

NEW BICYCLE PUMP TRAIL

Design based on Forte Trailscapes Ltd

Bicycle Pump Track to fit within estimated 28 x 18m space within school ground not used for sports as in sufficient size.

The track has been designed in a way that it offers a facility for predominately bicycle riders, but not excluding skaters & scooter users. This track will offer a fun challenge to all users, with a variety of options to cater to all abilities, whilst challenging experienced riders and still being safe for beginners.

The concept design has been designed with two circuits one aimed at the older more experienced pupil and the smaller circuit being easier with lower level jumps for use of balance bikes or those who may still use stabilisers.

Works are to include removal of turf and top soil as well as leveling & terracing prior to building the track.

Heras site safety fencing shall be installed around the work area at all times along with relevant safety signage, including establishing the tree protection zones.

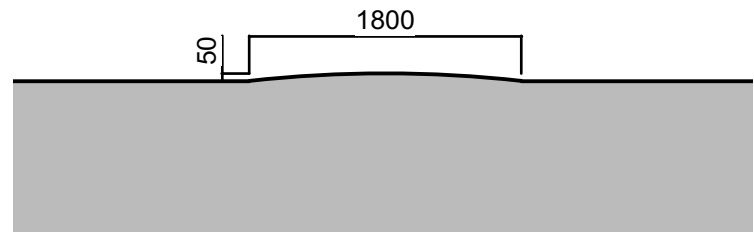
Any riding surfaces will be cambered to encourage rain water into french drains or limestone soakaways into the existing grass. French drains shall be installed in wet areas if required.

Track base will be made up with subsoil on site, before laying a water permeable weed proof membrane and 60mm crushed aggregate sub base (20mm scalping/ 40mm MOT type 1) or similar and compacted. The finished track surface will be covered with a compacted specialist pump track specific SMA Asphalt wearing course. The Asphalt Surface to be laid to a minimum 60mm depth sculpted into transitions and convex berm shapes before compacting with compactor plates.

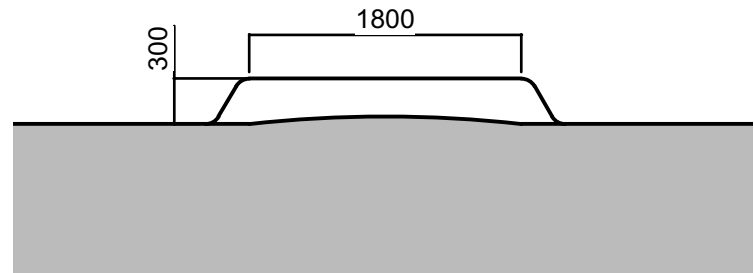
The Main Track shall be 1.8m width for it's entirety, except the jump base depending on the obstacle. The Learner Track shall be 2.5m wide to offer a greater margin of risk for younger riders.

Once the track is completed the immediate surrounding area shall be landscaped, top soiled before laying lawn turf around the immediate area surrounding the tracks. Finally the remaining exposed dirt shall be tidied/ graded back using plant machinery and seeded.

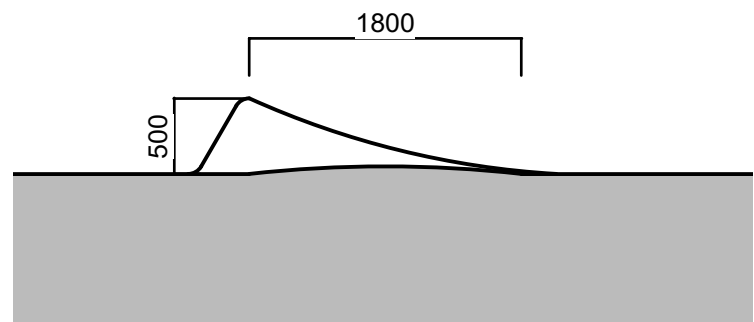
All work undertaken adheres to following BSI standards:
 Earthworks and earth moving machinery BS EN474-1:2006 +A6:2019.
 Tree works recommendations: BS3998:2010.



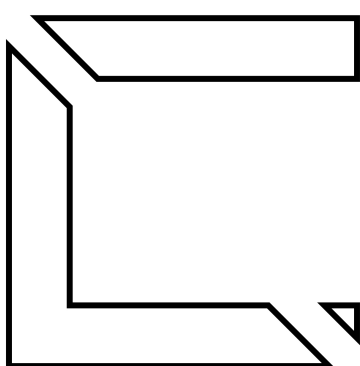
TYPICAL PUMP TRAIL CROSS SECTION
 Track 1.8m width
 Level with existing ground at edges
 Camber creates 50mm rise in the centre



TYPICAL PUMP TRAIL BUMP
 Track 1.8m width
 Bump 300mm high



TYPICAL PUMP TRAIL CORNER
 Track 1.8m width
 Corner inside level and outside 500mm



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FOR PLANNING

Rev	Date	Description
A	17/09/21	3D illustration removed. Typical cross sections added.

Project
 NEW BICYCLE
 PUMP TRAIL

Client
 ALVERTON PRIMARY SCHOOL

Drawing Title
 DESIGN STATEMENT
 & TYPICAL CROSS SECTIONS

CAD Ref:1
 LCL 0165B AP-04
 Status
 RIBA Stage 2/3

165B AP-04 A

Scale
 1:50 @ A3
 Date
 May 2021