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August 6, 2019

Mr. Himanshu Mehta, P.E.
Managing Director
Solid Waste Disposal District
1325 74th Ave SW
Vero Beach, FL 32968

Subject: Indian River County Solid Waste Disposal District.
Segment 3 Cell 2 Expansion, Segment 2 Partial Closure,
and Landfill Gas System Expansion
IRC Contract No.: 2018025
Change Order No. 5 – Rain Delays and Additional Work

Dear Mr. Mehta:

Transmitted herewith are three copies of the Change Order Number 5, which addresses seven items as described below and summarized in the attached **Table 1**. There is no net change in contract price, however, \$530,761.05 is being transferred from contingency to the active contract amount of \$13,316,426.25. With execution of this change order, the total contract amount remains at \$13,375,132.86 and \$58,706.61 remains in contingency. The contract time is extended by 95 days as shown in **Table 2**.

The change order items are detailed below:

1. **Existing Pump Station:** The change order replaces a manhole frame and cover on the leachate collection system associated with the Segment 1/Segment 2 infill cell. The existing frame and cover are corroded and require replacement.
2. **Access Road Stormwater Swale:** This item is to regrade and improve the existing stormwater swale along the landfill access road. This swale collects stormwater runoff and conveys it to the landfill perimeter swale. This change order would re-grade the swale and line it with crushed concrete (FDOT ditch lining) for the entire distance in order to prevent erosion. This change also includes cleaning the existing concrete box culvert, which has accumulated sand over time and is obstructed.
3. **Segment 2 Partial Closure Common Fill:** This change order increases the common fill volume quantity required to implement the closure of Segment 2. The actual volume of common fill was measured by subtracting the survey of the existing top of waste and the liner elevation. Note that the volume of the cap foundation layer was lower than expected and this line item savings offsets the common fill increased costs. The net increase is presented in this change order. The additional common fill was not foreseen as the



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intermediate cover on the waste was mostly mulch. The placement of this additional volume of common fill added 24 days to the project milestones.

4. **Rain Days:** The Contractor also requested a 32-day extension based on rains in June and July. After careful evaluation of the impacts of the rain, CDM Smith recommends the award of 27 rain days.
5. **Stormwater Diversion Berm Pump:** This item is for the purchase of a gas-powered pump to divert stormwater collected within the Segment 3 Cell 2 diversion berm as requested by Indian River County. The diversion berm prevents rainwater from entering the leachate collection system while the northern half of the cell is being filled. The proposed pump, pipe, and accessories are necessary to pump this collected stormwater out of the cell and into the on-site stormwater system.
6. **Access Road Improvements:** The access roadway improvements include a concrete slab for the placement of roll-off containers for public access along with paving the unloading area. The access road improvements include 88 feet of concrete elliptical pipe to a stormwater structure to channel stormwater away from the road. These improvements also pave a turn-out apron into the yard waste disposal area.
7. **Segment 2 Outside Toe Drain:** The last change order authorized an exploration of a leachate seep on the northern side of Segment 2 in the area of the infill cell. This area was exposed, and an outside toe drain was proposed to intercept leachate which is seeping in this area. The leachate will be collected in a perforated HDPE pipe in a lined trench and direct the leachate into a manhole to be sent to the lift station. This activity adds 15 additional days to the milestones.

We trust the enclosed is sufficient for your review and the Board's approval. If you need any additional information or clarification, please do not hesitate to contact our office.

Sincerely,

A handwritten signature in blue ink, appearing to read "Martin J. Lewis".

Martin J. Lewis, P.E., BCEE, PMP
Project Manager
CDM Smith Inc.



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MJL/jj
Attachments: Tables 1, 2, and 3
Change Order No. 5 Form
Thalle Construction Proposals.

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cc: Eric Grotke, CDM Smith
Kevin Vann, CDM Smith
Reinaldo Gonzalez, Thalle

