

NATIONAL STANDARD BMX RACE TRACK

SPECIFICATION & DESIGN GUIDELINES

www.bmxireland.ie

BMX IRELAND

cyclingireland

cyclingulster



PERRY PARK, BIRMINGHAM - CLARK & KENT

ABOUT BMX IRELAND

BMX Ireland is affiliated to **Cycling Ireland**, the National Governing Body for the sport of Cycling on the island of Ireland and affiliated to the **Union Cycliste Internationale (UCI)**.

Our aim is simple, promote and develop the sport of BMX Racing in Ireland.

For queries on Track Design & Development in Ireland please contact:

Eamonn Wyer (south)

+353 87 231 7927

eamonn@bmxireland.ie

or

Kevin McShane (north)

+44 7770 943711

kevin@bmxireland.ie

www.bmxireland.ie



WHAT IS BMX RACING

BMX started in the early 1970s when children began racing their bicycles on dirt tracks in southern California, drawing inspiration from the motocross superstars of the time. The size and availability of the Schwinn Sting-Ray and other 'wheelie bikes' made them the natural bike of choice, since they were easily customized for better handling and performance. BMX racing was a phenomenon by the mid-1970s. Children were racing standard road bikes off-road, around purpose-built tracks in California. The 1972 motorcycle racing documentary 'On Any Sunday' is generally credited with inspiring the movement nationally in the US; its opening scene shows kids riding their Sting-Rays off-road. By the middle of that decade the sport achieved critical mass, and manufacturers began creating bicycles designed especially for the sport.

By the early 1980's the sport spread across the Atlantic and took off in the UK, Europe and of course Ireland. BMX racing in Ireland had a huge following during the mid to late 80's with nationals having more than 400 riders. Hopefully we'll build up to those numbers again.

BMX racing today is held on specially prepared dirt tracks over jumps and around banked berms such as the Ratoath Track in Co. Meath. Typical tracks are 350m to 400m long and races are sprints between 8 riders that last under 50 seconds.

Since 2008 BMX racing is an Olympic Medal Event and one of the most popular additions to the Olympic movement.

BMX Racing provides a safe and challenging sport for male and female alike. Events cater from under 6 to over 40 years old. It's clean, exciting fun that whole families can get involved in whether as a racer, spectator or track volunteer. BMX has something to offer everyone.



NATIONAL STANDARD TRACK REQUIREMENTS

The BMX track requires a space of 105m x 55m, a downhill orientation taking account of prevailing wind is preferable. Track area does not include spectator area.

The BMX Track will consist of 4 straights of approx. 90m each (other designs possible), 360m approx. total length.

Each of the 4 straight should be raised to allow for drainage and each of the straights should be lower than the previous one to allow for a downhill feel to the track.

Track width will be 10m wide at the start hill for an 8m wide gate, 9m wide 1st straight. 7m wide 2nd straight and 6m wide 3rd & 4th straights.

The surface will be suitable for the Irish Climate with suitable drainage. Jump sides will be shaped to allow rain drain off the sides and not to gather or run down the faces.

Track design should be roll-able for younger riders yet challenging for experienced riders.

Electronic safety Starting Gate system.

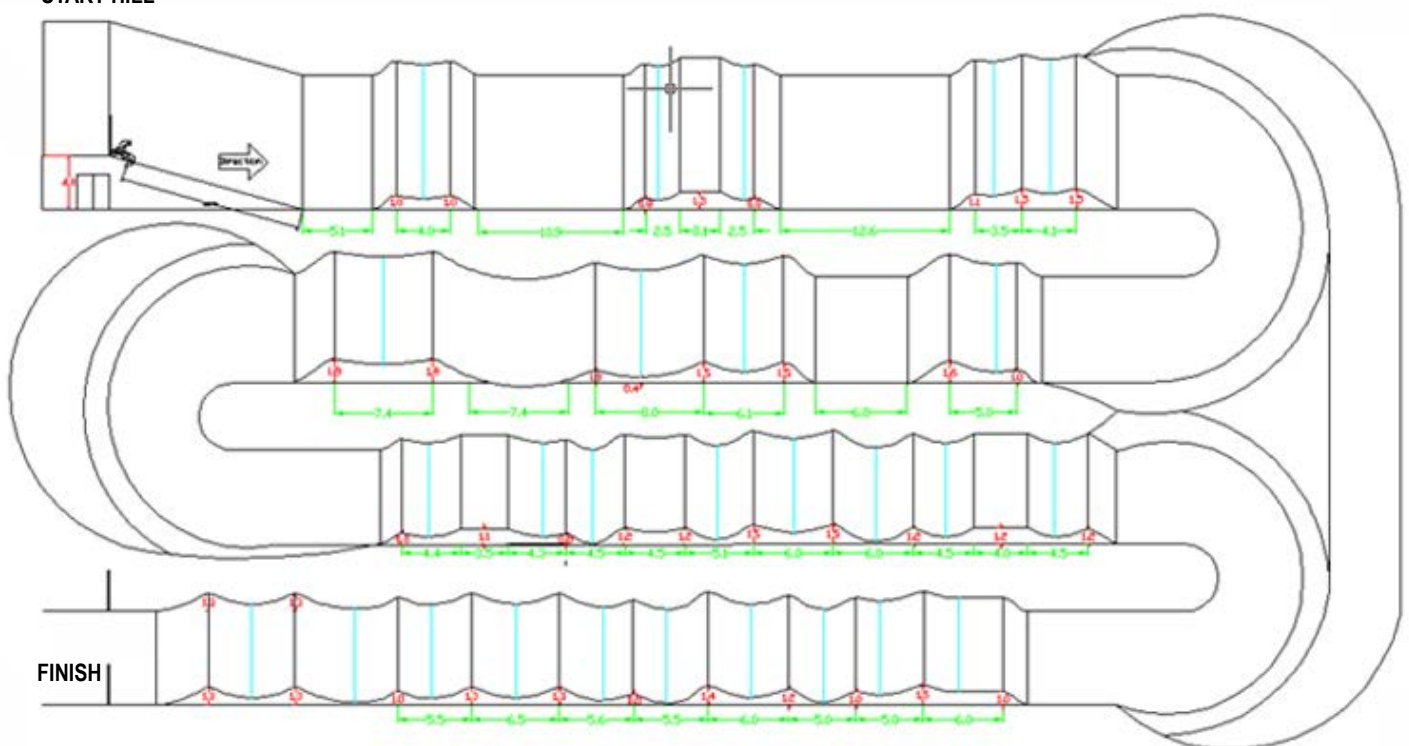
Secure Container for club storage, ideally integrated into start hill.

Galvanised starting pens (ten), and safety rails around start hill.

Galvanised Start and Finish Line gantries.

Water supply and electrical supply available for operation and maintenance.

START HILL



NATIONAL STANDARD TRACK SPECIFICATION

Basic track shape and layout will be crafted from soil.

90mm deep base layer of 3.5" down stone will be applied to the start hill, flat track sections and the Berms, for drainage and to properly support the tarmac layer.

100mm deep layer of 1.5" down 803/804 will then be applied to the entire track, at this point the track should be shaped to 95% of the design.

75mm Deep layer of 6mm SMA Tarmac will be applied hot as the top layer to the Start Hill and Berms, raked level and whacked.

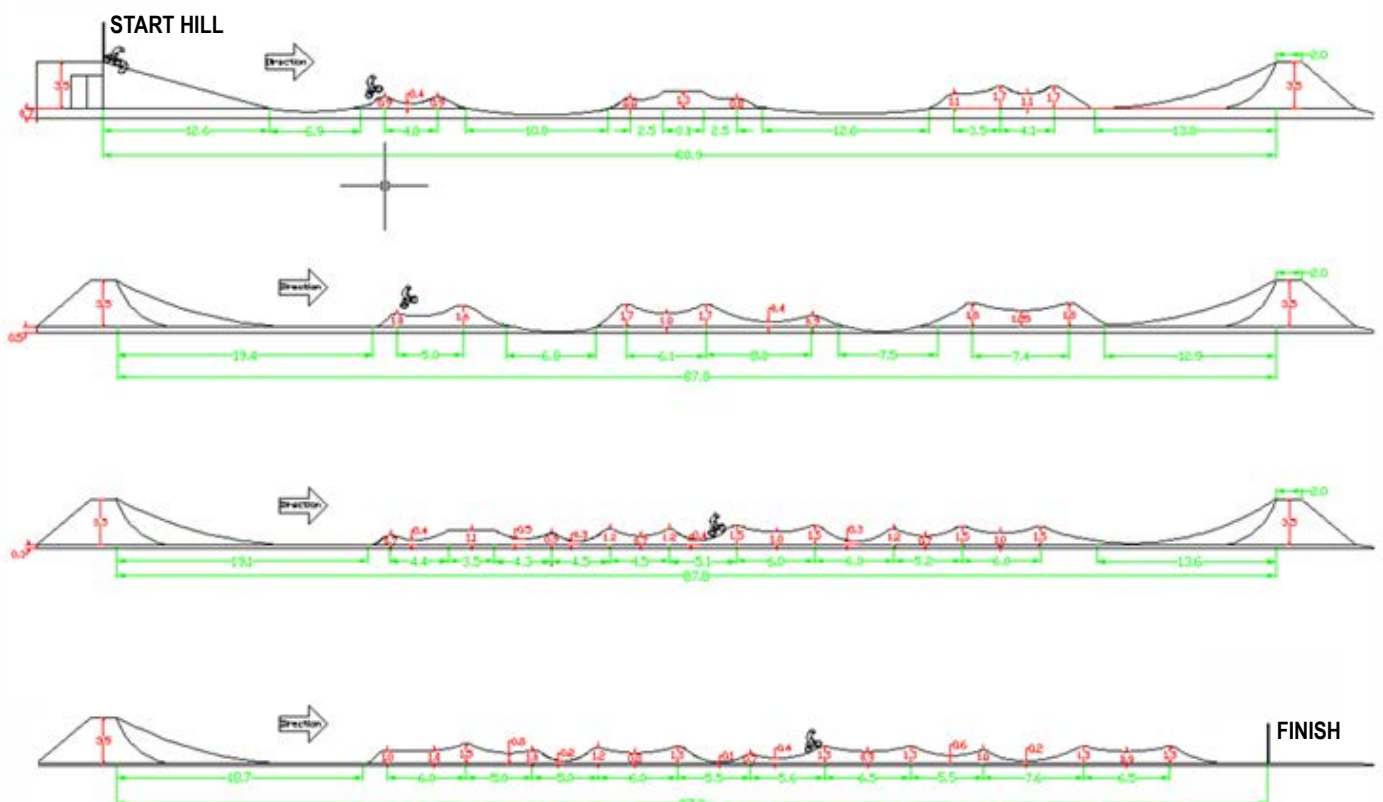
50mm deep layer of a "Specified" 0-3mm Limestone dust applied evenly on the track with a harder wearing 100mm deep application on peaks and faces.

Topsoil layer 150mm deep and grass to be applied on sides of start hill, backside of Berms, sides of jumps up to top level of jumps to prevent erosion.

Start hill will have a concrete pad and recess suitable for chosen start gate system.

Ducting/pipes for floodlights, water pipes and drainage pipes should be placed in drainage ditches and a clean stone backfill used, ditches should be dug after the track is built to prevent clogging.

Surrounding areas such as pens and finish line return areas paths and spectator areas etc. should be surfaced.



NATIONAL STANDARD TRACK

Build timescale is estimated at 14 weeks, weather dependant.

Cost is estimated at approx. €100,000 - €150,000 (£80,000 - £120,000 STG) dependant on site and changes to specification.

Track Designs drawings are by Kelvin Batey "Ireland's World Class Elite BMX Racer" with 25 years top class World Wide BMX racing and track building experience. He has travelled all over the World riding many top standard tracks while overseeing many track builds in the UK.

NEED A TRACK DESIGNED AND BUILT?

BMX Ireland can supply you with a list of experienced track builders and designers in both Ireland and the UK should you require them.

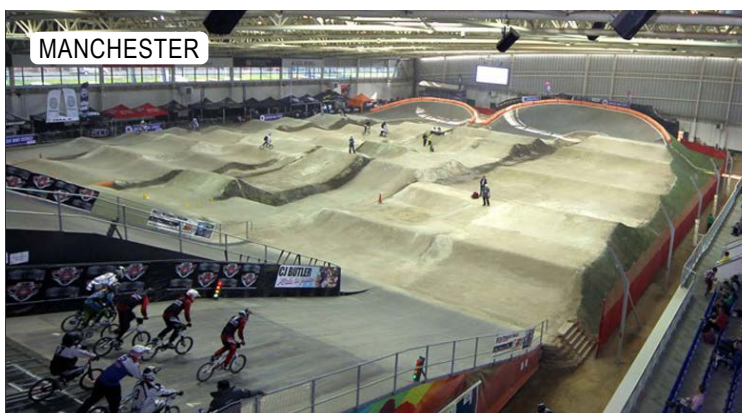
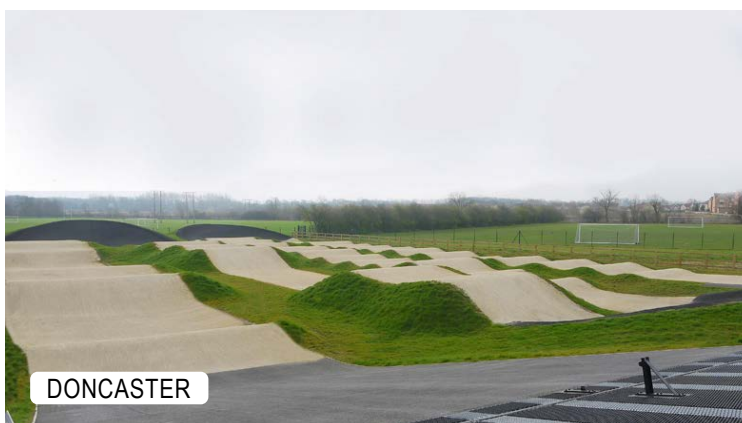
Please contact us at one of the following

info@bmxireland.ie

eamonn@bmxireland.ie

kevin@bmxireland.ie

See www.bmxireland.ie/tracks for videos of track building in progress.



www.bmxireland.ie

get involved



ULSTER

CONNACHT

BMIX IRELAND

LEINSTER

MUNSTER

BMIX IRELAND

cyclingireland

cyclingulster

NOTES:

A large, empty white rectangular area intended for notes, framed by a dark border.