Beginner Level BMX Track Design

Building Layouts
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
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)

Optional:
- Lighting system 380v

220v
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 the total width as explained in the drawing below.
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.
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.
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.
### Volume & Materials

**Start**: 450 m³  
**Intermediate layer 20cm thick**: 45 m³  
**Surface 10cm thick**: 20 m³  
**Asphalt 10cm thick**:  
**Organic dirt 30cm thick**:

<table>
<thead>
<tr>
<th>Corner 1:</th>
<th>900 m³</th>
<th>130 m³</th>
<th>90 m³</th>
<th>80 m³</th>
<th>80 m³</th>
<th>70 m³</th>
<th>60 m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corner 2:</td>
<td>800 m³</td>
<td>120 m³</td>
<td>80 m³</td>
<td>75 m³</td>
<td>75 m³</td>
<td>65 m³</td>
<td>55 m³</td>
</tr>
<tr>
<td>Corner 3:</td>
<td>700 m³</td>
<td>105 m³</td>
<td>75 m³</td>
<td>65 m³</td>
<td>65 m³</td>
<td>55 m³</td>
<td>45 m³</td>
</tr>
<tr>
<td>Jumps:</td>
<td>1200 m³</td>
<td>350 m³</td>
<td>150 m³</td>
<td>150 m³</td>
<td>150 m³</td>
<td>180 m³</td>
<td></td>
</tr>
<tr>
<td>Tracks:</td>
<td></td>
<td>350 m³</td>
<td>150 m³</td>
<td>150 m³</td>
<td>150 m³</td>
<td>380 m³</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL:</strong></td>
<td>4050 m³</td>
<td>1100 m³</td>
<td>300 m³</td>
<td>265 m³</td>
<td>770 m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Access pathway and race staging are 1710 m² 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 20 cm thick.

Top layer: Gravel limestone 0/4 mm fraction thick max and 10 cm thick.
Option: Start hill can be in soil only.