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March 26, 2018

VIA E-MAIL

Mr. Himanshu H. Mehta, P.E.  
Managing Director  
Indian River County  
Solid Waste Disposal District  
1325 74th Avenue SW  
Vero Beach, Florida 32968

Subject: Indian River County Solid Waste Disposal District  
Indian River County Landfill Segment 3 Cell 2 Expansion,  
Segment 2 Partial Closure, and Landfill Gas System Expansion  
Indian River County Bid No. 2018025  
Evaluation of Bids

Dear Mr. Mehta

The bid opening for the Indian River County Landfill Segment 3 Cell 2 Expansion, Segment 2 Partial Closure, and Landfill Gas System Expansion was held on Thursday, March 1, 2018 at 2:00 p.m. at Indian River County Purchasing. Bids were received from three contractors: Thalle Construction Company, Inc. (Thalle), West Construction, Inc., and Southeast Environmental Contracting, Inc. A summary of the bids is provided below, along with the Grand Total Base Bid amount, which is the basis of determining the apparent low bidder. A more detailed Bid Tabulation table is included as **Attachment A**.

Bidder	Grand Total Base Bid Items No. 1-6	Bid Item No. 7 Contingency (10%)	Grand Total Base Bid Item Nos. 1 - 7
Thalle Construction Company, Inc.	\$14,576,600.00	\$1,619,600.00	<b>\$16,196,200.00</b>
West Construction Inc.	\$15,723,097.14	\$1,572,309.71	<b>\$17,295,406.85</b>
Southeast Environmental Contracting, Inc.	\$16,858,000.00	\$1,685,800.00	<b>\$18,543,800.00</b>

Each of the bidders supplied a bid bond in the amount of 5 percent of the Grand Total Base Bid. Each bidder acknowledged receipt of Addendum Numbers 1 through 4. Bids for the project are valid for a period of ninety calendar days from the bid opening day and expire on May 30, 2018. The difference between the three bidders is tabulated below.



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Bidder	Grand Total Base Bid Item Nos. 1 -7	Bid - Low Bidder	Percent Difference
Thalle Construction Company, Inc.	\$16,196,200.00	\$ 0.00	0.00%
West Construction Inc.	\$17,295,406.85	\$1,099,206.85	6.79%
Southeast Environmental Contracting, Inc.	\$18,543,800.00	\$2,347,600.00	14.49%

The low bidder on the project is Thalle with a Grand Total Base Bid of \$16,196,200.00. However, Thalle calculated the 10 percent contingency as 10 percent of the total bid, not as an additional 10 percent of the Base Bid Items 1-6. Therefore, if the contingency amount is calculated using this method, the contingency amount would be reduced to \$1,457,660.00 and the Grand Total Bid Item Numbers 1-7 would be \$16,034,260.00, a reduction the amount of the contingency of \$161,940.00. This minor error does not impact the other bidders and makes Thalle's bid even lower than presented.

Thalle submitted the following information as required by the Bid Documents:

- Bid Form (00300) – As amended in Addendum No. 2.
- Schedule of Subcontractors (00431)
- State Certification (State Certified General Contractor)
- Power of Attorney (for Surety Bond)
- Schedule of Suppliers (Section 00450)
- Disclosure of Relationships (Section 0452)
- Confirmation of Drug-Free Workplace (Section 00454)
- Non-Collusive Affidavit (Section 00455)
- General Information Required of Bidders (Section 00456)
- Alternate Suppliers (Section 00460)
- Trench Safety Act Certificate (Section 00480)
- Certificate of Liability Insurance
- Bid Bond for 5 percent of amount bid (Document A310 – 2010)

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The following suppliers were indicated on the Schedule of Suppliers (Section 00450) submitted with the bid:

Item	Equipment	Supplier
1.	HDPE Liner	A. GSE Environmental
2.	LLDPE Liner	A. GSE Environmental
3.	Geocomposite Drainage Nets (for closure)	A. GSE Environmental & B. Skaps Industries
4.	Geocomposite Drainage Nets (for cell expansion)	A. GSE Environmental
5.	Geotextiles/Filter Fabric	B. Skaps Industries
6.	Geosynthetic Clay Liner	B. CETCO
7.	HDPE Pipe	A. ISCO Industries
8.	Flow Meters	A. Emerson Electric Co/Rosemount
9.	Submersible Sump Pumps	B. Flygt
10.	Corrugated HDPE Pipe	A. Advanced Drainage Systems
11.	Plug Valves	A. Clow Valve Company
12.	Concrete Manholes	A. Rotundo & Sons Inc.
13.	Electrical Leak Location Survey	A. Leak Location Services, Inc.
14.	Landfill Gas Valves	A. Asahi America Inc.
15.	Landfill Gas Wellheads	A. QED Environmental Systems Inc.
16.	Ductile Iron Pipe	B. US. Pipe
17.	Panel Boards	B. Eaton
18.	Compressed Air System Equipment	A. Kaeser Kompressoren SE
19.	Well Dewatering Pump Assembly	A. QED Environmental Systems, Inc.
20.	Paint and Finishes	A. PPG Protective & Marine Coatings
21.	PVC Pipe	A. Diamond Plastics
22.	Hydrant Assembly	A. Clow
23.	Telemetry Control Units	A. Data Flow Systems, Inc
24.	Diesel Engine Drivin Generator	A. Tradewinds Power
25.	Concrete Protective Liner	A. Agru America

The following suppliers were indicated on the Alternate Suppliers (Section 00460) form submitted with the bid:

Item	Equipment	Supplier
1.	Air Compressor	Air Compressor Works
2.	Panelboards	General Electric
3	HDPE Pipe	Lee Pipe & Supply
4.	Precast	Oldcastle
5.	Landfill Gas Wellheads	Pump One Enviro LLC



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CDM Smith contacted four references provided on the project experience form, and received responses from the contacts confirming those projects. CDM Smith has also confirmed that Thalle is a general contractor with an active license with the State of Florida. Based on the references information supplied in the bid, and our past project experience with Thalle, we have determined that Thalle is a responsive, responsible contractor, and is capable of undertaking and completing the Contract in a satisfactory and timely manner.

Accordingly, CDM Smith recommends that Indian River County award a construction contract to the lowest responsive, responsible bidder, Thalle Construction Company, Inc. of Hillsborough, North Carolina, for the Indian River County Landfill Segment 3 Cell 2 Expansion, Segment 2 Partial Closure, and Landfill Gas System Expansion project, IRC Bid No. 2018025. CDM Smith recommends award of the contract for Base Bid Items 1-6 in the amount of \$14,576,600.00 with a contingency of 10 percent of the base bid items in the amount of \$1,457,660.00, with a Grand Total not to exceed amount of \$16,034,260.00. All contingency amounts will require approval on a case-by-case basis for inclusion in the project.

The Segment 3 Cell 2 Expansion and Segment 2 Partial Closure are funded from separate revenue sources, and the closure cost is paid from an escrow account long established for that effort. Therefore, the breakdown between the two items is \$6,467,800.00 for the Segment 3 Cell 2 Expansion (44.4 percent of total) and \$8,108,800.00 for the Segment 2 Partial Closure, and Landfill Gas System Expansion (55.6 percent of total). This breakdown is before the contingency amount which will be applied at the time of approval. Note there are costs common to both items which were distributed based on the percentage shown above.

If you have any questions, comments, or require any additional information, please contact me at (772) 360-3227 or [vannkn@cdmsmith.com](mailto:vannkn@cdmsmith.com).

Sincerely,

A handwritten signature in blue ink, appearing to read 'K. Vann', with a long horizontal flourish extending to the right.

Kevin N. Vann, P.E., BCEE  
Principal Environmental Engineer  
CDM Smith Inc.

KNV/ MJL/jj

Attachment

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cc: Mr. Vincent Burke, IRC  
Ms. Jennifer Hyde, IRC  
Mr. Eric Grotke, CDM Smith



**Attachment A - Bid Tabulation Sheet**

Indian River County Landfill

Segment 3 Cell 2 Expansion, Segment 2 Partial Closure, and Landfill Gas System Expansion

Bid No. 2018025

Bid Opening: March 1, 2018 at 2:00 P.M.

Bid Item	Thalle Construction Company, Inc.	West Construction, Inc.	Southeast Environmental Contracting, Inc.
1. SEGMENT 3 CELL 2 EXPANSION	\$ 5,760,570.00	\$ 7,369,694.89	\$ 6,275,175.00
2. SEGMENT 2 PARTIAL CLOSURE AND LANDFILL GAS SYSTEM EXPANSION	\$ 7,743,090.00	\$ 6,917,257.65	\$ 9,437,560.00
3. PUBLIC CONSTRUCTION BOND AND INSURANCE (TOTAL)	\$ 114,800.00	\$ 534,940.00	\$ 525,000.00
4. MOBILIZATION AND DEMOBILIZATION (TOTAL)	\$ 543,000.00	\$ 340,000.00	\$ 308,009.00
5. WATER MAIN EXTENSION AND HYDRANT	\$ 139,500.00	\$ 145,762.50	\$ 91,000.00
6. LEACHATE COLLECTION SYSTEM (LCS) PUMP STATION AND FORCEMAINS	\$ 275,640.00	\$ 415,442.10	\$ 221,256.00
Total Bid (Items 1 - 6)	\$ 14,576,600.00	\$ 15,723,097.14	\$ 16,858,000.00
Contingency (10 percent) of Bid Items 1-6	\$ 1,457,660.00	\$ 1,572,309.71	\$ 1,685,800.00
<b>Grand Total Bid (Items 1 - 6 and Contingency)</b>	<b>\$ 16,034,260.00</b>	<b>\$ 17,295,406.85</b>	<b>\$ 18,543,800.00</b>