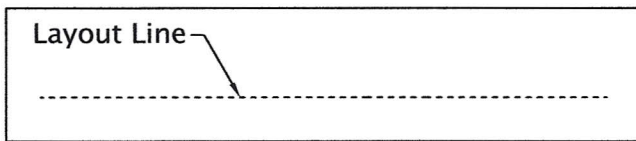


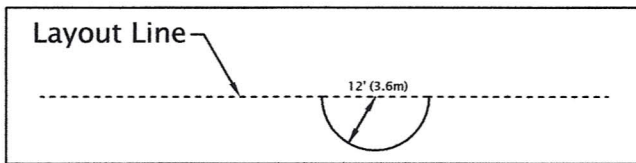
# HOW TO DRAW THE LAYOUT OF THE BASIC CURVED SYSTEM

Draw the layout of the basic curved system that consists of the curved single-file chute, round crowd pen, and wide curved lane. The basic layout is three half circles with their radius points on the layout line. Take the following steps to begin drawing the layout lines for the the basic curved system:

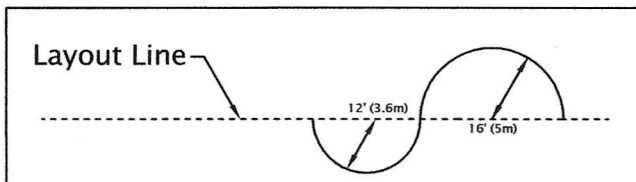
**Step 1.** Draw a horizontal line on the paper. The radius points for the curved single-file chute, round crowd pen, and wide curved lane will be on this line.



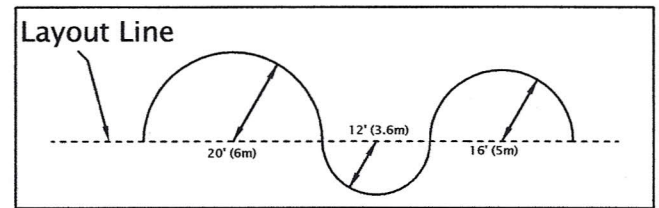
**Step 2.** Draw the half circle with a 12-foot (3.6m) radius along the layout line. This forms the outer radius of the round crowd pen. The length of the radius may need to be adjusted a few inches or centimeters to allow space for the crowd gate hinges and ratchet latch.



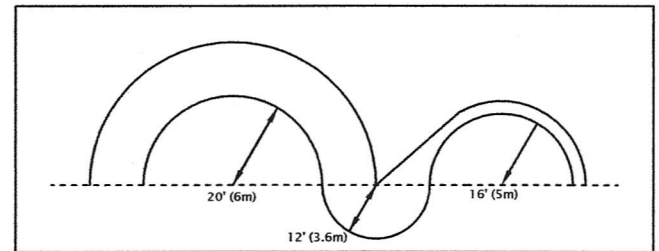
**Step 3.** Draw a second half circle with a 16-foot (5m) radius along the same layout line. The second half circle forms the inner radius of the single-file chute.



**Step 4.** Draw a third half-circle along the layout line. This forms the inner radius of the wide curved lane. The radius can vary anywhere from 12-feet (3.6m) to 35-feet (10.6m). A 20-foot (6m) radius is shown here.



**Step 5.** Draw the outer radius of both the single-file chute and the round crowd pen.



**Step 6.** Add the handler gates, crowd gate, and block gates.

