

Appendix B: WFTDA Track Design and Specifications

I. Procedure: Creating the boundaries of the WFTDA Roller Derby Track

Track Circumference:

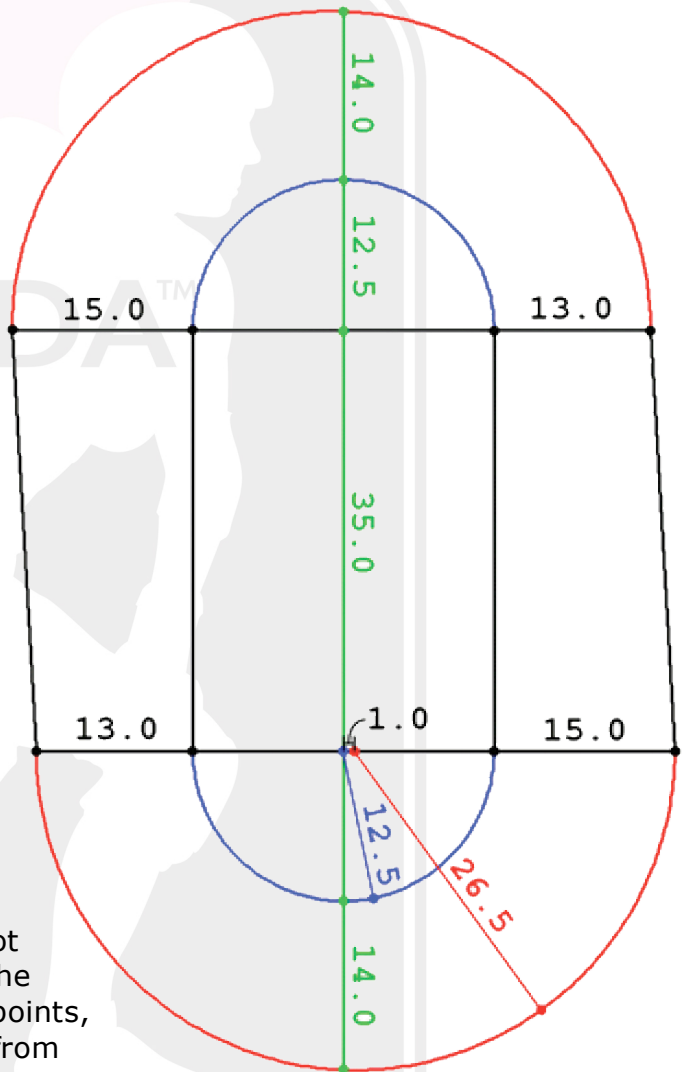
Inside = 148.5' Outside = 236.5'

Materials Required:

- 100' tape measure
- Marking tape, chalk, or some other method of making marks
- At least 385' of rope, rope light or boundary-making material; the WFTDA rules specify boundary height required for bouts
- At least two people; faster with 4-6

Procedure:

1. Centerline: Lay the tape measure down the middle of the track, measuring the entire 88' length of track and marking at 44' (center).
2. Inside arc compass: From the center mark 17.5' lengthwise in both directions. Using the mark as the compass point, draw the arc of the inside line 12.5' from straightaway edge to straightaway edge.
3. Outside arc compass: Measure one foot to the left of the bottom and right of the top, and mark. From those compass points, draw the arc of the outside line 26.5' from straightaway edge to straightaway edge.
4. Connect straight-aways



II. Procedure: Drawing 10' lines on the WFTDA Derby Track

Procedure

Using the diagram (figure 2) as a guide, the 10' increments can be marked through the following basic steps. Note that the circled numbers on the diagram correspond to both the step numbers and any numbers represented in parentheses below:

First Straightaway

1. Starting at the center points for the inside-track arcs, draw the PIVOT line from the center point to the end of the straightaway and continue this across the track to the outside edge.
2. Measure back 10' from the center line and from the inside straightaway from the first mark (1). Use these two new marks to extend a line across the derby track.
3. Measure back 10' from the center line and from the inside straightaway from the last mark (2). Use these two new marks to extend a line across the derby track.
4. Measure back 10' from the center line and from the inside straightaway from the first mark (3). Use these two new marks to extend a line across the derby track. This is your JAMMER LINE.

Second Straightaway

5. Starting at the other center point for the inside-track arcs, draw a line from the center point to the end of the straightaway and continue this across the track to the outside edge.
6. Measure back 10' from the center line and from the inside straightaway from the last mark (5). Use these two new marks to extend a line across the derby track.
7. Measure back 10' from the center line and from the inside straightaway from the last mark (6). Use these two new marks to extend a line across the derby track.
8. Measure back 10' from the center line and from the inside straightaway from the last mark (7). Use these two new marks to extend a line across the derby track.

First Curve

9. From the point (1) on the inside track, use a ruler to measure a distance of 7' 1/2" along the arc. Note that this distance is a straight-line measurement, and should not follow the curve. At the point where the 7' 1/2" intersects the curve is the position to mark on the track. Extend a line from the center point through this mark and all the

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way across the track.

10. From the point (9) on the inside track, use a ruler to measure a distance of 7' 1/2" along the arc. At the point where the 7' 1/2" intersects the curve is the position to mark on the track. Extend a line from the center point through this mark and all the way across the track.

11. From the point (10) on the inside track, use a ruler to measure a distance of 7' 1/2" along the arc. At the point where the 7' 1/2" intersects the curve is the position to mark on the track. Extend a line from the center point through this mark and all the way across the track.

12. From the point (11) on the inside track, use a ruler to measure a distance of 7' 1/2" along the arc. At the point where the 7' 1/2" intersects the curve is the position to mark on the track. Extend a line from the center point through this mark and all the way across the track.

13. From the point (12) on the inside track, use a ruler to measure a distance of 7' 1/2" along the arc. At the point where the 7' 1/2" intersects the curve is the position to mark on the track. Extend a line from the center point through this mark and all the way across the track.

The remaining section (partially curved and partially straight) are also 10'. Since they are different in shape than the others (all straight or all curved) we work our way into them instead of drawing / measuring them directly. Any errors you've made or limitations of your measuring tools will end up in this section. As it does look different, those inconsistencies will not be noticed.

Second Curve

14. From the point (5) on the inside track, use a ruler to measure a distance of 7' 1/2" along the arc. Note that this distance is a straight-line measurement, and should not follow the curve. At the point where the 7' 1/2" intersects the curve is the position to mark on the track. Extend a line from the center point through this mark and all the way across the track.

15. From the point (14) on the inside track, use a ruler to measure a distance of 7' 1/2" along the arc. At the point where the 7' 1/2" intersects the curve is the position to mark on the track. Extend a line from the center point through this mark and all the way across the track.

16. From the point (15) on the inside track, use a ruler to measure a distance of 7' 1/2" along the arc. At the point where the 7' 1/2" intersects the curve is the position to mark on the track. Extend a line from the center point through this mark and all the way across the track.

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17. From the point (16) on the inside track, use a ruler to measure a distance of 7' 1/2" along the arc. At the point where the 7' 1/2" intersects the curve is the position to mark on the track. Extend a line from the center point through this mark and all the way across the track.

18. From the point (17) on the inside track, use a ruler to measure a distance of 7' 1/2" along the arc. At the point where the 7' 1/2" intersects the curve is the position to mark on the track. Extend a line from the center point through this mark and all the way across the track.

The remaining section again is where any and all minor errors will be concealed due to its different shape

