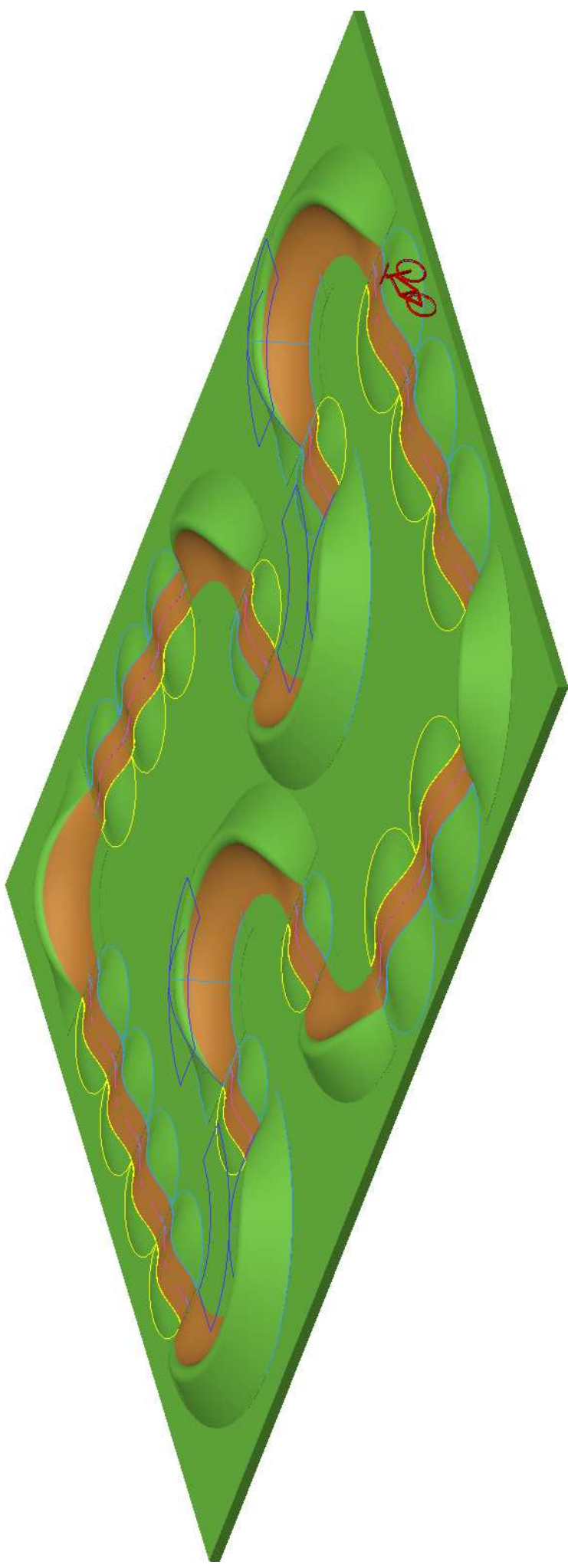


# UL Mountain Bike Club Proposed Pump Track Design

BROWN AREAS MARK PATH THROUGH PUMP TRACK



Technical drawing of a U-shaped floor plan. The drawing includes the following dimensions:

- Overall Dimensions:**
  - Width: 808" / 20.52m
  - Depth: 1128" / 28.65m
- Internal Dimensions (from left to right):**
  - Leftmost section: 500" / 12.7m
  - First U-turn: 210" / 5.33m
  - Second U-turn: 210" / 5.33m
  - Third U-turn: 210" / 5.33m
  - Rightmost section: 500" / 12.7m
- Internal Dimensions (from top to bottom):**
  - Top section: 600" / 15.24m
  - First U-turn: 300" / 7.62m
  - Second U-turn: 300" / 7.62m
  - Third U-turn: 300" / 7.62m
  - Bottom section: 300" / 7.62m
- Radius Callouts:**
  - Top-left corner: R105" / R2.67m
  - Bottom-left corner: R105" / R2.67m
  - Bottom-right corner: 48" / 1.22m

48" / 1.22m

R105"/R2.67m

808"/20.52m

6000" / 15.24m

300" / 7.62m

300" / 7.62m

500" / 12.7m

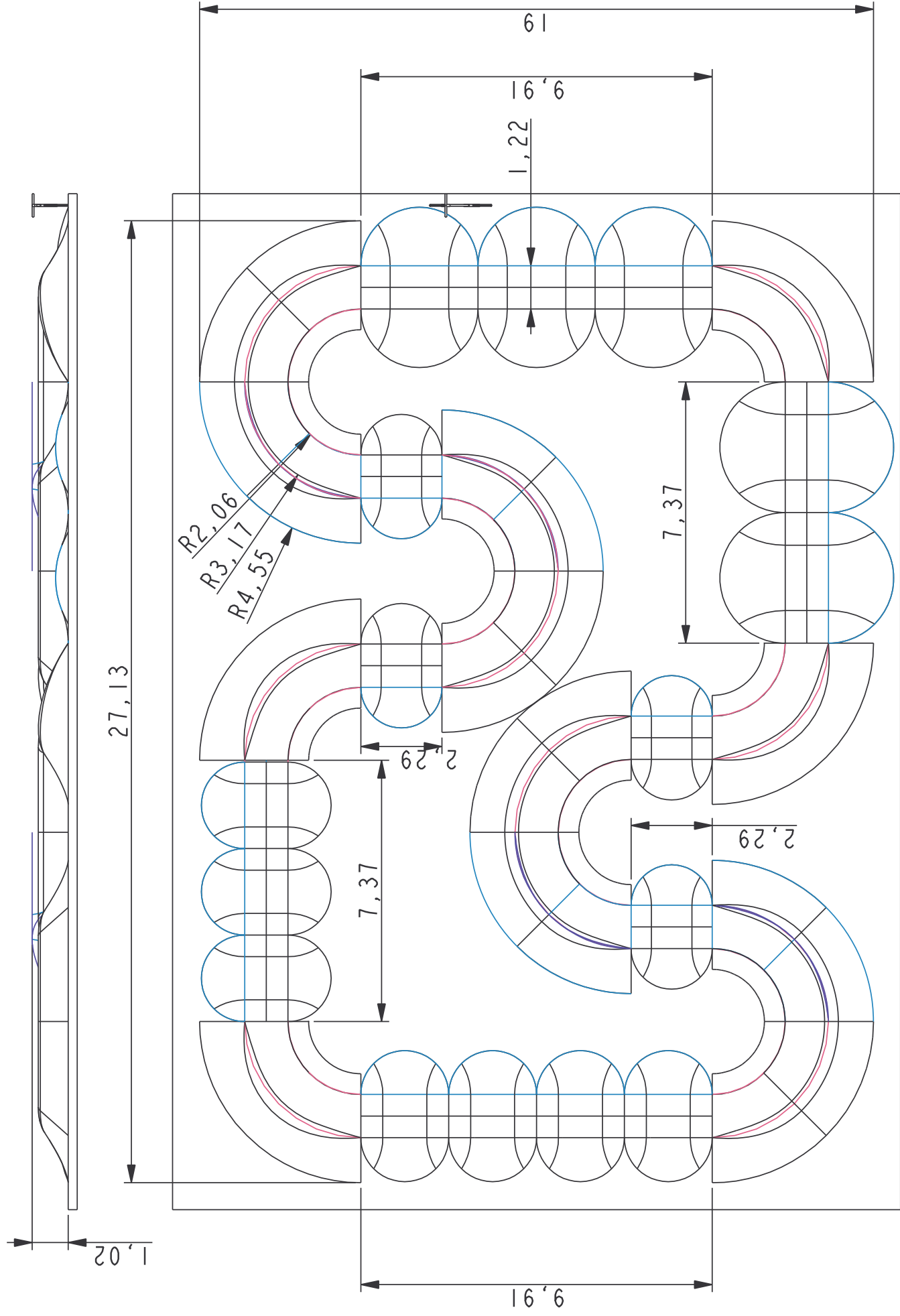
210"/5.33m

210"/5.33m

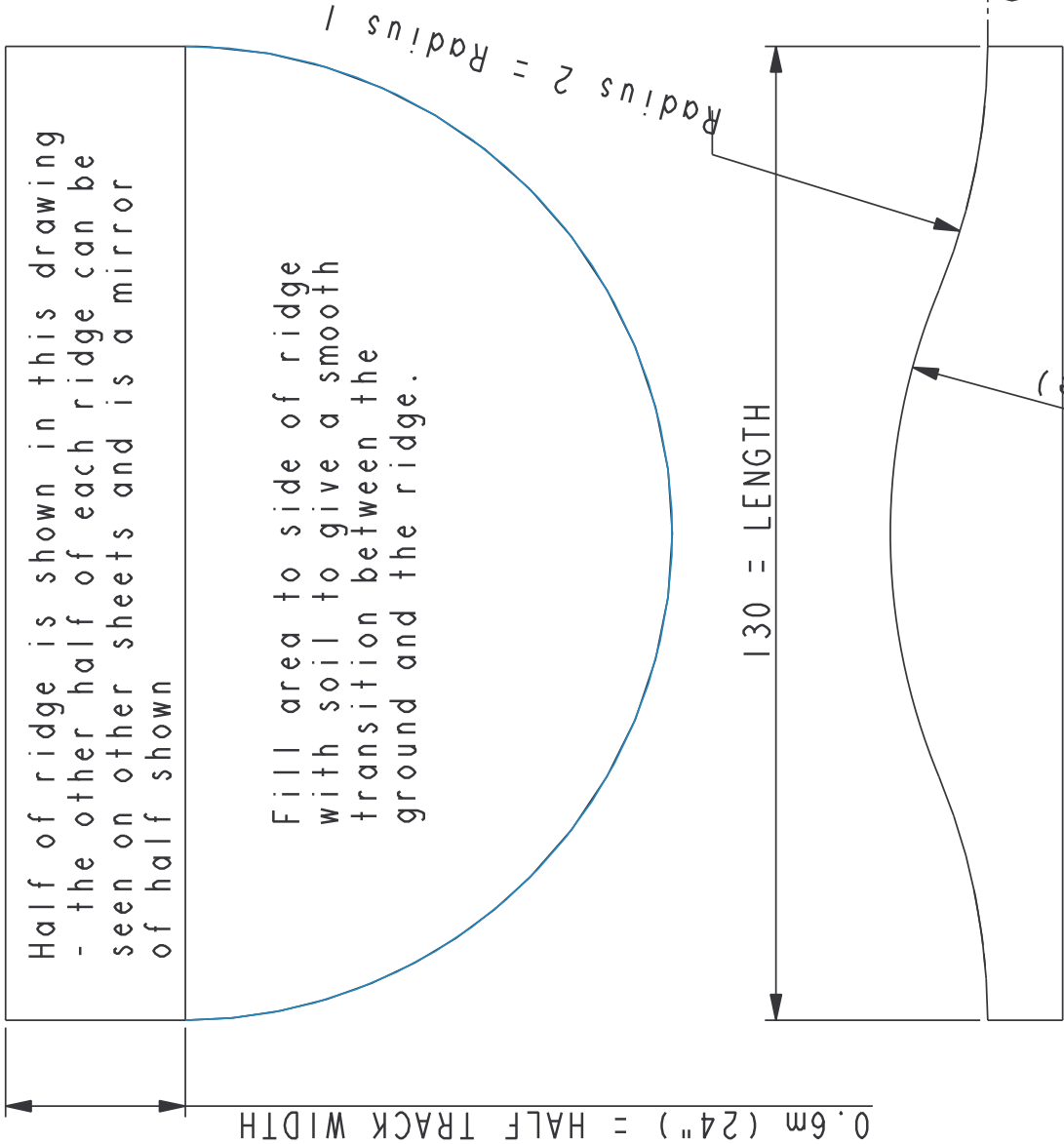
1128"/28.65m

Technical drawing of a mechanical part, showing a top view and a side view. The drawing includes the following dimensions and radii:

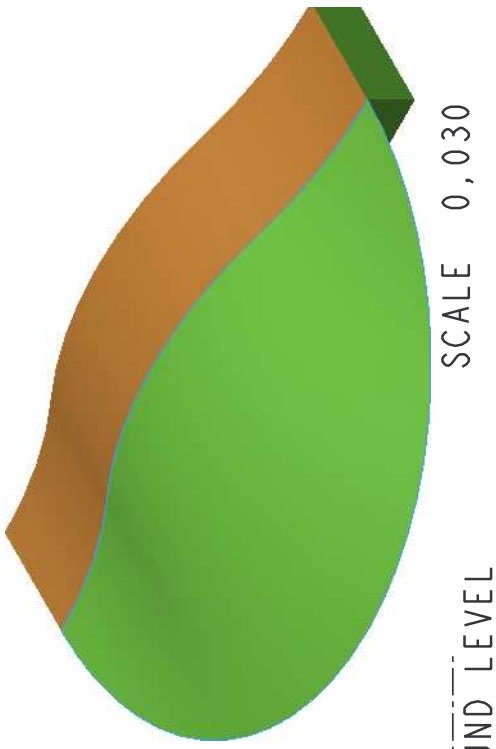
- Overall width: 19
- Overall height: 27,13
- Top view width: 16,91
- Top view height: 1,22
- Side view width: 7,37
- Side view height: 2,29
- Radii:  $R2,06$ ,  $R3,17$ ,  $R4,55$
- Bottom view width: 1,02
- Bottom view height: 9,91



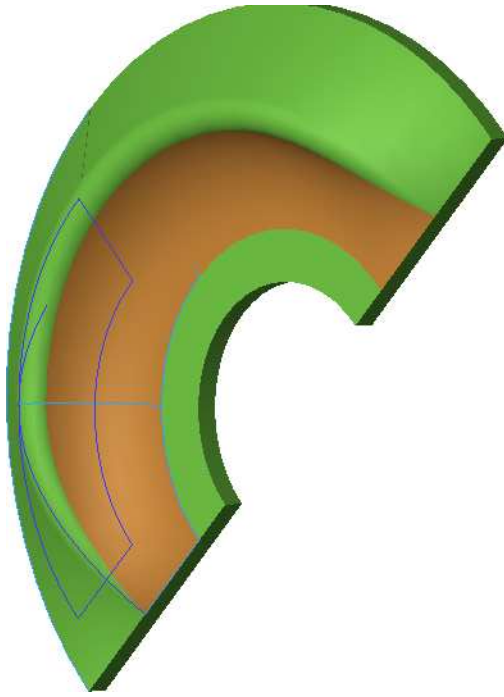
DETAIL OF GENERIC RIDGE USED FOR CONSTRUCTING TRACK - SEE TABLE FOR SPECIFIC DIMENSIONS



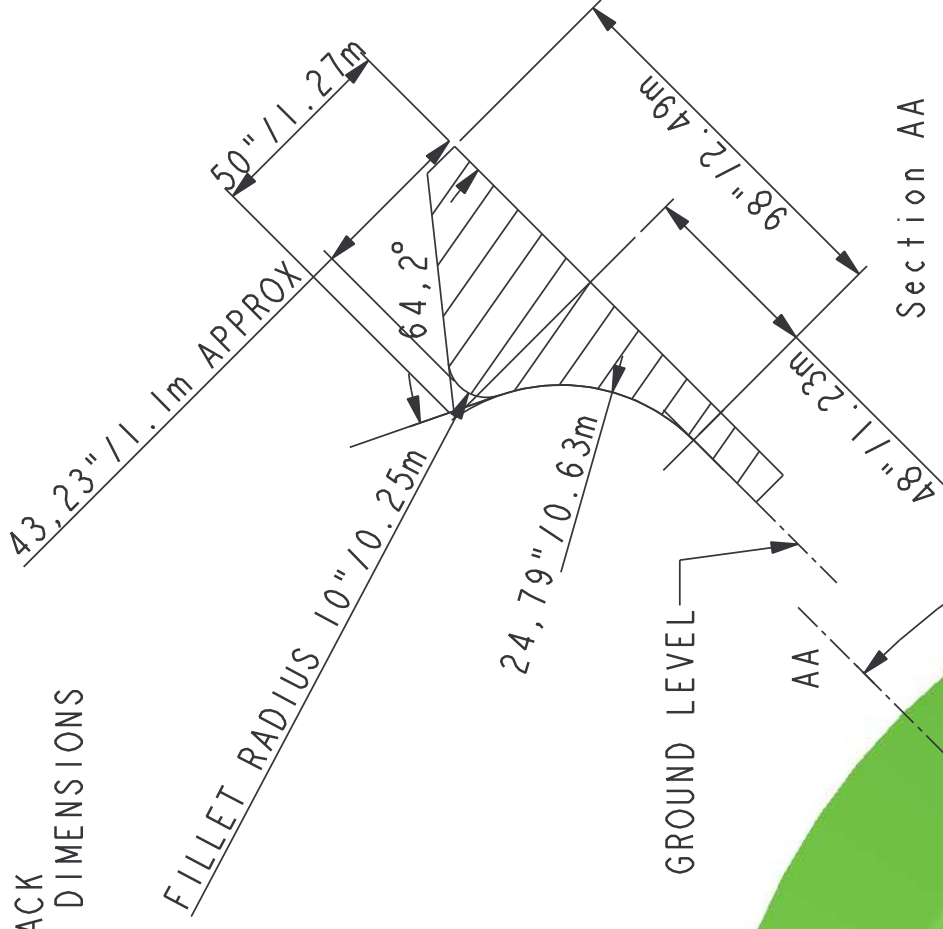
Name	Height	Length
9 x 90	0.23m	2.29m
9 x 96	0.23m	2.44m
10 x 97.5	0.25m	2.48m
13 x 130	0.33m	3.30m
14 x 145	0.36m	3.68m



DETAIL OF 180° TURN IN TRACK  
ALL CORNERS HAVE THE SAME DIMENSIONS



SCALE 0,012



At peak of bend, angle is 64.2° and bend radius is 3.17m. This gives a maximum no grip cornering speed of 28.9km/h (17.9mph). Soil is more likely to only pack to a 60° max slope, giving a 26.4km/h (16.4mph) max no grip speed.

ALL CORNERS START FROM FLAT, SMOOTHLY RISING TO THE PEAK HEIGHT 45° THROUGH THE CORNER AND DROPPING BACK TO FLAT FOR THE LAST 45° OF THE CORNER

