to response in Item #15 above.**

Please note that within the Freshwater Pond area, all trees, brush, stumps, grass, roots, and other such protruding objects (including the existing plugged and abandoned well) shall be cut off and/or removed one-foot below the design finished grade of the excavated surface, and any boulders, existing facilities, or debris laying on the top of the existing surface or otherwise encountered during the clearing and grubbing shall be removed and properly disposed of off-site by the Contractor as part of Item D.1.7 CLEARING AND GRUBBING.

QUESTION # 17: Provide a specification and, bid item if necessary, for vibration monitoring and what is to be expected of the Contractor in this regard. Will vibration monitoring sensors be required and if so, what spacing and how many?

RESPONSE #17: **Please refer to the objectives outlined for the Dust, Noise and Vibration Management Plan in Item D.1.5 of the Bid Summary.**

QUESTION # 18: Provide a specification and bid item for videotaping the residences along the route of the access road for pre-existing conditions in order to minimize claims for structural damage, if any should occur.

RESPONSE #18: **Please refer to the objectives outlined for the Dust, Noise and Vibration Management Plan in Item D.1.5.1.1 of the Bid Summary. Documentation is at the discretion of the Contractor as described.**

QUESTION # 19: Please clarify the criteria for dewatering the 16 (sixteen) acre site and the discharge procedure for groundwater dewatering of the immediate 16 (sixteen) acre site, as discussed at the on-site meeting.

RESPONSE #19: County noted that the areas surrounding the north, west, and south sides of the freshwater pond project area are part of a current/on-going environmental restoration project and that dewatering discharge should not be directed to these areas.

As described in Note 6 on sheet 9 of 10 of the plans, "All construction dewatering (if necessary) shall be contained onsite and allowed to infiltrate the soil unless FDEP permitting is obtained for offsite discharge. All dewatering groundwater discharge shall be routed through a temporary sediment sump prior to discharge to wetlands, other surface water, or offsite. The general process of the dewatering system, as depicted herein shall be adhered to during construction. It shall be the responsibility of the Contractor to obtain all applicable approvals for any modifications he proposes."

As noted in Note 14 on sheet 9 of 10 of the plans, "Dewatering sediment sump shall be constructed as depicted in Figure 8 on sheet 10. Discharge shall be through a minimum 100' vegetated area."

As noted in Note 19 on sheet 1 of 10 of the plans, "If it is necessary for groundwater dewatering to discharge offsite, then the Contractor shall obtain all applicable permitting from the Florida Department of Environmental Protection (FDEP). The Contractor shall bear all responsibility and costs for obtaining and/or modifying all applicable permitting for the discharge of groundwater dewatering and for complying with all USACE, SWFWMD, and FDEP permitting conditions."

QUESTION # 20: Please provide bid items for message boards, signs, temporary signals, flaggers, off-duty law enforcement, or whatever is necessary for M.O.T.

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RESPONSE #20: The bid form has been revised and the following bid items have been provided:

- D.1.9.1.2** **Maintenance of Traffic (Off-site Hauling) – Except for items listed separately below, this item includes all items such as signage, and the implementation and maintenance thereof, required to safely maintain traffic with minimal inconvenience to the public. The item includes the cost of preparing and submitting for Owner and FDOT approval a Traffic Control Plan, which may include the use of applicable FDOT Design Standards 600 Series, amended as needed for the specific project requirements. Temporary signals will not be allowed.**

- D.1.9.1.3** **Traffic Control Officer – This item is to provide a uniformed traffic control officer, including marked law enforcement vehicle, to control and direct traffic in order to assist with the safe crossing of the construction related traffic (hauling operations) from the project site. The Owner and FDOT will assess traffic conditions on an ongoing basis during hauling operations to determine the need and/or required hours for a Traffic Control Officer.**

- D.1.9.1.4** **Flag Control – This item is to provide a flagger to assist the hauling vehicles to safely enter and/or leave the roadway. The flagger shall be properly trained and equipped to perform this task. The flagger shall either assist in the absence of a Traffic Control Officer, or if the Traffic Control Officer is on duty, the flagger shall provide support as directed by the officer.**

- D.1.9.1.5** **Portable Changeable Message Sign – This item is to provide two Portable Changeable Message Signs; one at each end of the proposed traffic control setup. The signs shall be used through the entire duration of the hauling operations to inform traffic of the activities. The messages shall be updated as needed. The signs shall be installed 7 days in advance of the commencement of activities to inform the public of the start date of the proposed activities and expected delays.**

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**Item D.1.9.2 PAYMENT in the Bid Summary will be revised specifically as follows:
 All work under this Section shall be paid for under the Unit Price Pay Items under
 LOADING OF EXCAVATED MATERIAL Section of the Bid Form.**

The Bid Form will be revised to show:

Item	Description	Unit	Qty
D.1.9	LOADING OF EXCAVATED MATERIAL		
D.1.9.1.1	Loading of Excavated Material (Truck Measure)	CYTM	175,000
D.1.9.1.2	Maintenance of Traffic (Off-site Hauling)	DA	180
D.1.9.1.3	Traffic Control Officer	MH	1,200
D.1.9.1.4	Flag Control	MH	2,400
D.1.9.1.5	Portable Changeable Message Sign	DA	187

QUESTION # 21: Please confirm who is responsible for moisture content of export earth fill material. This issue was discussed but is not included in specifications for the Rookery project.

RESPONSE #21: The Contractor shall ensure that moisture content of the export earth fill material shall be no greater than 10%. The County shall verify moisture content of export earth fill material that leaves the project site.

QUESTION # 22: Will Manatee County be providing geotechnical testing for the job?

RESPONSE #22: The Contractor shall be responsible for any required geotechnical testing of the constructed facilities. (parking lot and driveway)

QUESTION # 23: Specifications require a 3 (three) year warranty, a 1 (one) year warranty is automatic with the Performance Bond, will an additional 2 (two) year Warranty Bond be requested by the County of the apparent low bidder if awarded the project? Please clarify.

RESPONSE #23: Section C. 07 Warranty and Guarantee Provisions will stand for this project.

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QUESTION # 24: Please clarify who will be responsible for the removal of the existing silt fence at the perimeter of the Freshwater Pond site prior to installing the new perimeter silt fence.

RESPONSE #24: **The successful Contractor for this project will be responsible for the removal of any existing silt fence along the perimeter of The Rookery at Perico Preserve project site and the installation and maintenance of the new perimeter silt fence.**

07/17/2012

QUESTION # 25: Regarding the parking area, the detail on page 7 of 10 indicates #57 stone and the specs call for bank run shell. What material must be utilized?

RESPONSE #25: **The surface material for the parking area is 6" of #57 stone, rolled in place, as shown on sheet 7 of 10 of the construction plans.**

QUESTION # 26A: Loading of the excavated material: It is bid as a lump sum but paid on a per diem basis not to exceed 120 days. Several questions and concerns arise. Note: How many trucks/day will the County/off-site vendor provide?

RESPONSE #26A: **Coordination will be required between the awarded Contractor of The Rookery at Perico Preserve, the awarded Contractor of IFB# 12-1310OV (SWWRF Lake Filtration System and North Pond Improvements , Bradenton FL Project # 6079180) and Manatee County in weekly progress meetings.**

QUESTION # 26B: How many trucks will be available per day? Determine how many CY to be moved off site and pay by the cubic yard to dig and load out.

RESPONSE #26B: Item D.1.9.2 in the Bid Summary is revised as follows: All work under this Section shall be paid for under the Unit Price Pay Item under **LOADING OF EXCAVATED MATERIAL** Section of the Bid Form.

Item D.1.9.1.1 is a revision on the Bid Form and specifies Unit as CYTM (cubic yards truck measure) and Qty as 175,000.

Coordination will be required between the awarded Contractor of The Rookery at Perico Preserve, the awarded Contractor of IFB# 12-1310OV (SWWRF Lake Filtration System and North Pond Improvements , Bradenton FL Project # 6079180) and Manatee County in weekly progress meetings. Manatee County anticipates the commencement of loading of excavated material the last week of October 2012 to the first week of November 2012.

QUESTION # 27: The contract is allowing for 120 BUSINESS DAYS to load the fill material on the vendors trucks, this allotted time will consume 6 (six) months of time and will put the contract time beyond the January 1, 2013 completion date and the parking lot will not even be started. Please review the contract completion date and revise accordingly.

RESPONSE #27: The project completion date has been revised to show the contract shall be completed by June 1, 2013.

QUESTION # 28: Please confirm that burning of any clearing debris is allowed.

RESPONSE #28: As noted in item D.1.7.1 of the Bid Summary, burning may be permitted within the project limits provided the burning operation complies with all applicable laws, ordinances, and other agencies. All permits required shall be obtained by the Contractor prior to the start of burning and all permits regulations shall be strictly adhered to. All burning shall be done at locations designated by County where vegetation and soils adjacent to the cleared area will not be harmed.

QUESTION # 29: Will the discretionary pay item be utilized for any offsite road repairs that may be required for the trucks provided by the County/off-site vendor?

RESPONSE #29: The discretionary pay item will not be utilized for any offsite road repairs that may be required for off-site vendor trucks.

QUESTION # 30: Is it the intent to pay for the spreader swales within the parking area in the swale pay item?

RESPONSE #30: **The parking lot spreader swale construction including sodding should be included as part of the D.1.13 Parking Area (Complete) Lump Sum Pay Item.**

7/19/2012---Questions received

QUESTION # 31: The referenced bid #12-1926-DS Rookery at Perico Preserve is requiring only General Contractors.

RESPONSE #31: The Contractor (company supplying the bid) shall be licensed in Florida under the Department of Business and Professional Regulations as a Certified General Contractor, Certified Underground Utility and Excavation Contractor or Registered Contractor and be current and active. Bidders must have a minimum of three (3) years experience; with a minimum of three projects that have been awarded within the past five years to be considered for award.

7/24/12---Questions received

QUESTION # 32: Is there an acceptable alternate on this project for the Pensacola Bahia?

RESPONSE # 32: **Pensacola or Argentine Bahia sod and seed are acceptable.**

NOTE:

Item D.1.4.2 PAYMENT in the Bid Summary will be revised specifically as follows:

All work under this Section shall be paid for under the Lump Sum/ Unit Price Pay Items under EROSION AND TURBIDITY CONTROL Section of the Bid Form.

The Bid Form will be revised to show:

Item	Description	Unit	Qty
D.1.4.1.1	EROSION and TURBIDITY CONTROL	LS	1
D.1.4.1.2	STAKED SILT FENCE	LF	9,500

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Bidders: The Bid Form attached to the Addendum # 4 supersedes the originally issued Bid Form for this solicitation and must be used in submission of your bid in response to this Invitation For Bid. (2 pages)

Bidders must complete the entire Addendum # 4 Bid Form. The Bid Form must be executed by an authorized signatory who has the legal authority to make the offer and bind the company. Bidders must fully comply with all bid specifications, terms and conditions.

The Bid Summary attached to the Addendum # 4 supersedes the originally issued Bid Summary for this solicitation and must be used in preparing your submission of the your bid offering to the Invitation For Bid. (12 pages)

The Label attached to the Addendum # 4 supersedes the originally issued Label for this solicitation (note the new due date) and is provided to be used in submission of your bid offering. (1 page)

An additional Addendum will be forth coming.

If you have submitted a bid prior to receiving this addendum, you may request in writing that your original, sealed bid be returned to your firm. All sealed bids received will be opened on the date stated.

The deadline for submitting sealed Bids at the Manatee County Purchasing Division, 1112 Manatee Avenue West, Suite 803, Bradenton, Florida 34205 has been extended.

The new bid opening will be until 2:00 pm on September 14, 2012.

END ADDENDUM # 4

Sincerely,



Melissa M. Wendel, CPPO
Purchasing Official
Purchasing Division

/ds (Attachments: New Bid Form, New Bid Summary, and New Label)

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BID FORM
(submit in triplicate)
IFB# 12-1926-DS
THE ROOKERY AT PERICO PRESERVE
MUST BE COMPLETED ON OR BEFORE JUNE 1, 2013
ADDENDUM # 4

ITEM NO.	DESCRIPTION	UNIT	QTY.	UNIT PRICE (\$)	EXTENDED PRICE (\$)
D.1.1	MOBILIZATION	LS	1	\$	\$
D.1.2	MISCELLANEOUS PERMITS AND BONDING	LS	1	\$	\$
D.1.3	CONSTRUCTION SURVEYING AND STAKEOUT (INCLUDING RECORD DRAWINGS)	LS	1	\$	\$
D.1.4	EROSION AND TURBIDITY CONTROL				
D.1.4.1.1	EROSION AND TURBIDITY CONTROL (ADDENDUM # 4)	LS	1	\$	\$
D.1.4.1.2	STAKED SILT FENCE (ADDENDUM # 4)	LF	9,500	\$	\$
D.1.5	CONSTRUCTION NOISE, VIBRATION, AND DUST MANAGEMENT				
D.1.5.1.1	CONSTRUCTION NOISE, VIBRATION, AND DUST MANAGEMENT	LS	1	\$	\$
D.1.5.1.2	TEMPORARY DUST CONTROL SCREEN	LF	1,000	\$	\$
D.1.6	FDOT DRIVEWAY CONNECTION (COMPLETE)	LS	1	\$	\$
D.1.7	CLEARING AND GRUBBING	LS	1	\$	\$
D.1.8	EXCAVATION, MOUNDING, AND STOCKPILING				
D.1.8.1.1	EXCAVATION, MOUNDING AND STOCKPILING (ADDENDUM # 4)	LS	1	\$	\$
D.1.8.1.2	DISPOSAL OF UNSUITABLE MATERIAL (ADDENDUM # 4)	Ton	2,100	\$	\$
D.1.9	LOADING OF EXCAVATED MATERIAL (ADDENDUM #4)				
D.1.9.1.1	LOADING OF EXCAVATED MATERIAL (Truck Measure) (ADDENDUM #4)	CYTM	175,000	\$	\$
D.1.9.1.2	MAINTENANCE OF TRAFFIC (OFF-SITE HAULING) (ADDENDUM # 4)	DA	180	\$	\$
D.1.9.1.3	TRAFFIC CONTROL OFFICER (ADDENDUM # 4)	MH	1,200	\$	\$

BIDDER: _____

AUTHORIZED SIGNATURE: _____

BID FORM
 (submit in triplicate)
 IFB# 12-1926-DS
 THE ROOKERY AT PERICO PRESERVE
 MUST BE COMPLETED ON OR BEFORE JUNE 1, 2013
 ADDENDUM # 4

ITEM NO.	DESCRIPTION	UNIT	QTY.	UNIT PRICE (\$)	EXTENDED PRICE (\$)
D.1.9.1.4	FLAG CONTROL (ADDENDUM # 4)	MH	2,400	\$	\$
D.1.9.1.5	PORTABLE CHANGEABLE MESSAGE SIGN (ADDENDUM # 4)	DA	187	\$	\$
D.1.10	FINISHED GRADING	LS	1	\$	\$
D.1.11	SODDING, HYDRO-SEEDING, SEEDING AND MULCHING				
D.1.11.1.1	SODDING	SY	890	\$	\$
D.1.11.1.2	HYDRO-SEEDING/MULCHING	SY	9,240	\$	\$
D.1.11.1.3	SEEDING AND MULCHING	SY	19,180	\$	\$
D.1.12	SWALE CONSTRUCTION (INCLUDES SODDING)	LF	190	\$	\$
D.1.13	PARKING AREA (COMPLETE)	LS	1	\$	\$
	DISCRETIONARY AMOUNT	LS	1	\$	\$ 110,850.00
PROJECT TOTAL					\$

(ADDENDUM #4) SCHEDULING NOTE: Construction is to begin within 10 calendar days from issuance of the Notice to Proceed, and must be completed before June 1, 2013.

BIDDER: _____

AUTHORIZED SIGNATURE: _____

**IFB# 12-1926-DS
THE ROOKERY AT PERICO PRESERVE**

BID SUMMARY (ADDENDUM # 4)

D.1 THE WORK (addendum # 4)

The work included in this contract consists of the construction associated with the implementation of a habitat enhancement project entitled The Rookery at Perico Preserve as shown on the Construction Plans prepared by WilsonMiller Stantec dated April 2012 (revision date May 18, 2012) (Construction Plans).

The work includes earthwork, surveying, best management practices, construction of a new paved driveway, and construction of a freshwater pond within Rookery Island, construction of a new parking area, and restoration and re-vegetation of the temporary access, staging, and stockpiling areas.

It shall be the Contractor's responsibility to obtain and/or verify existence of all necessary permits prior to commencing construction. The Contractor shall be responsible for obtaining any permits not furnished by owner and the costs should be reflected in the Contractor's bid.

The information provided in the Construction Plans and this Bid Summary is solely to assist the Contractor in assessing the nature and extent of the conditions that may be encountered during the completion of the work. Prior to bidding, all Contractors are directed to conduct any necessary investigations to arrive at their own conclusions regarding the actual conditions that may be encountered and shall base their bids on those conclusions.

The work consists of all items as indicated on the Construction Plans plus those items of construction not indicated but considered normal, necessary, and usual in the construction industry for construction of a project of this scope.

The Contractor shall furnish all shop drawings, working drawings, labor, materials, equipment, tools, services and incidentals necessary to complete all work required by these Specifications, and as shown on the Construction Plans. The Contractor shall perform the work complete, in place and ready for continuous service and shall include any repairs, replacements, and/or restoration required because of damages caused prior to acceptance by the County.

D.1.1 MOBILIZATION

D.1.1.1 DESCRIPTION OF WORK

The work included under this Section consists of the preparatory work and operations in mobilizing to begin work on the project. This may include those operations necessary for the movement of personnel, equipment, supplies, and incidentals to the project site and for the establishment of temporary offices, safety equipment and first aid supplies, and sanitary and other facilities/utilities. This item also includes demobilization of all equipment, personnel, supplies and incidentals from the project site upon final completion.

PAYMENT

All work specified under this Section shall be paid for under the Lump Sum Pay Item and in accordance with the following schedule:

Percent of Total Contract Amount Earned	Allowable Percent of the Lump Sum Price for Mobilization
5	25
10	50
25	75
100	100

D.1.2 MISCELLANEOUS PERMITS AND BONDING

D.1.2.1 DESCRIPTION OF WORK

The work included under this Section includes obtaining any miscellaneous permits not furnished by the owner (including any required permit fees). These permits may include, but are not limited to, NPDES permits, dewatering permits, right-of-way use permits and burn permits, if required.

The Contractor shall also be responsible for the preparation of a Stormwater Pollution Prevention Plan and submittal of NPDES Notice of Intent and Notice of Termination pursuant to State NPDES permitting requirements. The Contractor shall provide a Stormwater Pollution Prevention Plan to Engineer and the County prior to commencing construction. The Contractor shall be responsible for the implementation of the NPDES and related stormwater pollution prevention plan for the duration of the project.

In addition, the Contractor shall also obtain any required temporary dewatering permits through the Florida Department of Environmental Protection (FDEP), if required, and shall provide copies to the County and Engineer.

The Contractor shall have copies of all permits readily accessible on-site. The Contractor shall be responsible for adhering to all applicable permit conditions.

The cost of any bonds required by the County as part of this contract shall also be included under this Section.

D.1.2.2 PAYMENT

All work under this Section shall be paid for under the Unit Price Pay Item: MISCELLANEOUS PERMITS AND BONDING Section of the Bid Form.

D.1.3 CONSTRUCTION SURVEYING AND STAKEOUT (INCLUDING RECORD DRAWINGS)

D.1.3.1 DESCRIPTION OF WORK

The work included under this Section includes all survey related services needed to complete the construction of the project. The Contractor shall employ a Land Surveyor registered in the State of Florida and acceptable to the County to perform survey functions on this project. The Contractor shall provide the name, address, and telephone number of the Surveyor before starting survey work.

The Surveyor shall maintain a complete and accurate log of control and survey work as it progresses. Contractor shall locate and protect survey control and reference points prior to starting work.

Surveyor shall establish a minimum of two permanent benchmarks on-site, referenced to established control points. The benchmark locations, with horizontal and vertical data, shall be provided on project documents. Surveyor shall sign field notes or keep duplicate field notes.

Upon completion of finished grading and prior to initiation of seeding and/ or sodding, the Contractor's Surveyor shall provide preliminary as-built project drawings and CAD file of the finished grade elevations of the freshwater pond/rookery island area, restored staging/access/stockpile areas, and parking area to the Engineer and the County for review and approval confirming adherence with the Construction Plans.

The Contractor's Surveyor shall also provide accurate, detailed and complete signed and sealed record drawings (12 sets), mylars, and one CD containing CAD files of all record drawings sheets to the Engineer and the County. The record drawing shall be signed and sealed by a Florida registered Land Surveyor. The record drawings shall meet or exceed the requirements of the Florida Department of Transportation (FDOT), Southwest Florida Water Management District (SWFWMD), and Manatee County.

D.1.3.2 PAYMENT

All work under this Section shall be paid for under the Lump Sum Pay Item: CONSTRUCTION SURVEYING AND STAKEOUT (INCLUDING RECORD DRAWINGS) Section of the Bid Form.

D.1.4 EROSION AND TURBIDITY CONTROL

D.1.4.1 DESCRIPTION OF WORK

The work included under this Section consists of furnishing all necessary labor, equipment, tools and materials associated with erosion and turbidity control needed throughout the construction of the project. Contractor shall be responsible to erect all required erosion control devices (BMPs) prior to the start of construction. Prior to the installation of the erosion control devices, the Contractor shall contact the Manatee County Building and Development Services Department - Environmental Planning Division to schedule and confirm the required inspections of the erosion control devices for the project.

The Contractor shall re-establish, at no additional expense to the County, all erosion and turbidity control, or Sections thereof, which may become damaged, destroyed or otherwise rendered unsuitable for their intended function during the construction of the project. The Contractor shall, at their expense, provide routine maintenance of permanent and temporary erosion control features until the project is completed and accepted. If such erosion control features must be reconstructed due to the Contractor's negligence or carelessness or, in the case of temporary erosion control features, failure by the Contractor to install permanent erosion control features as scheduled, such replacement shall be at the Contractor's own expense. The work specified under this Section shall include the installation, re-establishment and maintenance of all required erosion and turbidity control devices, all other work required to minimize turbidity in downstream waters, and the removal of all such temporary erosion control facilities upon completion of the project.

D.1.4.2 PAYMENT (addendum # 4)

All work under this Section shall be paid for under the Lump Sum/Unit Price Pay Items listed under the EROSION AND TURBIDITY CONTROL Section of the Bid Form at the indicated schedule:

ITEM D.1.4.1.1 Erosion and Turbidity Control

ITEM D.1.4.1.2 Staked Silt Fence

D.1.5 CONSTRUCTION NOISE, VIBRATION, AND DUST MANAGEMENT

D.1.5.1 DESCRIPTION OF WORK

The work included in this Section shall consist of the preparation and submittal to the County: a Construction Noise, Vibration, and Dust Management Plan, furnishing all labor, materials, and testing necessary for the implementation, operation and maintenance, and removal of temporary facilities of the Management Plan described in this Section and the Construction Plans (see sheets 5, 6, and 9 of the Construction Plans).

Due to the close proximity of the proposed haul route and temporary staging/stockpile area to existing residences, the Contractor will be required to prepare and submit a Construction Noise, Vibration, and Dust Management Plan. It is important that the Contractor notes that residents will be more aware of vibration in their homes if it is accompanied by related noise. It is the Contractors responsibility to mitigate both noise and vibration caused by the proposed construction activities. Dust control will also be included in the Management Plan.

The plan shall provide information on how the Contractor plans on managing the haul operations in regard to potential dust, noise and vibration caused by the construction and hauling equipment. The Contractor shall include the necessary schedule for grading of the haul route on a regular basis to prevent "washboard" effect that causes vibration and associated noise. The Contractor shall enforce an acceptable speed limit on the haul routes, which will be adjusted as directed by the County. It is recommended that the haul route be located along the west edge of the area designated "ACCESS/STAGING AREA" to increase the distance from the residences as much as possible.

The Contractor should be prepared to meet with any residents who might have concerns about construction related vibrations and mitigate any reasonable concerns immediately. Mitigation might include video/photographic evidence of pre and post conditions of the interior and exterior conditions of residences. Conditions might include, but are not limited to cracks, spalling, settlement, flooding, or leaking.

Construction hours shall be limited to pre-approved work hours to limit noise complaints from residents. Dump trucks will not be allowed to slam their gates when lowering the beds in order to clean off stuck material. Trucks will not be allowed to use compression brakes when using the haul route in the vicinity of the residences.

The Contractor shall apply water via wet suppression to the haul route and staging/stockpile areas on an as-need basis to mitigate fugitive dust. Several applications per day may be necessary to control dust depending upon meteorological conditions and work activity. Contractor shall apply wet suppression on a routine basis as necessary or directed by the County to control dust.

Wet suppression consists of the application of water. Petroleum products, salty or brackish water for dust suppression shall not be used. Wet suppression equipment shall consist of sprinkler pipelines, tanks, tank trucks, or other devices capable of providing regulated flow, uniform spray, and positive shut-off.

During excavation, loading, and unloading operations, the free drop height of excavated or aggregate material shall be reduced as practical to minimize the generation of dust. During transport operations, freeboard space shall be maintained between the material load and the top of the truck cargo bed rail to minimize the potential for spills.

Vehicles leaving the construction site shall have no mud or dirt on the vehicle body or wheels. A temporary construction entrance and wheel-wash station shall be provided by Contractor if necessary. Haul truck cargo areas shall be securely covered during material transport on public roadways. Vehicle mud and dirt carryout, material spills, and soil wash-out onto public roadways and walkways and other paved areas shall be cleaned up immediately. Contractor is responsible for daily clean-up of public roadways and walkways affected by work of this project.

In addition, Contractor shall provide a temporary dust control screen directly adjacent to the silt fence in location as shown on the Construction Plans(sheet 9 of the Construction Plans) to minimize the spread of dust. The temporary dust control screen shall be a durable fabric mesh of 50 percent porosity, 8 feet high, and securely supported and anchored. The Contractor shall keep temporary dust control screen in good repair for duration of the project.

Contractor shall also be responsible for removal and proper disposal of all temporary noise, vibration, and dust management materials and debris at the completion of the project at no additional cost.

D.1.5.2 PAYMENT

All work under this Section shall be paid for under the Lump Sum/Unit Price Pay Items under the CONSTRUCTION NOISE, VIBRATION, AND DUST MANAGEMENT Section of the Bid Form at the indicated schedule:

ITEM D.1.5.1.1 Construction Noise, Vibration, and Dust Management
ITEM D.1.5.1.2 Temporary Dust Control Screen

D.1.6 FDOT DRIVEWAY CONNECTION (COMPLETE)

D.1.6.1 DESCRIPTION OF WORK

The work included in this Section shall consist of furnishing all equipment, labor, materials, and testing necessary to prepare the work area for construction (including but not limited to: clearing and grubbing, removal of affected segment of existing concrete sidewalk, and proper disposal of debris) and complete the construction of the proposed driveway and appurtenant facilities per the Construction Plans and in accordance with current FDOT specifications and requirements.

Contractor shall notify all utility companies or utility owners, both public and private, of their intent to perform such work and coordinate field location of utility lines prior to commencement of construction. Locating existing aboveground or underground utilities and protection of these facilities shall be the responsibility of the Contractor. In the event of any utility conflict, the Contractor shall immediately inform the utility company, the County and the Engineer of the conflict. Contractor shall at Contractor's expense be responsible for the repair of any utilities damaged during construction.

Contractor shall provide all necessary pedestrian and traffic controls for work within the FDOT right-of-way in accordance with the current edition of the FDOT Design Standard Indexes (600 Series), FDOT Standard Specifications for Road and Bridge Construction, and the Federal Highway Administration Manual of Uniform Traffic Control Devices (MUTCD).

Unless otherwise noted on the Construction Plans, proposed fill shall be compacted in 12 inch lifts-maximum to 95% Maximum Density in accordance with AASHTO T-180.

All disturbed areas within the FDOT right-of-way shall be sodded with Pensacola Bahia (*Paspalum notatum* Flugge) sod. It shall be well matted with roots. The sod shall be taken up in commercial-size rectangles preferably 12 by 24 inches. The sod shall be sufficiently thick to secure a dense stand of live turf with a minimum thickness of two inches. The sod shall be live, fresh and uninjured, at the time of planting. It shall have a soil mat of sufficient thickness adhering firmly to the roots to withstand necessary handling. It shall be planted within 48 hours after being cut and kept shaded and moist from the time it is cut until it is planted. The sod shall be firmly embedded by light tamping. No sod which has been cut for more than 48 hours may be used unless specifically authorized. A letter of certification from the turf supplier as to when the sod was cut shall be provided if requested. Immediately before sod is placed, fertilizer shall be applied evenly at the equivalent rate of approximately 20 pounds of 6-6-6 per 1,000 square feet and shall be cut into the soil with suitable equipment. After the sod has been placed, it shall be thoroughly watered with fresh water. Sodding includes maintaining sod until growth is established. All erosion, siltation and maintaining grades are the responsibility of the Contractor until the root system has adequately "survived" and taken "hold". Finished elevations shown on the Construction Plans are top of sod.

The Contractor shall take the necessary precautions to prevent erosion of the slopes before and after finish grading. Any erosion of whatever consequence shall be repaired at the expense of the Contractor until final acceptance of the project.

D.1.6.2 PAYMENT

All work under this Section shall be paid for under the Lump Sum Pay Item: FDOT DRIVEWAY CONNECTION (COMPLETE) Section of the Bid Form.

D.1.7 CLEARING AND GRUBBING

D.1.7.1 DESCRIPTION OF WORK

The work included under this Section consists of clearing and grubbing within the Freshwater Pond and Staging/ Temporary Stockpiles/ Access Areas.

All trees, brush, stumps, grass, roots, and other such protruding objects in the Freshwater Pond area shown on the Construction Plans shall be removed and properly disposed of by the Contractor to prepare the area for the proposed construction. All roots, stumps, or other such protruding objects (including the existing plugged and abandoned well shown on the Construction Plans) shall be cut off and/or removed one-foot below the design finished grade of the excavated surface. Any boulders, existing facilities, or debris laying on the top of the existing surface or otherwise encountered during the clearing and grubbing shall be removed and properly disposed of off-site by the Contractor.

The Staging/ Temporary Stockpiles/ Access Area shall be mowed and all trees (except as noted on the Construction Plans), brush, stumps, and other such protruding objects shall be removed and properly disposed of by the Contractor to prepare the area for the proposed construction activities. The Contractor shall also erect a tree protection barricade around the drip line (± 160 LF) of the existing Ficus tree as shown on the Construction Plans. The Contractor shall maintain the tree protection barricade for the duration of the project and shall be responsible for the removal and proper disposal of the barricade at the completion of the project.

The Contractor shall notify all utility companies or utility owners (both public and private) of their intent to perform such work and shall coordinate field locations of utility lines prior to commencement of construction.

The Contractor shall obtain all permits/approvals necessary for proper disposal at Contractor's expense. Unless otherwise stated in the Contract Documents, burning may be permitted within the project limits provided the burning operation complies with all applicable laws, ordinances, and other regulatory agencies. All permits required shall be obtained by the Contractor prior to the start of burning and all permit regulations shall be strictly adhered to. All burning shall be done at locations designated by County where vegetation and soils adjacent to the cleared area will not be harmed. Material/debris not burned onsite shall be removed and properly disposed of offsite by the Contractor at Contractor's expense.

D.1.7.2 PAYMENT

All work under this Section shall be paid for under the Lump Sum Pay Item: CLEARING AND GRUBBING Section of the Bid Form.

D.1.8 EXCAVATION, MOUNDING, AND STOCKPILING

D.1.8.1 DESCRIPTION OF WORK

The work included under this Section consists of excavation to occur within the Freshwater Pond and Staging/ Temporary Stockpiles/ Access Areas as shown on the Construction Plans. Contractor shall include any excavation (and temporary dewatering if necessary) work necessary to complete the Freshwater Pond area.

Included in the excavation under this Section are materials of whatever nature encountered within the required limits of excavation. Determination of sub-surface conditions and its effect on construction costs are the sole responsibility of the Contractor. Sub-surface conditions between soil borings that may be provided can vary greatly from those conditions found at the location where the sample was extracted.

Contractor shall notify all utility companies or utility owners, both public and/or private of their intent to perform such work and coordinate field location of utility lines prior to commencement of construction. Locating existing underground utilities shall be the responsibility of the Contractor. In the event of any utility conflict, the Contractor shall immediately inform the utility company, the County and the Engineer of the conflict. Contractor at Contractor's expense shall be responsible for the immediate repair of any utility lines damaged during construction.

Excavation shall consist of excavation of all material necessary for construction of the Freshwater Pond area according to the depths, dimensions, side slopes, and in the locations shown in the Construction Plans. Contractor shall be responsible for any investigation of sub-surface conditions and subsequent determination of the amount of rock, roots, and other materials to be incorporated into Contractor's cost.

Mounding shall consist of the supply, placement and installation of filter fabric and large washed shell on the Rookery Island within the Freshwater Pond area according to the depths, dimensions, side slopes, elevations and locations as specified in the Construction Plans.

It shall also include the loading, hauling and stockpiling of suitable excavated materials from the excavation area to an on-site Staging/ Temporary Stockpile Areas as shown on the Construction Plans and establishment of Staging / Temporary Stockpile Area for loading onto offsite vendor trucks.

Contractor shall be responsible for the maintenance and repair of the Access Route and Staging/ Temporary Stockpile Areas for the duration of the project. Contractor shall also be responsible for protection of the existing underground stormwater facilities within these areas from damage and shall repair or replace damaged facilities at no additional cost.

Disposal of Suitable Surplus Materials: Ownership of all suitable excavated materials shall be retained by the County unless otherwise stated in the Contract Documents.

Disposal of Unsuitable Materials: Material such as silt, clay, peat, muck, highly organic soils, or other deleterious materials shall be classified as "unsuitable" unless otherwise specified or classified by the County. Unsuitable excavated material shall become the property of the Contractor to be properly disposed of outside the project limits. The cost of the disposal and furnishing the disposal area shall be included in the item requiring excavation and no additional compensation will be given. If a dispute arises over the classification of materials, the final determination shall be made by the County.

Unless otherwise stated in the Contract Documents, the operating hours are for the excavation/stockpiling/hauling shall be 7:00 AM to 5:00 PM Monday through Friday.

D.1.8.2 PAYMENT (Addendum # 4)

All work under this Section shall be paid for under the Lump Sum/Unit Price Pay Item: EXCAVATION, MOUNDING, AND STOCKPILING Section of the Bid Form. at the indicated schedule:

ITEM D.1.8.1.1 Excavation, Mounding, and Stockpiling

ITEM D.1.8.1.2 Disposal of Unsuitable Material

D.1.9 LOADING OF EXCAVATED MATERIAL (addendum # 4)

D.1.9.1 DESCRIPTION OF WORK

Contractor shall be responsible for coordination with an off-site vendor for loading of suitable excavated material onto trucks (per County instruction) and the proper off-site disposal of unsuitable materials within the designated Staging/ Temporary Stockpile Areas. Contractor's coordination with the off-site vendor shall include the establishment of Staging and Stockpile Area and for efficient truck routes within the Staging/ Temporary Stockpile Areas that will minimize truck movements within the site to the greatest extent possible.

Contractor's coordination with the off-site vendor shall include the establishment of efficient truck routes within the Staging/ Temporary Stockpile Areas that will minimize truck movements within the site to the greatest extent possible.

Contractor shall also be responsible for providing all necessary equipment and labor (including maintenance of traffic coordinator) for loading activities, coordination and implementation of the Maintenance of Traffic Plan (in accordance with FDOT Design Standard Indices 600) for the off-site hauling activities for the project.

Unless otherwise stated in the Contract Documents, operating hours shall be 7:00 AM to 5:00 PM Monday through Friday, with a completion date of June 1, 2013.

D.1.9.2 PAYMENT (Addendum # 4)

All work under this Section shall be paid for under the Unit Price Pay Item under **LOADING OF EXCAVATED MATERIAL** Section of the Bid Form. Item D.1.9 on the Bid Form will be revised and the following bid items have been provided:

- D.1.9.1.1 Loading of Excavated Material
- D.1.9.1.2 Maintenance of Traffic (Off-Site Hauling)
- D.1.9.1.3 Traffic Control Officer
- D.1.9.1.4 Flag Control
- D.1.9.1.5 Portable Changeable Message Sign

D.1.10 FINISHED GRADING

D.1.10.1 DESCRIPTION OF WORK

The work included under this Section consists of all finished grading required to achieve the design elevations within the Freshwater Pond, Staging/ Temporary Stockpiles/ Access Areas as shown on the Construction Plans. As a final grading operation the surface of the earthwork shall be shaped to conform to the lines, grades, and contours shown on the Construction Plans. Hand dressing will be required in confined areas where equipment operation is restricted or where the equipment finished surface is unsatisfactory in the judgment of the County. It shall also include restoring (re-grading) the Staging/ Temporary Stockpile/ Access Areas to existing pre-construction grades upon completion of pond construction and stockpile removal activities. The Contractor shall be responsible for the removal and proper disposal of surplus material upon completion of finished grading.

The Contractor shall take the necessary precautions to prevent erosion of the slopes before and after finish grading. Any erosion of whatever consequence shall be repaired at the expense of the Contractor until final acceptance of the project.

In final shaping of the surface of earthwork (a.k.a. finished grade), a tolerance of 0.1 foot above or below the plan elevations and contours will be allowed. Final grading will be field verified prior to any planting.

D.1.10.2 PAYMENT

All work under this Section shall be paid for under the Lump Sum Pay Item: FINISHED GRADING Section of the Bid Form.

D.1.11 SODDING, HYDRO-SEEDING, SEEDING AND MULCHING

D.1.11.1 DESCRIPTION OF WORK

The work included under this Section consists of sodding, hydro-seeding/ mulching, and seeding and mulching within the Freshwater Pond, Staging/ Temporary Stockpile/ Access Areas upon completion of finish grading activities in conformity with the lines and grades as shown of the Construction Plans.

Pensacola Bahia (*Paspalum notatum* Flugge) sod shall be used on areas to be sodded. It shall be well matted with roots. The sod shall be taken up in commercial-size rectangles preferably 12 by 24 inches. The sod shall be sufficiently thick to secure a dense stand of live turf with a minimum thickness of two inches. The sod shall be live, fresh and uninjured, at the time of planting. It shall have a soil mat of sufficient thickness adhering firmly to the roots to withstand necessary handling. It shall be planted within 48 hours after being cut and kept shaded and moist from the time it is cut until it is planted. The

sod shall be firmly embedded by light tamping. No sod which has been cut for more than 48 hours may be used unless specifically authorized. A letter of certification from the turf supplier as to when the sod was cut shall be provided if requested. Immediately before sod is placed, fertilizer shall be applied evenly at the equivalent rate of approximately 20 pounds of 6-6-6 per 1,000 square feet and shall be cut into the soil with suitable equipment. After the sod has been placed, it shall be thoroughly watered with freshwater. Sodding includes maintaining sod until growth is established. All erosion, siltation and maintaining grades are the responsibility of the Contractor until the root system has adequately "survived" and taken "hold".

The areas to be hydro-seeded/mulched shall be clean earth, free of tree limbs, stumps, roots, rocks, etc. The proportions of seed, fertilizer, and mulch used in the slurry shall be as follows unless otherwise approved/directed by County:

- Annual Ryegrass (*Lolium perenne*) or BrownTop Millet (*Urochloa ramosa*) seed at 40 pounds per acre.
- Scarified Pensacola Bahia seed at 100 pounds per acre.
- Fertilizer at the equivalent rate of 10 pounds of 6-6-6 per 1,000 square feet.
- Mulch material at a rate of 1,000 pounds of mulch material per acre, when the moisture content of the "air dry" mulch does not exceed ten percent.

All seed shall meet the requirements of the Florida Department of Agriculture and Consumer Services. The mulch material shall be wood cellulose fiber material for use in hydro-seeding slurry especially prepared for this purpose and shall contain no growth-inhibiting or germination-inhibiting factors and shall be dyed an appropriate color for readily determining the rate of spread by visual observation. The application of the slurry over the seeding areas shall be in accordance with the direction of the manufacturer of the hydro-seeding equipment. The slurry mixture shall be maintained uniform by continuous agitation during the application. The Contractor shall be responsible for watering (salty or brackish water shall not be used) the hydro-seeding areas so as to provide optimum growth conditions for the establishment of the grass. In no case shall the period of maintaining such moisture be less than four weeks following planting.

The areas to be seeded and mulched shall have the ground over which the seed is to be sown prepared by disking and thoroughly pulverizing the soil to a suitable depth. The prepared soil shall be loose and reasonably smooth and reasonably free of large clods, roots, and other material which will interfere with the work or subsequent mowing and maintenance operations. The proportions of seed and fertilizer shall be as follows unless otherwise approved/ directed by County:

- Annual Ryegrass or BrownTop Millet seed at 30 pounds per acre.
- Scarified Pensacola Bahia seed at 150 pounds per acre.
- Fertilizer at 500 pounds of 12-8-8 per acre.

Immediately after the fertilizer is spread, it shall be mixed with the soil to a depth of approximately four inches. While the soil is still loose and moist, the seed shall be scattered uniformly over the grassing area. When mulching, approximately two inches, loose thickness, of the mulch material shall be applied uniformly over the seeded area, and the mulch material cut into the soil uniformly to produce a loose mulched thickness of three to four inches. Care shall be exercised that the materials are not cut too deeply into the soil. Unless otherwise approved/directed by the County, the mulch material used shall be dry mulch and shall consist of oat or rye straw or peanut or Bahia grass hay. Only undeteriorated mulch which can readily be cut into the soil shall be used. Immediately after completion of the seeding/mulching, the entire grassed/mulched area shall be rolled thoroughly. At least two trips over the entire area will be required. The Contractor shall be responsible for watering (salty or brackish water shall not be used) the seeded areas to provide optimum growth conditions for the establishment of the grass. In no case shall the period of maintaining such moisture be less than two weeks following planting.

Fertilizers used shall be commercial fertilizers that comply with the state/local fertilizer laws.

The Contractor shall, at their expense, maintain the seeded, hydro-seeded, planted or sodded areas in a satisfactory condition until final acceptance or completion of the project, whichever occurs last. Such maintenance shall include the filling, leveling and repairing of any washed-out or eroded areas, equipment damaged areas, etc. The County may require re-seeding, re-planting or re-sodding of any areas in which establishment of the grass stand does not appear to be developing satisfactorily (e.g. browning or dead spots) within sixty days following planting (or replanting). Replanting or replacement shall be at the Contractor's expense.

D.1.11.2 PAYMENT

All work under this Section shall be paid for under the Unit Price Pay Items under the EARTHWORK Section of the bid form at the following schedule:

- ITEM D.1.11.1.1 Sodding
- ITEM D.1.11.1.2 Hydro-Seeding/Mulching
- ITEM D.1.11.1.3 Seeding and Mulching

D.1.12 SWALE CONSTRUCTION (INCLUDES SODDING)

D.1.12.1 DESCRIPTION OF WORK

The work included under this Section consists of the clearing and grubbing, excavating, hauling, finished grading, and sodding of the swale (approximately 190 linear feet) along the east side of the Parking Area as indicated on the Construction Plans. Finished elevations shown on the Construction Plans are top of sod.

Swales are to be sodded using Pensacola Bahia sod. It shall be well matted with roots. The sod shall be taken up in commercial-size rectangles preferably 12 by 24 inches. The sod shall be sufficiently thick to secure a dense stand of live turf with a minimum thickness of two inches. The sod shall be live, fresh and uninjured, at the time of planting. It shall have a soil mat of sufficient thickness adhering firmly to the roots to withstand necessary handling. It shall be planted within 48 hours after being cut and kept shaded and moist from the time it is cut until it is planted. The sod shall be firmly embedded by light tamping. No sod which has been cut for more than 48 hours may be used unless specifically authorized. A letter of certification from the turf supplier as to when the sod was cut shall be provided if requested. Immediately before sod is placed, fertilizer shall be applied evenly at the equivalent rate of approximately 20 pounds of 6-6-6 per 1,000 square feet and shall be cut into the soil with suitable equipment. After the sod has been placed, it shall be thoroughly watered with freshwater. Sodding includes maintaining sod until growth is established. All erosion, siltation and maintaining grades are the responsibility of the Contractor until the root system has adequately "survived" and taken "hold".

D.1.12.2 PAYMENT

All work under this Section shall be paid for under the Unit Price Pay Item (LF) (Linear Foot): SWALE CONSTRUCTION (INCLUDES SODDING) Section of the Bid Form.

D.1.13 PARKING AREA (COMPLETE)

D.1.13.1 DESCRIPTION OF WORK (Addendum # 4)

The work included in this Section shall consist of furnishing all equipment, labor, and materials necessary to prepare the Parking Area for construction (including clearing and

grubbing and proper disposal of surplus material and debris) and complete the construction of the proposed Parking Area and appurtenant facilities per the Construction Plans and details. It shall also include the supply and installation of the wheel stops (and anchors), concrete handicap space construction (including signing and striping), 14' wide metal gate (installed - including posts, chain, and hinges), and sodding as shown on the Construction Plans.

Unless otherwise noted on the Construction Plans, the material within the Parking Area shall be 6-inches of #57 stone, rolled in place. Unless otherwise noted on the Construction Plans, all other fill areas outside of the stabilized subgrade within the Parking Area shall be compacted in 12" lifts-maximum to 95% maximum density in accordance with AASHTO T-180.

All disturbed areas, side slopes, and swales within the Parking Area shall be sodded with Pensacola Bahia sod. It shall be well matted with roots. The sod shall be taken up in commercial-size rectangles preferably 12 by 24 inches. The sod shall be sufficiently thick to secure a dense stand of live turf with a minimum thickness of two inches. The sod shall be live, fresh and uninjured, at the time of planting. It shall have a soil mat of sufficient thickness adhering firmly to the roots to withstand necessary handling. It shall be planted within 48 hours after being cut and kept shaded and moist from the time it is cut until it is planted. The sod shall be firmly embedded by light tamping. No sod which has been cut for more than 48 hours may be used unless specifically authorized. A letter of certification from the turf supplier as to when the sod was cut shall be provided if requested. Immediately before sod is placed, fertilizer shall be applied evenly at the equivalent rate of approximately 20 pounds of 6-6-6 per 1,000 square feet and shall be cut into the soil with suitable equipment. After the sod has been placed, it shall be thoroughly watered with freshwater. Sodding includes maintaining sod until growth is established. All erosion, siltation and maintaining grades are the responsibility of the Contractor until the root system has adequately "survived" and taken "hold". Finished elevations shown on the Construction Plans are top of sod.

The Contractor shall take the necessary precautions to prevent erosion of the slopes before and after finish grading. Any erosion of whatever consequence shall be repaired at the expense of the Contractor until final acceptance of the project.

Contractor shall notify all utility companies or utility owners, both public and/or private, of their intent to perform such work and coordinate field location of utility lines prior to commencement of construction. Locating existing aboveground or underground utilities and protection of these facilities shall be the responsibility of the Contractor. In the event of any utility conflict, the Contractor shall immediately inform the utility company, the County and the Engineer of the conflict. Contractor, at Contractor's expense, shall be responsible for the repair of any utilities damaged during construction.

D.1.13.2 PAYMENT

All work specified under this Section shall be paid for under Lump Sum Pay Item: PARKING AREA (COMPLETE) Section on the Bid Form.

LABEL TO AFFIX TO OUTSIDE OF SEALED BID PACKAGE

Cut along the outside border and affix this label to your sealed bid envelope to identify it as a "Sealed Bid". Be sure to include the name of the company submitting the bid where requested.

LABEL TO AFFIX TO OUTSIDE OF SEALED BID PACKAGE

SEALED BID - DO NOT OPEN

CONTRACTOR: _____
SEALED BID NO: 12-1926-DS
BID TITLE: The Rookery at Perico Preserve
DUE DATE/TIME: September 14, 2012 @ 2:00 PM