

**WORK AUTHORIZATION # CM2685-WA04
NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS
CONTINUING CONTRACT FOR PROFESSIONAL ENGINEERING SERVICES
SOLID WASTE LANDFILLS AND OTHER RELATED ANCILLARY FACILITIES
FOR NASSAU COUNTY, FLORIDA
RFQ/BID NO. NC19-001**

Consultant:	S2L, Incorporated
Contract Number:	CM2685
Contact Name:	Omar Smith, P.E., V.P.
Contact Number:	407-475-9163
Email:	osmith@s2li.com

CURRENT WORK AUTHORIZATION			
Project Short Title: Inward Gradient Measurements and Evaluation for the West Nassau Landfill			
		CONTRACT OVERVIEW	
		Total of Previous Authorizations	\$216,850.26
Date Submitted	7/26/19	Adjustments/Change Orders	\$0
Amount	\$26,371.64	This Work Authorization	\$26,371.64
Scheduled Completion	09/30/2020	Current Contract Total	\$243,221.90

This Work Authorization is to the CONTRACT between Nassau County and the Consultant known as the *Continuing Contract for Professional Engineering Services-Solid Waste Landfills and Other Related Ancillary Facilities for Nassau County, Florida*, dated July 26, 2019. The services to be provided under this Work Authorization are as follows:

ARTICLE 1. Services Described as:

S2Li will assist the County by measuring, recording, and evaluating the monthly inward gradient conditions at the slurry wall surrounding the West Nassau Landfill. Under the scope of services for this Work Authorization, S2Li will perform the services further described in Attachment "A", attached hereto and incorporated herein. Services will be completed as tasks consisting of:

Task 1 – Monthly Monitoring of Well Water Elevations by Taking Field Measurements

Task 2- Monthly Monitoring Data Evaluation

RCVD ONE
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ARTICLE 2. Time Schedule

Services will begin October 1, 2019 and run through this service period ending September 30, 2020.

ARTICLE 3. Budget

The cost estimate to perform the work as described in the Scope of Services is \$26,371.64. A detailed breakdown for each task in conjunction with the estimated labor hours, contract labor rates, and expenses are attached as Exhibit "1". Costs incurred will be invoiced on a time and material basis. The County will be notified when the overall project budget is nearing its limit.


ARTICLE 4. Other Provisions

The Services covered by this Work Authorization will be performed in accordance with the provisions set forth in the CONTRACT referenced above and any of its attachments or schedules. Additional terms or contract provisions whether submitted purposely or inadvertently, shall have no force or effect. This Work Authorization will become a part of the referenced CONTRACT when executed by both parties.

In presenting this Work Authorization, Consultant agrees that:

Unless detailed herein, all drawings, data, electronic files and other information required for this Work Authorization has been accepted by Consultant. Specifically, all electronic files have been reviewed and accepted for the purposes of this Work assignment. Any additional information, including detailed Scope of Services are attached.

AGREED TO BY:

BY: 
Print Name: Samuel B. Levin
Title: President
Date: August 27, 2019

Account No.: **01362534-531000-\$16,877.85 (64%)**
01361534-531000-\$9,493.79 (36%)



RECOMMENDED AND APPROVED BY NASSAU COUNTY:

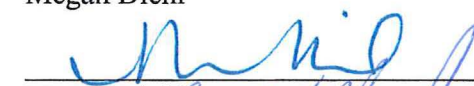
Public Works:


Department Head or Designee

Contract Management:


Megan Diehl

Office of Management & Budget:


Megan Diehl

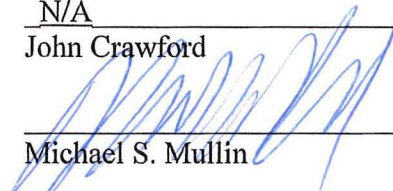
County Manager:


Michael S. Mullin

Ex-Officio Clerk:

N/A
John Crawford

County Attorney:


Michael S. Mullin

ATTACHMENT A
SCOPE OF SERVICES



Inward Gradient Measurements and Evaluation for the West Nassau Landfill

Service Period: FY2020 (October 1, 2019 through September 30, 2020)

County Contract Number: **CM2685-WA04** ✓

S2Li Project Number: 19-841

Service Period: FY2019 (October 1, 2018 through September 30, 2019)

This Work Authorization (WA) tasks S2L, Incorporated (S2Li) to assist the County by measuring, recording, and evaluating the monthly inward gradient conditions at the slurry wall surrounding the West Nassau Landfill (Landfill). Under the scope of services for this Work Authorization, S2Li will perform the following:

Task 1 – Monthly Monitoring of Well Water Elevations by Taking Field Measurements

S2Li will measure and record the water level elevations within wells at 50 locations (two wells per sampling location) surrounding the Landfill. These measurements will be conducted monthly, while S2Li is on-site for purposes of monitoring and testing the landfill gas extraction wells. A copy of the field form filled out by S2Li's personnel will be provided to the County upon leaving the Site. S2Li's personnel will input the monthly slurry wall monitoring well water elevations into the County provided spreadsheet template and the electronic form will be sent to the County.

Task 2 – Monthly Monitoring Data Evaluation

S2Li will graphically compare the water elevations inside and outside of the West Nassau Landfills' slurry wall and will note trending results. A summary discussion of the monthly data results compared to the previous data trends will be submitted monthly to the County in conjunction with the monthly data results. Results that show any exceedances (inward gradient less than 12 inches) will be highlighted. Costs associated with addressing any compliance and regulatory issues with the Florida Department of Environmental Protection (FDEP) are not included in this scope of services and if such services are necessary, will need to be addressed as an additional service.

SCHEDULE

- ✓ The services under this Work Authorization would be conducted October 1, 2019 through September 30, 2020.

COST ESTIMATE

The cost estimate to conduct the Work as described in the above-listed Scope of Services is \$26,371.64. ✓
A detailed breakdown for each task in conjunction with the estimated labor hours, contract labor rates, and expenses are included in the attached Exhibit 1. Costs incurred will be invoiced on a time and material basis. The County will be notified when the overall project budget is nearing its limit.

July 24, 2019

Total Project Costs
S2Li Fee Estimate

EXHIBIT 1

Engineering Services
Inward Gradient Measurements and Evaluation
Service Period: FY2020 (October 1, 2019 through September 30, 2020)
West Nassau Class I Landfill
Nassau County, Florida

S2Li No. 19-841
County No. CM2685-WA04

LABOR		LABOR CATEGORY AND RATE								TOTAL HOURS	SUBTOTAL LABOR
		Project Dir./ Principal	Regional Manager/ QC Officer	Principal Engineer	Senior Engineer	Project Engineer	Associate Engineer/CADD	Field Technician	Office Manager		
TASK	DESCRIPTION	\$250.00 ✓	\$232.25 ✓	\$190.26 ✓	\$137.09 ✓	\$97.92 ✓	\$74.21 ✓	\$52.38 ✓	\$76.24 ✓		
1	Monthly Monitoring Well Water Elevations Field Measurements	2	24	0	0	12	72	0	10	120	\$13,354.56
2	Monthly Monitoring Data Evaluation	2	36	0	0	12	24	0	0	74	\$11,817.08
	SUBTOTALS:	4	60	0	0	24	96	0	10	194	\$25,171.64

EXPENSES		Field Vehicle (\$100/day) ✓	Lab Testing (est.)	Equipment Rental (est.)	Parts (est.)						SUBTOTAL EXPENSES
TASK	DESCRIPTION										
1	Monthly Monitoring Well Water Elevations Field Measurements	\$ 1,200.00	\$ -	\$ -			\$ -	\$0.00			\$ 1,200.00
2	Monthly Monitoring Data Evaluation	\$ -	\$ -	\$ -	\$ -		\$ -	\$0.00			\$ -
	SUBTOTALS:	\$ 1,200.00	\$ -	\$ -	\$ -		\$ -	\$0.00	\$0	\$0	\$ 1,200.00

COST SUMMARY				
TASK	DESCRIPTION	SUBTOTAL S2Li LABOR	SUBTOTAL EXPENSES including Subconsultants	TASK TOTAL
1	Monthly Monitoring Well Water Elevations Field Measurements	\$ 13,354.56	\$ 1,200.00	\$ 14,554.56
2	Monthly Monitoring Data Evaluation	\$ 11,817.08	\$ -	\$ 11,817.08
TOTALS		\$ 25,171.64	\$ 1,200.00	\$ 26,371.64 ✓

Unlined WNLF - 36%; Lined WNLF - 64% of Fee

- ① West Nassau Class I Lined Landfill (42 acre area): \$ 16,877.85
- ② West Nassau Unlined Landfill (11 acre area): \$ 9,493.79

① 01362534 - 531000 \$16,877.85 - \$22,000 budgeted - \$5,122.15 balance 0490
 ② 01361534 - 531000 \$9,493.79 - \$6,000 budgeted - (\$-3,493.79) balance will prepare a BT from 01362534-531000 above to 01361534-531000 to cover funds - 3090



Attachment B

**Proposed Loaded Billing Rates for 2019/2020 for
Services Provided by S2Li on Behalf of Nassau County**

Contract Position	Hourly Rates
Project Director/Principal-in-Charge	\$250.00
Regional Manager/QC Officer	\$232.25
Principal Engineer	\$190.26
Senior Engineer	\$137.09
Project Engineer	\$ 97.92
Associate Engineer/CADD	\$ 74.21
Field Technician	\$ 52.38
Office Manager	\$ 76.24

1. Billing rate based on applying a 10% profit to S2Li's breakeven multiplier. Project Director was capped at \$250.00 per hour.
2. Rates include typical expenses such as reproduction, travel costs (except for field vehicle), lodging, and printing. Any other extraordinary direct expenses shall be negotiated on a case by case basis and will be identified in the Work proposal.
3. Subconsultant costs and parts purchased on the County's behalf will be billed as pass-through costs with no profit or markup added by S2Li in addition to actual costs.
4. Field vehicle (truck) will be billed at \$100/day.

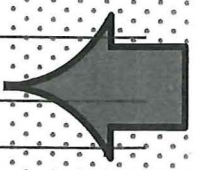
Budget Transfer Request

COPY

Requesting Dept: SOLID WASTE Fund: SW Transfer # _____

Requested By: B.Diden  Date: 8/9/19 PG1 of 1

Purpose: WA 04 Inward Gradient Measurement & Evaluation WNLF
FY19/20



	Acct. Number	Acct. Description	Amount	Available Budget	Fin. Serv. Use Only
					Verified Available
Transfer:					
From:	<u>01362534-531000</u>	<u>Prof Srvc WNLS</u>	\$ (3,500)	\$ 699,934.00	
To:	<u>01361534-531000</u>	<u>Prof Srvc Old Post Closure</u>	\$ 3,500	\$ 69,000.00	
From:	_____	_____	_____	_____	
To:	_____	_____	_____	_____	
From:	_____	_____	_____	_____	
To:	_____	_____	_____	_____	
From:	_____	_____	_____	_____	
To:	_____	_____	_____	_____	
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To:	_____	_____	_____	_____	
From:	_____	_____	_____	_____	
To:	_____	_____	_____	_____	

Approved By: BOCC: _____ Clerk of Courts: _____
 Date: _____ Date: _____

Financial Services Use Only

Action Completed: _____
 Signature/Date