

CS-20-300

**WORK AUTHORIZATION # 23  
NASSAU COUNTY  
BOARD OF COUNTY COMMISSIONERS**

<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 for the West Nassau Landfill – 11-Acre Unlined Area</b>			
		<b>CONTRACT OVERVIEW</b>	
<b>Date Submitted</b>	8/5/21	<b>Total of Previous Authorizations</b>	\$1,151,855.60
<b>Amount</b>	\$11,883.00	<b>This Work Authorization</b>	<b>\$11,883.00</b>
<b>Scheduled Completion</b>	9/30/22	<b>Current Contract Total</b>	<b>\$1,163,688.60</b>

This Work Authorization is to the AGREEMENT between Nassau County and S2li, Incorporated (“Vendor”) for 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:**

This Authorization provides for the monthly measuring and recording of the inward gradient conditions at the northern slurry wall surrounding the 11-acre unlined area at the West Nassau Landfill. Based on the 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.

**ARTICLE 2. Time Schedule**

Work under the Scope of Services provided will begin October 1, 2021 and run through September 30, 2022.

**ARTICLE 3. Budget**

The cost estimated to perform the work as described in Attachment “A” is \$11,883.00. A detailed breakdown for each task in conjunction with the estimated labor hours, contractor 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 AGREEMENT 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 AGREEMENT when executed by both parties.

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In presenting this Work Authorization, Vendor agrees that:

Unless detailed herein, all drawings, data, electronic files and other information required for this Work Authorization has been accepted by Vendor. 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: Sam Levin  
Print Name: Sam Levin  
Title: President  
Date: 8/31/2021

Account number(s): 01361534-531000

**RECOMMENDED AND APPROVED BY NASSAU COUNTY:**

County Engineer:  Doug Podiak  8/31/2021  
Department Head or Designee

Procurement:  [Signature]  8/31/2021  
J. Brian Simmons

Office of Management & Budget:  Megan Diehl  8/31/2021  
Megan Diehl

County Manager:  Tracy E. Pope, AICP  9/1/2021  
Tracy E. Pope, AICP

Ex-Officio Clerk:  N/A   
John A. Crawford

County Attorney:  Michael S. Mullin  9/1/2021  
Michael S. Mullin

**APPROVED** by the BOARD OF COUNTY COMMISSIONERS, this \_\_\_\_ day of \_\_\_\_\_, 2021.

BOARD OF COUNTY COMMISSIONERS  
NASSAU COUNTY, FLORIDA

N/A   
Thomas R. Ford  
Chairman

ACCOUNT NO.: 01361534-531000

**ATTACHMENT A**

**SCOPE OF SERVICES**

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

**Service Period: FY2022 (October 1, 2021 through September 30, 2022)**

**County Contract Number: CM2685-WA23**

**S2Li Project Number: 21-940**

**Service Period: FY2022 (October 1, 2021 through September 30, 2022)**

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, 2021 through September 30, 2022.

**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.

July 13, 2021

**Total Project Costs  
S2Li Fee Estimate**

**EXHIBIT 1  
Engineering Services  
Inward Gradient Measurements and Evaluation  
Service Period: FY2022 (October 1, 2021 through September 30, 2022)  
West Nassau Class I Landfill  
Nassau County, Florida**

S2Li No. 21-940  
County No. CM2685-WA23

LABOR		LABOR CATEGORY AND RATE							TOTAL HOURS	SUBTOTAL LABOR	
		Project Dir./ Principal	Regional Manager/ Q/C 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
	<b>SUBTOTALS:</b>	<b>2</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>36</b>	<b>0</b>	<b>10</b>	<b>84</b>	<b>\$10,683.00</b>

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
	<b>SUBTOTALS:</b>	<b>\$ 1,200.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		<b>\$ -</b>	<b>\$0.00</b>	<b>\$0</b>	<b>\$0</b>	<b>\$ 1,200.00</b>

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>