GrassConcrete

CAD
Parking Details

The following information is issued solely as an aid to design and does not assume liability in the final design. Information detailed is subject to change without notice.
Typical longitudinal bay layout for open two way flow.
Note:
For commercial vehicle parking same principles are applied with dimensions increased according to vehicle type.
Tree pit (rectangular)

- 1.2m x 1.2m
- Optional infill with Grassroad® polypropylene pavers

Tree pit (circular)

- 1.2m Radius

Arrow Marker

- Pockets infilled with 20 to 5mm gravel
- Pockets omitted and cast solid

Knee rail

- Post height as required
- Posts set in concrete foundation
- Posts clad with 18mm fibre board to 5mm above finished level of Grasscrete

Mortice for bollard or lighting

- Twin wall PVCu pipe section set vertically to 5mm above finished level of Grasscrete to enable subsequent paving to level.
Man hole cover and frame aligned to grasscrete layout

Man hole cover and frame not aligned to grasscrete layout

Outer brickwork omitted for GC2 installation

Man Hole Detailing
Scale 1 : 20

Where man holes/inspection chambers are installed not in alignment with the Grasscrete grid formation, a stepped concrete edge will be visible as shown.
**Standard Sub-base**

- Paving depth or 100mm, whichever is greater
- 20mm sand bluf**
- min 150mm thick sub-base* UK Specification Clause 803 Type 1

* Assuming an allowable ground bearing of 45kN/m². For typical sub grades, the following guideline can be considered:

<table>
<thead>
<tr>
<th>CBR 4%+</th>
<th>150mm Thick</th>
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<tbody>
<tr>
<td>CBR 2 - 4%</td>
<td>250 - 200mm Thick</td>
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<tr>
<td>CBR &lt;2%</td>
<td>300mm + Thick</td>
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** The sand bluf layer is intended to create a uniform seating for the Grasscrete formers and to prevent the loss of soil into the sub-base. It is not intended to be a regulating layer.

**Standard Sub-base with optional drainage blanket**

- Paving depth or 100mm, whichever is greater
- 20mm sand bluf**
- min 150mm thick sub-base* UK Specification Clause 803 Type 1
- 40mm single sized granular material for drainage blanket. Depth to be determined by ground conditions and attenuation requirements.

Formation to be cut level for infiltration into sub-strata or cut to falls for rainwater harvesting.

- Geotextile membrane
- Needle punched geotextile membrane