

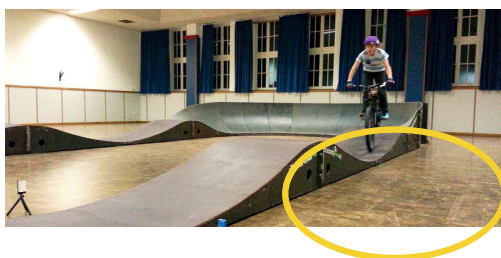
Site Preparation

Choosing and preparing the installation site is critical to make installation easy and usage safe. The local authorities may require permits for installation of the track and/or the landscaping required. It is the responsibility of the track owner to ensure that all such requirements are met.

The Modular Pumptrack can be installed on any site that meets the following criteria:

- The surface **MUST**:
 - be compact enough to support the weight of the track
 - be flat, without steps, undulations or depressions in the terrain
- The 2 meters of Safety Zone around the track, measured from any given point, must be free of any potential hazards and/or obstacles.
- The site has adequate drainage to prevent puddles and other forms of standing water, such as mud or marsh, accumulating anywhere on the installation site.
- The slope of the installation area must **NOT** exceed 4% in any direction including the diagonals. See “Fig. 6.1 Terrain Slope Diagram”

NOTE: On smooth or slippery surfaces, tension can build up between the modules as they shift during usage. This can cause gaps to appear between the modules and if left unchecked, can even cause damage to the modules. This effect can be eliminated by attaching the track to the installation surface, or significantly reduced by adding a layer of anti-slip material (tacky rubber, etc.) between the modules and the installation surface.



NOTE: On surfaces prone to scratches, like parquet or hardened rubber flooring, damage can occur, both from the track itself and from the riders' equipment. Add a protective layer of material to reduce the risk of damage.

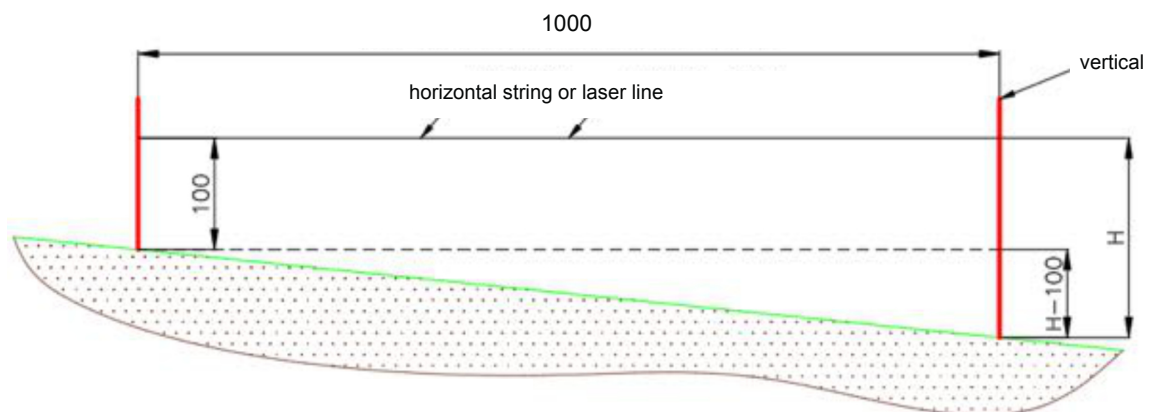
NOTE: When installing on grass or other vegetation, keep in mind that damage may occur in the area that is directly under the track because it will not receive adequate sunlight. The area around the track may also be damaged by riders, spectators and installation equipment.



Fig. 6.1 - Terrain Slope Diagram

PROCEDURE:

1. Measure "H" and subtract 100cm to get the change in height across 10m
2. Check the result from step 1 against the "Slope % Table" to ensure that your site does not exceed the 4% limit
3. Repeat steps 1 & 2 for all sides and diagonals of the site



Slope % Table

Slope	Difference in height over 10m
1%	10cm
2%	20cm
3%	30cm
4%	40cm

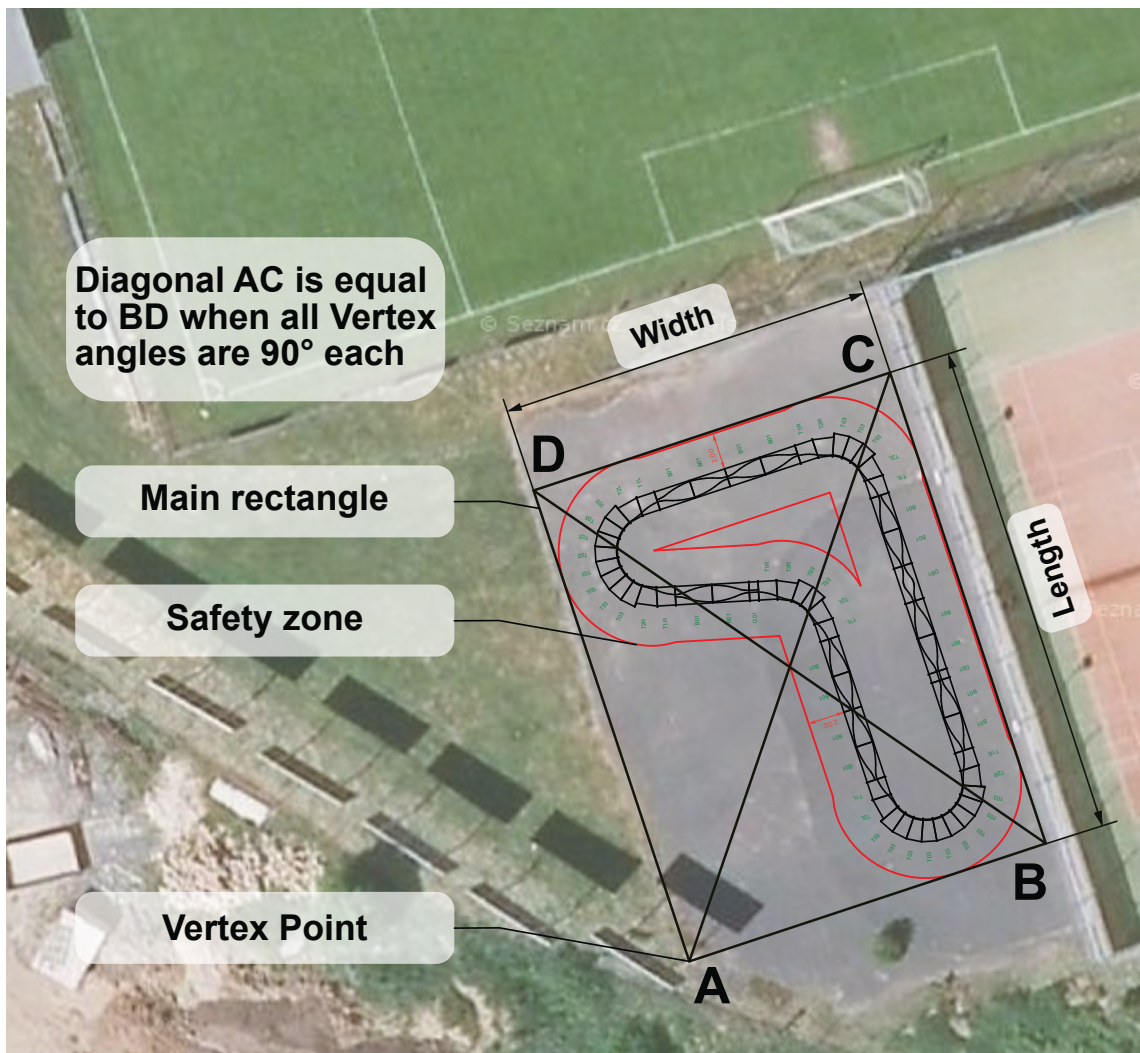


Layout Procedure

The better job you do with your layout, the easier the assembly process will be. It is best practice to have your layout ready before the Modular Pumptrack arrives. The following is an example layout procedure for the “World Cup”. All other layouts should follow the same methodology.

1. Main Rectangle


Layout the Main Rectangle checking to ensure all Vertex Points are 90° each by measuring the diagonals.

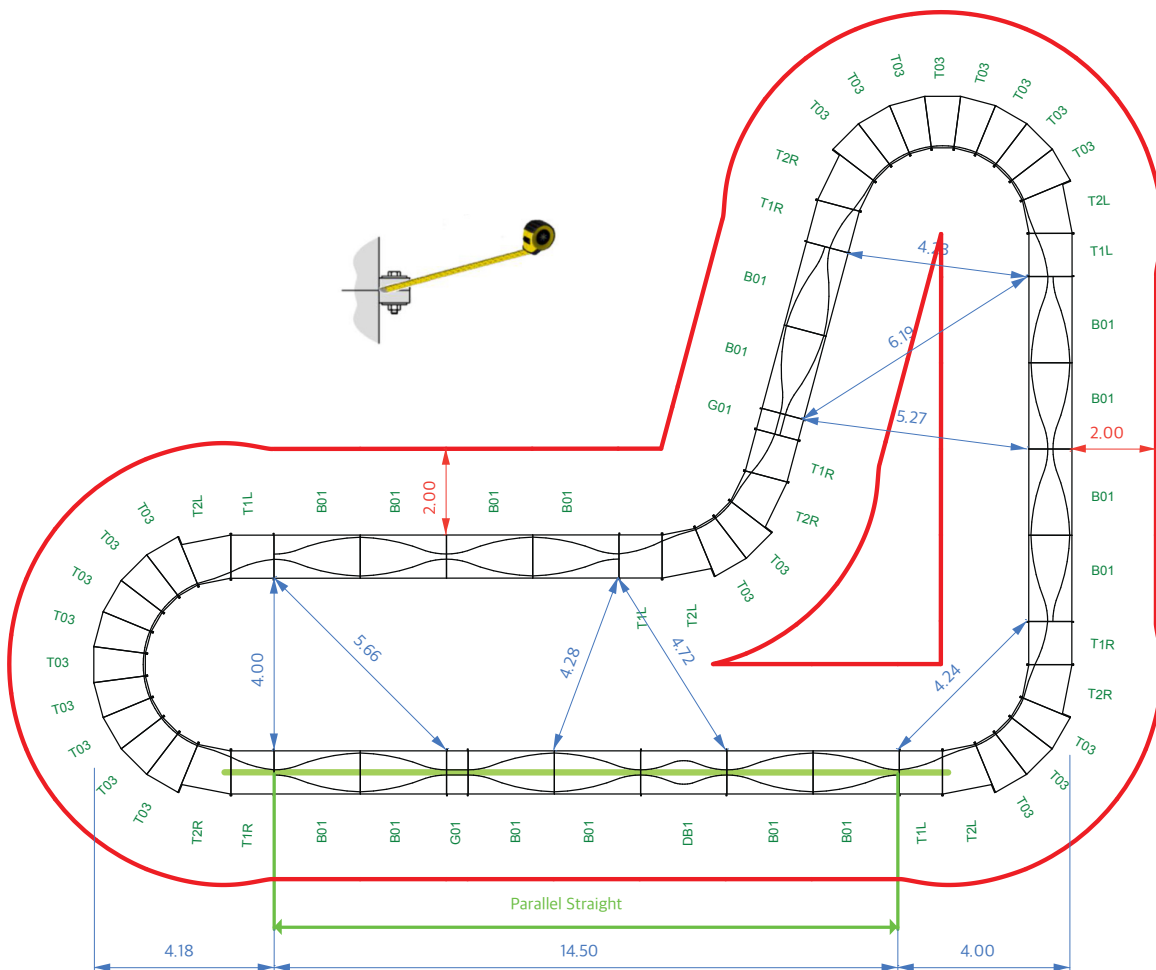




2. Module Layout

Starting from the Main Rectangle, use the measurements found on the Assembly Drawing of your Modular Pumptrack to layout the position of the modules.

NOTE: The most effective starting point for any layout is the longest straight that is parallel to the Main Rectangle. Indicated in green below: 



NOTE: It is much easier to move the layout than the foundation and the modules. Double checking the dimensions and the final positioning with the land owner/ manager is recommended.

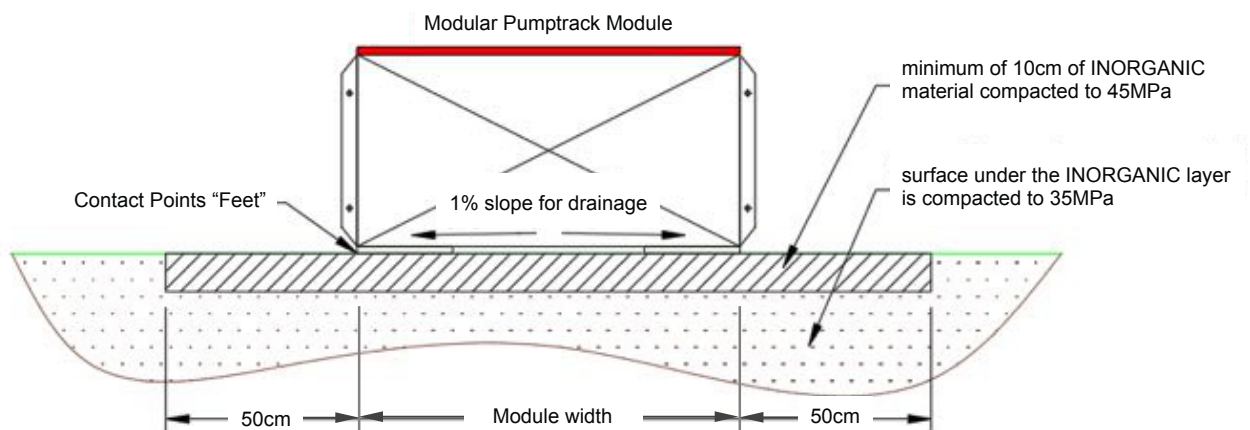
Foundation

For short term installations, **NOT** exceeding 12 weeks in duration, we recommend:

- the installation surface be compact enough to prevent the Contact Points “Feet” of the track from sinking into the base material.

For installations exceeding 12 weeks in duration we recommend:

- a minimum of 10cm of INORGANIC material between the track and the soil that:
 - extends a minimum of 50cm horizontally on either side of the track
 - and is compacted to have a minimum value of 45MPa
- Acceptable materials for this INORGANIC layer include, but are not limited to:
 - asphalt
 - concrete
 - gravel/crushed rock.
- In new construction, the surface under the INORGANIC layer should be compacted to have a minimum value of 35MPa. The following is an example cross-section. It is important to respect the local regulations when designing and constructing a new foundation.



NOTE: Keep drainage in mind when designing and installing a foundation. Seek professional assistance if you are unsure about the where the rain water will go once the soil is saturated.