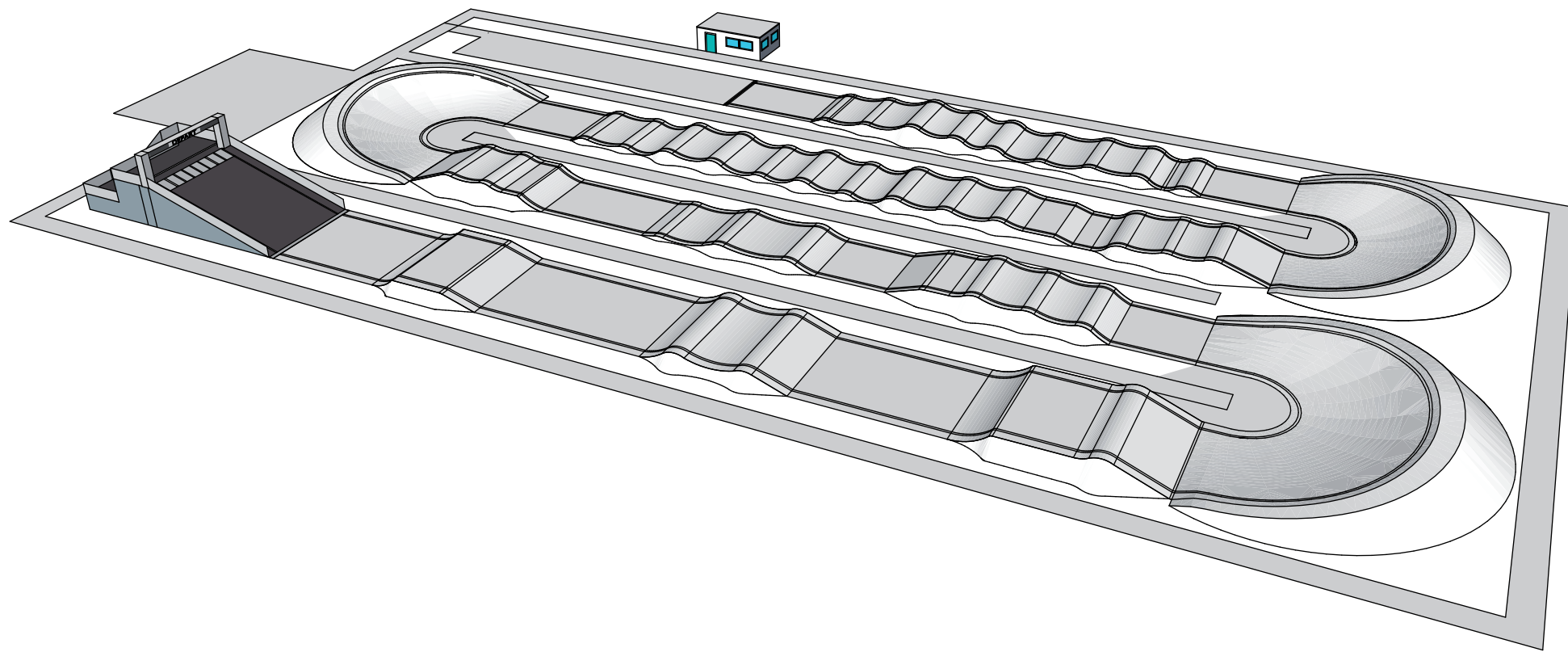
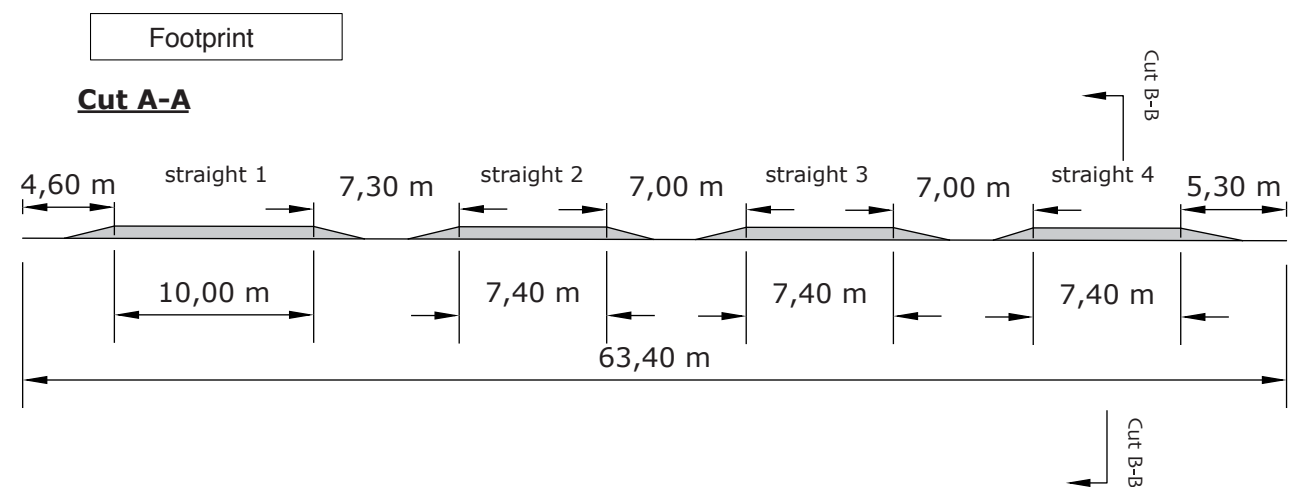
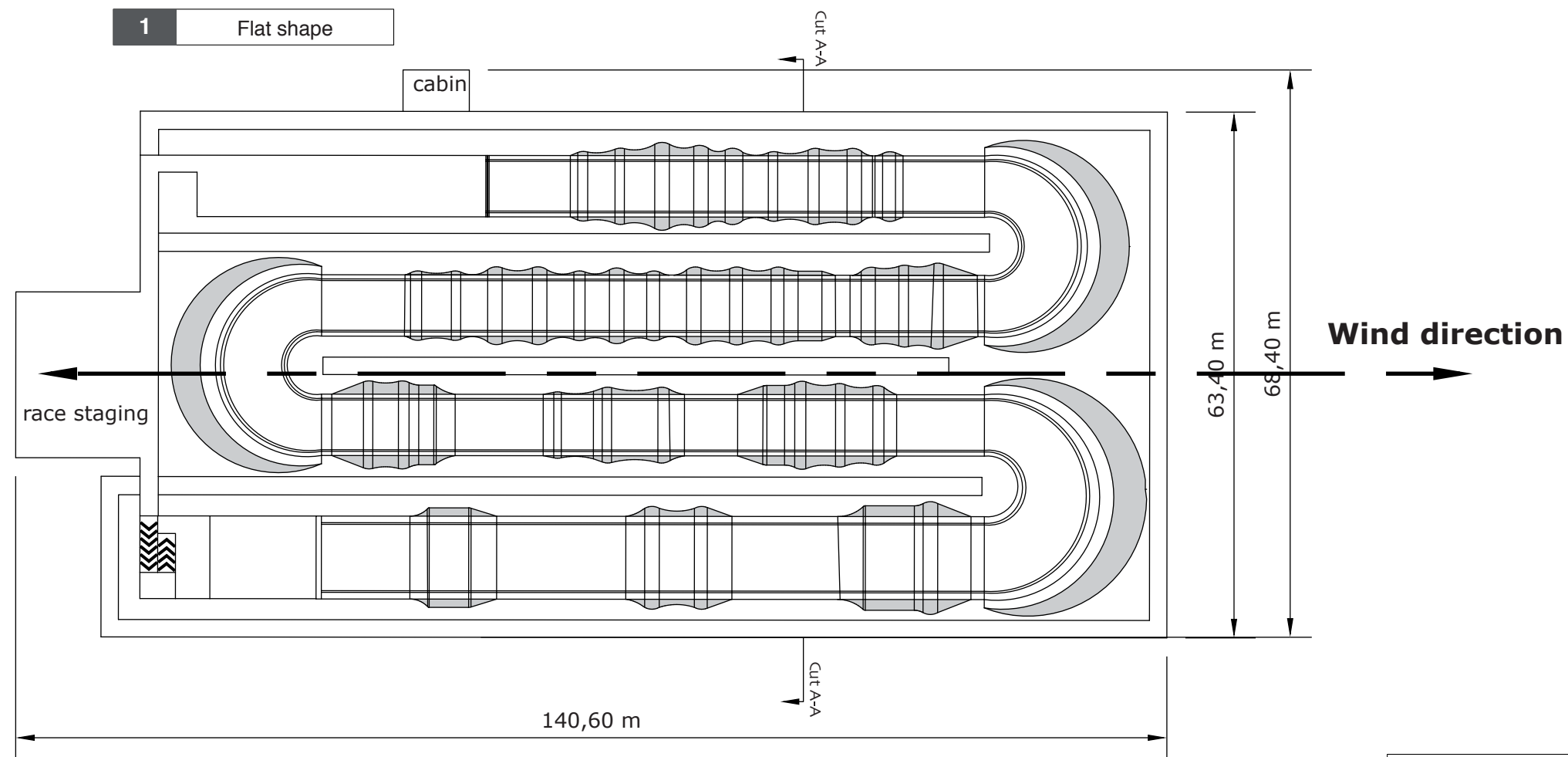


Beginner Level BMX Track Design

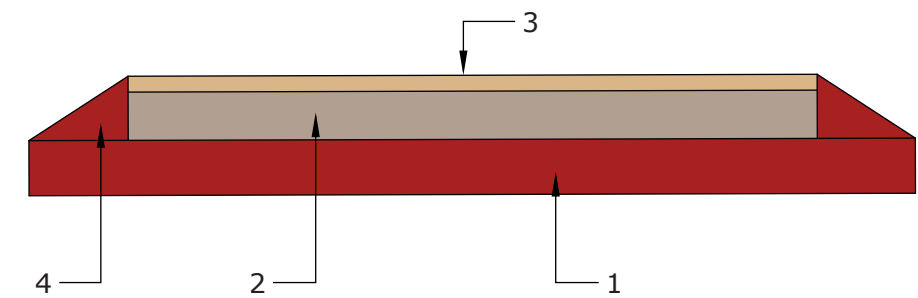


Building Layouts



Sectional view of track

Cut B-B



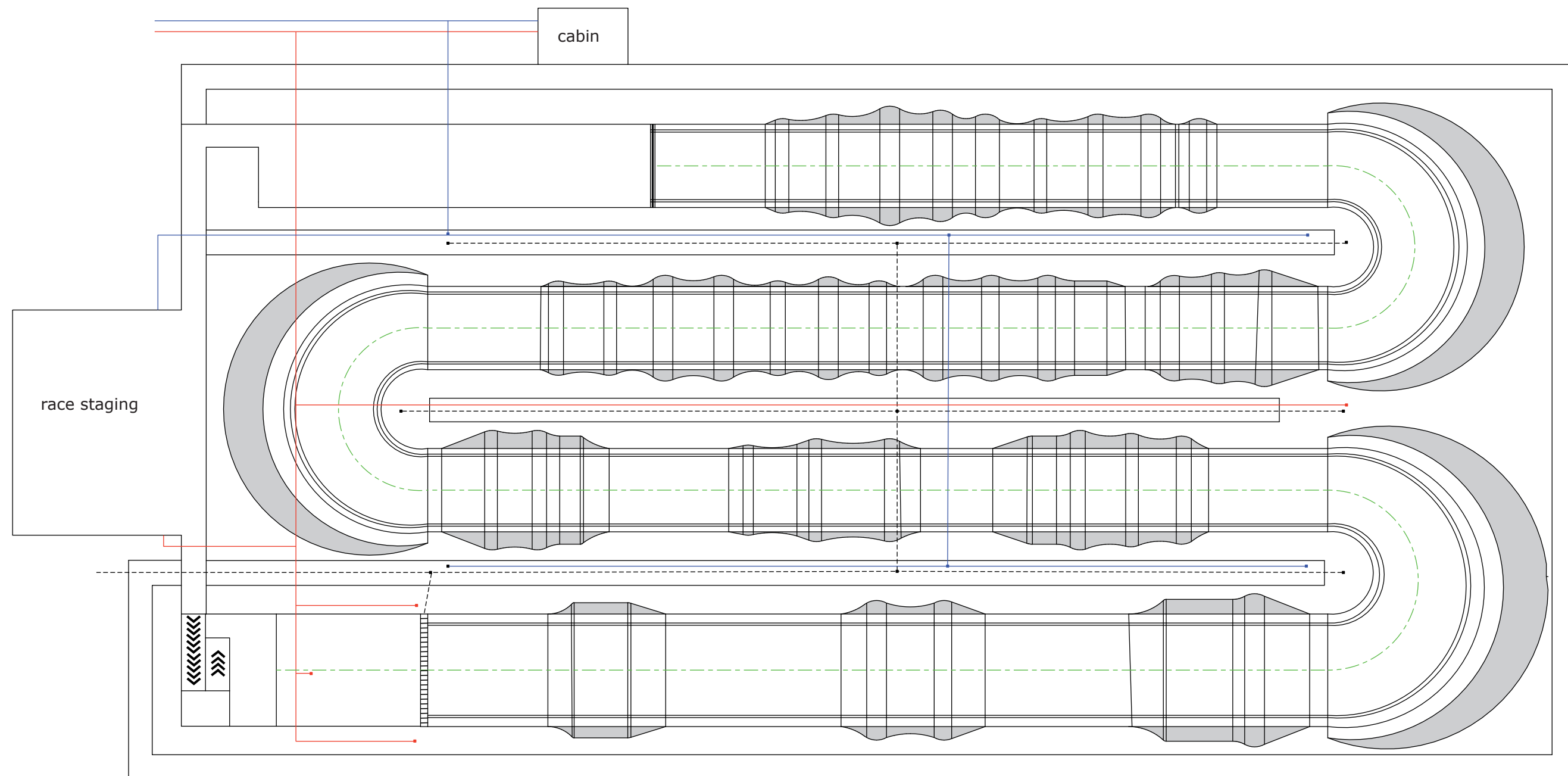
1: Natural ground

2: intermediate layer made of gravel limestone (fraction 0/20 or 0/30 max) on 20cm

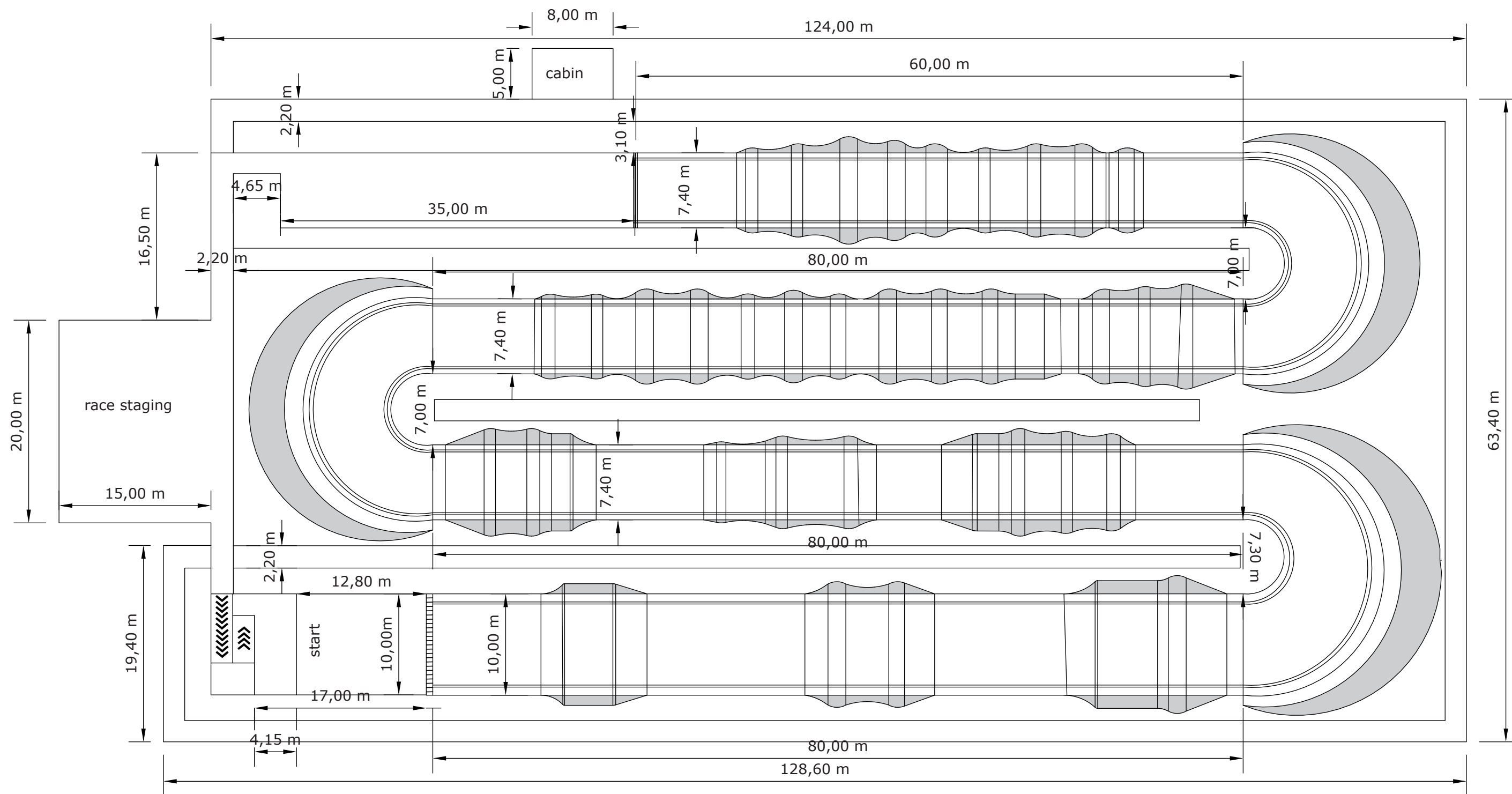
3: Top soil made of gravel limestone (fraction 0/4 max) on 10cm

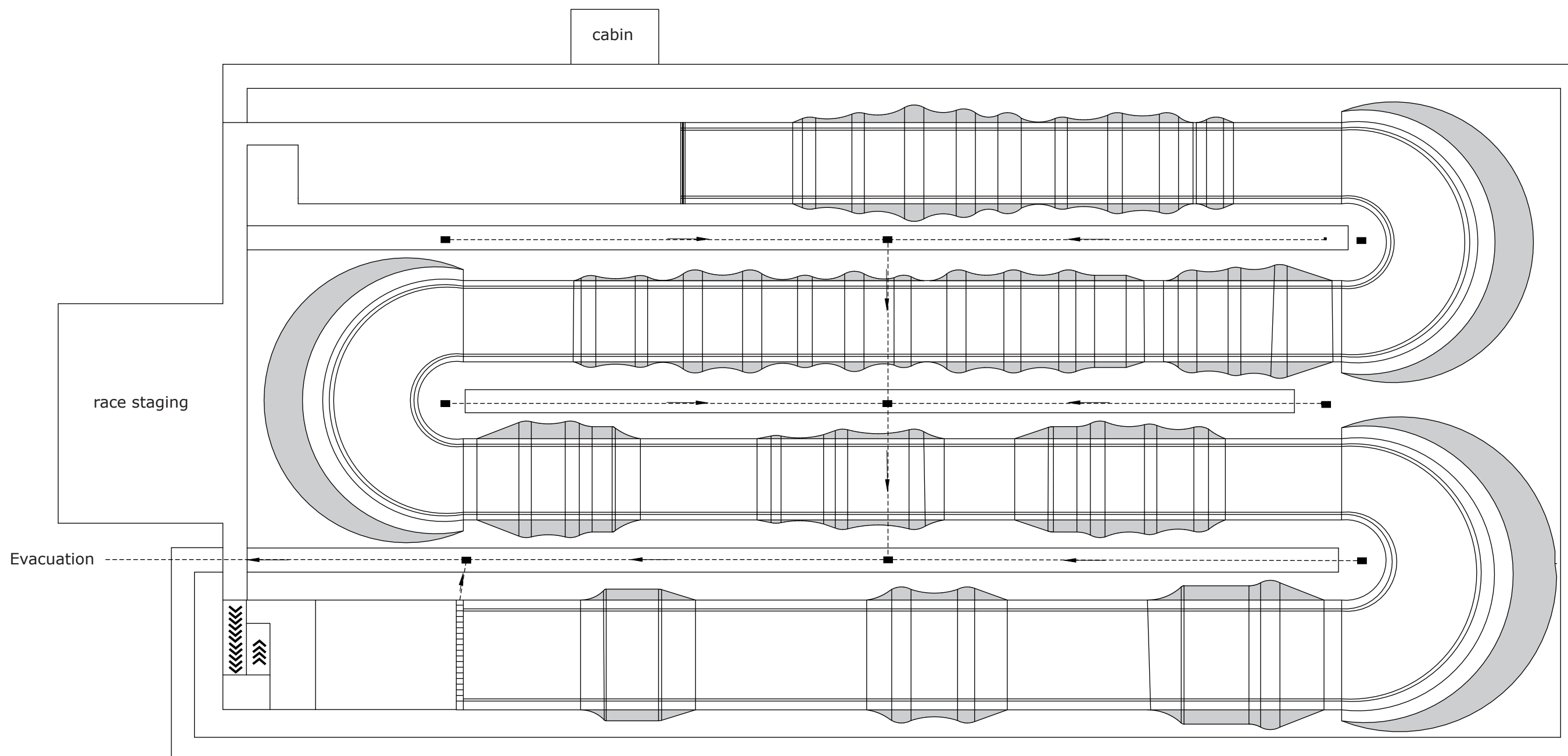
4: sides made of organic dirt

The track has to be 30cm above the natural ground

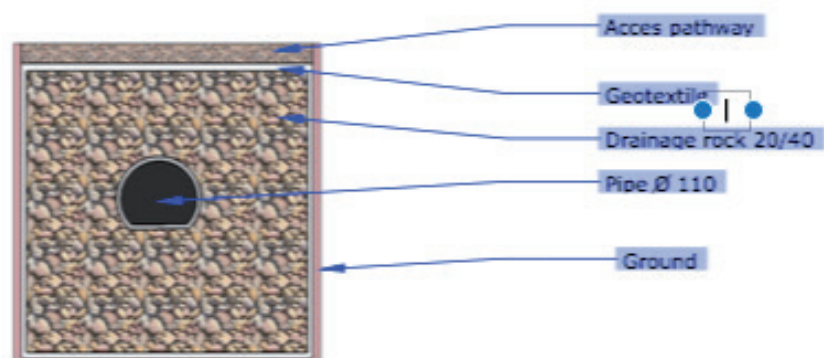


- Track length 370 m
- Electricity
- Water system
- Drainage





Drainage trench



Materials

----- Drainage pipe PVC $\varnothing 110$



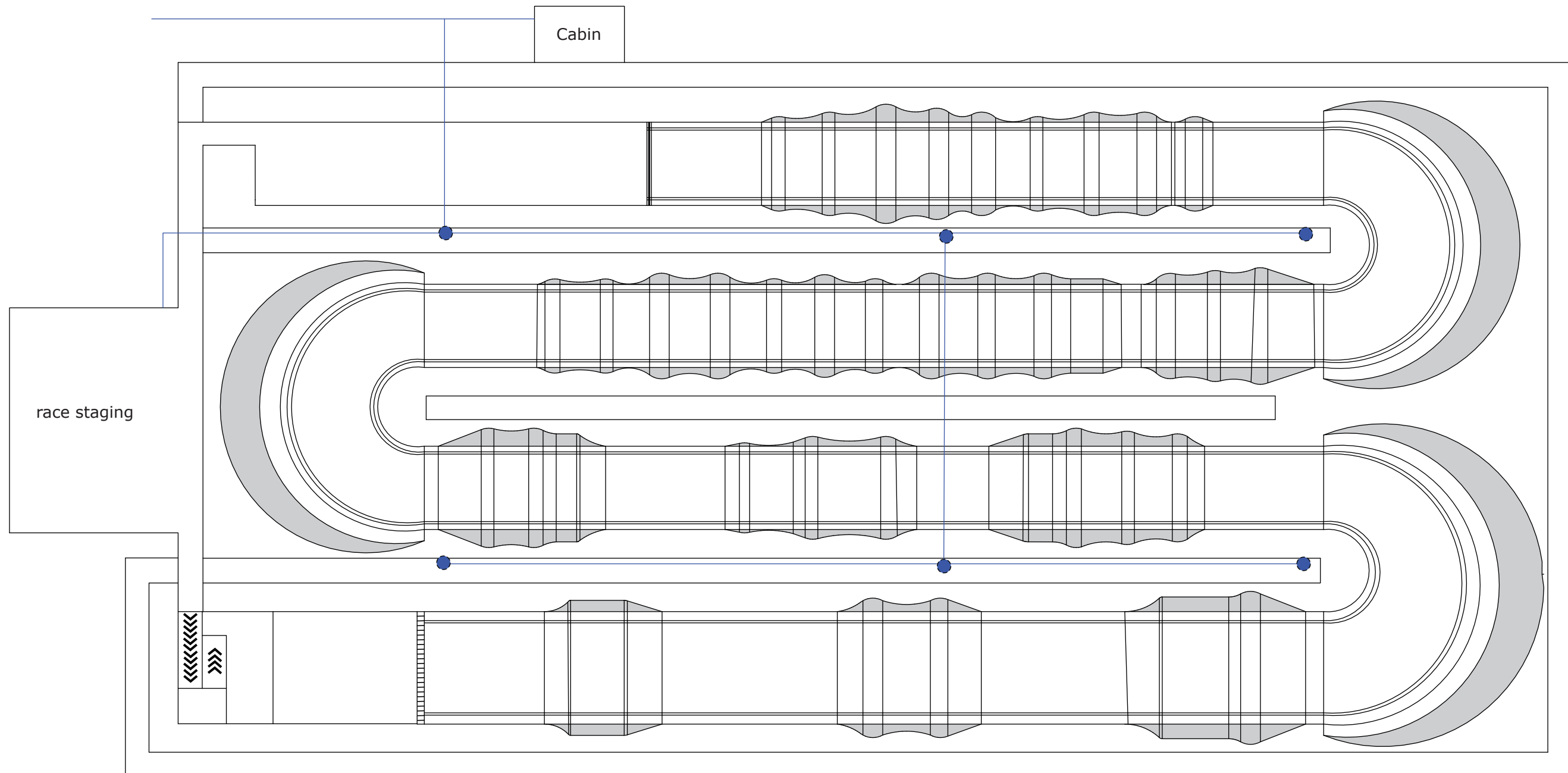
■ Manhole 50/50



□ □ □ Bottom of start



5 Water system

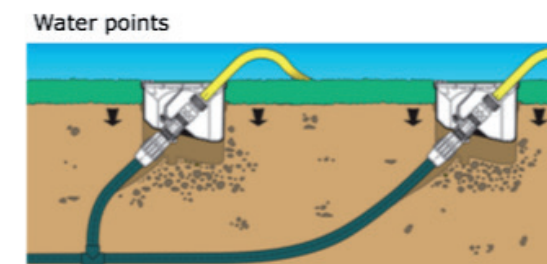


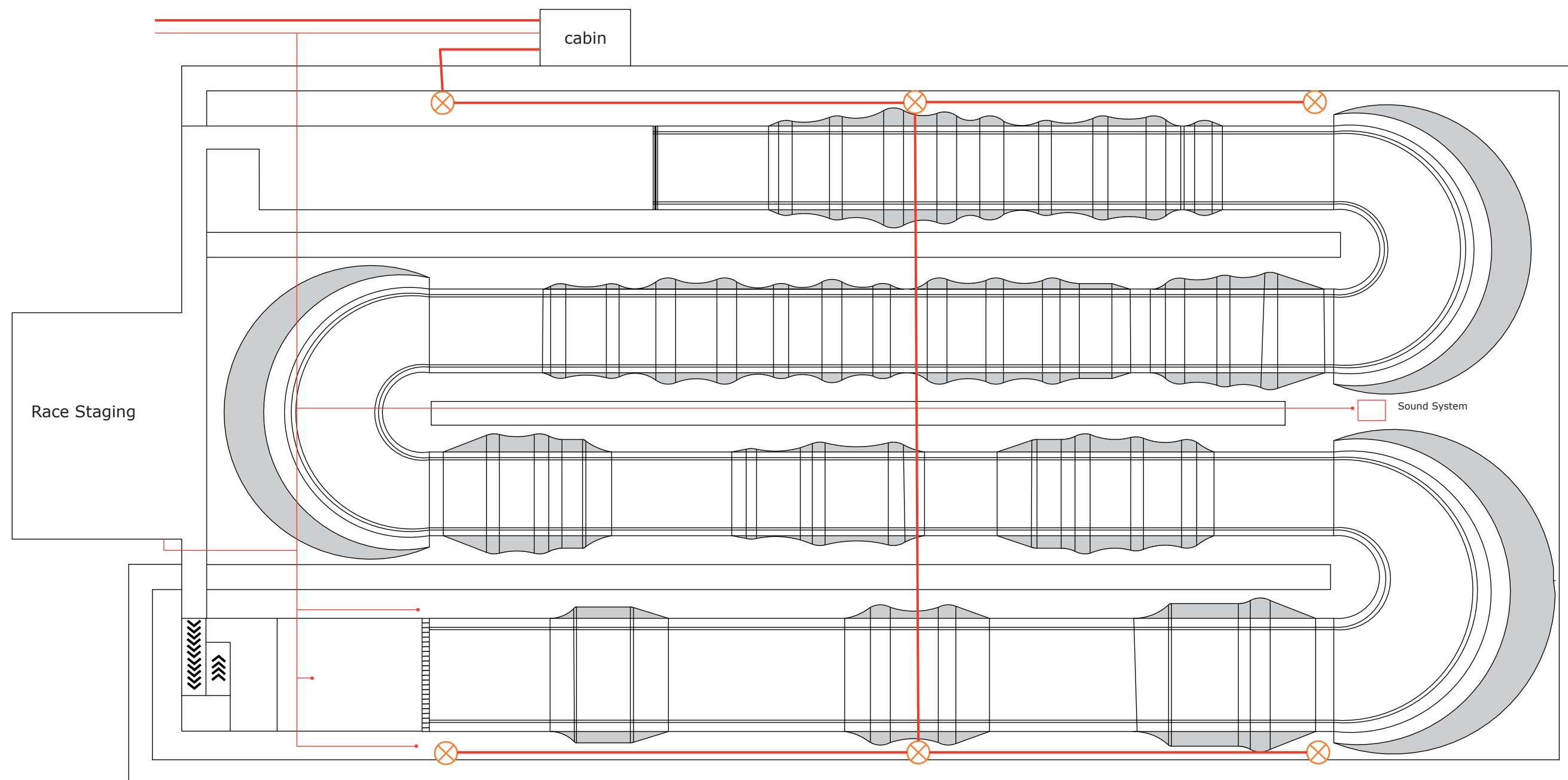
the track needs:

- 3 water points between straight 1 and 2
- 3 water points between straight 3 and 4
- water in cabin and exterior tap on the wall of the cabin
- water with exterior tap in race staging



Hose PEHD Ø 32mm - PN 12.5





The Track needs:

- Electricity in cabin
- Start (compressor, lighting system)
- On the track (sound system)
- Race staging (sound system)

220v

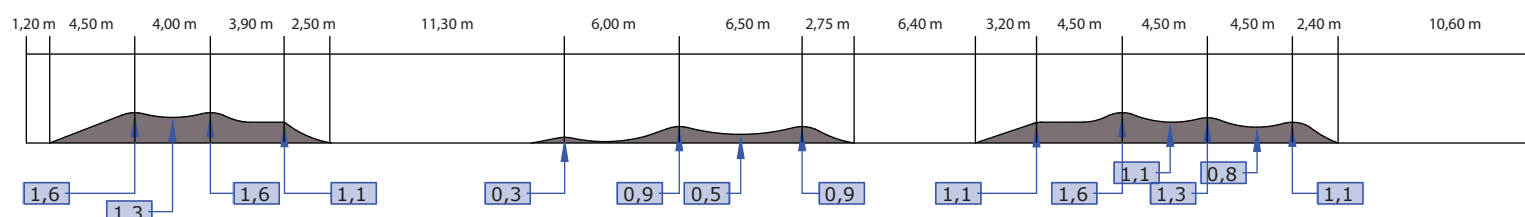
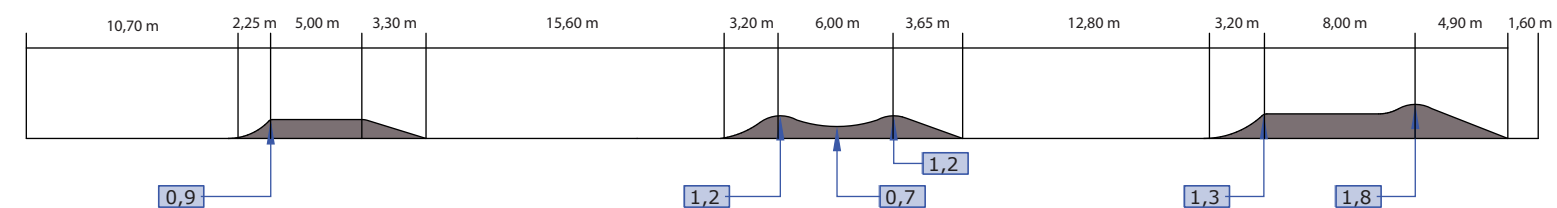
Optional:

- Lighting system 380v

7

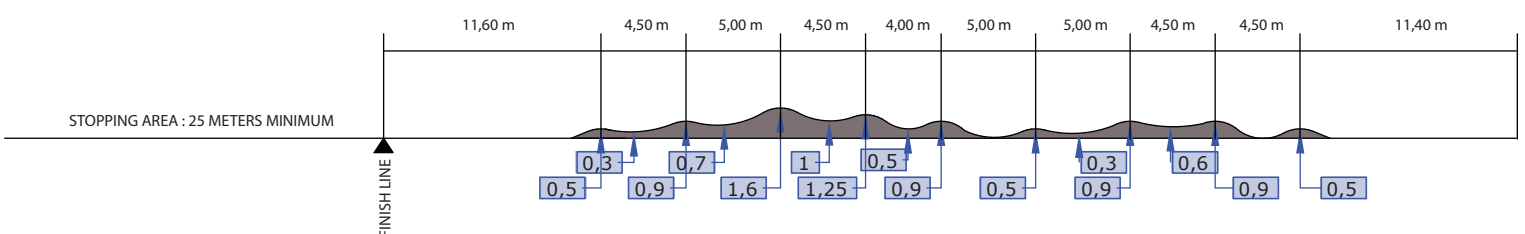
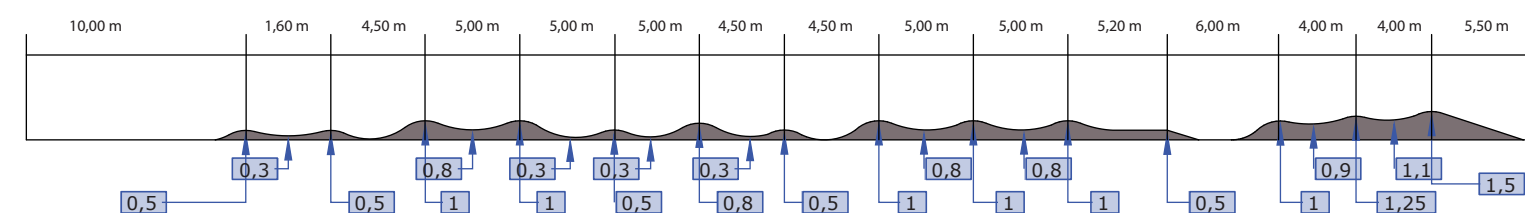
Jumps

STRAIGHT 1

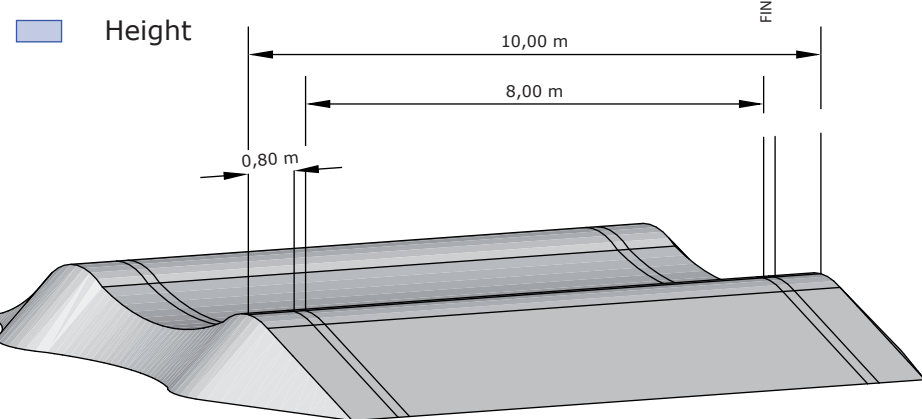


STRAIGHT 2

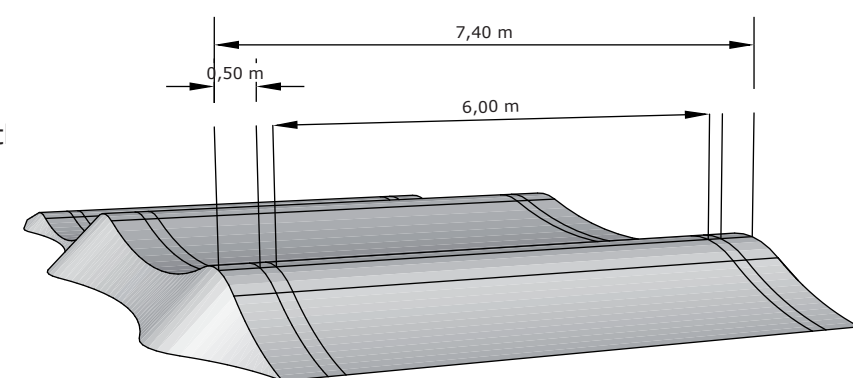
STRAIGHT 3



STRAIGHT 4



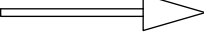
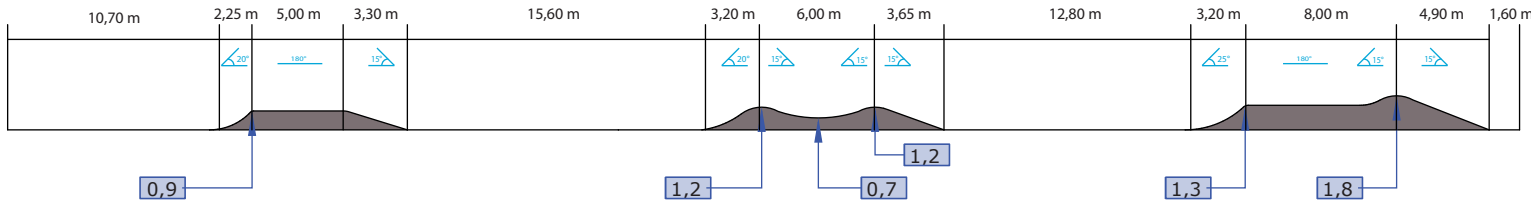
Warning
Total width is not the riding width.
Rules say the riding width has to be inside the white lanes.
We prevent the stability of jump by enlarging t width as explained in the drawing below



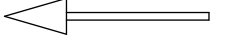
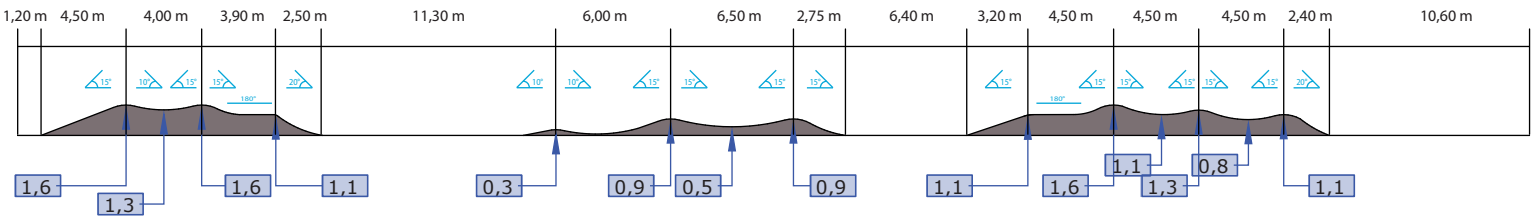
8

Jumps Angles

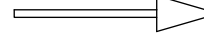
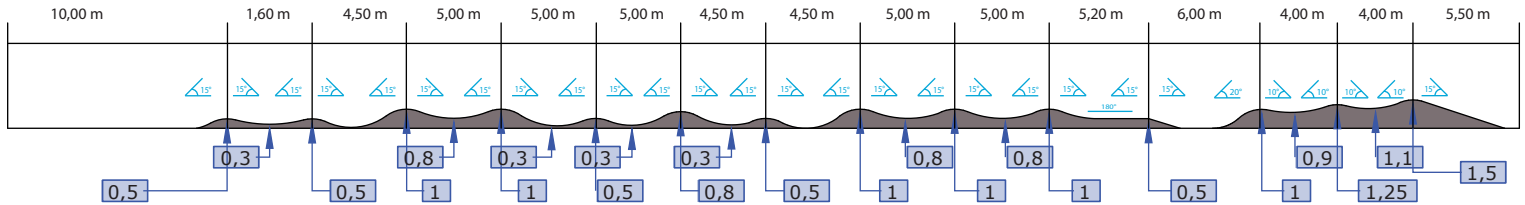
STRAIGHT 1

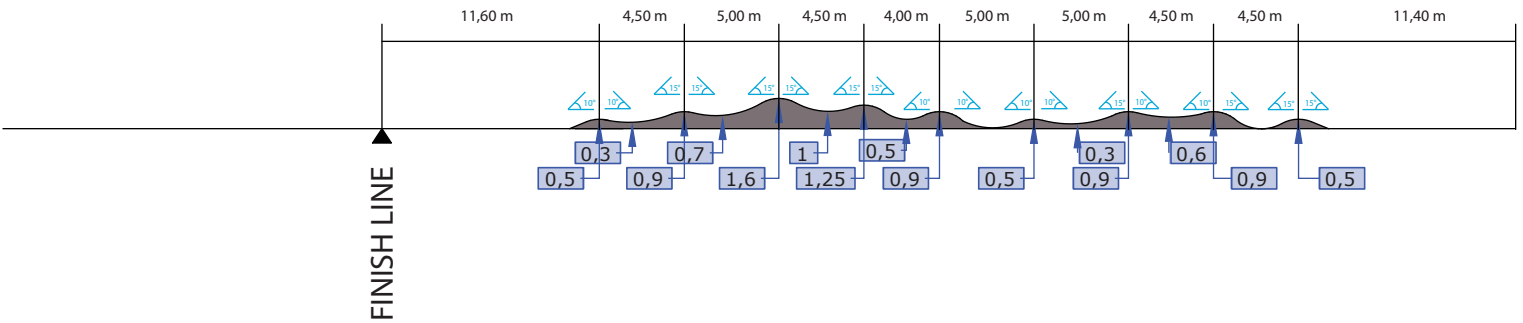
STRAIGHT 2

STRAIGHT 3

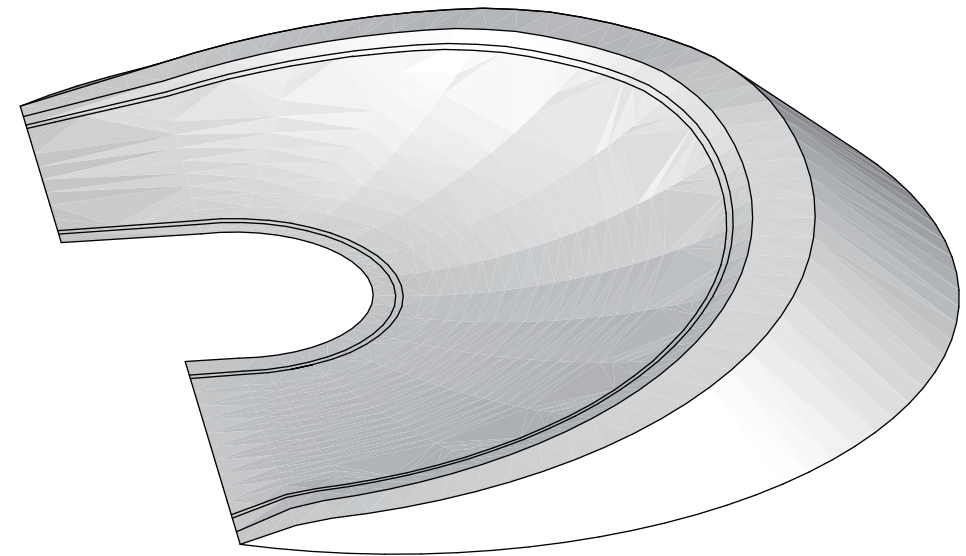
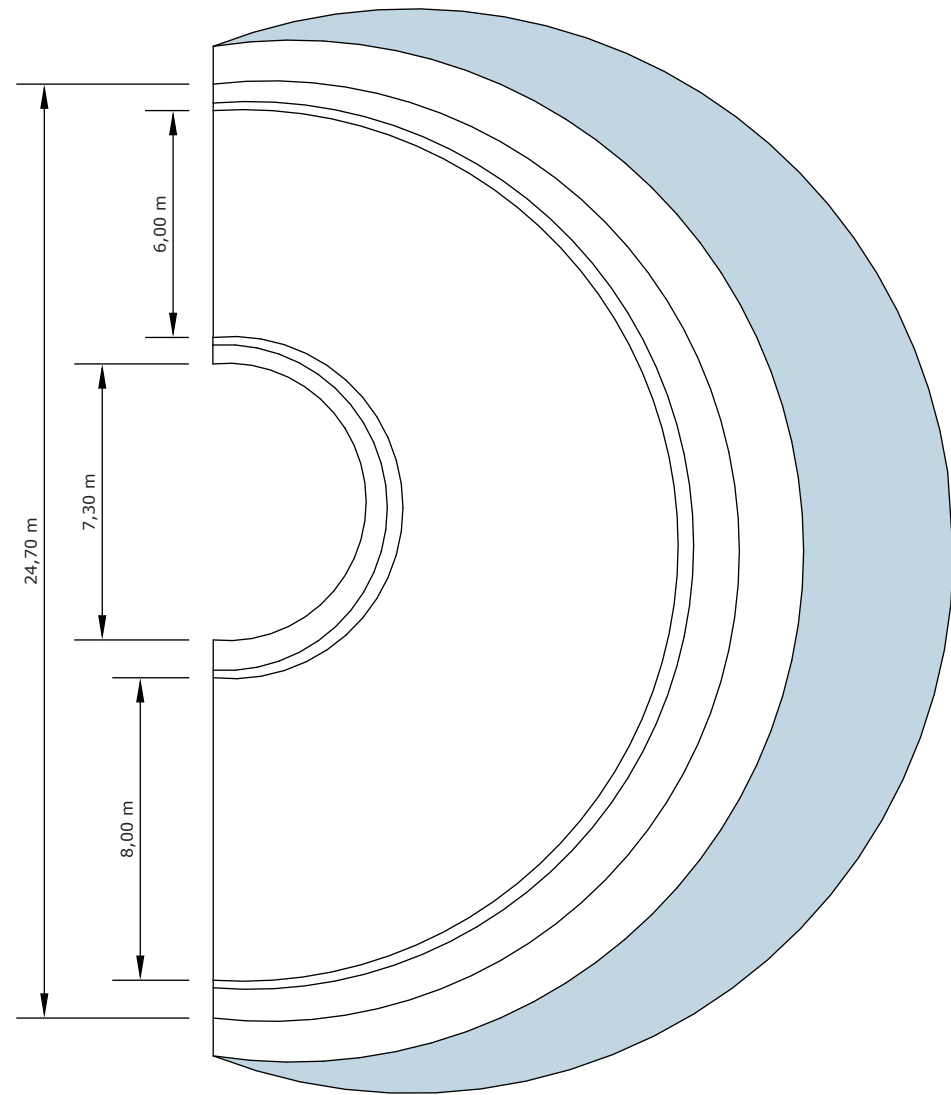



STRAIGHT 4

FINISH LINE

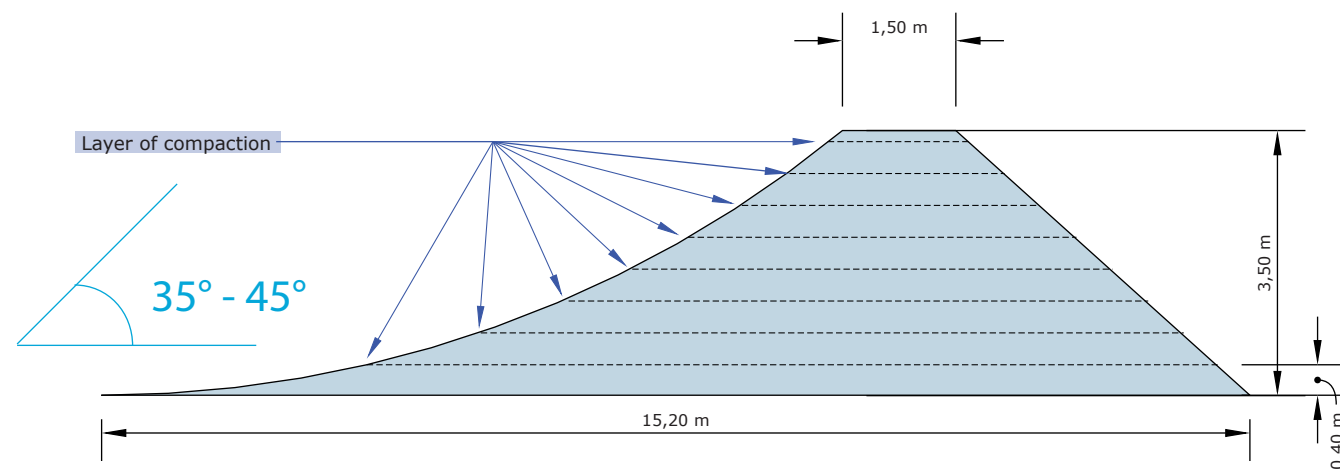




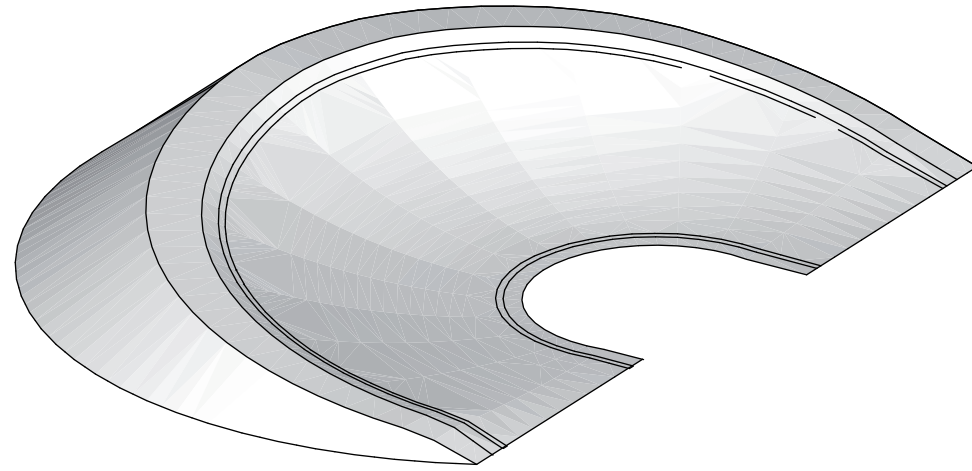
Corner 1

Preferably the corners have to be made with asphalt, but exceptionally to reduce construction costs, a compressed top soil can be used.
A turn is curved.

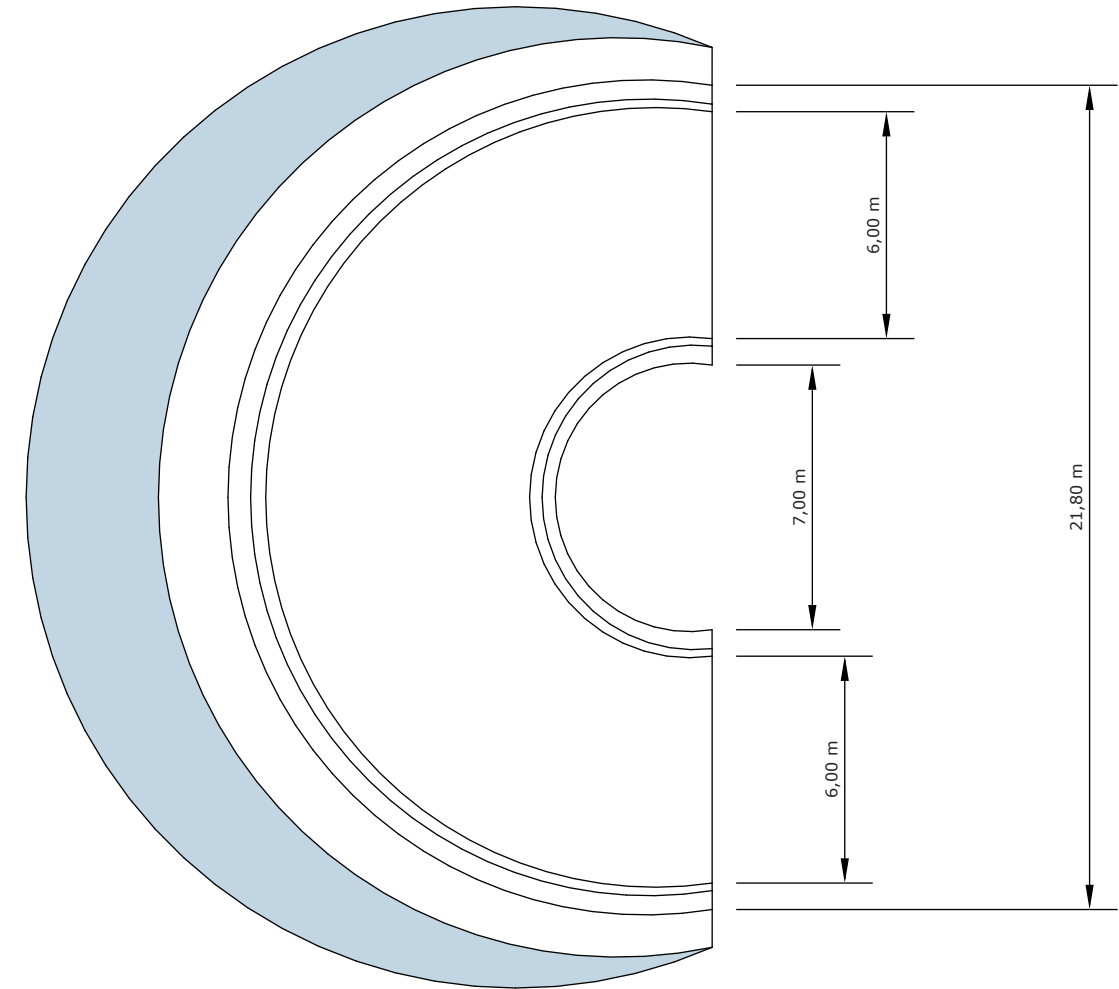
Sectional view scale 1/100



Scale : 1/200
unit : meters

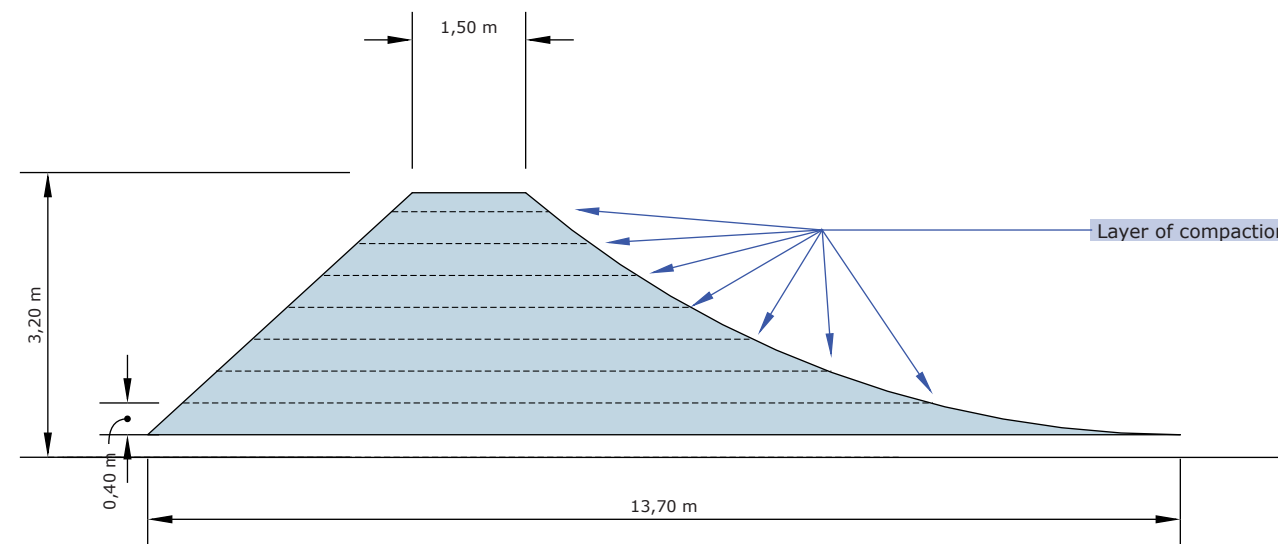


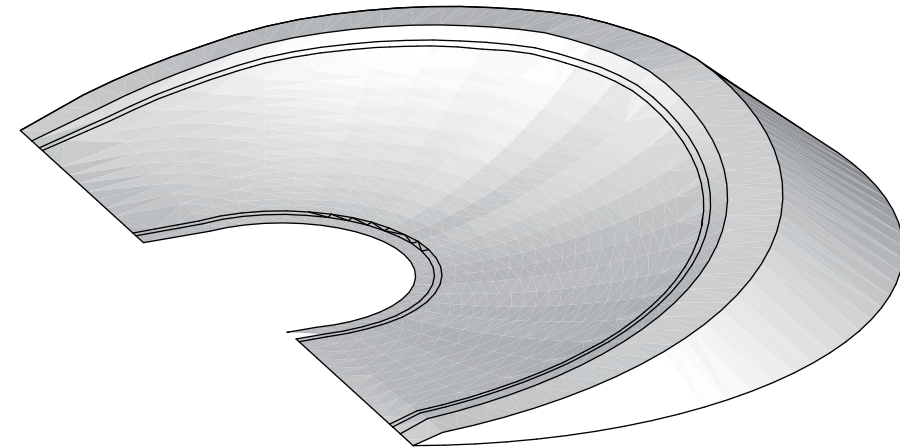
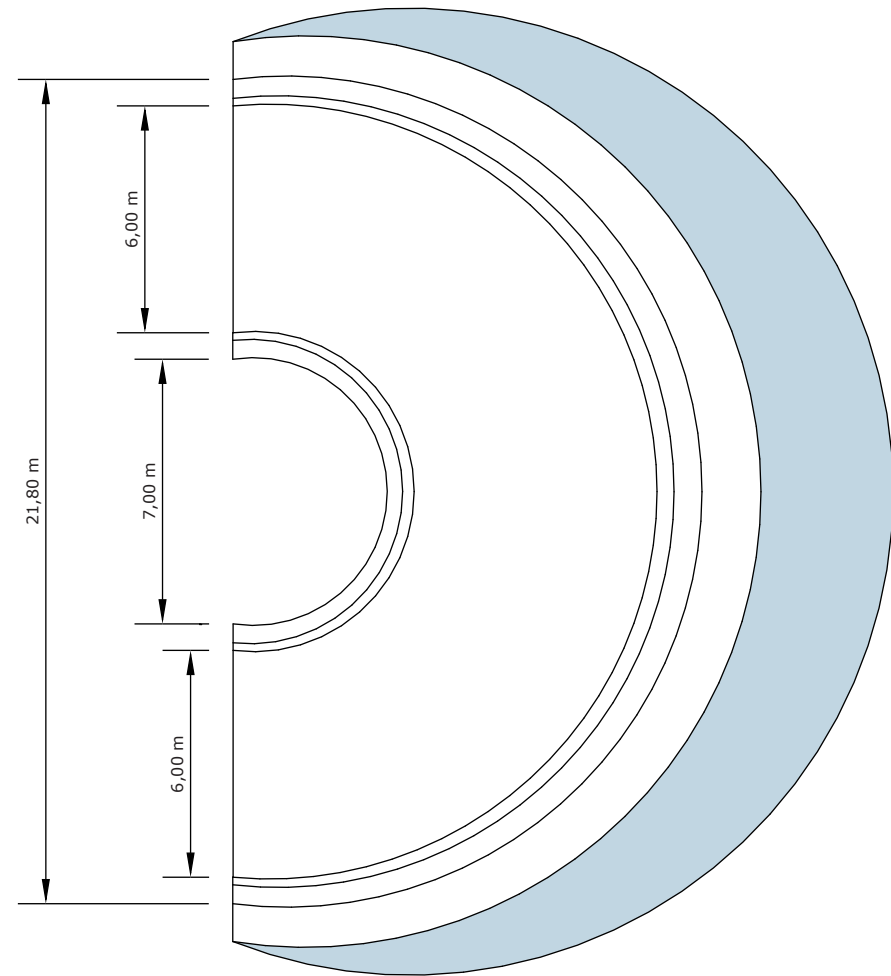
Sectional view scale 1/100



Corner 2

Preferably the corners have to be made with asphalt, but exceptionally to reduce construction costs, a compressed top soil can be used.
A turn is curved.

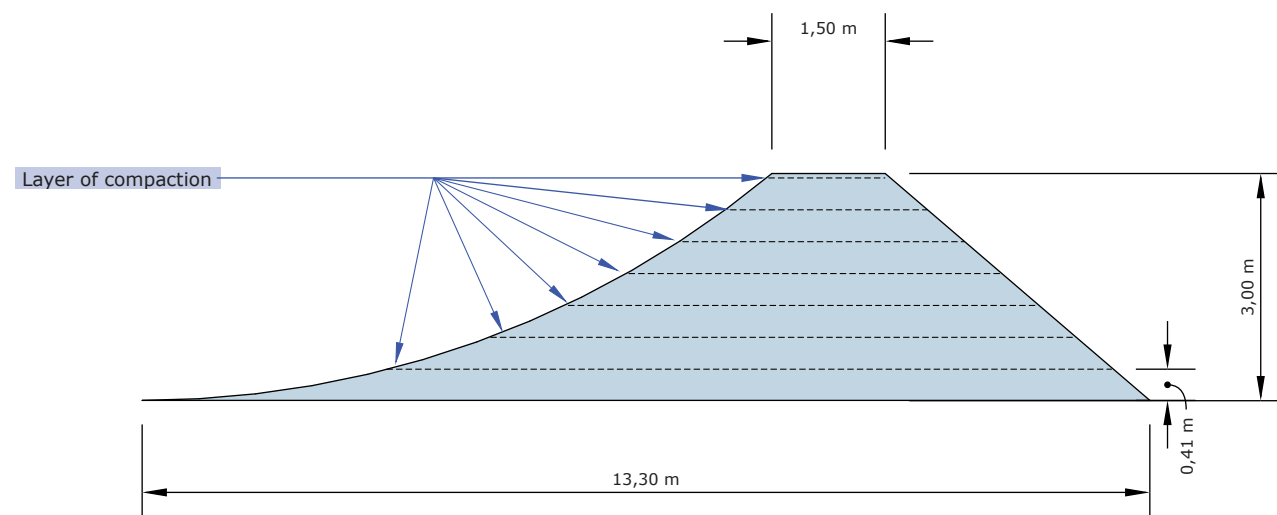




Sectional view scale 1/100

Corner 3

Preferably the corners have to be made with asphalt, but exceptionally to reduce construction costs, a compressed top soil can be used. A turn is curved



	Base	Intermediate layer 20cm thick	Surface 10cm thick	Asphalt 10cm thick	Organic dirt 30cm thick
Start*:	450 m3	45 m3		20 m3	
Corner 1: Corner 2: corner 3:	900 m3 800 m3 700 m3	130 m3 120 m3 105 m3		90 m3 80 m3 75 m3	80 m3 70 m3 60 m3
Jumps:	1200 m3	350 m3	150 m3		180m3
Tracks:		350 m3	150 m3		380 m3
TOTAL:	4050 m3	1100 m3	300 m3	265 m3	770 m3

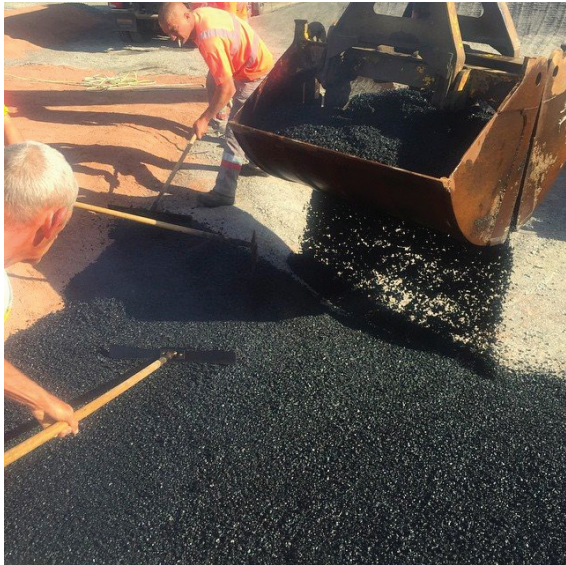
* In this exemple the starting hill is made with concrete walls. To make a starting hill consistent only of dirt you need 300m3 dirt more.

Acces pathway and race staging are 1710m2 and can be made with an intermediate layer and small rocks

Asphalt choice is 0/10 mm fraction and 10 cm thick

Intermediate layer: Gravel limestone 0/20 or 0/30 mm fraction max and 20cm thick

Top layer: Gravel limestone 0/4 mm fraction thick max and 10cm thick



Asphalt 0/10



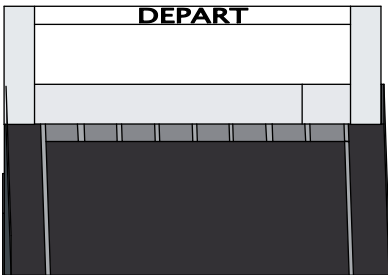
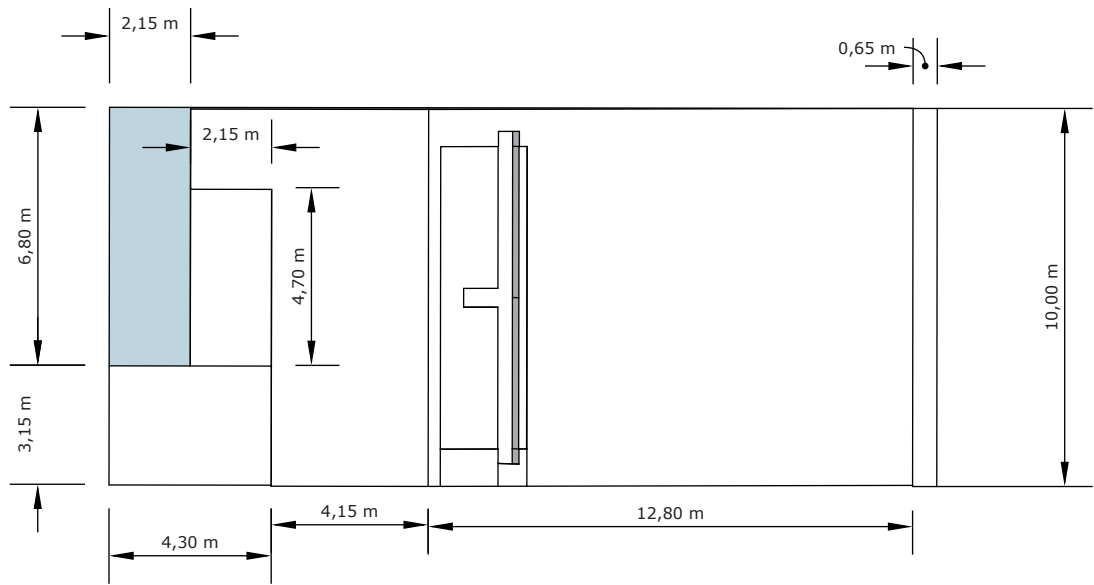
Intermediate Layer 0/20



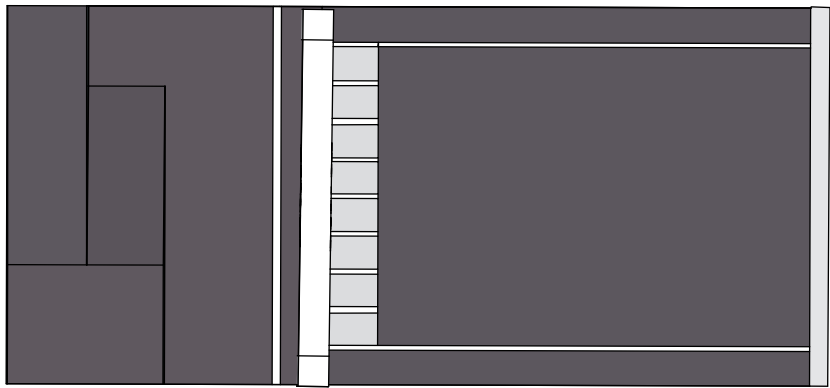
Top Layer 0/4

11

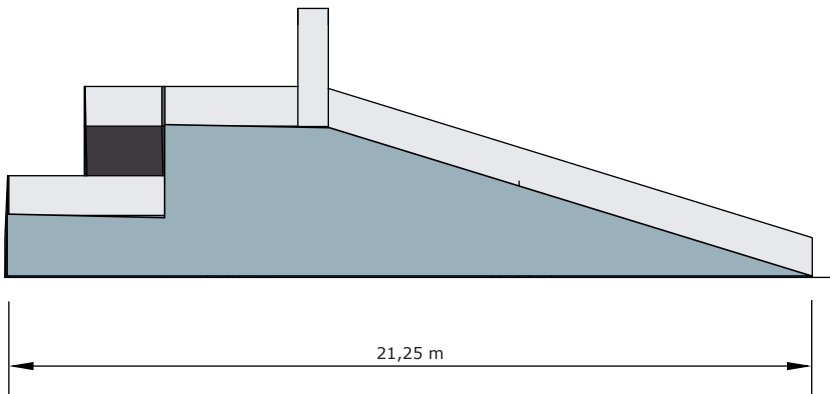
Starting hill



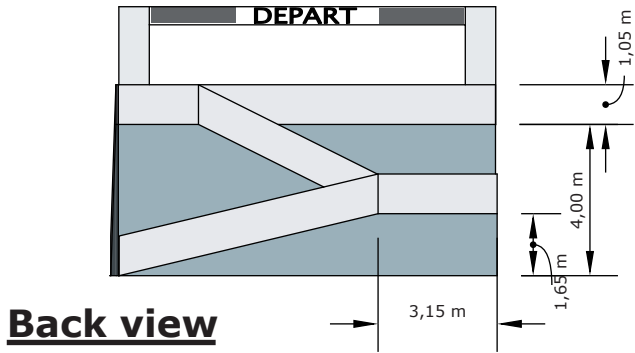
Face view



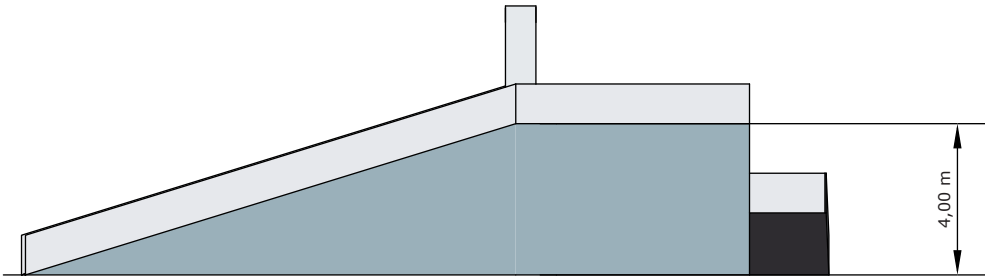
Top view



Left view



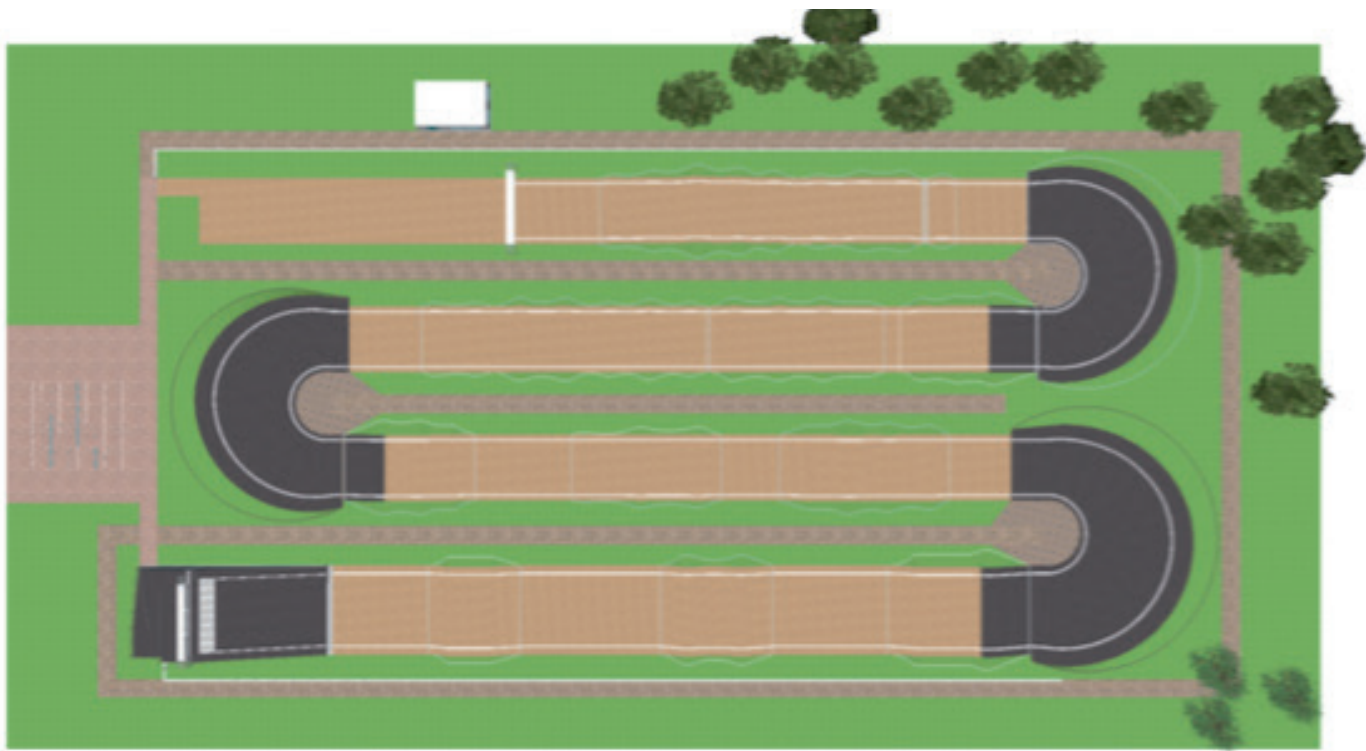
Back view



Right view

Option : Start hill can be in soil only.





Left view



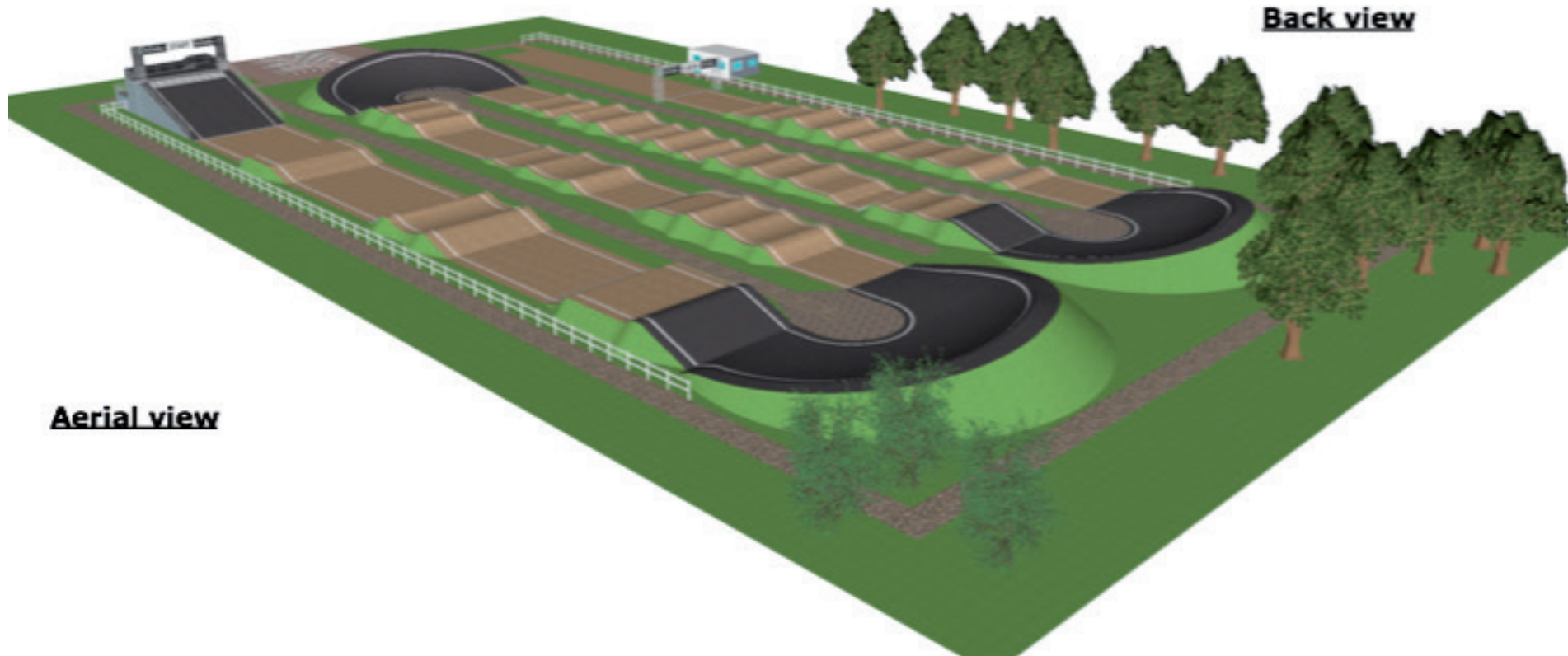
Right view



Front view



Back view



Aerial view