

**WORK AUTHORIZATION # CM2685-WA14  
 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**

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

<b>CURRENT WORK AUTHORIZATION</b>			
<b>Project Short Title: Inward Gradient Measurements West Nassau Landfill 11-Acre Unlined Area</b>			
		<b>CONTRACT OVERVIEW</b>	
		<b>Total of Previous Authorizations</b>	\$773,003.66
<b>Date Submitted</b>	7/21/20	<b>Adjustments/Change Orders</b>	\$0
<b>Amount</b>	\$11,833.00	<b>This Work Authorization</b>	\$11,833.00
<b>Scheduled Completion</b>	09/30/2021	<b>Current Contract Total</b>	\$784,836.66

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 and recording the inward gradient conditions at the slurry wall surrounding the West Nassau Landfill 11-acre unlined area. 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:

**Monthly Monitoring of Well Water Elevations by Taking Field Measurements**

ARTICLE 2. Time Schedule

Services will begin October 1, 2020 and run through this service period ending September 30, 2021.

ARTICLE 3. Budget

The cost estimate to perform the work as described in the Scope of Services is \$11,833.00. A detailed breakdown for the Monthly Monitoring Well Water Elevations Field Measurements 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.

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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: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_


**Account No.: 01361534-531000**

**RECOMMENDED AND APPROVED BY NASSAU COUNTY:**


Public Works:

  
\_\_\_\_\_  
Department Head or Designee

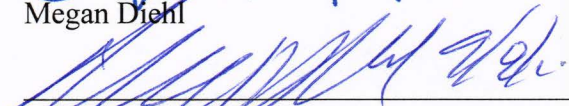
Contract Management:

  
\_\_\_\_\_  
John Cox

Office of Management & Budget:

 8/30/20  
\_\_\_\_\_  
Megan Diehl

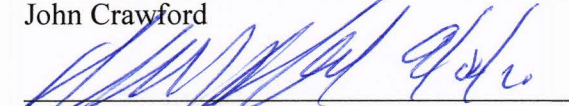
County Manager:

  
\_\_\_\_\_  
Michael S. Mullin

Ex-Officio Clerk:

N/A  
\_\_\_\_\_  
John Crawford

County Attorney:

  
\_\_\_\_\_  
Michael S. Mullin

APPROVED by the County Manager, Designee for NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS, the 8 day of September, 2020.


ARTICLE 4. Other Provisions

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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:

**S2L, Incorporated**  
BY:   
Print Name: Samuel B. Levin  
Title: President  
Date: September 17, 2020


Account No.: 01361534-531000

**RECOMMENDED AND APPROVED BY NASSAU COUNTY:**

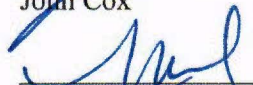
Public Works:

  
Department Head or Designee


Contract Management:

  
John Cox

Office of Management & Budget:

 8/30/20  
Megan Diehl


County Manager:

  
Michael S. Mullin

Ex-Officio Clerk:

N/A  
John Crawford

County Attorney:

  
Michael S. Mullin

APPROVED by the County Manager, Designee for NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS, the 8 day of September, 2020.

## **ATTACHMENT A**

### **SCOPE OF SERVICES**

# **Inward Gradient Measurements for the West Nassau Landfill – 11-Acre Unlined Area**

**Service Period: FY2021 (October 1, 2020 through September 30, 2021)**

**County Contract Number: CM2685-WA14**

**S2Li Project Number: 20-887**

This Work Authorization (WA) tasks S2L, Incorporated (S2Li) to assist the County by measuring and recording the monthly inward gradient conditions at the northern slurry wall surrounding the West Nassau Landfill (Landfill) 11-acre unlined area. Based on an April 2020 permit modification, the County is not required to conduct inward gradient measurements for the 42-acre lined area of the West Nassau Landfill. Under the scope of services for this Work Authorization, S2Li will perform the following:

#### **Monthly Monitoring of Well Water Elevations by Taking Field Measurements**

S2Li will measure and record the water level elevations within wells at eight locations (two wells per sampling location) on each side the northern slurry wall for the 11-acre unlined area of 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.

#### **SCHEDULE**

The services under this Work Authorization would be conducted monthly during the service period of October 1, 2020 through September 30, 2021.

#### **COST ESTIMATE**

The cost estimate to conduct the Work as described in the above-listed Scope of Services is \$11,833.00. 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.

H:\PROPOSALS AND MISC CORRESPONDENCE\Nassau County\Inward Gradient Measurements - 2020-2021 WA14\S2Li\_NC\_WA14\_FY20 West Nassau LF\_Inward Gradient Measurement Services\_DRAFT 7-20-2020.docx

July 20, 2020

Total Project Costs  
S2Li Fee Estimate

**EXHIBIT 1**  
**Engineering Services**  
**Inward Gradient Measurements and Evaluation**  
**Service Period: FY2021 (October 1, 2020 through September 30, 2021)**  
**West Nassau Class I Landfill**  
**Nassau County, Florida**

S2Li No. 20-887  
County No. CM2685-WA14

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		
	Monthly Monitoring Well Water Elevations Field Measurements	2	24	0	0	12	36	0	10	84	\$10,683.00
	SUBTOTALS:	2	24	0	0	12	36	0	10	84	\$10,683.00

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

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

West Nassau Class I Lined Landfill (42 acre area):

\$ -

West Nassau Unlined Landfill (11 acre area):

\$ 11,883.00

COST SUMMARY				
TASK	DESCRIPTION	SUBTOTAL S2LI LABOR	SUBTOTAL EXPENSES including Subconsultants	TASK TOTAL
0	Monthly Monitoring Well Water Elevations Field Measurements	\$ 10,683.00	\$ 1,200.00	\$ 11,883.00
0	Monthly Monitoring Data Evaluation	\$ -	\$ -	\$ -
<b>TOTALS</b>		<b>\$ 10,683.00</b>	<b>\$ 1,200.00</b>	<b>\$ 11,883.00</b>



## Attachment "B"

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

<b>Contract Position</b>	<b>Hourly Rates</b>
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.