PLAN

NOTE: SEE REGULATIONS FOR CONCRETE THICKNESS AND REINFORCEMENT

INVERT OF INLET IS 3" ABOVE INVERT OF OUTLET

LONGITUDINAL SECTION

NOTES:
1. 9" OR 20% OF TOTAL LIQUID DEPTH
2. 40% OF TOTAL LIQUID DEPTH

TWO COMPARTMENT SEPTIC TANK
N.T.S.

FIGURE 2
NOTES:
1. ALL OUTLET INVERTS ARE TO BE LEVEL AND FROM 4" TO 6" ABOVE THE FLOOR OF THE BOX.
2. INLET INVERT HEIGHT IS TO BE 1" MIN. ABOVE OUTLET INVERTS.
3. EACH FIELD LATERAL IS TO BE CONNECTED INDIVIDUALLY TO THE DISTRIBUTION BOX AND IS NOT TO BE SUBDIVIDED.

DISTRIBUTION BOX DETAIL
N.T.S.

FIGURE 3
TYPICAL SEEPAGE BED
PIPE AND GRAVEL SYSTEM
N.T.S.

FIGURE 4
84

NOTES:
1. D-BOX IS REQUIRED FOR VOLUME OF SEPTIC TANK GREATER THAN 2000 GALLONS OR IF THERE ARE AN ODD NUMBER OF LINES.
2. 5' MIN. BETWEEN THE SEPTIC TANK AND LEACH FIELD.

MOUND FOR PROPER DRAINAGE

NATIVE BACKFILL

NUMBER OF CHAMBER ROWS PER DESIGN

TYPICAL SEEPAGE BED
CHAMBER SYSTEM
N.T.S.
FIGURE 5
RECTANGULAR LEACH PIT

N.T.S.

FIGURE 6

ABSORPTION AREA = 2dW + 2dL

\[ d \leq W \text{ or } L \]

\[ d = \text{EFFECTIVE DEPTH BELOW 4" DIA. PIPE} \]

W = WIDTH OF PIT

L = LENGTH OF PIT
UNDISTURBED EARTH
2' MIN.

SEPTIC TANK

SOLID PIPE

MANIFOLD TO BE LEVEL

4" DIA. PERFORATED PIPE
SLOPE LEVEL TO 2'/100'

SEE NOTE 2

SEE NOTE 1

SEE NOTE 3

PLAN
100' MAX.

D-BOX IS REQUIRED WHEN VOLUME OF SEPTIC TANK GREATER THAN 2000 GALLONS OR IF THERE ARE AN ODD NUMBER OF LINES

1. 5' MIN. BETWEEN THE SEPTIC TANK AND LEACH FIELD
2. DISTANCE BETWEEN TRENCHES VARIES, SEE SCHEDULE BELOW

SCHEDULE
<table>
<thead>
<tr>
<th>DEPTH &quot;D&quot; BELOW PIPE</th>
<th>MIN. DIST. BETWEEN TRENCH SIDEWALLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>18&quot; - 23&quot;</td>
<td>6' - 7'</td>
</tr>
<tr>
<td>24&quot; - 29&quot;</td>
<td>7' - 8'</td>
</tr>
<tr>
<td>30&quot; - 36&quot;</td>
<td>8' - 9'</td>
</tr>
</tbody>
</table>

18" MIN.
36" MAX.

12" MIN.

6"–0" MIN. SEE SCHEDULE ABOVE

"D"=DEPTH BELOW BOTTOM OF PIPE

NATIVE BACKFILL

UNTREATED BUILDING PAPER OR 2" LAYER OF HAY OR STRAW

SECTION

COARSE GRAVEL 1/2"–2 1/2"

ABSORPTION TRENCH

N.T.S.

FIGURE 7
**TABLE 8**

<table>
<thead>
<tr>
<th>SLOPE</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>0% - 5%</td>
<td>3'-0&quot;</td>
</tr>
<tr>
<td>5% - 10%</td>
<td>4'-0&quot;</td>
</tr>
<tr>
<td>10% - 20%</td>
<td>5'-0&quot;</td>
</tr>
</tbody>
</table>

* FOR SLOPES GREATER THAN 20%, USE EQUATION: \( D = 10 \times \text{SLOPE} + 3' \)

**EXAMPLE**

IF \( S = 27\% \) THEN \( D = 10 \times 0.27 + 3' = 5.7 \text{ FEET} \)
Plan

The inlet and outlet should be placed as far apart as possible

Invert of inlet is 3" above invert of outlet

Longitudinal section

Grease interceptor

N.T.S.

Figure 9
SAND SPECIFICATION - BELOW CHAMBER BED PLACE A TWO (2) FOOT THICK LAYER OF A FINE SAND OR A LOAMY SAND WITH THE FOLLOWING GRADATION AND REQUIREMENTS:

<table>
<thead>
<tr>
<th>SIEVE SIZE</th>
<th>PERCENTAGE BY WEIGHT PASSING</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot;</td>
<td>100%</td>
</tr>
<tr>
<td>No. 4</td>
<td>80 - 100%</td>
</tr>
<tr>
<td>No. 200</td>
<td>0 - 5%</td>
</tr>
</tbody>
</table>

THE PLASTICITY INDEX SHALL NOT EXCEED 9. THE SOLUBLE SULFATE CONTENT SHALL NOT EXCEED 0.3% BY DRY WEIGHT. THE UNIFORMITY COEFFICIENT SHALL BE LESS THAN 4. THE INFILTRATION RATE SHALL BE BETWEEN 1.5 GPD/SF AND 2.5 GPD/SF.

SAND LAYER DETAIL
CHAMBER SYSTEM
N.T.S. Figure 10
SAND SPECIFICATION - BELOW GRAVEL
PLACE A TWO (2) FOOT THICK LAYER
A FINE SAND OR A LOAMY SAND WITH THE
THE FOLLOWING GRADATION AND REQUIREMENTS:

SIEVE SIZE PERCENTAGE BY WEIGHT PASSING
3/8"  100%
No. 4  80 - 100%
No. 200 0 - 5%

THE PLASTICITY INDEX SHALL NOT EXCEED 9.
THE SOLUBLE SULFATE CONTENT SHALL NOT EXCEED 0.3% BY DRY WEIGHT.
THE UNIFORMITY COEFFICIENT SHALL BE LESS THAN 4.
THE INFILTRATION RATE SHALL BE BETWEEN 1.5 GPD/SF AND 2.5 GPD/SF.

SAND LAYER DETAIL
PIPE AND GRAVEL SYSTEM
FIGURE 10A
AERATION RISER DETAILS
N.T.S.  
FIGURE 11
VAPOUR BARRIER DETAILS
N.T.S.

FIGURE 12