SALEM COUNTY IMPROVEMENT AUTHORITY

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Resolution # 2014-
dated

RESOLUTION

June 12, 2014

Of The Salem County Improvement Authority
In The County Of Salem, State Of New Jersey

RESOLUTION ISSUING CHANGE ORDER NUMBER #1
TO THE CONTRACT TO CONSTRUCT LANDFILL EXPANSION CELL 9 FOR THE SOLID WASTE DIVISION LANDFILL

WHEREAS, on December 16, 2013, the Salem County Improvement Authority awarded a contract to R. E. Pierson Construction Co., Inc. in the amount of four million, fifty-six thousand, five hundred dollars and zero cents ($4,056,500.00) to construct Landfill Expansion Cell 9 at the Solid Waste Division Landfill as authorized by Resolution 2013-112; and

WHEREAS, the Salem County Improvement Authority Executive Director and Solid Waste Division Manager, as advised by the SCIA Project Engineer, have deemed it necessary to provide additional quantities of designation I-13 soils for the project beyond that which was called for in the bid specification due to the additional amount of top soil which needed to be excavated particularly in the areas of Cell 9, the new storm water basin and haul roads, and due to utilization of existing clay stockpiled materials by SCIA which were accumulated from previous projects. This will result in increasing the cost of the contract by a total of Two Hundred Ten Thousand Six Hundred Seventy Dollars and Ninety Cents ($210,670.90) to a total contract amount of Four Million Two Hundred Sixty-Seven Thousand One Hundred Seventy Dollars and Ninety Cents ($4,267,170.90); and

NOW, THEREFORE, BE IT RESOLVED by the Salem County Improvement Authority Board as follows:

1. The Salem County Improvement Authority Board issues Change Order Number #1 to the Contract to Construct Landfill Expansion Cell 9 as noted above to increase the overall contract amount by Two Hundred Ten Thousand Six Hundred Seventy Dollars and Ninety Cents ($210,670.90) resulting in a total contract amount of Four Million Two Hundred Sixty-Seven Thousand One Hundred Seventy Dollars and Ninety Cents ($4,267,170.90).

2. The Salem County Improvement Authority authorizes its Executive Director to execute said change order.

ATTEST:

Lew Schneider, Secretary

Robert E. Widdifield, Chairman
June 12, 2014
Date

CERTIFICATION

I hereby certify the above to be a true copy of a resolution adopted by the Salem County Improvement Authority Board at their regular meeting held June 12, 2014.

Lew Schneider, Secretary
June 11, 2014

Ms. Deborah Turner-Fox, Executive Director
Salem County Improvement Authority
Finlaw Building
199 East Broadway
Salem, NJ 08079

Re: Salem County Landfill – Cell 9

Dear Ms. Turner-Fox:

Please find enclosed a letter received from Richard E. Pierson Construction Co., Inc. (REP) dated June 10, 2014, for change order work associated with earthwork required to complete excavations and embankments as required by the contract documents. The following is an explanation for the additional work and our recommendation for approval of this change order.

During the topsoil removal/stripping operation in the areas of Cell 9, the new storm water basin and haul roads, an unexpected thickness of topsoil material was encountered. Topsoil thicknesses encountered during the previous Cell 8 project, which is immediately adjacent to the Cell 9 project, were reported to be 6-inches or less. Borings logs performed by GZA for the proposed horizontal landfill expansion project (GZA Revised Geotechnical Report dated June 2009, Revised December 2009) did not identify a topsoil layer thickness, with the exception of the test pit logs which reported topsoil depths varying from 6 to 12 inches. These test pit logs were all located within the limits of future Cells 10, 11 and 12. Cross-sectional views of project details, originally prepared by Richard A. Alamoo Association of Engineers, identified a topsoil layer thickness of 6-inches; however an average of 12-inches was present throughout the Cell 9 project areas. As a result of this condition, additional work was required by REP to remove/strip an estimated 15,000 cubic yards of additional topsoil material, which was transported to the onsite stockpile location.

Due to the added depth of cut to remove the topsoil layer, additional imported fill material will be required. An estimated 9,404 cubic yards of additional designated I-13 imported soil material is required in the areas of Cell 9 and the new storm water basin (6,000 cubic yards) and the haul roads (3,400 cubic yards). The estimated quantities of additional topsoil removed and designated I-13 soil material was calculated independently by both T&M and REP and the comparison of the estimated T&M/REP quantities were found to be acceptable.

The unit cost provided for the excavation, loading and transportation of the additional excavated topsoil to the on-site stockpile of $8.80 per cubic yard was found to be acceptable, as well as the unit cost of $19.25 per cubic yard for the designated I-13 soil material, which included the delivered cost of the material to the site, its placement and compaction.
Ms. Deborah Turner-Fox, Executive Director

Re: Salem County Landfill - Cell 9

June 11, 2014

The credit provided by REP is for work that was originally included in their bid, which consisted of spreading and placing the existing SCIA stockpiled clay material illustrated on the contract plans at various locations. It was later discovered that the available quantity of stockpiled clay was considerably less than what was shown by the topography on the contract drawings. Therefore, REP departed from the planned work included in their bid and has credited the contract accordingly.

Based on our above analysis of the estimated quantities and our review of the associated unit costs provided by REP, we recommend that the Authority approve this change order.

If you should have any questions, please do not hesitate to contact this office.

Very truly yours,

T&M ASSOCIATES

Jeffrey B. Winegar, P.E.
Group Manager

Enclosure
T&M Associates
1256 North Church Street
Moorestown, NJ 08057-1129

Attn: Jeff Winegar
Re: Salem County Landfill Cell #9

Dear Jeff,

This is a change order request for the earthwork required to complete the excavation and embankments per the contract documents. There was a significant difference in the quantity of topsoil which was removed/stripped to subgrade from that indicated on the contract drawings. Due to the additional quantity of topsoil removed/stripped, the required volume of fill in the areas of Cell 9, the new storm water basin and haul roads increased. The following breakdown represents the extra work needed to complete the project.

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity (cubic yards)</th>
<th>Rate ($/CY)</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Added topsoil removed/strip</td>
<td>15,088</td>
<td>$8.80/CY</td>
<td>$132,774.40</td>
</tr>
<tr>
<td>Added I-13 Import (roads)</td>
<td>3,404</td>
<td>$19.25/CY</td>
<td>$65,527.00</td>
</tr>
<tr>
<td>Added I-13 Import (cell &amp; basin)</td>
<td>6,000</td>
<td>$19.25/CY</td>
<td>$115,500.00</td>
</tr>
<tr>
<td>Credit out/fill per plan</td>
<td>18,751</td>
<td>$5.50/CY</td>
<td>($103,320.50)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>$210,670.90</strong></td>
</tr>
</tbody>
</table>

Please issue a change order for this work.

Sincerely,

Ray Smith
Project Manager