### ROADWAY EXCAVATION (TOPSOIL) COLLECTION, STOCKPILE AND PLACEMENT

<table>
<thead>
<tr>
<th>EC SHEET</th>
<th>LOCATION</th>
<th>TOPSOIL COLLECTION</th>
<th>TOPSOIL STOCKPILE</th>
<th>ROADWAY EXCAVATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A</td>
<td>42</td>
<td>40</td>
<td>50</td>
</tr>
<tr>
<td>1</td>
<td>B</td>
<td>40</td>
<td>40</td>
<td>50</td>
</tr>
</tbody>
</table>

Sheet Total: 60

(N) - NOT A SEPARATE BID ITEM

### DUFF COLLECTION AND PLACEMENT

<table>
<thead>
<tr>
<th>EC SHEET</th>
<th>LOCATION</th>
<th>DUFF COLLECTION</th>
<th>DUFF</th>
<th>DUFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A</td>
<td>725</td>
<td>500</td>
<td>500</td>
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</table>

Sheet Total: 500

(N) - NOT A SEPARATE BID ITEM

**GENERAL**

Use this Erosion Control (Soil Preparation) example to show quantities for collection and placement for the "DUFF" and/or "ROADWAY EXCAVATION (TOPSOIL)" bid item. Stockpile quantities are shown here for roadway excavation (topsoil) only.

**NOTES:**

- Under the special provision for **ROADWAY EXCAVATION (TOPSOIL)**, the amount shown in the Engineer's Estimate for **ROADWAY EXCAVATION (TOPSOIL)** includes the payment to the contractor for collecting the topsoil and moving it to the stockpile. The contractor is expected to collect the topsoil and move it to the stockpile, and then moving it again for final placement. This is called "double handling." Typically, the second collection amount is doubled to determine the total quantity for the **ROADWAY EXCAVATION (TOPSOIL)** bid item. If the Resident Engineer orders an additional move, it will be paid as change order work.

- Although there is often an amount of material lost during handling, there can also be some expansion of the material at placement. Showing equal amounts in the table for collection and placement is recommended.

- For larger quantities or areas, "DUFF" may be paid for by ACRE. Do not exceed 1 decimal place.

- Generally, stockpiling location of duff is not shown, so no volume for it is required.

- Notice that the pay units for duff are by area (SQFT or ACRES). Volumetric measurements are not used for duff because of large differences in the amount of collection, chip size, and decomposition.

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**EROSION CONTROL EXAMPLE D - SOIL PREPARATION QUANTITY SHEET**

**ECQ-XX**