FILLING PROCEDURES

1. The top corner of the end panels and center dissipaters have an extended eyelash wire extending approx. 4 inches (102 mm) out from the corner edge. Raise the end panels and the dissipaters to vertical position and wrap the eyelash wire around the edge wire of the top and back panels.

2. The procedure for using eyelash wire consists of cutting a sufficient length of wire and first looping and/or twisting the eyelash wire to the wire mesh. Proceed to lace with alternating double and single loops through every mesh opening approximately every 8 inches (192 mm) pulling each loop tight and finally securing the end of the eyelash wire to the wire mesh by looping and or twisting.

3. Interlocking connecting wire stiffeners shall be attached at 1/3 and 2/3 of the height of 2 feet (36.6 m) gabion units as the cell is being filled. In 1.5 feet (45.7 m), high units stiffeners may be fixed at the half height level.

4. Close the baskets after rock filling by pulling the lid down, pulling the edges of the panels to be connected where necessary using appropriate tool. The lids shall be tightly laced along all edges, ends and dissipaters in the same manner as described above. Adjacent lids may be securely attached simultaneously. All end wares shall then be turned in.

ASSEMBLY:

1. Gabions shall be set to the line and grade specified in the construction drawings.

2. Gabions shall be connected together and hoisted before filling the baskets with rocks. All connections (panel to panel and basket to basket) shall be carried out as described in the assembly operations.

INSTALLATION AND FILLING:

1. Rock size specification:

- 1. Rocks for gabions may be produced by any suitable quarrying method, and by the use of any device that yields the required sizes within the gradation units specified.

2. Rocks shall be hard, angular to round, durable and of such quality that they shall not disintegrate on exposure to water or weathering during the life of the structure.

3. Gabion baskets 12 inches (305 mm) or greater in the vertical dimension shall be filled with rocks graded from large to small with the largest passing an 8-inch (203 mm) square and rocks retained on a 5-inch (127 mm) square. Rocks shall have a maximum dimension of 12 inches (305 mm) and a minimum of 2 inches (51 mm).

4. Gabion mattresses shall be filled with rocks graded from large to small with the largest passing a 2-inch (51 mm) square and rocks retained on a 1-inch (25 mm) square. Rocks shall have a maximum dimension of 7 inches (178 mm) and a minimum of 2 inches (51 mm).

5. The rock shall have a percent of sand not more than 45 as tested by ASHTO T 85.

6. Care shall be taken when placing the stone to ensure that the PVC coating of gabions will not be damaged. Rocks should not be machine placed from heights greater than 2 feet (610 mm) above basket.

7. Carbon placement shall be front to front and back to back, so that parts of facing lids can be wired down in one process.

8. To allow for settlement, level off the rock fill 1 inch (25.4 mm) to 1.5 inches (38.1 mm) above the top of the mesh.

NOTES:

- Stagger the vertical joints between the baskets (and mattresses) of adjacent rows and layers by one half cell length.

- Gabion baskets and mattresses may be supplied as assembled, unassembled or roll stock.

- Builders or depressions of the gabion basket or mattress shall not exceed 6 inches (152 mm) when measured with a 2-foot (610 mm) straight edge. Deviations shall be corrected at the contractor's expense.

TABLE 4A ROCK SIZE SPECIFICATION

<table>
<thead>
<tr>
<th>UNIT HEIGHT</th>
<th>MINIMUM SIZE</th>
<th>MAXIMUM SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 in (152 mm) - 9 in (229 mm) in mattress</td>
<td>3 inches (76 mm)</td>
<td>5 inches (127 mm)</td>
</tr>
<tr>
<td>12 in (305 mm) - 15 in (381 mm) in gabion</td>
<td>4 inches (102 mm)</td>
<td>8 inches (203 mm)</td>
</tr>
</tbody>
</table>