TABLE OF VARIABLE DIMENSIONS AND QUANTITIES FOR ONE HEADWALL

Values for one Pipe

<table>
<thead>
<tr>
<th>No.</th>
<th>X</th>
<th>Y</th>
<th>L</th>
<th>No.</th>
<th>X</th>
<th>Y</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. Quantities shown are for concrete pipe and will increase slightly for metal pipe installations.

2. For vehicle safety, curbs shall be placed no more than 3' above finished grade. Curbs height shall be reduced, if necessary, to meet these requirements. No credits shall be made for any such reduction of curbs.

3. Provide a 1'-0" footing as shown where required to maintain 4" min. cover for pipes.

4. Quantities shown are for concrete pipe and will increase slightly for metal pipe installations.

5. Min. Length = 6" + 3" x (one headwall).

6. Max. Length = 12 x h x 3" + 3" x (one headwall).

7. Length of wings based on 1:4 slope along this line.

8.范围内设有钢筋，用于加强结构强度。钢筋的使用应符合AASHTO LRFD规范。

9. 在行车安全考虑中，护坡应置于路缘线以上3'处。如有必要，钢筋高度应减少，以满足这些要求。

10. 提供1'-0"的脚石，以保持管道的最小覆盖厚度4"。

11. 数量显示为混凝土管道，金属管道安装时会略有增加。

12. 最小长度为6" + 3" x (一个头墙)。

13. 最大长度为12 x h x 3" + 3" x (一个头墙)。

14. 翼的长度基于1:4的坡度沿此线。

CONCRETE HEADWALLS WITH FLARED WINGS FOR 15° SKEW PIPE CULVERTS

Texas Department of Transportation Bridge Design Standard

CH-FW-15