NOTE: OBTAIN ASSISTANCE FROM LOCAL EXTENSION PERSONNEL ON LAGOON DESIGN.

SELF PRIMING PUMP
- TO PROVIDE 200 GPM FOR FLUSHING ONE ALLEY AT A TIME

PUMPED RECYCLED LAGOON WATER SYSTEM
SUGGESTED SYMPHON SIZES FOR 100' GUTTER ON 1/2% SLOPE WITH VARIOUS GUTTER WIDTHS

<table>
<thead>
<tr>
<th>GUTTER WIDTH - INCHES</th>
<th>QUANTITY OF WATER - GAL</th>
<th>SYMPHON SIZE - INCHES</th>
<th>BELL DIAMETER - INCHES</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 - 30</td>
<td>50 - 100</td>
<td>3</td>
<td>2 - 14</td>
</tr>
<tr>
<td>30 - 40</td>
<td>100 - 175</td>
<td>4</td>
<td>4 - 16</td>
</tr>
<tr>
<td>40 - 50</td>
<td>175 - 250</td>
<td>DOUBLE 4 OR 6</td>
<td>6 - 18</td>
</tr>
<tr>
<td>60</td>
<td>250 - 300</td>
<td>DOUBLE 6</td>
<td>6 - 18</td>
</tr>
</tbody>
</table>

NOTES:

1. OPERATOR SHOULD CONSIDER ALTERNATIVE OF RECYCLING LAGOON WATER FOR FLUSHING PURPOSES IN BREEDING, GESTATION, GROWING, AND FINISHING BUILDINGS.
2. DIMENSIONS SHOWN WILL WORK FOR TANKS UP TO 30 INCHES DEEP IF DEEPER TANKS ARE TO BE USED, CONSULT YOUR EXTENSION OFFICE FOR PROPER DIMENSIONS.
3. L. DETERMINES HEIGHT OF WATER IN TANK BEFORE FLUSH BEGINS. DO NOT BLUE THIS SECTION SO THAT IT CAN BE EASILY CHANGED TO VARY THE AMOUNT OF FLUSH WATER. ORIGINAL LENGTH SHOULD BE 12".

TANK - 250 GALLON CAPACITY PER 40' GUTTER FLUSHED.
- SIZE A LITTLE LARGER THAN SUGGESTED SIZE IN TABLE ABOVE

AUTOMATIC SYMPHON FLUSH SYSTEM

MATL: 1/4" THK STEEL PLATE
0.1" 5" 6" 8"
CABLE

PULLEY

PULLEY

HANDLE

1/2" DIA. ROD

1/4" DIA. RODS - 90° APART - WELDED TO BLACK PIPE

8" DIA. 1/4" THK. PLATE WITH RUBBER BONDED TO BOTTOM

BRAZE

BLACK PIPE

4" PVC PIPE

GUTTER

TANK: 250 GAL. CAPACITY PER 40" GUTTER FLUSHED SIZE A LITTLE LARGER THAN SUGGESTED SIZE IN TABLE ON PAGE 2.

MANUAL FLUSH SYSTEM

AFTER BRAZING, CLEAN WELD AREA. APPLY ONE COAT GALV. PRIMER, THEN ONE COAT ALUMINUM PRIM. TO INSIDE & OUTSIDE TANK.

COORDINATE WORK IN AGRICULTURE AND HOME ECONOMICS

UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATIONS

FLUSH SYSTEMS

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