

February 26, 2018

Florida Department of Environmental Protection  
South District Office  
P.O. Box 2549  
Fort Myers, Florida 33902-2549

RE: Sarasota Central County Solid Waste Disposal Complex  
Financial Assurance Closure and Long-Term Care Estimate  
WACS ID: 51614  
Permit No: 130542-028-SO-IM  
Jones Edmunds Project No: 19006-057-01

To Whom It May Concern:

Please find enclosed the 2018 Financial Assurance Closure and Long-Term Care Estimate for the Sarasota Central County Solid Waste Disposal Complex. The full estimate is being submitted in accordance with the requirements of the above-referenced permit.

If you have any questions or comments, please feel free to contact me at (352) 377-5821 or [greinhart@jonesedmunds.com](mailto:greinhart@jonesedmunds.com).

Sincerely,



George Reinhart, PhD, PE  
Senior Engineer  
730 NE Waldo Road  
Gainesville, Florida 32641

RECEIVED  
FEB 28 2018  
D.E.P. South District

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Enclosures

XC: [Solid.Waste.Financial.Coordinator@dep.state.fl.us](mailto:Solid.Waste.Financial.Coordinator@dep.state.fl.us)  
Jason Timmons, PE, Sarasota County

**FINANCIAL ASSURANCE CLOSURE AND  
LONG-TERM CARE COST ESTIMATE  
SARASOTA CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX**

**PERMIT NO.: 130542-028-SO-IM**

**FACILITY ID NO.: 51614**

**Submitted to**

Florida Department of Environmental Protection  
Division of Waste Management  
2600 Blair Stone Road Stop #4500  
Tallahassee, Florida 32399-2400

**Prepared for**

Sarasota County Solid Waste Operations  
4000 Knights Trail Road  
Nokomis, Florida 34275

**Prepared by**

Jones Edmunds & Associates, Inc.  
730 NE Waldo Road  
Gainesville, Florida 32641

Certificate of Authorization # 1841

February 2018

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Exhibit R-2	Backup of Closure and Long-Term Care Unit Costs

# 1 OVERVIEW

## 1.1 INTRODUCTION

This document presents the estimated closure and long-term-care costs for the Sarasota Central County Solid Waste Disposal Complex (CCSWDC) as required by Rules 62-701.630, FAC and 62-701.730, FAC. Exhibit R-1 provides Financial Assurance Cost Estimate Form 62-701.900(28) showing the detailed cost estimates for closure and long-term care of the CCSWDC Class I Landfill. Exhibit R-2 provides backup for costs. The following describes how the costs for the estimate of closure and long-term care were obtained.

## 1.2 ASSUMPTIONS

The detailed closure and long-term-care cost estimates are based on the following assumptions:

- The unit costs provided with each item are costs from recent bids, County Contracts, Florida Department of Transportation (FDOT) Pay Item 12-Month Moving Averages, and RS Means Heavy Construction Cost Data.
- Item costs that were estimated using the RS Means Heavy Construction Cost Data are for Sarasota, Florida, which is the closest location available in the online edition and is representative of costs for Nokomis, Florida.

Table 1-1 defines the abbreviations used in the cost estimate.

**Table 1-1 List of Abbreviations**

Abbreviation	Definition	Abbreviation	Definition
AC	Acre	KGAL	1,000 Gallons
CF	Cubic foot	LF	Linear foot
CY	Cubic yard	LS	Lump sum
DY	Day	MSF	1,000 square feet
EA	Each	SF	Square foot
GAL	Gallons	SY	Square yard
HR	Hour	YR	Year

## 2 EXPLANATION OF CLOSURE COST ESTIMATES

This Section presents the basis of the work and assumptions to calculate the closure cost estimates. The closure area is based on the Closure area approved previously by the Florida Department of Environmental Protection (FDEP) and included in previous Financial Assurances Estimates for the facility.

A total of 63 acres (2D) in the Phase II landfill will require closure. The 3D surface area requiring closure is 64.9 acres or 2,825,536 SF (313,948 SY). The required soil volumes for landfill closure based on the total Phase II 3D surface are presented in Table 2-1.

**Table 2-1 Calculated Soil Volume for Landfill Closure**

Thickness of Soil Layer (feet)	3D Surface area (SF)	Loss Factor	3D Surface Area plus Loss Factor (SF)	3D Surface Area plus Loss Factor (SY)	Total Volume of Soil (CF)	Total Volume of Soil (CY)
0.5	2,825,536	1.2	3,390,643	376,738	1,695,322	62,790
1	2,825,536	1.2	3,390,643	376,738	3,390,643	125,579
1.5	2,825,536	1.2	3,390,643	376,738	5,085,965	188,369
2	2,825,536	1.2	3,390,643	376,738	6,781,286	251,159

Note: Quantities in FACE spreadsheet are rounded to reflect appropriate cost estimate degree of accuracy.

The final cover will consist of 12 inches of intermediate bedding layer over the Class I waste, a 40-mil textured geomembrane, a drainage geocomposite, 24 inches of soil final cover, and vegetative cover.

A soil loss factor is used to adjust for a reduction in volume due to soil compaction. The soil loss factor is included in the quantity calculation because quantities of soil purchased will be greater than the quantity of soil in-place after compaction.

### 2.1 ITEM NO. 1 – MONITORING WELLS

No additional monitoring wells are required at the time of closure. As part of the operation of the landfill, the permit-required wells are installed.

### 2.2 ITEM NO. 2 – SLOPE AND FILL

This item assumes grading and surface preparation will be required throughout the Phase II closure and 1 foot of off-site material will be spread over the closure surface and compacted to serve as intermediate cover. The cost estimate is based on the estimates shown below:

Closure Item 2 Description	Cost/Unit	Source or Reference
Excavation	\$0.55/SY	FDOT item 162-1-11 Prepared Soil Layer, Finish Soil 6-inch
Placement and Spreading	\$2.05/CY	RS Means Item 312323170020
Compaction	\$0.45/CY	RS Means Item 312323235100
Off-Site Material	\$9.00/CY	Quote from Big Earth Landscape Supply

### 2.3 ITEM NO. 3 – COVER MATERIAL (BARRIER LAYER)

The final cover of the Class I landfill will consist of a layer of textured geomembrane and an overlying geocomposite. The cost estimate is based on the estimates shown below:

Closure Item 3 Description	Cost/Unit	Source or Reference
Geomembrane:	\$0.45/SF	AGRU America
Geocomposite:	\$0.59/SF	AGRU America

### 2.4 ITEM NO. 4 – TOP SOIL COVER

The quantity for this item is based on 18 inches of final cover soil plus 6 inches of vegetative soil over the landfill closure area (including soil loss factor). The cost estimate figures are based on the following:

Closure Item 4 Description	Cost/Unit	Source or Reference
Off-Site Material	\$9.00/CY	Quote from Big Earth Landscape Supply
Placement and Spreading	\$2.05/CY	RS Means Item 312323170020

### 2.5 ITEM NO. 5 – VEGETATIVE LAYER

Jones Edmunds assumes that the top of the landfill will be hydro-seeded and the side slopes will be sodded. Both areas account for a 10-percent loss factor.

Closure Item 5 Description	Cost/Unit	Source or Reference
Sodding	\$0.21/SF	Sarasota County Contract
Hydroseeding	\$0.05/SF	Sarasota County Contract

### 2.6 ITEM NO. 6 – STORMWATER CONTROL SYSTEM

The stormwater system consists of 1,874 feet of downchute piping, 30 inlet and outlet structures, and 10,800 feet of terrace and toe drains. Also included is filter point matting to prevent erosion around each outlet structure.

Closure Item 6 Description	Cost/Unit	Source or Reference
Piping	\$33.06/LF	Sarasota County Contract
Underdrains	\$30.05/LF	Sarasota County Contract
Control Structures	\$1,502.55/EA	Sarasota County Contract
Filter Point Mat	\$43.07/SY	Sarasota County Contract

### 2.7 ITEM NO. 7 – GAS CONTROLS: PASSIVE

A passive gas system will not be constructed at this Facility.

## 2.8 ITEM NO. 8 – GAS CONTROLS: ACTIVE EXTRACTION

Cells 1 and 2 of Phase II comprise approximately 27 acres of the 63 acres requiring GCCS installation. Therefore, an additional 36 acres require GCCS installation at closing. Additionally, Jones Edmunds assumes that at the time of closing 50 percent of the 41 gas extraction wells installed in Phase II Cells 1 and 2 will require replacement.

Closure Item 7 Description	Cost Unit	Source or Reference
GCCS Construction	\$47,950/ACRE	Sarasota County Contract
Well Replacement	\$167,353/LS	Sarasota County Contract

## 2.9 ITEM NO. 9 – SECURITY SYSTEM

The fencing at the property is considered sufficient for access control to the Landfill.

## 2.10 ITEM NO. 10 – ENGINEERING

Engineering costs for designing and permitting were estimated based on experience with previous landfill closure projects in Florida and was estimated at 10 percent of the total construction cost.

## 2.11 ITEM NO. 11 – PROFESSIONAL SERVICES

This item consists of project management for the bidding, construction, construction quality assurance, and construction completion certification phases of the project and uses Jones Edmunds' standard rates.

Construction quality control (CQC) responsibilities belong to the general contractor and geomembrane installation subcontractor. Costs shown in Quality Assurance Testing are the third-party CQA activities, which are assumed to be administered by the consulting engineer. These costs were estimated from experience with previous landfill closure projects in Florida.

## 2.12 ITEM NO. 12 – CONTINGENCY ITEM

A contingency amount of 15 percent of the total construction cost is estimated to cover unforeseen costs that may be incurred during construction and price fluctuations in the construction industry.

## 2.13 ITEM NO. 13 – SITE SPECIFIC COSTS ITEM

Mobilization/Demobilization – This item is 7 percent of the subtotal of Item Nos. 1 through 9 to account for mobilization (5%) and bonds and insurance (2%). The subtotal of Item Nos. 1 through 9 is \$10,425,837.

Waste Tire Facility – This item is for the disposal of the Facility's waste tires and is based on the Waste Tire Processing Facility (WTPF) Permit Renewal application submitted to Florida Department of Environmental Protection (FDEP) dated June 6, 2017.

Materials Recovery Facility – This item is for the closure of the Facility's Material Recovery Facility and is based on the Permit Renewal Application submitted to FDEP dated September 12, 2014 adjusted for inflation.

Special Wastes – This item is for the disposal of the facilities special wastes including items such as household hazardous waste, electronics, white goods, etc. Jones Edmunds assumes that the County will haul up to 100 tons of special waste to the Polk County Landfill for disposal at a total cost of \$32,000. Additionally, the cost for disposal of yard waste was included in this line item. It is assumed that 3,000 tons of yard waste requiring disposal at the current CCSWDC disposal rate of \$41.37/ton would be required based on the previous financial assurance estimate for the facility for a total cost of \$124,110.

### 3 LONG-TERM CARE EXPLANATION OF COST ESTIMATES

These costs are included to provide for the long-term care of the Class I Landfill. The lined Class I Landfill is 118 acres and includes the closed Phase I and active Phase II landfills.

#### 3.1 ITEM NO. 1 – GROUNDWATER MONITORING

The groundwater monitoring system consists of eight water quality monitoring wells that must be sampled semiannually. Based on Jones Edmunds' estimates for the annual sampling, laboratory analyses, and biannual reporting, the cost breakdown is as follows:

Description	Cost/Unit	Source or Reference
Semiannual well sampling	\$1,077.71/well/event	Jones Edmunds estimate based on similar projects.

#### 3.2 ITEM NO. 2 – SURFACE WATER MONITORING

The surface water monitoring system consists of one water quality sampling point that must be sampled semiannually. Based on Jones Edmunds' estimates for the annual sampling, laboratory analyses, and reporting, the cost breakdown is as follows:

Description	Cost/Unit	Source or Reference
Semiannual sampling	\$1,234.00/well/event	Jones Edmunds estimate based on similar projects.

#### 3.3 ITEM NO. 3 – GAS MONITORING

The Class I Landfill has 10 perimeter gas monitoring probes and several ambient gas monitoring locations. These probes and ambient locations will continue to be monitored quarterly.

Description	Cost/Unit	Source or Reference
Gas probe monitoring	\$143.00/well/event	Jones Edmunds estimate based on similar projects.

#### 3.4 ITEM NO. 4 – LEACHATE MONITORING

Leachate monitoring is not required at the CCSWDC by FDEP permit.

#### 3.5 ITEM NO. 5 – LEACHATE COLLECTION/TREATMENT SYSTEMS

The Phase II permit application estimates that 10,468,708 gallons of leachate will be generated during the first year of post closure care. In 2017, Phase I generated 1,200,000 gallons of leachate. Therefore, the annual leachate generation is anticipated to be 10,468,708 gallons (Phase II) plus 1,200,000 gallons (Phase I) which equals 11,668,708 gallons per year.

Maintenance of the leachate collection and treatment system includes jet cleaning the collection pipes every 5 years. Maintenance of the leachate storage tank includes cleaning, inspecting, and repairing the exterior every 3 years. The costs for cleaning the Facility's sumps and lift stations annually include the use of a vacuum truck and technician. The leachate disposal costs include disposal to the City of Venice East Side wastewater treatment plant based on the current rate.

Description	Cost/Unit	Source or Reference
Maintenance – Collection pipes	\$37,644/LS	Quote from Florida Jet Clean
Maintenance – Sumps, Traps	\$720/EA	Sarasota County Contract
Maintenance – Lift Stations	\$720/EA	Sarasota County Contract
Maintenance – Tank	\$16,122/LS	Sarasota County Contract
Disposal	\$7.50/KGAL	Current disposal contract

### 3.6 ITEM NO. 6 – MAINTENANCE OF GROUNDWATER MONITORING WELLS

The cost for this item is based on replacing one groundwater well every 5 years. This includes abandoning and drilling a new well.

Description	Cost/Unit	Source or Reference
Replacement	\$980/EA	Sarasota County Contract

### 3.7 ITEM NO. 7 – GAS SYSTEM MAINTENANCE

The cost for this item is based on replacing 4 acres of the GCCS annually as part of maintenance, which results in replacing the entire GCCS once over the 30-year post-closure period. A Factor of Safety of 1.5 was added to account for replacing additional components of the system including components of the blower station, dewatering pumps, etc. The lump-sum cost for this item has been included under the operation line item.

Description	Cost/Unit	Source or Reference
Well Replacement	\$47,950/AC	Sarasota County Contract

### 3.8 ITEM NO. 8 – LANDSCAPE

The cost for this item is based on mowing the Landfill approximately eight times a year. The area to be mowed is based on the 3D surface area of the Phases I and II closure surface.

Description	Cost/Unit	Source or Reference
Mowing	\$19.00/AC	Sarasota County Contract

### 3.9 ITEM NO. 9 – EROSION CONTROL AND COVER MAINTENANCE

For erosion control and cover maintenance, Jones Edmunds assumed that the entire closure surface would be regraded and sodded over the 30-year closure period; this is approximately 4 acres per year. The repair of 100 square yards of liner is assumed per year. A mobilization cost of \$3,000 is included for the liner repair and has been incorporated into the unit square foot cost.

Description	Cost/Unit	Source or Reference
Sodding	\$0.21/SF	Sarasota County Contract
Regrading	\$0.55/SY	FDOT Item 0162 1 11 Prepared soil layer, finish soil 6 inches
Liner Repair	\$3.79/SF	AGRU America, Inc.

### 3.10 ITEM NO. 10 – STORMWATER MANAGEMENT SYSTEM MAINTENANCE

Jones Edmunds assumed that the perimeter ditch system will be cleaned annually.

Description	Cost/Unit	Source or Reference
Conveyance maintenance	\$0.73/LF	Sarasota County Contract

### 3.11 ITEM NO. 11 – SECURITY SYSTEM MAINTENANCE

Security system maintenance assumes 100 feet of fencing repairs annually and a new sign and gate replacement annually.

Description	Cost/Unit	Source or Reference
Fence repairs	\$10.00/LF	Sarasota County Contract
Gate repairs	\$480.00/EA	Sarasota County Contract
Sign repairs	\$300.51/EA	Sarasota County Contract

### 3.12 ITEM NO. 12 – UTILITIES

This item is based on the most recent fiscal year utility costs.

### 3.13 ITEM NO. 13 – LEACHATE COLLECTION/TREATMENT SYSTEMS OPERATION

This item includes operation labor cost for managing the system and current Jones Edmunds' billing rates for the personnel. The estimate includes 2 hours per week for an On-Site technician and 1 hour each per week for a P.E. Supervisor, On-Site Engineer, and an Office Engineer.

### 3.14 ITEM NO. 14 – ADMINISTRATIVE

This item includes administration labor costs for managing the permitting and reporting requirements, inspections, and maintenance. The cost estimate is consistent with current Jones Edmunds' labor rates and experience with similar facilities.

### 3.15 ITEM NO. 15 – CONTINGENCY

The contingency is calculated as 10 percent of the total costs of Item Nos. 1 through 14. This number is based on Jones Edmunds' engineering judgment and consideration of estimation of expected annual costs.

### 3.16 ITEM NO. 16 – SITE-SPECIFIC COSTS

Groundwater Monitoring Technical Report – This cost is for completion of a Technical Report required every 2.5 years. The cost is based on Jones Edmunds' cost of services.

**Exhibit R-1**

**Financial Assurance Cost Estimate  
Form 62-701.900(28), FAC**



# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

DEP Form # 62-701.900(28), F.A.C.  
Form Title: Closure Cost Estimating Form For  
Solid Waste Facilities  
Effective Date: January 6, 2010  
Incorporated in Rule 62-701.630(3), F.A.C.

## CLOSURE COST ESTIMATING FORM FOR SOLID WASTE FACILITIES

Date of DEP Approval: \_\_\_\_\_

### I. GENERAL INFORMATION:

Facility Name: Sarasota Central County Solid Waste Disposal Complex WACS ID: 51614  
 Permit Application or Consent Order No.: 130542-028-SO-IM Expiration Date: 1/6/2034  
 Facility Address: 4000 Knights Trail Road, Nokomis, FL 34275  
 Permittee or Owner/Operator: Sarasota County Solid Waste Operations  
 Mailing Address: 4000 Knights Trail Road, Nokomis, FL 34275  
 Latitude: 27° 12' 9.84" Longitude: 82° 23' 24.75"  
 Coordinate Method: Web Based Mapping Datum: WGS 84  
 Collected by: J. Toms Company/Affiliation: Jones Edmunds & Associates, Inc.

#### Solid Waste Disposal Units Included in Estimate:

Phase / Cell	Acres	Date Unit Began Accepting Waste	Active Life of Unit From Date of Initial Receipt of Waste	If active: Remaining life of unit	If closed: Date last waste received	If closed: Official date of closing
Phase I	55	6/15/1998	13.2 years	0 years	August 2011	TBD
Phase II	63	8/16/2010	15 years	7 years	NA	NA

Total disposal unit acreage included in this estimate: \_\_\_\_\_ Closure: 63 Long-Term Care: 118

Facility type:  Class I  Class III  C&D Debris Disposal  
 (check all that apply)  Other: Waste Tire Processing, C&D MRF, Yard Waste Site

### II. TYPE OF FINANCIAL ASSURANCE DOCUMENT (Check type)

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Letter of Credit* | <input type="checkbox"/> Insurance Certificate     | <input type="checkbox"/> Escrow Account        |
| <input type="checkbox"/> Performance Bond* | <input checked="" type="checkbox"/> Financial Test | <input type="checkbox"/> Form 29 (FA Deferral) |
| <input type="checkbox"/> Guarantee Bond*   | <input type="checkbox"/> Trust Fund Agreement      |  |

\* - Indicates mechanisms that require the use of a Standby Trust Fund Agreement

Northwest District  
160 Government Center  
Pensacola, FL 32502-5794  
850-595-8360

Northeast District  
7825 Baymeadows Way, Ste. B200  
Jacksonville, FL 32256-7590  
904-807-3300

Central District  
3319 Maguire Blvd., Ste. 232  
Orlando, FL 32803-3767  
407-894-7555

Southwest District  
10351 N. Telecom Pky.  
Temple Terrace, FL 33637  
813-632-7600

South District  
2295 Victoria Ave., Ste. 364  
Fort Myers, FL 33901-3881  
239-332-6975

Southeast District  
400 N. Congress Ave., Ste 200  
West Palm Beach, FL 33401  
561-681-6600

**II. ESTIMATE ADJUSTMENT**

40 CFR Part 264 Subpart H as adopted by reference in Rule 62-701.630, Florida Administrative Code, (F.A.C.) sets forth the method of annual cost estimate adjustment. Cost estimates may be adjusted by using an inflation factor or by recalculating the maximum costs of closure in current dollars. Select one of the methods of cost estimate adjustment below.

**(a) Inflation Factor Adjustment**

**(b) Recalculated or New Cost Estimates**

Inflation adjustment using an inflation factor may only be made when a Department approved closure cost estimate exists and no changes have occurred in the facility operation which would necessitate modification to the closure plan. The inflation factor is derived from the most recent Implicit Price Deflator for Gross National Product published by the U.S. Department of Commerce in its survey of Current Business. The inflation factor is the result of dividing the latest published annual Deflatory by the Deflator for the previous year. The inflation factor may also be obtained from the Solid Waste website [www.dep.state.fl.us/waste/categories/swfr](http://www.dep.state.fl.us/waste/categories/swfr) or call the Financial Coordinator at (850) 245-8706.

This adjustment is based on the Department approved closing cost estimate dated:

Latest Department Approved <b>Closing Cost Estimate:</b>	x	Current Year Inflation Factor, e.g. <b>1.02</b>	=	Inflation Adjusted Closing Cost Estimate:
_____		_____		_____

This adjustment is based on the Department approved long-term care cost estimate dated:

Latest Department Approved Annual <b>Long-Term Care</b> Cost Estimate:	x	Current Year Inflation Factor, e.g. <b>1.02</b>	=	Inflation Adjusted Annual Long-Term Care Cost Estimate:
_____		_____		_____
Number of Years of Long Term Care Remaining:			x	_____
<b>Inflation Adjusted Long-Term Care Cost Estimate:</b>			=	_____

<b>Signature by:</b>	<b>Owner/Operator</b>	<b>Engineer</b>	(check what applies)
_____	_____	_____	_____
Signature		Address	
_____	_____	_____	_____
Name & Title		City, State, Zip Code	
_____	_____	_____	_____
Date		E-Mail Address	
_____	_____	_____	_____
Telephone Number			

**IV. ESTIMATED CLOSING COST (check what applies)**

**Recalculated Cost Estimate**       **New Facility Cost Estimate**

- Notes: 1. Cost estimates for the time period when the extent and manner of landfill operation makes closing most expensive.  
 2. Cost estimate must be certified by a professional engineer.  
 3. Cost estimates based on third party suppliers of material, equipment and labor at market value.  
 4. In some cases, a price quote in support of individual

Description	Unit	Number of Units	Cost / Unit	Total Cost
<b>1. Proposed Monitoring Wells (Do not include wells already in existence.)</b>				
	EA		\$ -	\$ -
Subtotal Proposed Monitoring Wells:				\$ -
<b>2. Slope and Fill (bedding layer between waste and barrier layer):</b>				
Excavation	SY	313,948	\$ 0.55	\$ 172,671
Placement and Spreading	CY	125,579	\$ 2.05	\$ 257,437
Compaction	CY	125,579	\$ 0.45	\$ 56,511
Off-Site Material	CY	125,579	\$ 9.00	\$ 1,130,211
Delivery	CY	125,579	\$ -	\$ -
Subtotal Slope and Fill:				\$ 1,616,830
<b>3. Cover Material (Barrier Layer):</b>				
Off-Site Clay	CY		\$ -	\$ -
Synthetics - 40 mil	SF	3,108,090	\$ 0.45	\$ 1,398,641
Synthetics - GCL	SY		\$ -	\$ -
Synthetics - Geonet	SY		\$ -	\$ -
Synthetics - Other (explain) Geocomposite	SF	3,108,090	\$ 0.59	\$ 1,833,773
Subtotal Cover Material:				\$ 3,232,414
<b>4. Top Soil Cover:</b>				
Off-Site Material	CY	251,159	\$ 9.00	\$ 2,260,431
Delivery	CY		\$ -	\$ -
Spread	CY	251,159	\$ 2.05	\$ 514,876
Subtotal Top Soil Cover:				\$ 2,775,307
<b>5. Vegetative Layer:</b>				
Sodding	SF	1,502,235	\$ 0.21	\$ 315,469
Hydroseeding	SF	1,605,624	\$ 0.05	\$ 80,281
Fertilizer	AC		\$ -	\$ -
Mulch	AC		\$ -	\$ -
Other (explain)			\$ -	\$ -
Subtotal Vegetative Layer:				\$ 395,750
<b>6. Stormwater Control System:</b>				
Earthwork	CY		\$ -	\$ -
Grading	SY		\$ -	\$ -
Piping	LF	1,874	\$ 33.06	\$ 61,954
Ditches Underdrains	LF	10,800	\$ 30.05	\$ 324,540
Berms	LF		\$ -	\$ -
Control Structures	EA	30	\$ 1,502.55	\$ 45,077
Other (explain)	SY	1,867	\$ 43.07	\$ 80,412
Filter Point Mat				
Subtotal Stormwater Control System:				\$ 511,983

Description	Unit	Number of Units	Cost / Unit	Total Cost
<b>7. Passive Gas Control:</b>				
Wells	LS		\$ -	\$ -
Pipe and Fittings	LF		\$ -	\$ -
Monitoring Probes	EA		\$ -	\$ -
NSPS/Title V Requirements	LS		\$ -	\$ -
Subtotal Passive Gas Control:				\$ -
<b>8. Active Gas Extraction Control:</b>				
Traps	EA		\$ -	\$ -
Sumps	EA		\$ -	\$ -
Flare Assembly	EA		\$ -	\$ -
Flame Arrestor	EA		\$ -	\$ -
Mist Eliminator	EA		\$ -	\$ -
Flow-Meter Pumps	EA		\$ -	\$ -
Blowers	EA		\$ -	\$ -
Collection System	LF		\$ -	\$ -
Other (explain) <u>GCCS Construction</u>	EA	1	\$ 1,893,553.00	\$ 1,893,553
<u>plus Well Replacement</u>				
Subtotal Active Gas Extraction:				\$ 1,893,553
<b>9. Security System:</b>				
Fencing	LF		\$ -	\$ -
Gate(s)	EA		\$ -	\$ -
Sign(s)	EA		\$ -	\$ -
Subtotal Security System:				\$ -
<b>10. Engineering:</b>				
Closure Plan Report	LS		\$ -	\$ -
Certified Engineering Drawings	LS		\$ -	\$ -
NSPS/Title V Air Permit	LS		\$ -	\$ -
Final Survey	LS		\$ -	\$ -
Certification of Closure	LS		\$ -	\$ -
Other (explain) <u>Total Engineering</u>		1	\$ 1,043,000	\$ 1,043,000
<u>Cost</u>				
Subtotal Engineering:				\$ 1,043,000

Description	Hours	Cost / Hour	Hours	Cost / Hour	Total Cost
<b>11. Professional Services:</b>					
	<u>Contract Management</u>		<u>Quality Assurance</u>		
P.E. Supervisor	320	\$ 165	320	\$ 165	\$ 105,600
On-Site Engineer	320	\$ 125	1,600	\$ 125	\$ 240,000
Office Engineer	800	\$ 125	800	\$ 125	\$ 200,000
On-Site Technician		\$ 80	2,800	\$ 80	\$ 224,000
Other (explain)	600	\$ 80	600	\$ 80	\$ 96,000
<u>Administrative Assistant</u>					
Subtotal Professional Services:					\$ 865,600

<b>Description</b>	<b>Unit</b>	<b>Number of Units</b>	<b>Cost / Unit</b>	<b>Total Cost</b>
Quality Assurance Testing	LS	1	\$ 300,000	\$ 300,000
Subtotal Professional Services:				\$ 1,165,600
<b>Subtotal of 1-11 Above:</b>				\$ 12,634,437
<b>12. Contingency:</b>	<u>10</u>	% of Subtotal of 1-11 Above		\$ 1,263,444
Subtotal Contingency:				\$ 1,263,444
<b>Estimated Closing Cost Subtotal:</b>				\$ 13,897,881

<b>Description</b>	<b>Total Cost</b>
<b>13. Site-Specific Costs:</b>	
Mobilization and Bonds and insurance	\$ 729,809
Waste Tire Facility	\$ 153,450
Materials Recovery Facility	\$ 1,500,950
Special Wastes	\$ 156,110
Leachate Management System Modification	\$ -
Other (explain) _____	\$ -
Subtotal Site Specific Costs:	
\$ 2,540,319	
<b>TOTAL ESTIMATED CLOSING COSTS (\$):</b>	
<b>\$ 16,438,200</b>	

**V. ANNUAL COST FOR LONG-TERM CARE**

See 62-701.600(1)a.1., 62-701.620(1), 62-701.630(3)a. and 62-701.730(11)b. F.A.C. for required term length. For landfills certified closed and Department accepted, enter the remaining long-term care length as "Other" and provide years remaining.

(Check Term Length)  5 Years  20 Years  30 Years  Other, \_\_\_ Years

- Notes: 1. Cost estimates must be certified by a professional engineer.  
 2. Cost estimates based on third party suppliers of material, equipment and labor at fair market value.  
 3. In some cases, a price quote in support of individual item estimates may be required.

**All items must be addressed.** Attach a detailed explanation for all items marked not applicable (N/A)

Description	Sampling		(Cost / Well) / Event	Annual Cost
	Frequency (Events / Year)	Number of Wells		
<b>1. Groundwater Monitoring [62-701.510(6), and (8)(a)]</b>				
Monthly	12		\$ -	\$ -
Quarterly	4		\$ -	\$ -
Semi-Annual	2	14	\$ 1,077.71	\$ 30,176
Annual	1		\$ -	\$ -
Subtotal Groundwater Monitoring:				\$ 30,176
<b>2. Surface Water Monitoring [62-701.510(4), and (8)(b)]</b>				
Monthly	12		\$ -	\$ -
Quarterly	4		\$ -	\$ -
Semi-Annual	2	2	\$ 1,234.00	\$ 4,936
Annual	1		\$ -	\$ -
Subtotal Surface Water Monitoring:				\$ 4,936
<b>3. Gas Monitoring [62-701.400(10)]</b>				
Monthly	12		\$ -	\$ -
Quarterly	4	10	\$ 143.00	\$ 5,720
Semi-Annual	2		\$ -	\$ -
Annual	1		\$ -	\$ -
Subtotal Gas Monitoring:				\$ 5,720
<b>4. Leachate Monitoring [62-701.510(5), (6)(b) and 62-701.510(8)c]</b>				
Monthly	12		\$ -	\$ -
Quarterly	4		\$ -	\$ -
Semi-Annual	2		\$ -	\$ -
Annual	1		\$ -	\$ -
Other (explain) _____			\$ -	\$ -
Subtotal Leachate Monitoring:				\$ -

Description	Unit	Number of Units / Year	Cost / Unit	Annual Cost
<b>5. Leachate Collection/Treatment Systems Maintenance</b>				
<u>Maintenance</u>				
Collection Pipes	LS	0.2	\$ 37,644.00	\$ 7,529
Sumps, Traps	EA	5	\$ 720.00	\$ 3,600
Lift Stations	EA	7	\$ 720.00	\$ 5,040
Cleaning	LS		\$ -	\$ -
Tanks	LS	0.333	\$ 16,122.00	\$ 5,374

Description	Unit	Number of Units / Year	Cost / Unit	Annual Cost
<b>5. (continued)</b>				
<u>Impoundments</u>				
Liner Repair	SY		\$ -	\$ -
Sludge Removal	CY		\$ -	\$ -
<u>Aeration Systems</u>				
Floating Aerators	EA DAY		\$ -	\$ -
Spray Aerators	EA		\$ -	\$ -
<u>Disposal</u>				
Off-site (Includes transportation and disposal)	1,000 gallon	11,669	\$ 7.50	\$ 87,518
Subtotal Leachate Collection / Treatment Systems Maintenance:				\$ 109,061
<b>6. Groundwater Monitoring Wells Maintenance</b>				
Monitoring Wells	LF		\$ -	\$ -
Replacement	EA	0.2	\$ 980.00	\$ 196
Abandonment	EA		\$ -	\$ -
Subtotal Groundwater Monitoring Well Maintenance:				\$ 196
<b>7. Gas System Maintenance</b>				
Piping, Vents	LF		\$ -	\$ -
Blowers	EA		\$ -	\$ -
Flaring Units	EA		\$ -	\$ -
Meters, Valves	EA		\$ -	\$ -
Compressors	LS		\$ -	\$ -
Flame Arrestors	EA		\$ -	\$ -
Operation	LS	1	\$ 287,700.00	\$ 287,700
Subtotal Gas System:				\$ 287,700
<b>8. Landscape Maintenance</b>				
Mowing 8 /yr	AC	118.0	\$ 19.00	\$ 17,936
Fertilizer /yr	AC		\$ -	\$ -
Subtotal Landscape Maintenance:				\$ 17,936
<b>9. Erosion Control and Cover Maintenance</b>				
Sodding	SF	175,144	\$ 0.21	\$ 36,780
Regrading	SY	19,460	\$ 0.55	\$ 10,703
Liner Repair	SF	900	\$ 3.79	\$ 3,411
Clay	CY		\$ -	\$ -
Subtotal Erosion Control and Cover Maintenance:				\$ 50,894
<b>10. Storm Water Management System Maintenance</b>				
Conveyance Maintenance	LF	10,298	\$ 0.73	\$ 7,518
Subtotal Storm Water System Maintenance:				\$ 7,518
<b>11. Security System Maintenance</b>				
Fences	LF	100	\$ 10.00	\$ 1,000
Gate(s)	EA	1	\$ 480.00	\$ 480
Sign(s)	EA	1	\$ 300.51	\$ 301
Subtotal Security System:				\$ 1,781

Description	Unit	Number of Units / Year	Cost / Unit	Annual Cost
<b>12. Utilities</b>	LS	1	\$ 11,460	\$ 11,460
<b>13. Leachate Collection/Treatment Systems Operation</b>				
<u>Operation</u>				
P.E. Supervisor	HR	52	\$ 165	\$ 8,580
On-Site Engineer	HR	52	\$ 125	\$ 6,500
Office Engineer	HR	52	\$ 125	\$ 6,500
On-Site Technician	HR	104	\$ 80	\$ 8,320
Materials	LS		\$ -	\$ -
Subtotal Leachate Collection/Treatment System Operation:				\$ 29,900
<b>14. Administrative</b>				
		Hours	\$/Hour	Total
P.E. Supervisor	HR	26	\$ 165	\$ 4,290
On-Site Engineer	HR	52	\$ 125	\$ 6,500
Office Engineer	HR	52	\$ 125	\$ 6,500
Onsite Technician	HR	104	\$ 80	\$ 8,320
Other <u>Administrative Assistant</u>	HR	52	\$ 80	\$ 4,160
Subtotal Administrative:				\$ 29,770
<b>Subtotal of 1-14 Above:</b>				\$ 587,048
<b>15. Contingency</b>	<u>10%</u>	% of Subtotal of 1-14 Above		\$ 58,705
Subtotal Contingency:				\$ 58,705

Description	Unit	Number of Units / Year	Cost / Unit	Annual Cost
<b>16 Site-Specific Costs (explain)</b>				
GW Monitoring Technical Report	LS	0.4	\$ 12,465.00	\$ 4,986
				\$ -
				\$ -
				\$ -
Subtotal Site Specific Costs:				\$ 4,986

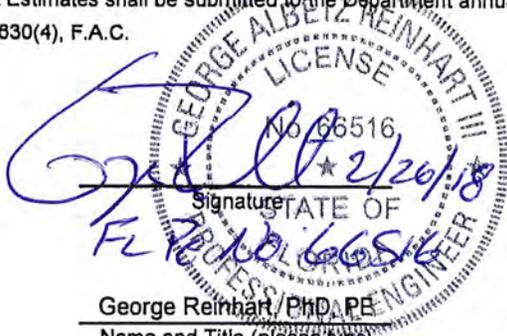
**ANNUAL LONG-TERM CARE COST (\$ / Year):** \$ 650,739

Number of Years of Long-Term Care: 30

**TOTAL LONG-TERM CARE COST (\$):** \$ 19,522,170

**VI. CERTIFICATION BY ENGINEER**

This is to certify that the Cost Estimates pertaining to the engineering features of this solid waste management facility have been examined by me and found to conform to engineering principles applicable to such facilities. In my professional judgment, the Cost Estimates are a true, correct and complete representation of the financial liabilities for closing and/or long-term care of the facility and comply with the requirements of Rule 62-701.630 F.A.C. and all other Department of Environmental Protection rules, and statutes of the State of Florida. It is understood that the Cost Estimates shall be submitted to the Department annually, revised or adjusted as required by Rule 62-701.630(4), F.A.C.



730 NE Waldo Road  
Mailing Address

Gainesville, Florida 32641  
City, State, Zip Code

greinhart@jonesedmunds.com  
E-Mail address (if available)

66516  
Florida Registration Number  
(please affix seal)

352-377-5821  
Telephone Number

**VII. SIGNATURE BY OWNER/OPERATOR**



Lois Rose  
Signature

4000 Knights Trail Road  
Mailing Address

Nokomis, FL 34275  
City, State, Zip Code

lerose@scgov.net  
E-Mail address (if available)

941-861-1589  
Telephone Number

## **Exhibit R-2**

# **Backup of Closure and Long-Term Care Unit Costs**

Florida Department of Transportation  
Item Average Unit Cost  
From 2016/12/01 to 2017/11/30

Contract Type: CC STATEWIDE  
Displaying: VALID ITEMS WITH HITS  
From: 0102 1 To: 9999999

Item	No. of Conts	Weighted Average	Total Amount	Total Quantity	Unit Meas	Obs?	Description
0120 74	3	\$4.93	\$209,069.23	42,420.000	CY	N	SURCHARGE EMBANKMENT
0121 70	16	\$211.19	\$287,763.96	1,362.600	CY	N	FLOWABLE FILL
0125 1	6	\$12.61	\$36,548.30	2,899.400	CY	N	EXCAVATION FOR STRUCTURES
0125 3	2	\$102.62	\$16,850.00	164.200	CY	N	SELECT BEDDING MATERIAL
0141 70	6	\$1,377.26	\$97,785.20	71.000	AS	N	SETTLEMENT PLATE ASSEMBLY
0145 1	3	\$3.97	\$288,706.60	72,720.000	SF	N	GEOSYNTHETIC REINFORCED SOIL SLOPE
0145 2	13	\$1.66	\$352,362.11	212,421.000	SY	N	GEOSYNTHETIC REINF END OVER SOFT SOIL
0145 71	1	\$6.48	\$4,756.32	734.000	SY	N	REINFORCEMENT GRID FOR SOIL STABILIZAT
0145 72	1	\$36.50	\$27,229.00	746.000	SY	N	CELLULAR CONFINEMENT FOR SOIL STABILIZAT
0160 4	133	\$4.09	\$19,171,853.43	4,683,888.000	SY	N	TYPE B STABILIZATION
0160 4900	1	\$1.75	\$1,757,579.25	1,004,331.000	SY	N	TYPE B STABILIZ, PROJ 405270-1,-3, -4
0162 1 11	85	\$5.55	\$3,114,289.43	5,646,073.000	SY	N	PREPARED SOIL LAYER, FINISH SOIL, 6"
0162 1 12	7	\$2.89	\$68,559.10	23,761.000	SY	N	PREPARED SOIL LAYER, FINISH SOIL, 12"
0173 76	1	\$11.00	\$233,860.00	21,260.000	LF	N	GROUT PIPE INSTALLATION
0173 77 1	2	\$139.44	\$640,592.00	4,594.000	CY	N	SUBSURF PRESSURE GROUTING, SAND CEM
0210 1 1	1	\$10.00	\$21,770.00	2,177.000	SY	N	REWORKING LIMEROCK BASE, 6"
0210 1 8	2	\$18.92	\$12,790.00	676.000	SY	N	REWORKING LIMEROCK BASE, 4"
0210 1 9	5	\$4.33	\$83,882.72	19,374.000	SY	N	REWORKING LIMEROCK BASE, 3"
0210 2	2	\$37.28	\$17,778.89	476.900	CY	N	LIMEROCK-NEW MATERIAL FOR REWORKING BASE
0285701	75	\$14.19	\$12,689,108.87	894,260.000	SY	N	OPTIONAL BASE, BASE GROUP 01
0285701900	1	\$4.25	\$1,299,607.50	305,790.000	SY	N	OPTIONAL BASE, BASE GROUP 01, 405270-1ETC
0285702	7	\$14.36	\$1,535,599.64	106,945.000	SY	N	OPTIONAL BASE, BASE GROUP 02
0285703	5	\$10.52	\$224,153.32	21,300.000	SY	N	OPTIONAL BASE, BASE GROUP 03
0285704	16	\$9.97	\$1,193,963.56	119,762.000	SY	N	OPTIONAL BASE, BASE GROUP 04
0285705	6	\$13.33	\$2,298,161.31	172,465.000	SY	N	OPTIONAL BASE, BASE GROUP 05
0285706	44	\$14.44	\$4,445,460.31	307,878.000	SY	N	OPTIONAL BASE, BASE GROUP 06
0285707	5	\$20.51	\$508,492.45	24,797.000	SY	N	OPTIONAL BASE, BASE GROUP 07
0285708	2	\$26.26	\$637,840.50	24,291.000	SY	N	OPTIONAL BASE, BASE GROUP 08
0285709	66	\$16.46	\$20,458,899.49	1,242,925.000	SY	N	OPTIONAL BASE, BASE GROUP 09
0285709900	1	\$10.00	\$5,014,800.00	501,480.000	SY	N	OPTIONAL BASE, BASE GROUP 09, 405270-1ETC
0285710	14	\$15.29	\$14,144,932.53	925,099.000	SY	N	OPTIONAL BASE, BASE GROUP 10
0285711	15	\$17.58	\$2,983,706.90	169,685.000	SY	N	OPTIONAL BASE, BASE GROUP 11
0285712	5	\$19.58	\$3,192,187.37	163,036.000	SY	N	OPTIONAL BASE, BASE GROUP 12
0285713	8	\$37.85	\$1,721,151.44	45,470.000	SY	N	OPTIONAL BASE, BASE GROUP 13
0285714	1	\$56.45	\$36,297.35	643.000	SY	N	TURNOUT CONSTRUCTION
0285715	17	\$54.06	\$1,740,595.67	32,195.000	SY	N	OPTIONAL BASE, BASE GROUP 15
0286 1	40	\$20.88	\$744,209.99	35,649.400	SY	N	TURNOUT CONSTRUCTION
0286 2	12	\$161.22	\$223,140.23	1,384.100	TN	N	ASPHALT TREATED PERMEABLE BASE
0287 1	2	\$441.58	\$221,240.00	48.100	CY	N	ASPHALT TREATED PERMEABLE BASE
0327 70 1	55	\$2.30	\$2,526,047.62	1,100,602.000	SY	N	MILLING EXIST ASPH PAVT, 1" AVG DEPTH

Closure Item 2 - Slope and Fill:  
Excavation

**Cost Estimate Report**

Date: 01/05/2018

**2018 Sarasota Central Landfill**

Year 2017  
 Unit Detail Report  
 Prepared By: JoAnne Talamo Jones Edmunds & Associates, Inc.

LineNumber	Description	Quantity	Unit	Total Incl. O&P	Ext. Total Incl. O&P
<b>Division 31 Earthwork</b>					
312323170020	Fill, dumped material, spread, by dozer, excludes compaction	0.00	L.C.Y.	\$2.05	\$0.00
312323235100	Compaction, riding, vibrating roller, 4 passes, 12" lifts	0.00	E.C.Y.	\$0.45	\$0.00
<b>Division 31 Earthwork Subtotal</b>					<b>\$0.00</b>

Closure Item 2 - Slope and Fill:  
 Placement and Spreading  
 Compaction

Big Earth Landscape Supply, Inc.

**Quotation**

<b>Date</b> Jan 11, 2018	<b>Page</b> 1
<b>Order Number</b> QT00715	

2423 MANATEE AVE W  
BRADENTON, FL 34205  
USA  
Phone: 941/746-4471  
Fax: 941/751-3790

**Closure Item 2- Slope and Fill:  
Off-Site Material**

**Sold To:**

SARASOTA COUNTY  
P.O. BOX 8  
SARASOTA, FL 34230

**Ship To:**

County Landfill  
4000 Knights Trail road  
Nokomis, FL, 34275

<b>Reference</b>	<b>PO Number</b> JASON	<b>Customer No.</b> SAR725	<b>Salesperson</b> TROY	<b>Order Date</b> Jan 11, 2018	<b>Ship Via</b>	<b>Terms</b> NET10
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Qty. Ord.	Qty. Shp.	Qty. B/O	Item Number	Description	Unit Price	UOM	Extended Price
320,000	0.0000	320,00	FILLDIRT	FILL DIRT BY THE YARD	9.00	EA	2,880,000.00
				<b>\$9.00/CY delivered</b>			

<b>Comments:</b> BUDGETARY QUOTE	<b>Tax Summary:</b>		<b>Less</b>	
	FLORIDA	0.00	<b>Included Tax</b>	<b>0.00</b>
	SARASOT/	0.00	<b>Order Discount</b>	<b>0.00</b>
			<b>Subtotal</b>	<b>2,880,000.00</b>
			<b>Total sales tax</b>	<b>0.00</b>
			<b>Total order</b>	<b>2,880,000.00</b>



AGRU America, Inc.  
500 Garrison Road  
Georgetown, SC 29440  
Phone: 1-843-546-0600

January 10, 2018

Jeremy Toms, EI  
Jones Edmunds & Associates, Inc.  
730 NE Waldo Road  
Gainesville, FL 32641

**RE: Sarasota County Central Landfill Closure – Requested Budgetary Pricing**

Agru America is pleased to provide the following budget pricing for the requested geosynthetic profile(s). Budget pricing options include a 40mil LLDPE MicroSpike and Geocomposite system as Option #1 and a 50 mil LLDPE MicroDrain geomembrane and geotextile as Option #2. As discussed, ClosureTurf may work well in this application if you would want to evaluate further.

**Requested Geosynthetic Closure System #1**

This geosynthetic closure system includes a standard 40 mil LLDPE MicroSpike geomembrane with 8-200-8 geocomposite.

Description	Quantity (SF)	Unit Price (\$/SF)	Total
40 mil MicroSpike LLDPE - Material	2,700,000	\$ 0.30	\$ 810,000.00
40 mil MicroSpike LLDPE - Installation	2,700,000	\$ 0.15	\$ 405,000.00
8/200/8 Geocomposite - Material	2,700,000	\$ 0.46	\$ 1,242,000.00
8/200/8 Geocomposite - Installation	2,700,000	\$ 0.13	\$ 351,000.00
<b>Total Budget for Conventional</b>			<b>\$ 2,808,000.00</b>

\*Material budget pricing includes estimated freight to Sarasota, FL but no taxes. Installation budget pricing assumes non-union/non-prevailing wage rates.  
\*A 200 mil Geocomposite product is unlikely to meet the site specific requirements of a highly permeable cover soil typically found in FL.

**Requested Geosynthetic Closure System #2**

This geosynthetic closure system includes a standard 50 mil LLDPE MicroDrain geomembrane with 8 oz nonwoven geotextile.

Description	Quantity (SF)	Unit Price (\$/SF)	Total
50 mil LLDPE MicroDrain - Material	2,700,000	\$ 0.55	\$ 1,485,000.00
50 mil LLDPE MicroDrain - Installation	2,700,000	\$ 0.18	\$ 486,000.00
Agrutex 081 Nonwoven Geotextile - Material	2,700,000	\$ 0.11	\$ 297,000.00
Agrutex 081 Nonwoven Geotextile - Installation	2,700,000	\$ 0.10	\$ 270,000.00
<b>Total Budget for MicroDrain Option</b>			<b>\$ 2,538,000.00</b>

\*Material budget pricing includes estimated freight to Sarasota, FL but no taxes. Installation budget pricing assumes non-union/non-prevailing wage rates.

We would recommend performing design shear strength and transmissivity testing specific to your project needs. We can supply material samples for this testing when appropriate and answer any questions you may have. Thank you for reaching out to us and please feel free to contact me to discuss further at [ceichelberger@agruamerica.com](mailto:ceichelberger@agruamerica.com) or 330.606.8970.

Sincerely,



Chris Eichelberger  
Agu America

**Big Earth Landscape Supply, Inc.**

2423 MANATEE AVE W  
BRADENTON, FL 34205  
USA  
Phone: 941/746-4471  
Fax: 941/751-3790

**Quotation**

<b>Date</b> Jan 11, 2018	<b>Page</b> 1
<b>Order Number</b> QT00715	

**Closure Item 4 -Top Soil Cover:  
Off-Site Material**

**Sold To:**

SARASOTA COUNTY  
P.O. BOX 8  
SARASOTA, FL 34230

**Ship To:**

County Landfill  
4000 Knights Trail road  
Nokomis, Fl, 34275

<b>Reference</b>	<b>PO Number</b> JASON	<b>Customer No.</b> SAR725	<b>Salesperson</b> TROY	<b>Order Date</b> Jan 11, 2018	<b>Ship Via</b>	<b>Terms</b> NET10
------------------	---------------------------	-------------------------------	----------------------------	-----------------------------------	-----------------	-----------------------

Qty. Ord.	Qty. Shp.	Qty. B/O	Item Number	Description	Unit Price	UOM	Extended Price
320,000	0.0000	320,00	FILLDIRT	FILL DIRT BY THE YARD	9.00	EA	2,880,000.00
				<b>\$9.00/CY delivered</b>			

**Comments:**

BUDGETARY QUOTE

**Tax Summary:**

FLORIDA 0.00  
SARASOT/ 0.00

<b>Less</b>	
<b>Included Tax</b>	0.00
<b>Order Discount</b>	0.00
<b>Subtotal</b>	2,880,000.00
<b>Total sales tax</b>	0.00
<b>Total order</b>	2,880,000.00

## Cost Estimate Report

Date: 01/05/2018

**2018 Sarasota Central Landfill**

Year 2017

Unit Detail Report

Prepared By: JoAnne Talamo

Jones Edmunds & Associates, Inc.

LineNumber	Description	Quantity	Unit	Total Incl. O&P	Ext. Total Incl. O&P
<b>Division 31</b>	<b>Earthwork</b>				
312323170020	Fill, dumped material, spread, by dozer, excludes compaction	0.00	L.C.Y.	\$2.05	\$0.00
312323235100	Compaction, riding, vibrating roller, 4 passes, 12" lifts	0.00	E.C.Y.	\$0.45	\$0.00
<b>Division 31</b>	<b>Earthwork Subtotal</b>				<b>\$0.00</b>

Closure Item 4 - Top Soil Cover:  
Spread

**AMENDMENT NO. 2  
TO COUNTY CONTRACT NO. 2015-062**

This Amendment is made and entered into upon execution by both parties by and between **Sarasota County**, a political subdivision of the State of Florida, hereinafter referred to as the "**County**," and **Sunbelt Sod & Grading Company**, a Florida corporation, hereinafter referred to as "**Contractor**."

**WITNESSETH**

**WHEREAS**, the County and the Contractor entered into County Contract No. 2015-062 ("Contract") for Sod, Installation and Seeding Services, effective December 9, 2014; and

**WHEREAS**, on May 7, 2015, the County and the Contractor executed Amendment No. 1, revising Exhibit A - Technical Specifications and Exhibit B - Fee Schedule; and

**WHEREAS**, the County and the Contractor now require an amendment to increase the initial three-year Contract amount and the per fiscal year not to exceed amount.

**NOW THEREFORE**, the County and the Contractor, in consideration of the mutual covenants contained herein, do agree to amend the Contract as follows:

1. The above recitals are true and correct and incorporated herein by reference.
2. Section III.A. COMPENSATION AND PAYMENT OF CONTRACTOR'S SERVICE is hereby replaced in its entirety with the following:

"The County shall pay the Contractor for the services rendered hereunder and completed in accordance with the terms and conditions of this Term Contract an amount not to exceed \$1,050,000.00 for the initial three year term. Of the total amount, payments per fiscal year shall not exceed \$350,000.00."

3. The pricing contained in Exhibit B - Fee Schedule, as amended, remains in effect, and a copy is attached hereto for administrative convenience.
4. Except as modified herein, all other terms, covenants, and conditions of the Contract shall remain in full force and effect.

Closure Item 5 - Vegetative Layer:  
Sodding  
Hydroseeding

**IN WITNESS WHEREOF**, the County and Contractor have executed this Amendment as of the last date written below.

WITNESS:

Sunbelt Sod & Grading Company:

Print Name: Ashley Triner

Print Name: Lesley Silva

Signed By: Ashley Triner

Signed By: Lesley Silva

Date: 2/8/16

Title: President

Date: 2-8-2016

SARASOTA COUNTY BOARD OF  
COUNTY COMMISSIONERS  
OF SARASOTA COUNTY, FLORIDA

BY: [Signature]

Thomas A. Harmer,  
County Administrator

DATE: 4/15/16

*Executed by the County  
Administrator Pursuant to  
Ordinance No. 2014-095 and  
Resolution No. 2014-220*

Approved as to form and correctness:

BY: [Signature]  
COUNTY ATTORNEY SEB

**IFB 142806HR Sod, Installation and Seeding Services  
EXHIBIT B – FEE SCHEDULE**

<b>Lot A</b>			
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>UNIT BID PRICE</b>
A.1	FLORITAM, DELIVERED AND INSTALLED	SQUARE FOOT	\$0.35
A.2	FLORITAM, DELIVERED AND INSTALLED (USING STAKES OR STAPLES)	SQUARE FOOT	\$0.35
A.3	ARGENTINE BAHIA, DELIVERED AND INSTALLED	SQUARE FOOT	\$0.21
A.4	ARGENTINE BAHIA, DELIVERED AND INSTALLED (USING STAKES OR STAPLES)	SQUARE FOOT	\$0.23
A.5	EMPIRE ZOYSA, DELIVERED AND INSTALLED	SQUARE FOOT	\$0.46
A.6	EMPIRE ZOYSA, DELIVERED AND INSTALLED (USING STAKES OR STAPLES)	SQUARE FOOT	\$0.46
A.7	CELEBRATION BERMUDA, DELIVERED AND INSTALLED	SQUARE FOOT	\$0.35
A.8	CELEBRATION BERMUDA, DELIVERED AND INSTALLED (USING STAKES AND STAPLES)	SQUARE FOOT	\$0.35
A.9	PENSACOLA BAHIA, DELIVERED AND INSTALLED	SQUARE FOOT	\$0.21
A.10	PENSACOLA BAHIA, DELIVERED AND INSTALLED (USING STAKES AND STAPLES)	SQUARE FOOT	\$0.23
A.11	MOT FOR ARTERIAL ROADWAYS	EACH	\$150.00
A.12	MOT FOR FDOT ROADWAYS	EACH	\$150.00
<b>Lot B</b>			
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>UNIT BID PRICE</b>
B.1	INSTALLATION OF HYDRO SEED UP TO 100 FT IN DISTANCE FROM PUMPING EQUIPMENT	SQUARE FOOT	\$0.05
B.2	INSTALLATION OF HYDRO SEED UP TO 100 FT IN DISTANCE FROM 100 FT TO 200 FT FROM PUMPING TRUCK WITH USE OF ADDITIONAL HOSE	SQUARE FOOT	\$0.05
B.3	INSTALLATION OF HYDRO SEED WITH TACKOFIER UP TO 100 FT IN DISTANCE FROM PUMPING EQUIPMENT	SQUARE FOOT	\$0.06
B.4	INSTALLATION OF HYDRO SEED WITH TACKOFIER FROM 100 FT TO 200 FT FROM PUMPING TRUCK WITH USE OF ADDITIONAL HOSE	SQUARE FOOT	\$0.06
B.5	SPECIALTY SEED -% MARK UP OVER SEED COST NOT TO EXCEED 5% (AMENDMENT NO. 1)	PERCENT	10%
B.6	MOT FOR ARTERIAL ROADWAYS	EACH	\$150.00
B.7	MOT FOR FDOT ROADWAYS	EACH	\$150.00

**AMENDMENT NO. 2  
TO COUNTY CONTRACT NO. 2013-450**

This Amendment is made and entered into upon execution by both parties by and between **Sarasota County**, a political subdivision of the State of Florida, hereinafter referred to as the "**County**," and **Woodruff & Sons, Inc.**, an Indiana corporation authorized to do business in the State of Florida, hereinafter referred to as "**Contractor**."

**WITNESSETH**

**WHEREAS**, the County and the Contractor entered into County Contract No. 2013-450 ("Contract") for UPC for roads, transit, trails, sidewalks and drainage, effective July 9, 2013; and

**WHEREAS**, on April 18, 2016, the County and the Contractor executed Amendment No. 1, renewing the term of the Contract and revising the Accepted Unit Price Schedule; and

**WHEREAS**, the County and the Contractor now require an amendment to renew the term of the Contract.

**NOW THEREFORE**, the County and the Contractor, in consideration of the mutual covenants contained herein, do agree to amend the Contract as follows:

1. The above recitals are true and correct and incorporated herein by reference.
2. The term of the Contract is hereby renewed for a period of one (1) year, effective July 9, 2017 through July 8, 2018.
3. The pricing contained in the Accepted Unit Price Schedule as last amended remains in effect, and a copy is attached hereto for administrative convenience.
4. §287.135, F.S., prohibits agencies from contracting with companies for goods or services of \$1,000,000 or more, that are on the Scrutinized Companies that Boycott Israel List, the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or are engaged in business operations in Cuba or Syria, or are engaged in a boycott of Israel. The lists are created pursuant to §215.473 and §215.4725, F.S. Contractor certifies that the organization is not listed on the Scrutinized Companies that Boycott Israel List, the Scrutinized

Closure Item 6 - Stormwater Control System:  
Piping  
Underdrains  
Control Structures

**IN WITNESS WHEREOF**, the County and the Contractor have executed this Amendment as of the last date written below.

WITNESS:

Woodruff & Sons, Inc.:

Print Name: Debra S. Smith

Print Name: Linda S. Wakeman

Signed By: Debra S. Smith

Signed By: Linda S. Wakeman

Title: Secretary

Date: 07-10-17

SARASOTA COUNTY BOARD OF  
COUNTY COMMISSIONERS  
OF SARASOTA COUNTY, FLORIDA

BY: [Signature]

*Acting Procurement Official*

DATE: 7/3/17

Executed by the Procurement Official  
pursuant to Chapter 4.1 (E) of the  
Sarasota County Procurement Manual

Approved as to form and correctness:

BY: [Signature]

COUNTY ATTORNEY

TRW

ACCEPTED UNIT PRICE SCHEDULE -- Bid #122213CS

Item No.	Description	Unit	Unit Price
430-721-422	18" HDPE, N12 (AMENDMENT 1)	LF	<del>\$23.04</del> \$23.00
430-721-423	24" HDPE, N12 (AMENDMENT 1)	LF	<del>\$33.06</del> \$33.00
430-721-434	30" HDPE, N12 (AMENDMENT 1)	LF	<del>\$38.06</del> \$38.00
430-721-425	36" HDPE, N12 (AMENDMENT 1)	LF	<del>\$43.06</del> \$43.00
430-721-426	42" HDPE, N12 (AMENDMENT 1)	LF	<del>\$48.06</del> \$48.00
430-721-427	48" HDPE, N12 (AMENDMENT 1)	LF	<del>\$53.06</del> \$53.00
430-721-428	54" HDPE, N12 (AMENDMENT 1)	LF	<del>\$58.06</del> \$58.00
430-721-429	60" HDPE, N12 (AMENDMENT 1)	LF	<del>\$63.06</del> \$63.00
430-731-421	12" HDPE, perforated w/sock (AMENDMENT 1)	LF	<del>\$35.06</del> \$35.00
430-731-423	15" HDPE, perforated w/sock (AMENDMENT 1)	LF	<del>\$35.06</del> \$35.00
430-830	Filling and plugging pipe (AMENDMENT 1)	CY	<del>\$250.43</del> \$250.00
430-950	Desilting concrete box culvert (AMENDMENT 1)	CY	<del>\$150.26</del> \$150.00
430-982-123	15" MES, CD (AMENDMENT 1)	EA	<del>\$1,502.55</del> \$1,500.00
430-982-125	18" MES, CD (AMENDMENT 1)	EA	<del>\$1,502.55</del> \$1,500.00
430-982-129	24" MES, CD (AMENDMENT 1)	EA	<del>\$1,502.55</del> \$1,500.00
430-982-133	30" MES, CD (AMENDMENT 1)	EA	<del>\$2,604.42</del> \$2,600.00
430-982-138	36" MES, CD (AMENDMENT 1)	EA	<del>\$3,005.10</del> \$3,000.00
430-982-201	12"x18" MES, CD (AMENDMENT 1)	EA	<del>\$1,502.55</del> \$1,500.00
430-982-202	14"x23" MES, CD (AMENDMENT 1)	EA	<del>\$1,502.55</del> \$1,500.00
430-982-203	19"x30" MES, CD (AMENDMENT 1)	EA	<del>\$2,203.74</del> \$2,200.00
430-982-204	24"x38" MES, CD (AMENDMENT 1)	EA	<del>\$3,005.10</del> \$3,000.00
430-982-205	29"x45" MES, CD (AMENDMENT 1)	EA	<del>\$3,005.10</del> \$3,000.00
430-984-205	29"x45" MES, SD (AMENDMENT 1)	EA	<del>\$4,006.80</del> \$4,000.00
430-984-SP1	15" MES, CMP, SD (AMENDMENT 1)	EA	<del>\$1,502.55</del> \$1,500.00
430-984-225	Concrete MES, for 18" Round Pipe, SD (AMENDMENT 1)	EA	<del>\$1,502.55</del> \$1,500.00
430-984-229	Concrete MES, for 24" Round Pipe, SD (AMENDMENT 1)	EA	<del>\$1,502.55</del> \$1,500.00
430-984-233	Concrete MES, for 30" Round Pipe, SD (AMENDMENT 1)	EA	<del>\$2,504.25</del> \$2,500.00
430-984-238	Concrete MES, for 36" Round Pipe, SD (AMENDMENT 1)	EA	<del>\$2,504.25</del> \$2,500.00

Piping

Closure Item 6 - Stormwater Control System:  
Piping  
Underdrains  
Control Structures

Control Structures

ACCEPTED UNIT PRICE SCHEDULE -- Bid #122213CS

Item No.	Description	Unit	Unit Price
430-984-239	Concrete MES, for 42" Round Pipe, SD (AMENDMENT 1)		
430-984-240	Concrete MES, for 48" Round Pipe, SD (AMENDMENT 1)		
430-984-241	Concrete MES, for 54" Round Pipe, SD (AMENDMENT 1)	EA	<del>\$2,500.00</del>
430-984-242	Concrete MES, for 60" Round Pipe, SD (AMENDMENT 1)	EA	<del>\$3,005.10</del> <del>\$3,000.00</del>
430-984-325	18" CMP MES, SD (AMENDMENT 1)	EA	<del>\$1,101.87</del> <del>\$1,100.00</del>
430-984-329	24" CMP MES, SD (AMENDMENT 1)	EA	<del>\$1,202.04</del> <del>\$1,200.00</del>
430-984-333	30" CMP MES, SD (AMENDMENT 1)	EA	<del>\$2,504.25</del> <del>\$2,500.00</del>
430-984-338	36" CMP MES, SD (AMENDMENT 1)	EA	<del>\$3,005.10</del> <del>\$3,000.00</del>
430-984-401	12"x18" MES, SD (AMENDMENT 1)	EA	<del>\$1,101.87</del> <del>\$1,100.00</del>
430-984-402	14"x23" MES, SD (AMENDMENT 1)	EA	<del>\$1,202.04</del> <del>\$1,200.00</del>
430-984-403	19"x30" MES, SD (AMENDMENT 1)	EA	<del>\$2,504.25</del> <del>\$2,500.00</del>
430-984-404	24"x38" MES, SD (AMENDMENT 1)	EA	<del>\$3,005.10</del> <del>\$3,000.00</del>
430-984-406	34"x53" MES, SD (AMENDMENT 1)	EA	<del>\$6,010.20</del> <del>\$6,000.00</del>
430-984-407	38"x60" MES, SD (AMENDMENT 1)	EA	<del>\$6,010.20</del> <del>\$6,000.00</del>
430-984-408	43"x68" MES, SD (AMENDMENT 1)	EA	<del>\$7,011.90</del> <del>\$7,000.00</del>
430-984-409	48"x76" MES, SD (AMENDMENT 1)	EA	<del>\$8,013.60</del> <del>\$8,000.00</del>
430-984-221	12" MES, SD (AMENDMENT 1)	EA	<del>\$1,001.70</del> <del>\$1,100.00</del>
430-984-223	15" MES, SD (AMENDMENT 1)	EA	<del>\$1,101.87</del> <del>\$1,100.00</del>
440-1A	Underdrain w/sock 6" pipe, HDPE (AMENDMENT 1)	LF	<del>\$30.05</del> <del>\$30.00</del>
440-70	Underdrain inspection box (AMENDMENT 1)	EA	<del>\$150.26</del> <del>\$150.00</del>
440-73	Underdrain outlet pipe 6" (AMENDMENT 1)	LF	<del>\$30.05</del> <del>\$30.00</del>
443-71	Ballast rock (AMENDMENT 1)	CY	<del>\$50.09</del> <del>\$50.00</del>
455-133	Sheet piling, steel, permanent (AMENDMENT 1)	SF	<del>\$50.09</del> <del>\$50.00</del>
455-133-1	Sheet piling, steel, temporary (AMENDMENT 1)	SF	<del>\$50.09</del> <del>\$50.00</del>
458-1	Bridge Deck Expansion Joint (AMENDMENT 1)	LF	<del>\$40.07</del> <del>\$40.00</del>
480-70-115	Transit shelter (42" X 112"): inventory, inspect, transport, assemble, construct (AMENDMENT 1)	EA	<del>\$1,803.06</del> <del>\$1,800.00</del>
480-70-116	Transit shelter (54" X 142"): inventory, inspect, transport, assemble, construct (AMENDMENT 1)	EA	<del>\$1,803.06</del> <del>\$1,800.00</del>
480-70-117	Transit shelter (77" X 183"): inventory, inspect, transport, assemble, construct (AMENDMENT 1)	EA	<del>\$1,803.06</del> <del>\$1,800.00</del>

Closure Item 6 - Stormwater Control System:  
Piping  
Underdrains  
Control Structures

Underdrain

ACCEPTED UNIT PRICE SCHEDULE -- Bid #122213CS

Item No.	Description	Unit	Unit Price
520-5	Traffic separator, variable (AMEND)		
522-1-3	Sidewalk, fibrous-reinforced, 4" (AMEND)		
522-21-3	Driveway, fibrous-reinforced, 6" (AMEND)		
522-2-3	Sidewalk, fibrous-reinforced, 6" (AMENDMENT 1)	SY	\$34.00
522-2	Slab, concrete, fibrous-reinforced, 8" (AMENDMENT 1)	SY	\$34.06
523-1	Patterned/Textured pavement (AMENDMENT 1)	SY	\$44.07
524-1-6	Concrete ditch pavement, 6" (AMENDMENT 1)	SY	\$41.00
524-2-4	Concrete slope pavement, 6" (AMENDMENT 1)	SY	\$100.17
526-1-1	Pavers, architectural, roadway (AMENDMENT 1)	SY	\$100.00
526-1-2	Pavers, architectural, sidewalk (AMENDMENT 1)	SY	\$80.14
527-1	Detectable warnings on walking surfaces (AMENDMENT 1)	SF	\$80.00
530-1	Riprap, sand-cement (AMENDMENT 1)	CY	\$80.14
530-3-4	Riprap, rubble (AMENDMENT 1)	TN	\$80.00
530-74	Bedding stone (AMENDMENT 1)	TN	\$95.16
536-1-1	Guardrail (AMENDMENT 1)	LF	\$95.00
536-2	Guardrail (shop-bent panels) (AMENDMENT 1)	LF	\$95.16
536-4	End anchorage assembly, type I, single (AMENDMENT 1)	EA	\$27.05
536-7	Special guardrail post (AMENDMENT 1)	EA	\$27.00
536-8	Bridge anchorage assembly (AMENDMENT 1)	EA	\$140.24
536-73	Removal of existing guardrail (AMENDMENT 1)	LF	\$140.00
536-75	Special steel guardrail posts with accessories (AMENDMENT 1)	EA	\$100.17
536-76	Special length guardrail posts (AMENDMENT 1)	EA	\$100.00
536-82	Guardrail anchorage (concrete barrier wall) (AMENDMENT 1)	EA	\$35.06
536-83	Guardrail post replacement (AMENDMENT 1)	EA	\$35.00
536-85	Guardrail, end anchorage assembly (AMENDMENT 1)	EA	\$20.03
536-SPI	Vehicle barrier, post and rope (AMENDMENT 1)	LF	\$20.00
538-1	Resetting guardrail (AMENDMENT 1)	LF	\$22.04
547-70-2	Riprap, fabric-formed concrete (AMENDMENT 1)	SY	\$22.00

Closure Item 6 - Stormwater Control System:  
Piping  
Underdrains  
Control Structures

Other (Filter Point Mat)

Closure Item 8 - Active Gas Extraction Control:  
Collection System  
Other (Wellheads)

CONTRACT NO. 2017-203  
BCC APPROVED 9/13/17

## CONSTRUCTION CONTRACT

Contract for **Phase II Subcells 1 & 2 LFG Collection and Control System Expansion, Bid #176597CS**

This Contract is made and entered into as of the date of execution by both parties, by and between Sarasota County, a political subdivision of the State of Florida (hereinafter "County") and **Carlson Environmental Consultants, PC** a North Carolina corporation authorized to do business in the State of Florida (hereinafter "Contractor").

### WITNESSETH:

- I. Construction Materials, Services, and Labor:** That for and in consideration of the mutual promises and covenants hereinafter contained, together with the money consideration hereinafter recited, the Contractor shall furnish all the labor, services and materials for the construction of **Phase II Subcells 1 & 2 LFG Collection and Control System Expansion, Bid #176597CS**. All work and labor shall be done in accordance with the plans and specifications on file with the County, as listed in Article III, receipt of which is hereby acknowledged and which plans and specifications are incorporated herein by reference.
- II. Contract Price:** In consideration of the work, labor, services and materials to be furnished by the Contractor, in accordance with said plans and specifications, the County agrees to pay to the Contractor, upon the completion and acceptance thereof by the County, or its duly authorized agent, the total contract price of One Million, Two Hundred Ninety-Four Thousand, Seven Hundred Dollars and Zero Cents (\$1,294,700.00). The total contract price includes a 10% contingency amount for unanticipated work within the scope of the project and may only be authorized at the discretion of the County's Administrative Agent.
- III. Contract Documents:** The contract documents, which comprise the entire contract between County and Contractor and which are made a part hereof by this reference, consist of the following:
1. Solicitation, and any addenda
  2. Bid Form
  3. Executed Sworn Statement: Florida Trench Safety Act
  4. Local Hiring Initiative Participation Form
  5. Stored Materials Affidavit
  6. Consent of Surety to Final Payment
  7. Final Affidavit and Release of Lien
  8. General Conditions
  9. Supplemental General Conditions & Special Conditions
  10. Technical Specifications
  11. Permits
  12. EPA Stormwater Management Guidance
  13. Underground Facility Damage Prevention and Safety Act
  14. Project drawings, 16 sheets, dated May 2017, prepared by SCS Engineers
  15. The Notice to Proceed issued by County
  16. Project Purchase Orders

Closure Item 8 - Active Gas Extraction Control:  
Collection System  
Other (Wellheads)

IN WITNESS WHEREOF, the parties have executed this Contract as of the date last below written.

WITNESS:

Signed By: [Signature]  
Print Name: Brent H. Ross

Carlson Environmental Consultants, PC

Signed By: [Signature]  
Print Name: SETH NUNES  
Title: VICE PRESIDENT  
Date: 8-7-17



**SARASOTA COUNTY**

BOARD OF COUNTY COMMISSIONERS  
OF SARASOTA COUNTY, FLORIDA

BY: [Signature]  
CHAIRMAN  
DATE: 9/13/17



ATTEST:

KAREN E. RUSHING, Clerk of the Circuit Court and Ex-Officio Clerk of the Board of County Commissioners

BY: [Signature]

Approved as to form and correctness:

BY: [Signature]  
COUNTY ATTORNEY SEB

PRICE SCHEDULE

**Sarasota County - Central County Solid Waste Disposal Complex  
Phase II Subcells 1 and 2 LFG Collection and Control System Expansion  
BID No. 176597CS**

**Closure Item 8 - Active Gas Extraction Control: GCCS Construction plus Well Replacement**

Bidders must provide prices for each line item for their bid to be considered responsive

Item No.	Description	Unit	Quantity	Unit Price (\$)	Amount (\$)
001	Mobilization/Demobilization (Maximum of 5% of Total Bid Price)	LS	1	\$ 60,000.00	\$ 60,000.00
002	Project Survey	LS	1	\$ 20,000.00	\$ 20,000.00
003	36" Diameter Bore with 8" HDPE SDR 11 Casing	LF	1,670	\$ 150.00	\$ 250,500.00
004	Boring Refusal	LF	251	\$ 10.00	\$ 2,505.00
005	LFG Wellheads - Vertical, Caisson, and Remote Wells	EA	41	\$ 1,200.00	\$ 49,200.00
006	24" Diameter HDPE SDR 17 Caisson Well Casing	EA	5	\$ 6,500.00	\$ 32,500.00
007	Phase II GCCS Construction - Subcell 1	EA	1	\$ 5,500.00	\$ 5,500.00
008	Phase II GCCS Construction - Subcell 2	EA	1	\$ 5,500.00	\$ 5,500.00
009	12" Diameter Casing for Road Crossing	LF	80	\$ 200.00	\$ 16,000.00
010	4" Dewatering Discharge Line Isolation Valves	EA	4	\$ 2,400.00	\$ 9,600.00
011	2" Air Supply Line Isolation Valves	EA	4	\$ 2,000.00	\$ 8,000.00
012	12" Diameter Casing for Road Crossing	LF	80	\$ 200.00	\$ 16,000.00
013	18" HDPE SDR 17 LFG Header Pipe	LF	825	\$ 60.00	\$ 49,500.00
014	12" HDPE SDR 17 LFG Header Pipe	LF	2,380	\$ 33.00	\$ 78,540.00
015	6" HDPE SDR 17 LFG Lateral Pipe	LF	3,990	\$ 15.00	\$ 59,850.00
016	6" HDPE SDR 17 Leachate Cleanout Pipe Tie-Ins	LF	1,200	\$ 18.50	\$ 22,200.00
017	4" HDPE SDR 11 Dewatering Discharge in Common Trench	LF	7,800	\$ 4.00	\$ 31,200.00
018	2" HDPE SDR 9 Air Line in Common Trench	LF	7,800	\$ 2.25	\$ 17,550.00
019	Vacuum Access Riser	EA	6	\$ 3,000.00	\$ 18,000.00
020	GCCS Construction	EA	27	\$ 2,592.59	\$ 70,000.00
021	Remaining Area Requiring GCCS	EA	36	\$ 268.75	\$ 9,725.00
022	Cost for Remaining GCCS Construction	EA	1	\$ 33,030.00	\$ 33,030.00
023	Sodding - Side Slopes	SY	32,000	\$ 2.80	\$ 89,600.00
024	60-mil Textured HDPE Geomembrane and Geocomposite - Repair Work	LS	1	\$ 36,000.00	\$ 36,000.00
025	Total GCCS Construction Cost Plus Well Replacement Cost at Time of Closure =				\$ 14,000.00
026	\$1,726,200 + \$167,353 = \$1,893,553				\$ 12,000.00
027					\$ 20,000.00
028	Gas Extraction Well Pumps - Supplied and Installed	EA	10	\$ 6,500.00	\$ 65,000.00
029	Waste Removal and Relocation	TON	1,000	\$ 30.00	\$ 30,000.00
030	Waste Disposal Tipping Fee Allowance	LS	1	\$ 20,000.00	\$ 20,000.00
031	Borrow Soil Excavation and Placement	CY	9,000	\$ 1.50	\$ 13,500.00
032	LFG Vertical Well Targets - Subcell 3	EA	4	\$ 2,500.00	\$ 10,000.00
<b>SUBTOTAL PRICE</b>					\$ 1,177,000.00
<b>Construction Contingency Allowance (10% of Subtotal Bid Price)</b>					\$ 117,700.00
<b>TOTAL BID PRICE</b>					\$ 1,294,700.00

TOTAL BID PRICE written in words:

One Million Two Hundred Ninety Four Thousand Seven Hundred Dollars and Zero Cents

**Closure Item 13 - Site-Specific Costs:  
Waste Tire Facility**

	PROJECT NUMBER: 19006-054-01	
	PROJECT NAME: Sarasota County WTPF Permit Renewal	
	SUBJECT: Closure Cost Calculations	
	BY: J. Toms	DATE: 5/11/2017
	CHECKED BY: G. Reinhart	DATE: 5/17/2017

**OBJECTIVE:** Calculate closure costs for a Waste Tire Processing Facility

**GIVEN:**

Description	Quantity	Unit	Reference
Storage Area Dimensions	180 x 50	feet	Site plan
Maximum tire pile height	15	feet	Facility Permit
total amount of tires stored at facility	500	tons	Facility Permit
conversion	100	tires/ton	DEP form 62-701.900(22)
conversion	10	tires/yd <sup>3</sup>	DEP form 62-701.900(22)
Tire disposal fee	130	\$/ton	Attachment D-2
Tire hauling cost	435	\$/30yd <sup>3</sup>	Attachment D-2

**CALCULATIONS:**

Verify storage area is of sufficient size:

$$\text{Storage area volume} = 180 \text{ ft} \times 50 \text{ ft} \times 15 \text{ ft} = 135,000 \text{ ft}^3$$

$$\text{Total tires that can be stored on site} = 135,000 \text{ ft}^3 \times \frac{1 \text{ yd}^3}{27 \text{ ft}^3} \times \frac{10 \text{ tires}}{\text{yd}^3} \times \frac{1 \text{ ton}}{100 \text{ tires}} = 500 \text{ tons}$$

Facility has sufficient space to store 500 tons of whole tires.

Calculate Disposal Cost:

$$= 500 \text{ tons} \times \frac{\$130}{\text{ton}} = \$65,000$$

Calculate Hauling Cost:

$$= 500 \text{ tons} \times \frac{100 \text{ tires}}{\text{ton}} \times \frac{\text{yd}^3}{10 \text{ tires}} \times \frac{\$435}{30 \text{ yd}^3} = \$72,500$$

Calculate Total Facility Closure Cost:

Total Tire disposal Cost =	\$ 137,500
Facility cleanup cost =	\$ 2,000 (based on 40 hours at \$50/hour)
10% contingency =	\$ 13,950
<b>Total Facility Closure Cost =</b>	<b>\$ 153,450</b>

CCSWDC  
C&DD and Class III MRF  
Financial Assurance Cost Estimate  
Date Updated: 9/12/2014

As part of closure of the MRF, all waste and recyclable materials will be removed. Financial Assurance for the MRF is included in the Financial Assurance for the Sarasota County Central County Solid Waste Disposal Complex. The closure cost estimate for the MRF is calculated below. It was assumed that the waste and recyclable materials would be at the maximum stockpile permitted capacity, and would be disposed of in the on-site Class I Landfill at the current tip fee for Class I solid waste of \$57.56 per ton. The floors will be cleaned/washed when the facility is closed. Leachate will be pumped to the Class I Landfill storage tanks (see note 1). Since all waste will be removed from the area upon closure, no long-term care is anticipated.

**CLOSURE COST ESTIMATE<sup>1</sup> (MRF Only)**

Description	Amount	Unit Cost	Total Cost
Disposal of the permitted stockpile at the on-site Class I Landfill	12,000 tons <sup>2</sup>	\$57.56/ton	\$690,720
Loading and Hauling waste one mile round trip from MRF to on-site Class I Landfill, \$10 per cubic yard.	48,000 CY	\$10/CY <sup>3</sup>	\$480,000
Cleaning/Pressure Washing	65,000 SF	\$0.13/SF <sup>4</sup>	\$8,450
Contingency @ 10% of Subtotal	1	\$117,917	\$117,917
Overhead, Profit and General Conditions @ 10% of Subtotal	1	\$129,709	\$129,709
<b>TOTAL CLOSURE COST ESTIMATE</b>			<b>\$1,426,796</b>

Notes:

- 1) Approximately 22,000 gallons of leachate will be accepted by the Class I Landfill leachate collection system at no cost; therefore, it is not included in the closure cost estimates for the MRF. Volume of storage on site based on the calculations provided in Table 1-2 MRF Storage Capacities.
- 2) Tonnage based on 48,000 cy at 500 lb/cy average density for C&D waste (see attached density estimation sheet from Florida Center study).
- 3) \$10.00/CY quote dated 9/1/2014 provided by Haul-Away of the Suncoast Inc. includes mileage.
- 4) \$0.13/SF quote dated 9/4/14 provided by Boro Building and Property Maintenance.  
Cost estimates attached.

Inflation adjustment:

$\$1,426,796 \times 1.015 \times 1.014 \times 1.009 \times 1.013 = \$1,500,950$



## Polk County BoCC (/)

Closure Item 13 - Site-Specific Costs: Special Wastes - Electronics, White Goods, HHW, Etc.



<https://www.facebook.com/polkcountygovfl>



<https://twitter.com/PolkCountyFL>



<https://www.youtube.com/user/polkcountyfl>



[/contact-us](#)



<https://member.everbridge.net/index/892807736724723#/overview>



[/pgtv](#)



[/social-media-wall](#)

[MENU](#)

Search the Site



## Landfill

### North Central Landfill

#### LOCATION

The landfill is located at 7425 DeCastro Road, Winter Haven, FL 33880, between Lakeland and Winter Haven, 4.5 miles east of U.S. 98 South on County Road 540.

#### HOURS

Monday through Friday 7 a.m. to 5 p.m.

Saturdays 7:30 a.m. to 12:30 p.m.

Closed Sunday and the following holidays:

New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day

#### PAYMENT

Cash, check, debit or credit cards are acceptable forms of payment Monday through day.

Credit cards are NOW accepted on Saturday.

For information on setting up a business account, please contact our office at (863) 284-4319.

All incoming loads are subject to a \$10 minimum fee and must be secured. No waste generated from outside Polk County will be accepted without prior written approval from the Board of County Commissioners.

**Accepted Materials****Rate****Closure Item 13 - Site-Specific Costs: Special Wastes - Electronics, White Goods, HHW, Etc.**

Garbage/Trash (Class 1)		\$36.50/ton
Yard Trash		\$22/ton
Construction and Demolition Debris		\$36.50/ton
Refrigerators and A/C Units (White Goods)		\$27.50/ton without Freon
		\$50/ton with Freon
Standard Passenger Vehicle Tires: No more than 24 tires accepted per visit		\$2/tire off rim
		\$5/tire on rim
Equipment/Semi Tires over 17"		\$175/ton
Scrap Metals	Assume 100 tons Special Waste requiring disposal at Special Handling Materials Cost	\$27.50/ton
Mobile Homes		\$495/side
Special Handling Materials (Requiring additional resources to process the load properly)		\$175/ton

**Unaccepted Materials:**

Hauling Cost Estimated Based on Waste Tire Hauling Cost  
 $\$72,500/500 \text{ tons tires} = \$145/\text{ton}$

- Bulk Liquids
- Pressurized tanks
- Commercial Quantities of liquids (55 Gallon drums)
- Ammunition/Explosives
- Biological Waste
- Asbestos
- Radioactive waste

Total Special Waste Hauling and Disposal Cost =  
 $100 \text{ tons} \times (\$145/\text{ton} + \$175/\text{ton}) = \$32,000$

Smoking is strictly prohibited while at the landfill.

If you have questions, call Waste and Recycling Division at (863) 284-4319.

The Polk County Board of County Commissioners is an equal opportunity and affirmative action (/equal-opportunity/equal-opportunity-action-plan) employer.

Polk County Board of County Commissioners

330 W. Church St.  
 PO Box 9005  
 Bartow, FL 33831-9005  
 (863) 534-6000

# Landfill

Closure Item 13 - Site-Specific Costs:  
Special Wastes - Yard Waste

## Landfill Overview

The Central County Solid Waste Disposal Complex (CCSWDC) is centrally located within Sarasota County and accepts residential, municipal and commercial garbage from the unincorporated areas of Sarasota, and from three municipalities (cities of North Port, Sarasota and Venice). Landfill operations are supported by the tipping fees collected for processing and/or disposal of materials received.

Sarasota County offers landfill customers a free, fast and easy service to make convenient and secure [online credit card payments](#).

## Hours of Operation

### Central County Solid Waste Disposal Complex

4000 Knights Trail Road, Nokomis

**Administration** Monday-Friday, 8 a.m.-5 p.m.

**Landfill and C&D** Monday-Friday, 8 a.m.-5 p.m.

**Landfill and C&D** Saturday, 8 a.m.-2 p.m.

### Citizens Convenience Center

4010 Knights Trail Road, Nokomis

Monday-Friday, 8 a.m.-5 p.m.

Saturday, 8 a.m.-2 p.m.

**NOTE:** All customers [unloading items by hand](#) need to arrive at least 30 minutes prior to closing.

[Public Access Map to Landfill](#) (Monday-Friday)

[Public Access Map to Landfill](#) (Saturday)

## Disposal Rates/Tipping Fees

Item	Amount
Solid Waste	\$57.56/ton \$7.50 minimum (up to 240lbs)
Construction and Demolition Debris	\$48.96/ton \$16.32/cubic yard for all vehicles (lesser of the two)
Waste Tire	\$158.60/ton \$2/each for individual passenger vehicle tires (up to 5)

Yard Waste	\$41.37/ton \$5 minimum (up to 240lbs)
Vehicle Weighing	\$5/each (documentation)
Sludge	\$75/ton
<u>Asbestos*</u>	\$57.56/ton (non-friable) \$75/ton (friable) \$10 minimum for all vehicles

Closure Item 13 - Site-Specific Costs:  
Special Wastes - Yard Waste

Rates effective Oct. 1, 2014

Soils, dredge materials, car wash and other similar special wastes require prior approval. Request form to the Special Waste Department at the County landfill.

Assume 3,000 tons of yard waste requiring disposal at current CCSWDC disposal rate of \$41.37 ton.  
  
3,000 tons x \$41.37 = \$124,110

and other similar waste disposal material to the Sarasota

Payment for disposal rates must be made with cash, credit card (Visa, MasterCard, American Express and Discover) or a debit card with a bank logo on it. Business or personal checks are not accepted.

\*For each load of asbestos brought to the Sarasota County landfill, haulers must complete a Waste Shipment Record form and schedule the drop-off at least 24 hours in advance by calling 941-861-5000. Asbestos will ONLY be accepted Monday-Friday, 8 a.m.-3 p.m. NOTE: The FDEP Notice of Demolition or Asbestos Renovation form must also be completed and returned to the appropriate agency.

## Landfill Gas to Energy Program

The Landfill Gas to Energy Facility at the CCSWDC is a joint project between Sarasota County and a private company, Landfill Energy Systems Florida (Aria Energy). The innovative technology demonstrates Sarasota County's commitment to clean energy and a sustainable future.

Methane, a greenhouse gas produced by the county's landfill, is converted into electricity that enters the power grid.

Three engines inside the building can produce as much as 4.8 megawatts of electricity, or enough to power 2,800 homes. The engines weigh about 20 tons each, have 20 cylinders and produce more than 2,200 horsepower apiece. Each engine uses about 500 cubic feet of landfill gas per minute.

### Landfill Gas to Energy Fast Facts

## Mulch

NEED MULCH? We've got it, thanks to the more than 300,000 cubic yards of vegetative storm debris generated by Hurricane Irma. The debris has been mulched and is now available to Sarasota County residents for residential use. It's available at the Central County Landfill, 4000 Knights Trail Road, Nokomis, between 8 a.m. to 4:30 p.m.,

Central County Solid Waste Disposal Complex  
 Cost Estimate for Monitoring Services  
 2018 Financial Assurance Cost Estimate



1. Groundwater Monitoring (62-701.510(6), and (8)(a))

Sampling Frequency (Events/Year)	Number of Wells	\$/Well/Event	\$/Year
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Semi-Annually	2	14	\$ 1,077.71	\$ 30,176.00
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<b>Subtotal Groundwater Monitoring:</b>			<b>\$</b>	<b>30,176.00</b>
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Estimates for above calculations:	\$/Year
<u>Total Annual Cost for Semi-Annual Groundwater Monitoring</u>	
Total Sampling Cost for Groundwater Monitoring Wells	\$ 7,794.00
Total Reporting Cost for Groundwater Monitoring Wells	\$ 13,950.00
Total Laboratory Analytical Cost for Groundwater Monitoring Wells	\$ 8,432.00
Total Cost for Groundwater Monitoring (Per Year)	* \$ 30,176.00

**Notes:** All costs are for a third party providing all materials and labor.

Number of wells based on FDEP Permit Modification No. 0130542-028-SO-IM Requirements of:

Semi-Annually:    1 Background Well  
                           9 Detection Wells  
                           4 Natural Attenuation Monitoring Wells

\* Slight Differences in Totals Due to Multiplication and Rounding of Unit Costs

Sarasota County SWDC  
 Costs Based on Current JE Costs for Alachua County Landfills - ENCO

**LTC Item 1 - Groundwater Monitoring:  
Semi-Annual**

Semiannual Groundwater Laboratory Costs - Per Event

Parameter	# Samples	# EqBlks	# TripBlks	Total Samples	Unit Cost	Total Cost
Ammonia	10	1	0	11	\$ 8.40	\$ 92.40
Chloride	10	1	0	11	\$ 8.40	\$ 92.40
Iron	10	1	0	11	\$ 7.30	\$ 80.30
Mercury	10	1	0	11	\$ 12.60	\$ 138.60
Nitrate	10	1	0	11	\$ 15.70	\$ 172.70
Sodium	10	1	0	11	\$ 7.30	\$ 80.30
Manganese	10	1	0	11	\$ 7.30	\$ 80.30
Sulfate	10	1	0	11	\$ 12.00	\$ 132.00
TDS	10	1	0	11	\$ 7.30	\$ 80.30
Appendix 1	10	1	0	11	\$ 245.00	\$ 2,695.00
Appendix 1 VOCs	0	0	2	2	\$ -	\$ -

Subtotal	\$ 3,644.30
ODC Markup	1.10
<b>Total</b>	<b>\$ 4,008.73</b>

**Rounded**      **\$ 4,009.00**

Semiannual NAM Wells Laboratory Costs - Per Event

Parameter	# Samples	# EqBlks	# TripBlks	Total Samples	Unit Cost	Total Cost
Ammonia	4	1	0	5	\$ 8.40	\$ 42.00
Iron	4	1	0	5	\$ 7.30	\$ 36.50
Manganese	4	1	0	5	\$ 7.30	\$ 36.50
Arsenic	4	1	0	5	\$ 7.30	\$ 36.50
TDS	4	1	0	5	\$ 7.30	\$ 36.50

Subtotal	\$ 188.00
ODC Markup	1.10
<b>Total</b>	<b>\$ 206.80</b>

**Rounded**      **\$ 207.00**

**Total Semiannual Laboratory Costs - Rounded**      **\$ 4,216.00**

Central County Solid Waste Disposal Complex  
 Cost Estimate for Monitoring Services  
 2018 Financial Assurance Cost Estimate



2. Surface Water Monitoring (62-701.510(4), and (8)(b))

Sampling Frequency (Events/Year)	Number of Stations	\$/Station/Event	\$/Year
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Semi-Annually	2	\$ 1,234.00	\$ 4,936.00
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**Subtotal Surface Water Monitoring: \$ 4,936.00**

<u>Estimates for above calculations:</u>	\$/Year
Total Annual Cost for Semi-Annual Surface Water Monitoring	
Total Sampling Cost for Surface Water Stations	\$ 810.00
Total Reporting Cost for Surface Water Stations	\$ 470.00
Total Laboratory Analytical Cost for Surface Water Stations	\$ 3,656.00
Total Costs Related to Surface Water Monitoring (Per Year)	* \$ 4,936.00

**Notes:** All costs are for a third party providing all materials and labor.

Number of stations based on FDEP Permit Modification No. 0130542-028-SO-IM Requirements of:

Semi-Annually: 2 Surface Water Stations

\* Slight Differences in Totals Due to Multiplication and Rounding of Unit Costs

LTC Item 2 - Surface Water Monitoring:  
Semi-Annual

Sarasota County SWDC  
Costs Based on Current JE Costs for Alachua County Landfills - ENCO

Annual Surface Water Laboratory Costs - Per Event

Parameter	# Samples	# EqBlks	# TripBlks	Total Samples	Unit Cost	Total Cost
Un-Ionized Ammonia	2	1	0	3	\$ 18.00	\$ 54.00
Hardness	2	1	0	3	\$ 10.00	\$ 30.00
BOD	2	1	0	3	\$ 15.70	\$ 47.10
Iron	2	1	0	3	\$ 7.30	\$ 21.90
Mercury	2	1	0	3	\$ 75.00	\$ 225.00
Nitrate	2	1	0	3	\$ 15.70	\$ 47.10
TDS	2	1	0	3	\$ 7.30	\$ 21.90
TOC	2	1	0	3	\$ 15.70	\$ 47.10
Fecal Coliform	2	1	0	3	\$ 21.00	\$ 63.00
Total Phosphorus	2	1	0	3	\$ 18.85	\$ 56.55
Chlorophyll A	2	1	0	3	\$ 45.00	\$ 135.00
Total Nitrogen	2	1	0	3	\$ 35.00	\$ 105.00
COD	2	1	0	3	\$ 15.70	\$ 47.10
TSS	2	1	0	3	\$ 8.40	\$ 25.20
Appendix 1	2	1	0	3	\$ 245.00	\$ 735.00
Appendix 1 VOCs	0	0	1	1	\$ -	\$ -

Subtotal	\$ 1,660.95
ODC Markup	1.10
Total	\$ 1,827.05

<b>Rounded</b>	<b>\$ 1,828.00</b>
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Central County Solid Waste Disposal Complex  
Cost Estimate for Monitoring Services  
2018 Financial Assurance Cost Estimate



3. Gas Monitoring (62-701.400(10))

Sampling Frequency (Events/Year)	Number of Stations	\$/Station/Event	\$/Year
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Quarterly	4	10	\$ 143.00	\$ 5,720.00
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**Subtotal Gas Monitoring: \$ 5,720.00**

Estimates for above calculations:	\$/Year
<u>Total Annual Cost for Quarterly Landfill Gas Monitoring</u>	
Total Sampling Cost for Landfill Gas Monitoring	\$ 2,260.00
Total Reporting Cost for Landfill Gas Monitoring	\$ 3,460.00
Total Cost Related to Landfill Gas Monitoring (Per Year)	* \$ 5,720.00

**Notes:** All costs are for a third party providing all materials and labor.

Number of stations based on FDEP Permit Modification No. 0130542-028-SO-IM Requirements of:

Quarterly: 4 Landfill Gas Monitoring Probes  
6 Ambient Points (Buildings / Structures/Other)

\* Slight Differences in Totals Due to Multiplication and Rounding of Unit Costs

**LTC Item 5 - Leachate Collection/Treatment Systems Maintenance: Maintenance**

Florida Jetelean



<b>IFB #122232KR</b>						
<b>CCSWDC Phase I and Phase II Leachate Collection System Water Jet Cleaning and Video Inspection</b>						
<i>Bidders must provide prices for each line item for their bid to be considered responsive.</i>						
ITEM	DESCRIPTION	UNIT OF MEASURE	UNIT BID PRICE		ESTIMATED QUANTITY <sup>1</sup>	EXTENDED BID PRICE
1	Phase I - Water Jet Cleaning & Video Inspection of Pipe Lines (due by 3/15/2013)	Lump Sum	\$ 9750	X	1	= \$ 9750
2	Phase II Cells 1 and 2 Sump Connection - Water Jet Cleaning & Video Inspection of Pipe Lines (due by 3/15/2013)	Lump Sum	\$ 717	X	1	= \$ 717
3	Phase II Cells 3 and 4 - Water Jet Cleaning & Video Inspection of Pipe Lines (due by 3/15/2013)	Lump Sum	\$ 18352	X	1	= \$ 18352
4	Water Jet Cleaning & Video Inspection of 6" Pipe Lines (As Requested per Attachment A Section 10)	Linear Feet	\$ 1.95	X	1,000	= \$ 1950
5	Water Jet Cleaning & Video Inspection of 8" Pipe Lines (As Requested per Attachment A Section 10)	Linear Feet	\$ 1.95	X	2,000	= \$ 3900
6	Water Jet Cleaning & Video Inspection of 10" Pipe Lines (As Requested per Attachment A Section 10)	Linear Feet	\$ 1.95	X	500	= \$ 975
7	Set up Fee (As Requested per Attachment A Section 10)	Each	\$ 100	X	10	= \$ 1000
8	Mobilization and Demobilization (As Requested per Attachment A Section 10)	Each	\$ 500	X	2	= \$ 1000
<b>TOTAL BID PRICE (sum of extended bid price line items 1-8)</b>						<b>\$37644</b>

The undersigned certifies that the bidder will provide products and/or services in accordance with the specifications of the IFB and all issued addendums at the rates listed above for the term of the Agreement.

TOTAL BID PRICE WRITTEN IN WORDS
Thirty Seven Thousand Six Hundred and Forty Four Dollars

<sup>1</sup>Estimated figure only. No guarantee is made or implied as to the actual quantities that will be acquired under resulting contracts. Quantities may increase or decrease during the term of the agreement, and offeror will be required to supply the products or services at the unit price quoted.

TERM CONTRACT FOR 153166TM HAULING, REMOVAL AND UNLOADING OF RAW SEWAGE FROM UTILITY FACILITIES

THIS TERM CONTRACT is made and entered into as of the date of execution by both parties, by and between Sarasota County, a political subdivision of the State of Florida, hereinafter referred to as the "County" and Innovative Fabricators of Florida, Inc. dba Innovative Contractors, a Florida corporation, hereinafter referred to as "Contractor."

WITNESSETH

WHEREAS, the County requires the services of a contractor to perform the hauling, removal and unloading of raw sewage from utility facilities; and,

WHEREAS, the County issued a solicitation 153166TM, on December 14, 2015; and,

WHEREAS, the County evaluated the responses received and found the Contractor qualified to perform the necessary services; and,

WHEREAS, the County approved a Notice of Recommended Award on February 16, 2016; and,

WHEREAS, the Contractor has reviewed the services required pursuant to this Term Contract and is qualified, willing and able to provide and perform all such services in accordance with its terms.

NOW, THEREFORE, the County and the Contractor, in consideration of the mutual covenants contained herein, do agree as follows:

I. CONTRACTOR'S SERVICES

The Contractor agrees to diligently provide all materials, services and labor as the Primary Contractor for Category 2- Removal of Raw Sewage using a Vacuum Truck, in accordance with the scope of services made part of this Term Contract as Exhibit A, attached hereto and incorporated herein.

II. TERM

This Term Contract shall commence on June 8, 2016 and shall continue for a period of three years. This Term Contract may be renewed for up to two additional one year periods subject to written agreement of both parties. This Term Contract will supersede Contractor's current contract with the County (designated as Bid No. 111347JA) and dated March 21, 2011.

FILED FOR RECORD... JUN 14 2016... CLERK OF THE CIRCUIT COURT... SARASOTA COUNTY, FL

**153166TM HAULING, UNLOADING AND REMOVAL OF RAW SEWAGE FROM  
UTILITY FACILITIES  
EXHIBIT B – FEE SCHEDULE**

CATEGORY 2-REMOVAL OF RAW SEWAGE USING A VACUUM TRUCK			
ITEM	DESCRIPTION	UNIT OF MEASURE	UNIT PRICE
1	HAULING RATE WITH DRIVER - STANDARD SERVICE HOURS	HOUR	\$140.00
2	HAULING RATE WITH DRIVER - AFTER HOURS	HOUR	\$160.00
3	STANDBY RATE WITH DRIVER-STANDARD SERVICE HOURS	HOUR	\$80.00
4	STANDBY RATE WITH DRIVER-AFTER HOURS	HOUR	\$80.00
5	TECHNICIAN	HOUR	\$40.00
6	MOT- TO BE REIMBURSED AT COST WITH PRIOR COUNTY APPROVAL.	N/A	COST

Assume 4 hours to clean each sump and lift station.  
  
4 hrs x (\$140/hr + \$40/hr) = \$720 per sump or lift station

**ASSUMPTION AGREEMENT  
TO TERM CONTRACT NO. 1529590100**

This Assumption Agreement is made effective as of the date of execution by and among **Sarasota County**, a political subdivision of the State of Florida ("County") and **Cascade Drilling, L.P.**, a Delaware Corporation authorized to do business in the State of Florida ("Assignee").

**WITNESSETH**

**WHEREAS**, the County and Terra Sonic International, LLC ("Assignor") entered into Term Contract No. 1529590100 ("Contract") for Groundwater Monitoring Wells, Piezometer Wells and Gas Migration Probes, effective April 27, 2015; and,

**WHEREAS**, the Assignee acquired the U.S. Drilling Services Division from Assignor in November 2015; and,

**WHEREAS**, the Assignee and the County now wish to memorialize the Assignee's assumption of all rights, duties and obligations of Assignor under the Contract.

**NOW, THEREFORE**, in consideration of the foregoing, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto covenant and agree as follows:

1. The foregoing recitals are true and correct and are incorporated herein by this reference.
2. The terms of the Assumption shall bind and inure to the benefit of the parties hereto and their respective heirs, legal representatives and successors and assigns.
3. Assignee hereby assumes, all of Assignor's rights, duties and obligations under the Contract.
4. Exhibit A - Scope of Services is unchanged but attached hereto for administrative convenience.
5. Exhibit B - Fee Schedule is unchanged but attached hereto for administrative convenience.
6. **IF THE ASSIGNEE HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE ASSIGNEE'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**Cascade Drilling, L.P.:**

Print Name: Aubrey Dominguez  
Signed By: [Signature]

Print Name: Sean Butler  
Signed By: [Signature]  
Title: COO  
Date: 10/05/16

**SARASOTA COUNTY**

BOARD OF COUNTY COMMISSIONERS  
OF SARASOTA COUNTY, FLORIDA

By: [Signature]  
Thomas A. Harmer,  
County Administrator

Date: 2/24/16  
*Executed by the County Administrator  
Pursuant to Ordinance No. 2016-019 and  
Resolution No. 2016-055*

Approved as to form and correctness:

BY: [Signature]  
COUNTY ATTORNEY SAB

LTC Item 6 - Groundwater Monitoring Wells Maintenance:  
Replacement

**IFQ 152959TM-GROUNDWATER MONITORING WELLS, PIEZOMETER WELLS  
AND GAS MIGRATION PROBES**

**EXHIBIT B – FEE SCHEDULE**

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>UNIT OF MEASURE</i>	<i>UNIT PRICE</i>
1	Groundwater Well Installation - Hollow Stem Auger- 2 inch diameter SCH 40 PVC with 0.010" slots	Per linear foot	<b>\$30.00</b>
2	Groundwater Well Installation - Hand Auger - 2 inch diameter SCH 40 PVC with 0.010" slots	Per linear foot	<b>\$25.00</b>
3	Well part- 4 inch x 5 foot long aluminum well protective box	Each	<b>\$100.00</b>
4	Well part- 6 inch x 5 foot long aluminum well protective box	Each	<b>\$205.00</b>
5	Well part- 8 inch diameter with 8 inch skirt well manhole, bolt-down	Each	<b>\$45.00</b>
6	Well part- 4 inch x 6 foot PVC cement filled bollard	Each	<b>\$65.00</b>
7	Well part- 2' X 2' X 4" thick concrete pad	Each	<b>\$75.00</b>
8	Probe Installation - Hollow Stem Auger- 1 inch diameter SCH 80 PVC with 0.010" slots	Per linear foot	<b>\$29.00</b>
9	Probe Installation - Hand Auger - 1 inch diameter SCH 80 PVC with 0.010" slots	Per linear foot	<b>\$24.00</b>
10	Probe Installation - Hollow Stem Auger- 2 inch diameter SCH 40 PVC with 0.010" slots	Per linear foot	<b>\$30.00</b>
11	Probe Installation - Hand Auger - 2 inch diameter SCH 40 PVC with 0.010" slots	Per linear foot	<b>\$24.00</b>
12	Groundwater Well Development	Hourly	<b>\$75.00</b>
13	Well/Probe Abandonment - 2"	Per linear foot	<b>\$12.00</b>
14	Well Abandonment 4"	Per Linear Foot	<b>\$16.00</b>
15	Probe Abandonment - 1"	Per linear foot	<b>\$10.00</b>
16	Repair/Maintenance of Wells	Hourly	<b>\$150.00</b>
17	Repair/Installation of Staff Gauges	Hourly	<b>\$75.00</b>
18	Boat Usage	Daily	<b>\$500.00</b>
19	Miscellaneous Supplies at cost plus markup	%	<b>9 %</b>

Well Replacement  
Assume 25 ft well depth, 2 bollards  
 $(\$30 \times 25 \text{ ft}) + \$100 + (\$65 \times 2) = \$980$

## CONSTRUCTION CONTRACT

Contract for **Phase II Subcells 1 & 2 LFG Collection and Control System Expansion, Bid #176597CS**

This Contract is made and entered into as of the date of execution by both parties, by and between Sarasota County, a political subdivision of the State of Florida (hereinafter "County") and **Carlson Environmental Consultants, PC** a North Carolina corporation authorized to do business in the State of Florida (hereinafter "Contractor").

### WITNESSETH:

- I. Construction Materials, Services, and Labor:** That for and in consideration of the mutual promises and covenants hereinafter contained, together with the money consideration hereinafter recited, the Contractor shall furnish all the labor, services, and materials for the construction of **Phase II Subcells 1 & 2 LFG Collection and Control System Expansion, Bid #176597CS**. All work and labor shall be done in accordance with the plans and specifications on file with the County, as listed in Article III, receipt of which is hereby acknowledged and which plans and specifications are incorporated herein by reference.
- II. Contract Price:** In consideration of the work, labor, services and materials to be furnished by the Contractor, in accordance with said plans and specifications, the County agrees to pay to the Contractor, upon the completion and acceptance thereof by the County, or its duly authorized agent, the total contract price of One Million, Two Hundred Ninety-Four Thousand, Seven Hundred Dollars and Zero Cents (\$1,294,700.00). The total contract price includes a 10% contingency amount for unanticipated work within the scope of the project and may only be authorized at the discretion of the County's Administrative Agent.
- III. Contract Documents:** The contract documents, which comprise the entire contract between County and Contractor and which are made a part hereof by this reference, consist of the following:
1. Solicitation, and any addenda
  2. Bid Form
  3. Executed Sworn Statement: Florida Trench Safety Act
  4. Local Hiring Initiative Participation Form
  5. Stored Materials Affidavit
  6. Consent of Surety to Final Payment
  7. Final Affidavit and Release of Lien
  8. General Conditions
  9. Supplemental General Conditions & Special Conditions
  10. Technical Specifications
  11. Permits
  12. EPA Stormwater Management Guidance
  13. Underground Facility Damage Prevention and Safety Act
  14. Project drawings, 16 sheets, dated May 2017, prepared by SCS Engineers
  15. The Notice to Proceed issued by County
  16. Project Purchase Orders

IN WITNESS WHEREOF, the parties have executed this Contract as of the date last below written.

WITNESS:

Carlson Environmental Consultants, PC

Signed By: [Signature]

Signed By: [Signature]

Print Name: Brent H. Ross

Print Name: SETH NUNES

Title: VICE PRESIDENT

Date: 8-7-17



**SARASOTA COUNTY**

BOARD OF COUNTY COMMISSIONERS  
OF SARASOTA COUNTY, FLORIDA

BY: [Signature]  
CHAIRMAN

DATE: 9/13/17



ATTEST:

KAREN E. RUSHING, Clerk of the Circuit Court and Ex-Officio Clerk of the Board of County Commissioners

BY: [Signature]

Approved as to form and correctness:

BY: [Signature]  
COUNTY ATTORNEY SEB

PRICE SCHEDULE

**Sarasota County - Central County Solid Waste Disposal Complex  
Phase II Subcells 1 and 2 LFG Collection and Control System Expansion**

**BID No. 176597CS**

**LTC Item 7 - Gas System Maintenance**

Bidders must provide prices for each line item for their bid to be considered responsive

Item No.	Description	Unit	Quantity	Unit Price (\$)	Amount (\$)	
001	Mobilization/Demobilization (Maximum of 5% of Total Bid Price)	LS	1	\$ 60,000.00	\$ 60,000.00	
002	Project Survey	LS	1	\$ 20,000.00	\$ 20,000.00	
003	36" Diameter Bore with 8" HDPE SDR 11 Casing	LF	1,670	\$ 150.00	\$ 250,500.00	
004	Boring Refusal	LF	251	\$ 10.00	\$ 2,505.00	
005	LFG Wellheads - Vertical, Caisson, and Remote Wells	EA	41	\$ 1,200.00	\$ 49,200.00	
006	24" Diameter HDPE SDR 17 Caisson Well Casing	EA	5	\$ 6,500.00	\$ 32,500.00	
007	Phase II LFGCCS Connection - North Slope	LS	1	\$ 5,500.00	\$ 5,500.00	
008	Phase II LFGCCS Connection - South Slope	LS	1	\$ 5,500.00	\$ 5,500.00	
009	12" Header Isolation Valves	EA	4	\$ 4,500.00	\$ 18,000.00	
010	4" Dewatering Discharge Line Isolation Valves	EA	4	\$ 2,400.00	\$ 9,600.00	
011	2" Air Supply Line Isolation Valves	EA	4	\$ 2,000.00	\$ 8,000.00	
012	12" Diameter Casing for Road Crossing	LF	80	\$ 200.00	\$ 16,000.00	
013	18" HDPE SDR 17 LFG Header Pipe	LF	825	\$ 60.00	\$ 49,500.00	
014	12" HDPE SDR 17 LFG Header Pipe	LF	2,380	\$ 33.00	\$ 78,540.00	
015	6" HDPE SDR 17 LFG Lateral Pipe	LF	3,990	\$ 15.00	\$ 59,850.00	
016	6" HDPE SDR 17 Leachate Cleanout Pipe Tie-Ins	LF	1,200	\$ 18.50	\$ 22,200.00	
017	4" HDPE SDR 11 Dewatering Discharge in Common Trench	LF	7,800	\$ 4.00	\$ 31,200.00	
018	2" HDPE SDR 9 Air Line in Common Trench	LF	7,800	\$ 2.25	\$ 17,550.00	
019	Vacuum Access Riser	EA	6	\$ 3,000.00	\$ 18,000.00	
020	<p style="text-align: center; color: red;">                     GCCS Construction Unit Cost = \$1,294,700 / 27 acres = \$47,950/acre                      Portion of the GCCS Replaced on an Annual Basis as Maintenance = 4 acres                      Additional FS to Account for Additional Maintenance Items and Blower Station = 1.5                      Corrected Acreage including FS = (1.5) x (4 acres) = 6 acres                      Annual Cost for Maintenance = (6 acres) x (\$47,950/acre) = \$287,700                 </p>					00.00
021						25.00
022						30.00
023						00.00
024						00.00
025	60-mil Thermoplastic Polyolefin (TPO) Exposed Geomembrane Cover Liner - Repair Work	LS	1	\$ 14,000.00	\$ 14,000.00	
026	60-mil Thermoplastic Polyolefin (TPO) - Supplied Only	ROLL	2	\$ 6,000.00	\$ 12,000.00	
027	Gas Extraction Well Pumps - Supplied Only	EA	5	\$ 4,000.00	\$ 20,000.00	
028	Gas Extraction Well Pumps - Supplied and Installed	EA	10	\$ 6,500.00	\$ 65,000.00	
029	Waste Removal and Relocation	TON	1,000	\$ 30.00	\$ 30,000.00	
030	Waste Disposal Tipping Fee Allowance	LS	1	\$ 20,000.00	\$ 20,000.00	
031	Borrow Soil Excavation and Placement	CY	9,000	\$ 1.50	\$ 13,500.00	
032	LFG Vertical Well Targets - Subcell 3	EA	4	\$ 2,500.00	\$ 10,000.00	
<b>SUBTOTAL PRICE</b>					\$ 1,177,000.00	
<b>Construction Contingency Allowance (10% of Subtotal Bid Price)</b>					\$ 117,700.00	
<b>TOTAL BID PRICE</b>					\$ 1,294,700.00	
<b>TOTAL BID PRICE written in words:</b>						
One Million Two Hundred Ninety Four Thousand Seven Hundred Dollars and Zero Cents						

**TERM CONTRACT FOR  
176643PMB – ROUGH CUT MOWING SERVICES FOR BEE RIDGE LANDFILL  
SITE-SITE 1**

**THIS TERM CONTRACT** is made and entered into as of the date of execution by both parties, by and between Sarasota County, a political subdivision of the State of Florida, hereinafter referred to as the "County" and Walkers Services, Inc., a Florida corporation, hereinafter referred to as "Contractor."

**WITNESSETH**

**WHEREAS**, the County requires the services of a Contractor to perform Rough Cut Mowing Services for Bee Ridge Landfill Site-Site 1; and,

**WHEREAS**, the County issued a solicitation, IFQ 176643PMB on April 21, 2017; and,

**WHEREAS**, the County evaluated the responses received and found the Contractor qualified to perform the necessary services for Site 1; and,

**WHEREAS**, the County approved a Notice of Recommended Award on June 9, 2017; and,

**WHEREAS**, the Contractor has reviewed the services required pursuant to this Term Contract and is qualified, willing and able to provide and perform all such services in accordance with its terms.

**NOW, THEREFORE**, the County and the Contractor, in consideration of the mutual covenants contained herein, do agree as follows:

**I. CONTRACTOR'S SERVICES**

The Contractor agrees to diligently provide all materials, services and labor for Rough Cut Mowing Services for Bee Ridge Landfill Site-Site 1 in accordance with the Scope of Services made part of this Term Contract as Exhibit A, attached hereto and incorporated herein.

**II. TERM**

This Term Contract shall commence immediately upon execution by both the County and the Contractor and shall continue for a period of three years. This Term Contract may be renewed for up to two additional one year periods subject to written agreement of both parties.

**III. COMPENSATION AND PAYMENT OF CONTRACTOR'S SERVICE**

A. The County shall pay the Contractor for the services rendered hereunder and completed in accordance with the terms and conditions of this Term Contract a total amount not to exceed ninety thousand dollars and zero cents (\$90,000.00) for the initial three-year term.

**TERM CONTRACT FOR  
176643PMB - ROUGH CUT MOWING SERVICES FOR BEE RIDGE LANDFILL  
SITE-SITE 1**

**IN WITNESS WHEREOF**, the parties have executed this Term Contract as of the date last below written.

WITNESS: WALKERS SERVICES, INC.  
Signed By: [Signature] Signed By: [Signature]  
Print Name: Clifford Walker Print Name: LISA WALKER  
Title: CEO  
Date: 6/21/17

**SARASOTA COUNTY**

BOARD OF COUNTY COMMISSIONERS  
OF SARASOTA COUNTY, FLORIDA

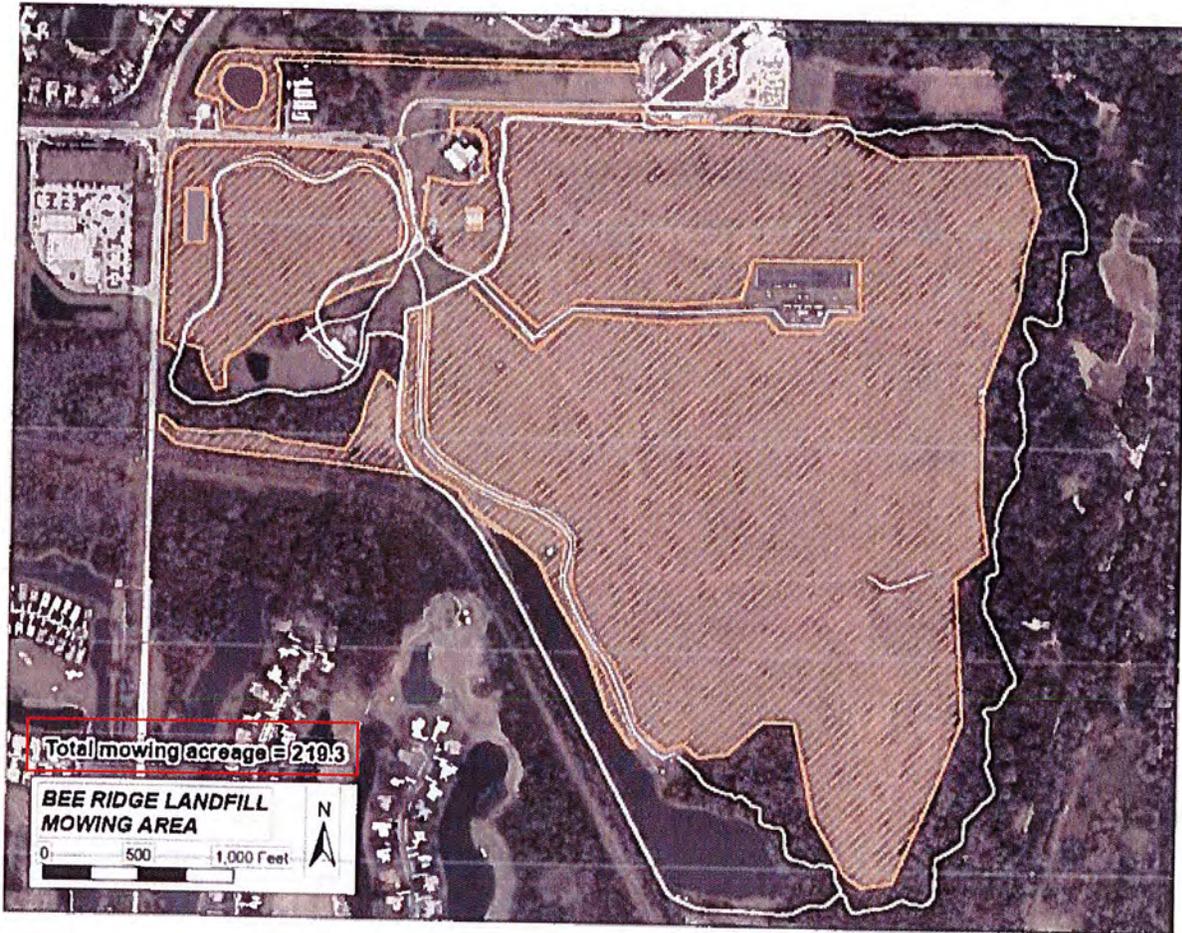
BY: [Signature]  
Acting Procurement Official

DATE: 8/25/2017

*Executed by the Procurement Official,  
pursuant to Chapter 4.1 (E) of the  
Sarasota County Procurement Manual*

Approved as to form and correctness:  
BY: [Signature]  
COUNTY ATTORNEY [Signature]

**176643PMB ROUGH CUT MOWING SERVICES FOR BEE RIDGE LANDFILL  
SITE-SITE 1  
ATTACHMENT 1 - BEE RIDGE LANDFILL MOWING AREA**



**RECEIVED** February 28, 2018  
South District DEP



**176643PMB ROUGH CUT MOWING SERVICES FOR BEE RIDGE LANDFILL  
SITE-SITE 1  
EXHIBIT B – FEE SCHEDULE**

LTC Item 8 - Landscape Maintenance:  
Mowing

ITEM#	DESCRIPTION	UNIT OF MEASURE	PRICE
1	Rough Cut Mowing Services for Bee Ridge Landfill Site-Site 1	PER CYCLE	\$4,180.00

Mowing:  
\$4,180/220 AC = \$19/AC

**AMENDMENT NO. 2  
TO COUNTY CONTRACT NO. 2015-062**

This Amendment is made and entered into upon execution by both parties by and between **Sarasota County**, a political subdivision of the State of Florida, hereinafter referred to as the "**County**," and **Sunbelt Sod & Grading Company**, a Florida corporation, hereinafter referred to as "**Contractor**."

**WITNESSETH**

**WHEREAS**, the County and the Contractor entered into County Contract No. 2015-062 ("Contract") for Sod, Installation and Seeding Services, effective December 9, 2014; and

**WHEREAS**, on May 7, 2015, the County and the Contractor executed Amendment No. 1, revising Exhibit A - Technical Specifications and Exhibit B - Fee Schedule; and

**WHEREAS**, the County and the Contractor now require an amendment to increase the initial three-year Contract amount and the per fiscal year not to exceed amount.

**NOW THEREFORE**, the County and the Contractor, in consideration of the mutual covenants contained herein, do agree to amend the Contract as follows:

1. The above recitals are true and correct and incorporated herein by reference.
2. Section III.A. COMPENSATION AND PAYMENT OF CONTRACTOR'S SERVICE is hereby replaced in its entirety with the following:

"The County shall pay the Contractor for the services rendered hereunder and completed in accordance with the terms and conditions of this Term Contract an amount not to exceed \$1,050,000.00 for the initial three year term. Of the total amount, payments per fiscal year shall not exceed \$350,000.00."

3. The pricing contained in Exhibit B - Fee Schedule, as amended, remains in effect, and a copy is attached hereto for administrative convenience.
4. Except as modified herein, all other terms, covenants, and conditions of the Contract shall remain in full force and effect.

**IN WITNESS WHEREOF**, the County and Contractor have executed this Amendment as of the last date written below.

WITNESS:

Sunbelt Sod & Grading Company:

Print Name: Ashley Triner

Print Name: Lesley Silva

Signed By: Ashley Triner

Signed By: Lesley Silva

Date: 2/8/16

Title: President

Date: 2-8-2016

SARASOTA COUNTY BOARD OF  
COUNTY COMMISSIONERS  
OF SARASOTA COUNTY, FLORIDA

BY: [Signature]

Thomas A. Harmer,  
County Administrator

DATE: 4/15/16

*Executed by the County  
Administrator Pursuant to  
Ordinance No. 2014-095 and  
Resolution No. 2014-220*

Approved as to form and correctness:

BY: [Signature]  
COUNTY ATTORNEY SEB

**IFB 142806HR Sod, Installation and Seeding Services  
EXHIBIT B - FEE SCHEDULE**

<b>Lot A</b>			
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>UNIT BID PRICE</b>
A.1	FLORITAM, DELIVERED AND INSTALLED	SQUARE FOOT	\$0.35
A.2	FLORITAM, DELIVERED AND INSTALLED (USING STAKES OR STAPLES)	SQUARE FOOT	\$0.35
A.3	ARGENTINE BAHIA, DELIVERED AND INSTALLED	SQUARE FOOT	\$0.21
A.4	ARGENTINE BAHIA, DELIVERED AND INSTALLED (USING STAKES OR STAPLES)	SQUARE FOOT	\$0.23
A.5	EMPIRE ZOYSA, DELIVERED AND INSTALLED	SQUARE FOOT	\$0.46
A.6	EMPIRE ZOYSA, DELIVERED AND INSTALLED (USING STAKES OR STAPLES)	SQUARE FOOT	\$0.46
A.7	CELEBRATION BERMUDA, DELIVERED AND INSTALLED	SQUARE FOOT	\$0.35
A.8	CELEBRATION BERMUDA, DELIVERED AND INSTALLED (USING STAKES AND STAPLES)	SQUARE FOOT	\$0.35
A.9	PENSACOLA BAHIA, DELIVERED AND INSTALLED	SQUARE FOOT	\$0.21
A.10	PENSACOLA BAHIA, DELIVERED AND INSTALLED (USING STAKES AND STAPLES)	SQUARE FOOT	\$0.23
A.11	MOT FOR ARTERIAL ROADWAYS	EACH	\$150.00
A.12	MOT FOR FDOT ROADWAYS	EACH	\$150.00
<b>Lot B</b>			
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>UNIT BID PRICE</b>
B.1	INSTALLATION OF HYDRO SEED UP TO 100 FT IN DISTANCE FROM PUMPING EQUIPMENT	SQUARE FOOT	\$0.05
B.2	INSTALLATION OF HYDRO SEED UP TO 100 FT IN DISTANCE FROM 100 FT TO 200 FT FROM PUMPING TRUCK WITH USE OF ADDITIONAL HOSE	SQUARE FOOT	\$0.05
B.3	INSTALLATION OF HYDRO SEED WITH TACKOFIER UP TO 100 FT IN DISTANCE FROM PUMPING EQUIPMENT	SQUARE FOOT	\$0.06
B.4	INSTALLATION OF HYDRO SEED WITH TACKOFIER FROM 100 FT TO 200 FT FROM PUMPING TRUCK WITH USE OF ADDITIONAL HOSE	SQUARE FOOT	\$0.06
B.5	SPECIALTY SEED -% MARK UP OVER SEED COST NOT TO EXCEED 5% (AMENDMENT NO. 1)	PERCENT	10%
B.6	MOT FOR ARTERIAL ROADWAYS	EACH	\$150.00
B.7	MOT FOR FDOT ROADWAYS	EACH	\$150.00

Contract Type: CC STATEWIDE  
Displaying: VALID ITEMS WITH HITS  
From: 0102 1 To: 9999999

Item	No. of Cnts	Weighted Average	Total Amount	Total Quantity	Unit Meas	Obs?	Description
0120 74	3	\$4.93	\$209,069.23	42,420.000	CY	N	SURCHARGE EMBANKMENT
0121 70	16	\$211.19	\$287,763.96	1,362.600	CY	N	FLOWABLE FILL
0125 1	6	\$12.61	\$36,548.30	2,899.400	CY	N	EXCAVATION FOR STRUCTURES
0125 3	2	\$102.62	\$16,850.00	164.200	CY	N	SELECT BEDDING MATERIAL
0141 70	6	\$1,377.26	\$97,785.20	71.000	AS	N	SETTLEMENT PLATE ASSEMBLY
0145 1	3	\$3.97	\$288,706.60	72,720.000	SF	N	GEOSYNTHETIC REINFORCED SOIL SLOPE
0145 2	13	\$1.66	\$352,362.11	212,421.000	SY	N	GEOSYNTHETIC REINF END OVER SOFT SOIL
0145 71	1	\$6.48	\$4,756.32	734.000	SY	N	REINFORCEMENT GRID FOR SOIL STABILIZAT
0145 72	1	\$36.50	\$27,229.00	746.000	SY	N	CELLULAR CONFINEMENT FOR SOIL STABILIZAT
0160 4	133	\$4.09	\$19,171,853.43	4,683,888.000	SY	N	TYPE B STABILIZATION
0160 4900	1	\$1.75	\$1,757,579.25	1,004,331.000	SY	N	TYPE B STABILIZ, PROJ 405270-1,-3,-4
0162 1 11	85	\$-55	\$3,114,289.43	5,646,073.000	SY	N	PREPARED SOIL LAYER, FINISH SOIL, 6"
0162 1 12	7	\$2.89	\$68,559.10	23,761.000	SY	N	PREPARED SOIL LAYER, FINISH SOIL, 12"
0173 76	1	\$11.00	\$233,860.00	21,260.000	LF	N	GROUT PIPE INSTALLATION
0173 77 1	2	\$139.44	\$640,592.00	4,594.000	CY	N	SUBSURF PRESSURE GROUTING, SAND CEM
0210 1 1	1	\$10.00	\$21,770.00	2,177.000	SY	N	REWORKING LIMEROCK BASE, 6"
0210 1 8	2	\$18.92	\$12,790.00	676.000	SY	N	REWORKING LIMEROCK BASE, 4"
0210 1 9	5	\$4.33	\$83,882.72	19,374.000	SY	N	REWORKING LIMEROCK BASE, 3"
0210 2	2	\$37.28	\$17,778.89	476.900	CY	N	LIMEROCK-NEW MATERIAL FOR REMORKING BASE
0285701	75	\$14.19	\$12,689,108.87	894,260.000	SY	N	OPTIONAL BASE, BASE GROUP 01
0285701900	1	\$4.25	\$1,299,607.50	305,790.000	SY	N	OPTIONAL BASE, BASE GROUP 01, 405270-IETC
0285702	7	\$14.36	\$1,535,599.64	106,945.000	SY	N	OPTIONAL BASE, BASE GROUP 02
0285703	5	\$10.52	\$224,153.32	21,300.000	SY	N	OPTIONAL BASE, BASE GROUP 03
0285704	16	\$9.97	\$1,193,963.56	119,762.000	SY	N	OPTIONAL BASE, BASE GROUP 04
0285705	6	\$13.33	\$2,298,161.31	172,465.000	SY	N	OPTIONAL BASE, BASE GROUP 05
0285706	44	\$14.44	\$4,445,460.31	307,878.000	SY	N	OPTIONAL BASE, BASE GROUP 06
0285707	5	\$20.51	\$508,492.45	24,797.000	SY	N	OPTIONAL BASE, BASE GROUP 07
0285708	2	\$26.26	\$637,840.50	24,291.000	SY	N	OPTIONAL BASE, BASE GROUP 08
0285709	66	\$16.46	\$20,458,899.49	1,242,925.000	SY	N	OPTIONAL BASE, BASE GROUP 09
0285709900	1	\$10.00	\$5,014,800.00	501,480.000	SY	N	OPTIONAL BASE, BASE GROUP 09, 405270-IETC
0285710	14	\$15.29	\$14,144,932.53	925,099.000	SY	N	OPTIONAL BASE, BASE GROUP 10
0285711	15	\$17.58	\$2,983,706.90	169,685.000	SY	N	OPTIONAL BASE, BASE GROUP 11
0285712	5	\$19.58	\$3,192,187.37	163,036.000	SY	N	OPTIONAL BASE, BASE GROUP 12
0285713	8	\$37.85	\$1,721,151.44	45,470.000	SY	N	OPTIONAL BASE, BASE GROUP 13
0285714	1	\$56.45	\$36,297.35	643.000	SY	N	OPTIONAL BASE, BASE GROUP 14
0285715	17	\$54.06	\$1,740,595.67	32,195.000	SY	N	OPTIONAL BASE, BASE GROUP 15
0286 1	40	\$20.88	\$744,209.99	35,649.400	SY	N	TURNOUT CONSTRUCTION
0286 2	12	\$161.22	\$223,140.23	1,384.100	TN	N	TURNOUT CONSTRUCTION-ASPHALT
0287 1	2	\$441.58	\$21,240.00	48.100	CY	N	ASPHALT TREATED PERMEABLE BASE
0327 70 1	55	\$2.30	\$2,526,047.62	1,100,602.000	SY	N	MILLING EXIST ASPH PAVT, 1" AVG DEPTH

LTC 9 - Erosion and Cover Maintenance:  
Regrading



The Plastics Experts.

AGRU America, Inc.  
500 Garrison Road  
Georgetown, SC 29440  
Phone: 1-843-546-0600

January 10, 2018

Geomembrane cost =  $(\$0.30 \times 900 \text{ SF}) + (\$0.15 \times 900 \text{ SF}) + \$3,000 \text{ mobilization} = \$3,405$   
Unit Cost =  $\$3,405/900 \text{ SF} = \$3.79 / \text{SF}$

Jones Edmunds & Associates, Inc.  
730 NE Waldo Road  
Gainesville, FL 32641

RE: **Sarasota County Central Landfill Closure – Requested Budgetary Pricing**

Agru America is pleased to provide the following budget pricing for the requested geosynthetic profile(s). Budget pricing options include a 40mil LLDPE MicroSpike and Geocomposite system as Option #1 and a 50 mil LLDPE MicroDrain geomembrane and geotextile as Option #2. As discussed, ClosureTurf may work well in this application if you would want to evaluate further.

**Requested Geosynthetic Closure System #1**

This geosynthetic closure system includes a standard 40 mil LLDPE MicroSpike geomembrane with 8-200-8 geocomposite.

Description	Quantity (SF)	Unit Price (\$/SF)	Total
40 mil MicroSpike LLDPE - Material	2,700,000	\$ 0.30	\$ 810,000.00
40 mil MicroSpike LLDPE - Installation	2,700,000	\$ 0.15	\$ 405,000.00
8/200/8 Geocomposite - Material	2,700,000	\$ 0.46	\$ 1,242,000.00
8/200/8 Geocomposite - Installation	2,700,000	\$ 0.13	\$ 351,000.00
<b>Total Budget for Conventional</b>			<b>\$ 2,808,000.00</b>

\*Material budget pricing includes estimated freight to Sarasota, FL but no taxes. Installation budget pricing assumes non-union/non-prevailing wage rates.  
\*A 200 mil Geocomposite product is unlikely to meet the site specific requirements of a highly permeable cover soil typically found in FL.

**Requested Geosynthetic Closure System #2**

This geosynthetic closure system includes a standard 50 mil LLDPE MicroDrain geomembrane with 8 oz nonwoven geotextile.

Description	Quantity (SF)	Unit Price (\$/SF)	Total
50 mil LLDPE MicroDrain - Material	2,700,000	\$ 0.55	\$ 1,485,000.00
50 mil LLDPE MicroDrain - Installation	2,700,000	\$ 0.18	\$ 486,000.00
Agrutex 081 Nonwoven Geotextile - Material	2,700,000	\$ 0.11	\$ 297,000.00
Agrutex 081 Nonwoven Geotextile - Installation	2,700,000	\$ 0.10	\$ 270,000.00
<b>Total Budget for MicroDrain Option</b>			<b>\$ 2,538,000.00</b>

\*Material budget pricing includes estimated freight to Sarasota, FL but no taxes. Installation budget pricing assumes non-union/non-prevailing wage rates.

LTC Item 9 - Erosion Control and Cover Maintenance:  
Geosynthetics

We would recommend performing design shear strength and transmissivity testing specific to your project needs. We can supply material samples for this testing when appropriate and answer any questions you may have. Thank you for reaching out to us and please feel free to contact me to discuss further at [ceichelberger@agruamerica.com](mailto:ceichelberger@agruamerica.com) or 330.606.8970.

Sincerely,



Chris Eichelberger  
Agru America

**TERM CONTRACT FOR**  
**163193JLS Canal and Drainage System Maintenance and Clearing**

**THIS TERM CONTRACT** is made and entered into as of the date of execution by both parties, by and between Sarasota County, a political subdivision of the State of Florida, hereinafter referred to as the "County" and Rick Richards, Inc., a Florida corporation, hereinafter referred to as "Contractor."

**WITNESSETH**

**WHEREAS**, the County requires the services of a contractor to perform canal and drainage system maintenance and clearing; and,

**WHEREAS**, the County issued a solicitation, 163193JLS on January 7, 2016, and,

**WHEREAS**, the County evaluated the responses received and found the Contractor qualified to perform the necessary services; and,

**WHEREAS**, the County approved a Notice of Recommended Award on March 4, 2016; and,

**WHEREAS**, the Contractor has reviewed the services required pursuant to this Term Contract and is qualified, willing and able to provide and perform all such services in accordance with its terms.

**NOW, THEREFORE**, the County and the Contractor, in consideration of the mutual covenants contained herein, do agree as follows:

**I. CONTRACTOR'S SERVICES**

The Contractor agrees to diligently provide all materials, services and labor for the performance of canal and drainage system maintenance and clearing, in accordance with the scope of services made part of this Term Contract as Exhibit A, attached hereto and incorporated herein.

**II. TERM**

This Term Contract shall commence immediately upon execution by both the County and the Contractor and shall continue for a period of three years. This Term Contract may be renewed for up to two additional one year periods subject to written agreement of both parties.

**III. COMPENSATION AND PAYMENT OF CONTRACTOR'S SERVICE**

A. The County shall pay the Contractor for the services rendered hereunder and completed in accordance with the terms and conditions of this Term Contract a total amount not to exceed two million two hundred and fifty thousand dollars and zero cents (\$2,250,000.00) for the initial three-year term. Payments shall not exceed seven hundred and fifty thousand dollars and zero cents (\$750,000.00) per fiscal year.

FILED  
CLERK OF THE CIRCUIT COURT  
SARASOTA COUNTY FL  
MAY 12 2016 11:53 AM

**163193JLS Canal and Drainage System Maintenance and Clearing  
EXHIBIT B - FEE SCHEDULE**

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
1	2.1 - Canal and Drainage System Maintenance	Linear Foot	\$0.73
2	2.2 - Maintenance of Phillippi Creek Parallel Storage Facility	Each	\$325.00
3	2.3.3 - Vertical Vegetation Trimming	Square Foot	\$1.00
4	2.3.4 - Woody Vegetation Removal	Square Foot	\$0.10
5	2.3.5 - Overgrown or Past Due Maintenance	Square Foot	\$0.10
6	3.0 - Excess Litter Removal	Hour	\$1.00

**TERM CONTRACT FOR  
IFB 166406MZ FENCE INSTALLATION AND REPAIR SERVICES**

**THIS TERM CONTRACT** is made and entered into as of the date of execution by both parties, by and between Sarasota County, a political subdivision of the State of Florida, hereinafter referred to as the "County" and Bodi and Associates, Inc., a Florida profit corporation, hereinafter referred to as "Contractor."

**WITNESSETH**

**WHEREAS**, the County requires the services of a Contractor to perform fence installation and repair services; and,

**WHEREAS**, the County issued a solicitation, 166406MZ on May 4, 2016; and,

**WHEREAS**, the County evaluated the responses received and found the Contractor qualified to perform the necessary services; and,

**WHEREAS**, the County approved a Notice of Recommended Award on June 20, 2016; and,

**WHEREAS**, the Contractor has reviewed the services required pursuant to this Term Contract and is qualified, willing and able to provide and perform all such services in accordance with its terms.

**NOW, THEREFORE**, the County and the Contractor, in consideration of the mutual covenants contained herein, do agree as follows:

**I. CONTRACTOR'S SERVICES**

The Contractor agrees to diligently provide all materials, services and labor for the performance of fence installation and repair services, in accordance with the work specifications made part of this Term Contract as Exhibit A, attached hereto and incorporated herein.

**II. TERM**

This Term Contract shall commence immediately upon execution by both the County and the Contractor and shall continue for a period of three years. This Term Contract may be renewed for up to two additional one year periods subject to written agreement of both parties.

**III. COMPENSATION AND PAYMENT OF CONTRACTOR'S SERVICE**

A. The County shall pay the Contractor for the services rendered hereunder and completed in accordance with the terms and conditions of this Term Contract a total amount not to exceed One Million Five Hundred Thousand Dollars and Zero Cents (1,500,000.00) for the initial three-year term.

**IFB 166406MZ FENCE INSTALLATION AND REPAIR SERVICES  
EXHIBIT B – FEE SCHEDULE**

ITEM	DESCRIPTION	UNIT OF MEASURE	UNIT PRICE
<b>LOT 1: FENCING MATERIALS</b>			
1.1	GALVANIZED FENCING WITH TOP RAIL FENCE HEIGHT 4'	PER LINEAR FOOT	\$7.60
1.2	GALVANIZED FENCING WITH TOP RAIL FENCE HEIGHT 5'	PER LINEAR FOOT	\$7.60
1.3	GALVANIZED FENCING WITH TOP RAIL FENCE HEIGHT 6'	PER LINEAR FOOT	\$10.00
1.4	GALVANIZED FENCING WITH TOP RAIL FENCE HEIGHT 8'	PER LINEAR FOOT	\$12.00
1.5	GALVANIZED FENCING WITH TOP RAIL FENCE HEIGHT 10'	PER LINEAR FOOT	\$14.00
1.6	GALVANIZED FENCING WITHOUT TOP RAIL; WITH TENSION WIRE; FENCE HEIGHT 4'	PER LINEAR FOOT	\$5.50
1.7	GALVANIZED FENCING WITHOUT TOP RAIL; WITH TENSION WIRE; FENCE HEIGHT 5'	PER LINEAR FOOT	\$5.50
1.8	GALVANIZED FENCING WITHOUT TOP RAIL; WITH TENSION WIRE; FENCE HEIGHT 6'	PER LINEAR FOOT	\$8.00
1.9	GALVANIZED FENCING WITHOUT TOP RAIL; WITH TENSION WIRE; FENCE HEIGHT 8'	PER LINEAR FOOT	\$10.00
1.10	GALVANIZED FENCING WITHOUT TOP RAIL; WITH TENSION WIRE; FENCE HEIGHT 10'	PER LINEAR FOOT	\$12.50
1.11	GALVANIZED POST; CORNER POST WITH BRACES; FENCE HEIGHT 4'	EACH	\$70.00
1.12	GALVANIZED POST; CORNER POST WITH BRACES; FENCE HEIGHT 5'	EACH	\$70.00
1.13	GALVANIZED POST; CORNER POST WITH BRACES; FENCE HEIGHT 6'	EACH	\$121.00
1.14	GALVANIZED POST; CORNER POST WITH BRACES; FENCE HEIGHT 8'	EACH	\$121.00
1.15	GALVANIZED POST; CORNER POST WITH BRACES; FENCE HEIGHT 10'	EACH	\$129.00
1.16	GALVANIZED POST; TERMINAL POST WITH BRACES; FENCE HEIGHT 4'	EACH	\$50.00
1.17	GALVANIZED POST; TERMINAL POST WITH BRACES; FENCE HEIGHT 5'	EACH	\$50.00
1.18	GALVANIZED POST; TERMINAL POST WITH BRACES; FENCE HEIGHT 6'	EACH	\$75.00
1.19	GALVANIZED POST; TERMINAL POST WITH BRACES; FENCE HEIGHT 8'	EACH	\$85.00

**IFB 166406MZ FENCE INSTALLATION AND REPAIR SERVICES  
EXHIBIT B – FEE SCHEDULE**

1.20	GALVANIZED POST; TERMINAL POST WITH BRACES; FENCE HEIGHT 10'	EACH	\$110.00
1.21	GALVANIZED POST; INCLUDING POST AND BRACES; FENCE HIEGHT 4'	EACH	\$1.00
1.22	GALVANIZED POST; INCLUDING POST AND BRACES; FENCE HIEGHT 5'	EACH	\$1.00
1.23	GALVANIZED POST; INCLUDING POST AND BRACES; FENCE HIEGHT 6'	EACH	\$1.00
1.24	GALVANIZED POST; INCLUDING POST AND BRACES; FENCE HIEGHT 8'	EACH	\$1.00
1.25	GALVANIZED POST; INCLUDING POST AND BRACES; FENCE HIEGHT 10'	EACH	\$1.00
1.26	GALVANZIED GATE; INCLUDING POSTS AND BRACES; FENCE HEIGHT 4'	PER LINEAR FOOT	\$25.00
1.27	GALVANZIED GATE; INCLUDING POSTS AND BRACES; FENCE HEIGHT 5'	PER LINEAR FOOT	\$25.00
1.28	GALVANZIED GATE; INCLUDING POSTS AND BRACES; FENCE HEIGHT 6'	PER LINEAR FOOT	\$40.00
1.29	GALVANZIED GATE; INCLUDING POSTS AND BRACES; FENCE HEIGHT 8'		\$60.00
		Assume 12 ft gate 12 x \$40 = \$480/gate	
1.30	GALVANZIED GATE; INCLUDING POSTS AND BRACES; FENCE HEIGHT 10'	PER LINEAR FOOT	\$60.00
1.31	VINYL COATED FENCING WITH TOP RAIL; FENCE HEIGHT 4'	PER LINEAR FOOT	\$9.00
1.32	VINYL COATED FENCING WITH TOP RAIL; FENCE HEIGHT 5'	PER LINEAR FOOT	\$9.00
1.33	VINYL COATED FENCING WITH TOP RAIL; FENCE HEIGHT 6'	PER LINEAR FOOT	\$12.00
1.34	VINYL COATED FENCING WITH TOP RAIL; FENCE HEIGHT 8'	PER LINEAR FOOT	\$14.00
1.35	VINYL COATED FENCING WITH TOP RAIL; FENCE HEIGHT 10'	PER LINEAR FOOT	\$17.00
1.36	VINYL COATED POST; CORNER POST WITH BRACES; FENCE HEIGHT 4'	EACH	\$65.00
1.37	VINYL COATED POST; CORNER POST WITH BRACES; FENCE HEIGHT 5'	EACH	\$65.00
1.38	VINYL COATED POST; CORNER POST WITH BRACES; FENCE HEIGHT 6'	EACH	\$95.00

**AMENDMENT NO. 2  
TO COUNTY CONTRACT NO. 2013-450**

This Amendment is made and entered into upon execution by both parties by and between **Sarasota County**, a political subdivision of the State of Florida, hereinafter referred to as the "**County**," and **Woodruff & Sons, Inc.**, an Indiana corporation authorized to do business in the State of Florida, hereinafter referred to as "**Contractor**."

**WITNESSETH**

**WHEREAS**, the County and the Contractor entered into County Contract No. 2013-450 ("Contract") for UPC for roads, transit, trails, sidewalks and drainage, effective July 9, 2013; and

**WHEREAS**, on April 18, 2016, the County and the Contractor executed Amendment No. 1, renewing the term of the Contract and revising the Accepted Unit Price Schedule; and

**WHEREAS**, the County and the Contractor now require an amendment to renew the term of the Contract.

**NOW THEREFORE**, the County and the Contractor, in consideration of the mutual covenants contained herein, do agree to amend the Contract as follows:

1. The above recitals are true and correct and incorporated herein by reference.
2. The term of the Contract is hereby renewed for a period of one (1) year, effective July 9, 2017 through July 8, 2018.
3. The pricing contained in the Accepted Unit Price Schedule as last amended remains in effect, and a copy is attached hereto for administrative convenience.
4. §287.135, F.S., prohibits agencies from contracting with companies for goods or services of \$1,000,000 or more, that are on the Scrutinized Companies that Boycott Israel List, the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or are engaged in business operations in Cuba or Syria, or are engaged in a boycott of Israel. The lists are created pursuant to §215.473 and §215.4725, F.S. Contractor certifies that the organization is not listed on the Scrutinized Companies that Boycott Israel List, the Scrutinized

**IN WITNESS WHEREOF**, the County and the Contractor have executed this Amendment as of the last date written below.

WITNESS:

Woodruff & Sons, Inc.:

Print Name: Debra S. Smith

Print Name: Linda S. Wakeman

Signed By: Debra S. Smith

Signed By: Linda S. Wakeman

Title: Secretary

Date: 07-10-17

SARASOTA COUNTY BOARD OF  
COUNTY COMMISSIONERS  
OF SARASOTA COUNTY, FLORIDA

BY: [Signature]  
*Acting Procurement Official*

DATE: 7/31/17  
Executed by the Procurement Official  
pursuant to Chapter 4.1 (E) of the  
Sarasota County Procurement Manual

Approved as to form and correctness:

BY: [Signature]  
COUNTY ATTORNEY *TRW*

## LTC Item 11 - Security System Maintenance: Sign

Item No.	Description	Unit	Unit Price
680-115	External modem (AMENDMENT 1)	EA	\$4,207.14 \$4,200.00
684-11	System communications, furnish and install, multi-pair cable (AMENDMENT 1)	LF	\$4.01 \$4.00
684-14	System communications, fiber optic cable (AMENDMENT 1)	LF	\$5.01 \$5.00
685-128	Interface Panel (AMENDMENT 1)	EA	\$5,008.50 \$5,000.00
690-10	Signal, remove head assembly (AMENDMENT 1)	EA	\$415.71 \$415.00
690-20	Pedestrian signal assy, remove (AMENDMENT 1)	EA	\$616.05 \$615.00
690-30-1	Remove poles (shallow removal) (AMENDMENT 1)	EA	\$1,101.87 \$1,100.00
690-30-2	Remove poles (deep removal) (AMENDMENT 1)	EA	\$1,602.72 \$1,600.00
690-50	Remove controller assembly (AMENDMENT 1)	EA	\$866.47 \$865.00
690-90	Remove cable and conduit (AMENDMENT 1)	PI	\$560.95 \$560.00
690-100	Remove miscellaneous signal equipment (AMENDMENT 1)	PI	\$560.95 \$560.00
700-40-1	Sign, single post, <12sf (AMENDMENT 1)	AS	\$300.51 \$300.00
700-46-11	Sign, single post, remove (AMENDMENT 1)	AS	\$40.07 \$40.00
700-46-21	Sign & single post, relocate (AMENDMENT 1)	EA	\$80.14 \$80.00
700-46-30S	Sign, existing, install on breakaway supports (AMENDMENT 1)	AS	\$110.19 \$110.00
705-1	Delineators, single post (AMENDMENT 1)	EA	\$140.24 \$140.00
705-11	Delineators, 8" wide (AMENDMENT 1)	EA	\$170.29 \$170.00
706-3	RPMs (AMENDMENT 1)	EA	\$5.01 \$5.00
710-11	Paint, remove existing markings	SF	\$2.25
710-11-11	6" Temporary striping	LF	\$0.50
710-11-22	8" Temporary striping	LF	\$0.75
710-11-33	18" Temporary striping	LF	\$1.25
710-29	Paint, reflective, island nose white (AMENDMENT 1)	SY	\$6.01 \$6.00
710-30	Paint, reflective, island nose yellow (AMENDMENT 1)	SY	\$6.01 \$6.00
710-7	Paint pavement messages (AMENDMENT 1)	EA	\$30.05 \$30.00
711-3	Thermoplastic pavement message (AMENDMENT 1)	EA	\$100.17 \$100.00
711-7	Thermoplastic pavement markings, remove (AMENDMENT 1)	SF	\$3.01 \$3.00

Sign

Sarasota County Board of County Commissioners  
Year to Date Actual Detail  
Solid Wst Oper Administration - 52812400 - Fund 420  
Electric, Gas, Fuel Oil Util - 500431  
October 2016 Through September 2017

LTC Item 12 - Utilities

<u>Date</u>	<u>Reference</u>	<u>Check Number</u>	<u>Sec. Reference</u>	<u>Description</u>	<u>Amount</u>
10/01/2016	J170048			REVERSE AJE 162881	(8.43)
10/10/2016	10164512556400	WR	4512556400161007	FLORIDA POWER A ELECTRIC UTILI	8.43
10/31/2016	10167226232481	WR	7226232481161028	FLORIDA POWER A ELECTRIC UTILI	773.04
11/08/2016	11164512556400	WR	4512556400161107	FLORIDA POWER A ELECTRIC UTILI	8.62
11/30/2016	11167226232481	WR	7226232481161129	FLORIDA POWER A ELECTRIC UTILI	1,020.13
12/08/2016	12164512556400	WR	4512556400161207	FLORIDA POWER A ELECTRIC UTILI	8.43
12/30/2016	12167226232481	WR	7226232481161229	FLORIDA POWER A ELECTRIC UTILI	698.13
01/09/2017	01174512556400	WR	4512556400170107	FLORIDA POWER A ELECTRIC UTILI	10.88
01/31/2017	01177226232481	WR	7226232481170130	FLORIDA POWER A ELECTRIC UTILI	1,144.29
02/07/2017	02174512556400	WR	4512556400170206	FLORIDA POWER A ELECTRIC UTILI	10.88
03/09/2017	02177226232481	WR	7226232481170227	FLORIDA POWER A ELECTRIC UTILI	961.93
03/09/2017	03174512556400	WR	4512556400170307	FLORIDA POWER A ELECTRIC UTILI	10.88
03/30/2017	03177226232481	WR	7226232481170329	FLORIDA POWER A ELECTRIC UTILI	1,016.86
04/11/2017	04174512556400	WR	4512556400170406	FLORIDA POWER A ELECTRIC UTILI	10.88
05/01/2017	04177226232481	WR	7226232481170427	FLORIDA POWER A ELECTRIC UTILI	773.70
05/09/2017	05174512556400	WR	4512556400170508	FLORIDA POWER A ELECTRIC UTILI	10.88
05/31/2017	05177226232481	WR	7226232481170530	FLORIDA POWER A ELECTRIC UTILI	931.52
06/08/2017	06174512556400	WR	4512556400170607	FLORIDA POWER A ELECTRIC UTILI	10.88
07/05/2017	06177226232481	WR	7226232481170629	FLORIDA POWER A ELECTRIC UTILI	944.06
07/11/2017	07174512556400	WR	4512556400170710	FLORIDA POWER A ELECTRIC UTILI	10.88
07/31/2017	07177226232481	WR	7226232481170728	FLORIDA POWER A ELECTRIC UTILI	974.26
08/09/2017	08174512556400	WR	4512556400170808	FLORIDA POWER A ELECTRIC UTILI	11.28
08/30/2017	08177226232481	WR	7226232481170829	FLORIDA POWER A ELECTRIC UTILI	1,070.04
09/14/2017	09174512556400	WR	4512556400170907	FLORIDA POWER A ELECTRIC UTILI	12.29
09/29/2017	09177226232481	WR	7226232481170928	FLORIDA POWER A ELECTRIC UTILI	1,023.80
09/30/2017	AJE172736			Accrue FPL invoices	11.37
<b>Org Code Total</b>					11,459.91
<b>Report Total</b>					11,459.91

Central County Solid Waste Disposal Complex  
 Cost Estimate for Monitoring Services  
 2018 Financial Assurance Cost Estimate



16. Site Specific Costs

Unit	Number of Units/Year	Cost/Unit	\$/Year
Technical Report	1	\$ 12,465.00	\$ 4,986.00
<b>Subtotal Technical Report:</b>			<b>\$ 4,986.00</b>

Estimates for above calculations:	\$/Year
Total Annual Cost for Groundwater Monitoring Technical Report	
Total Reporting Cost for Technical Report	\$ 4,986.00
Total Cost Related to Technical Report (Per Year)	* \$ 4,986.00

**Notes:** All costs are for a third party providing all materials and labor.

Number of reports based on FDEP Permit Modification No. 0130542-028-SO-IM Requirements of:

Every 2.5 Years: 1 Groundwater Monitoring Technical Report

\* Slight Differences in Totals Due to Multiplication and Rounding of Unit Costs