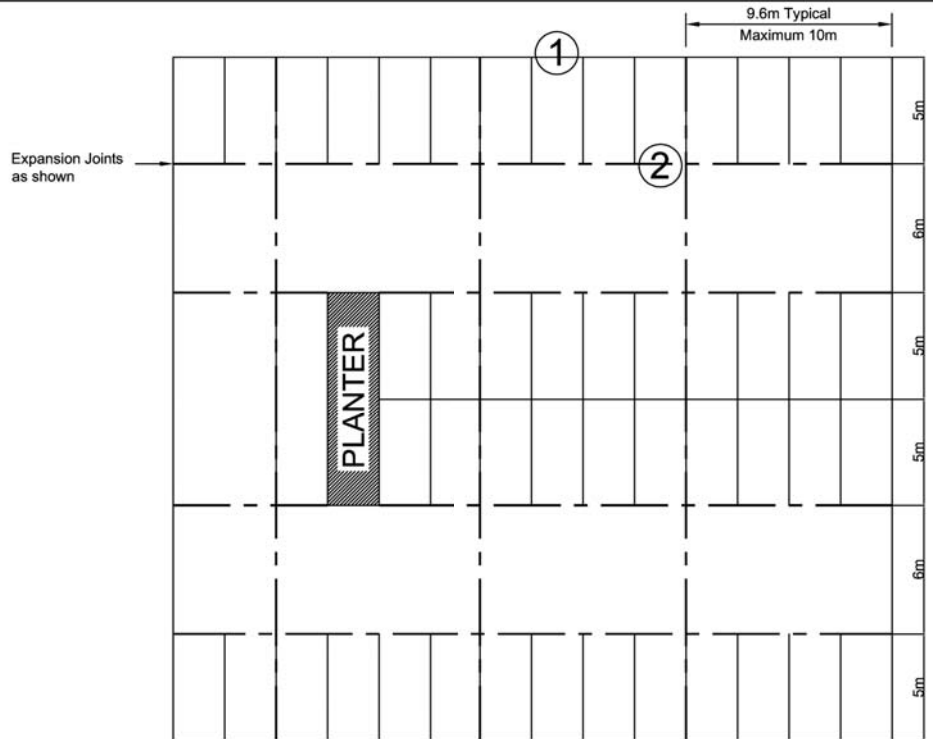




GrassConcrete

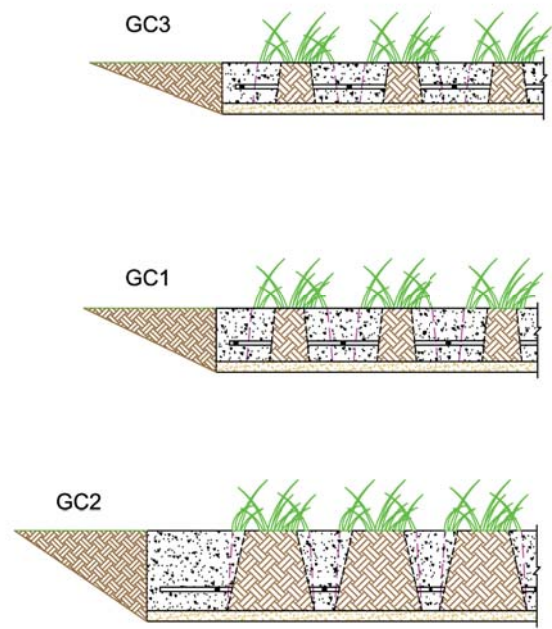
CAD

**Parking Details**

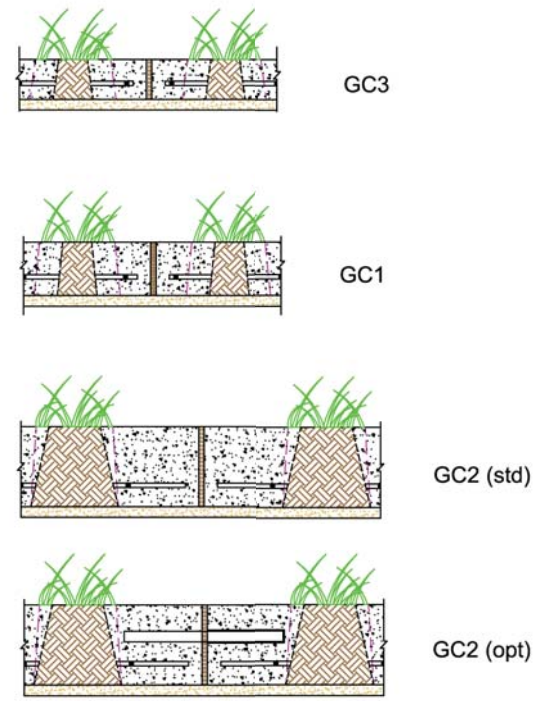


Typical longitudinal bay layout for open two way flow.

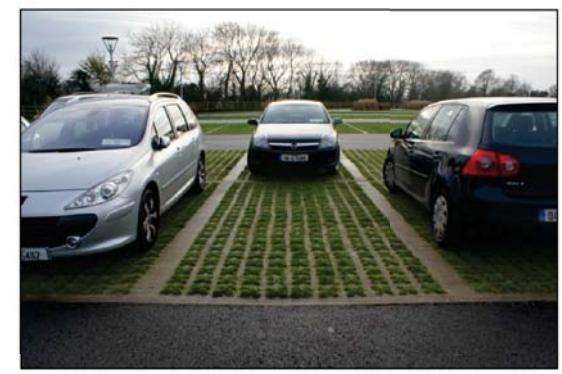
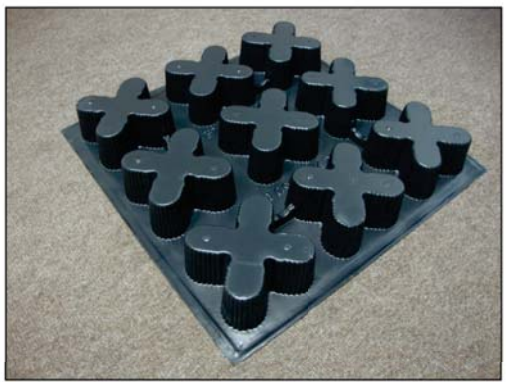
**Detail 1**



**Detail 2**



Details 1 & 2  
Scale 1 : 10



**grass concrete Ltd.**  
Duncan House  
142 Thomes Lane  
Thornes  
Wakefield  
WF2 7RE  
England  
Tel: +44 (0) 1924 379443  
Fax: +44 (0) 1924 290289  
info@grasscrete.com  
www.grasscrete.com

Client  
N/A

Client Address

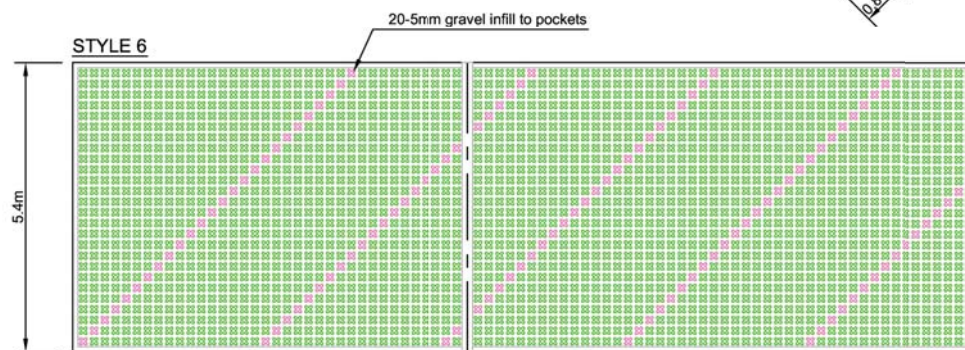
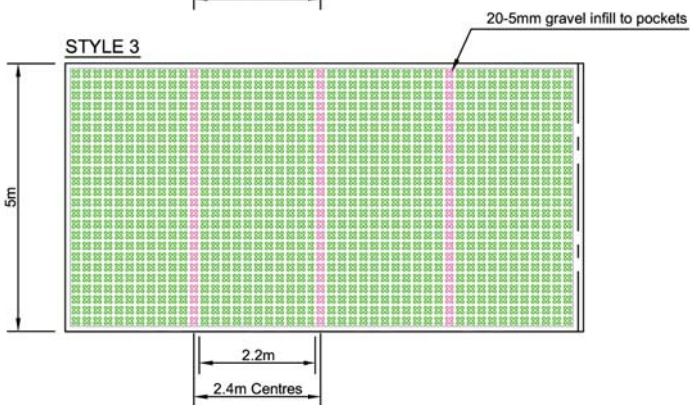
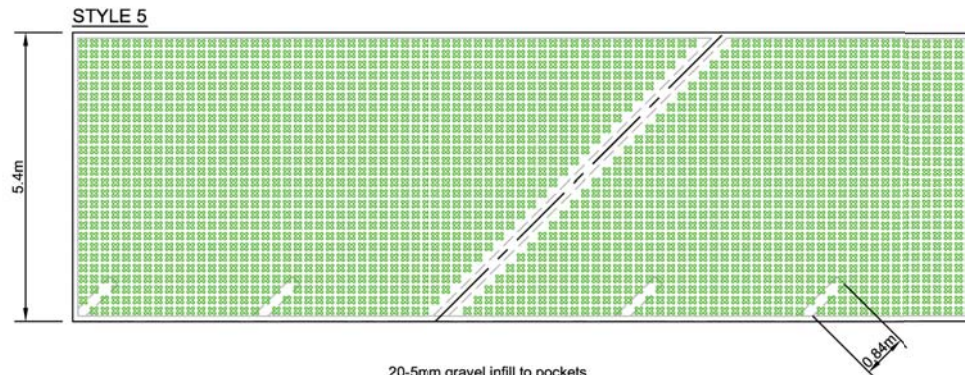
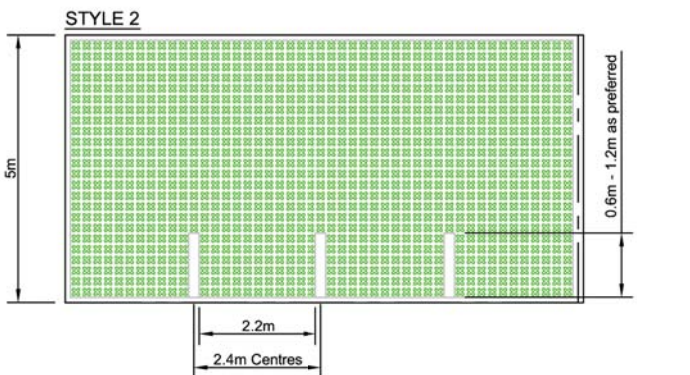
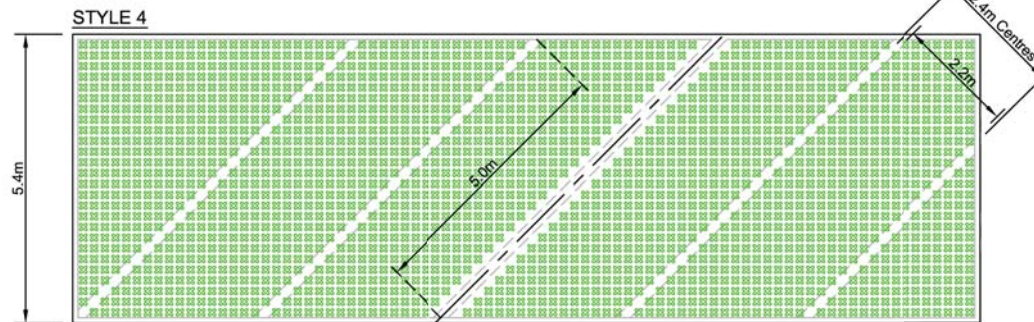
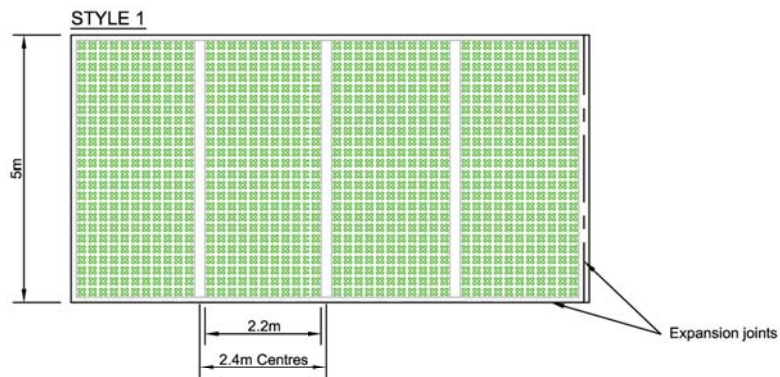
Site Details  
N/A

Site Address

| Revision History |  |
|------------------|--|
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |

|                               |   |                    |
|-------------------------------|---|--------------------|
| Drawn By<br>D Moorhouse       |   | Date<br>01.12.2010 |
| Checked By<br>REH             |   | Scale<br>1:50 @ A3 |
| Project Reference             | Project Title<br>Typical Grasscrete Parking Details - Carpark Layouts |                    |
| Drawing Number<br>GC-CAD-0005 | Revision<br>-   |                    |





### Parking Bay Delineation Types

Scale 1 : 50

Note:  
For commercial vehicle parking same principles are applied with dimensions increased according to vehicle type.



**grass concrete Ltd.**  
Duncan House  
142 Thomes Lane  
Thomes  
Wakefield  
WF2 7RE  
England  
Tel: +44 (0) 1924 379443  
Fax: +44 (0) 1924 290289  
info@grasscrete.com  
www.grasscrete.com

Client  
N/A  
Client Address

Site Details  
N/A  
Site Address

Revision History

| Revision | Description |
|----------|-------------|
|          |             |
|          |             |
|          |             |
|          |             |
|          |             |

Drawn By  
D Moorhouse

Date  
21.01.2011

Checked By

REH

Scale  
1:50 @ A3

Project Reference

Project Title

Typical Grasscrete Parking Details - Carpark Delineation

Drawing Number

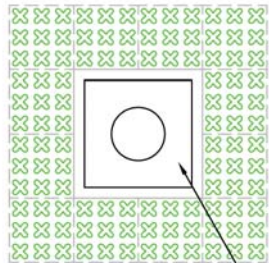
GC-CAD-0006

Revision

-

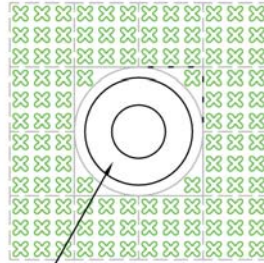


Tree pit (rectangular)



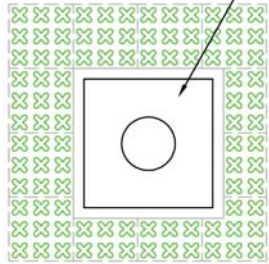
1.2m x 1.2m

Tree pit (circular)

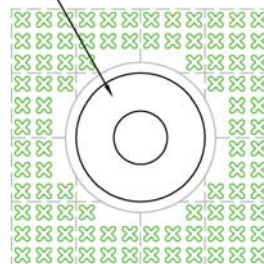


1.2m Radius

Optional infill with Grassroad® polypropylene pavers



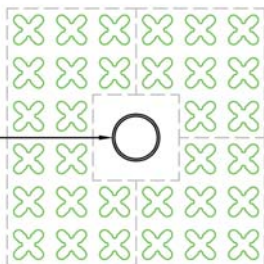
1.4m x 1.4m



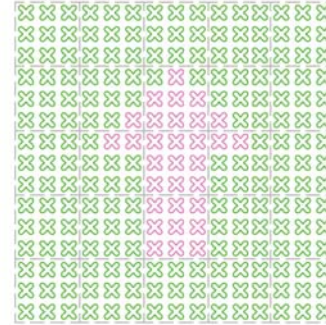
1.4m Radius

Mortice for bollard or lighting

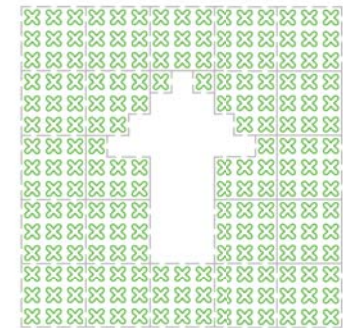
Twin wall PVCu pipe section set vertically to 5mm above finished level of Grasscrete to enable subsequent paring to level.



Arrow Marker

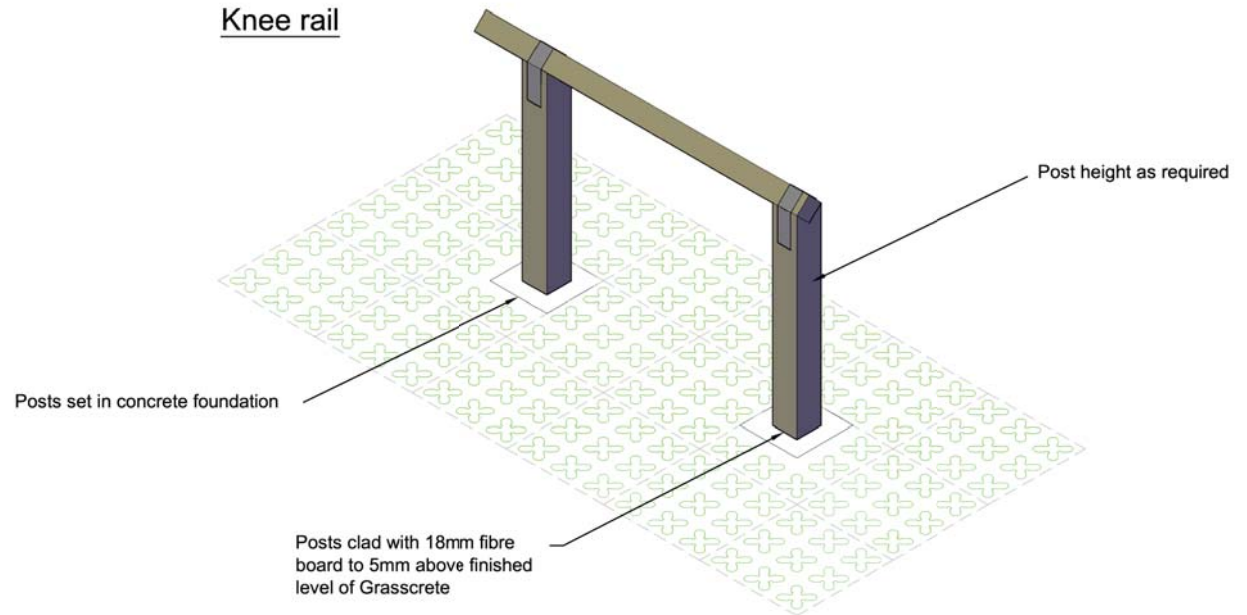


Pockets infilled with 20 to 5mm gravel



Pockets omitted and cast solid

Knee rail



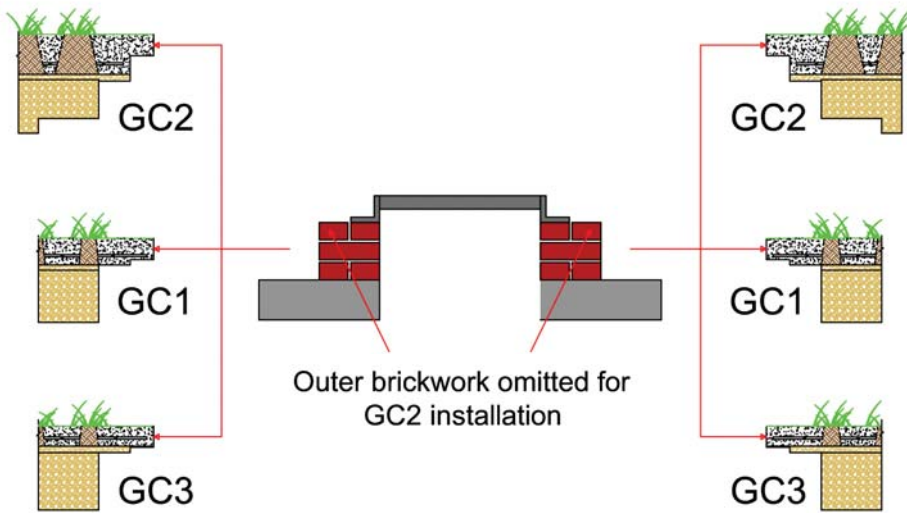
**grass concrete Ltd.**  
 Duncan House  
 142 Thomes Lane  
 Thomes  
 Wakefield  
 WF2 7RE  
 England  
 Tel: +44 (0) 1924 379443  
 Fax: +44 (0) 1924 290289  
 info@grasscrete.com  
 www.grasscrete.com

Client  
 N/A  
 Client Address

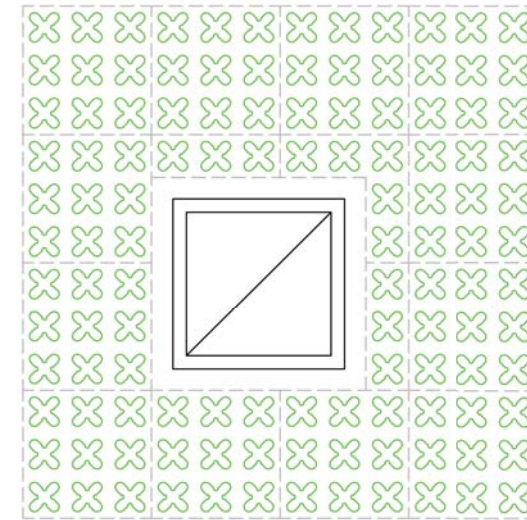
Site Details  
 N/A  
 Site Address

| Revision History |  |
|------------------|--|
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |

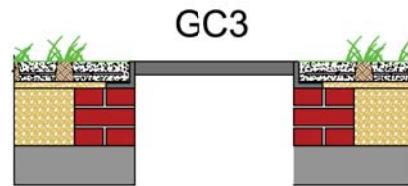
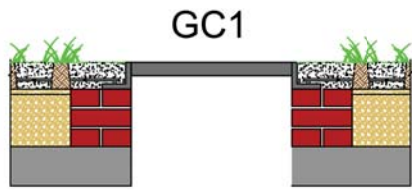
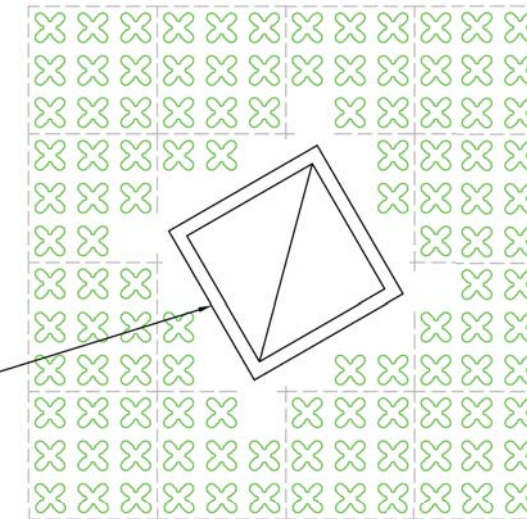
|                               |   |
|-------------------------------|---|
| Drawn By<br>D Moorhouse       | Date<br>21.01.2011  |
| Checked By<br>REH             | Scale<br>1:50 @ A3  |
| Project Reference             | Project Title<br>Typical Grasscrete Parking Details - Features 1 of 2 |
| Drawing Number<br>GC-CAD-0007 | Revision<br>-   |



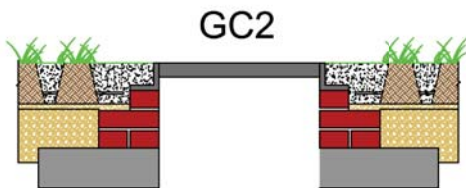
Man hole cover and frame aligned to grasscrete layout



Man hole cover and frame not aligned to grasscrete layout



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.



**grass concrete Ltd.**  
Duncan House  
142 Thomes Lane  
Thomes  
Wakefield  
WF2 7RE  
England  
Tel: +44 (0) 1924 379443  
Fax: +44 (0) 1924 290289  
info@grasscrete.com  
www.grasscrete.com

Client  
N/A  
Client Address

Site Details  
N/A  
Site Address

Revision History

Drawn By  
D Moorhouse

Date  
21.01.2011

Checked By  
REH

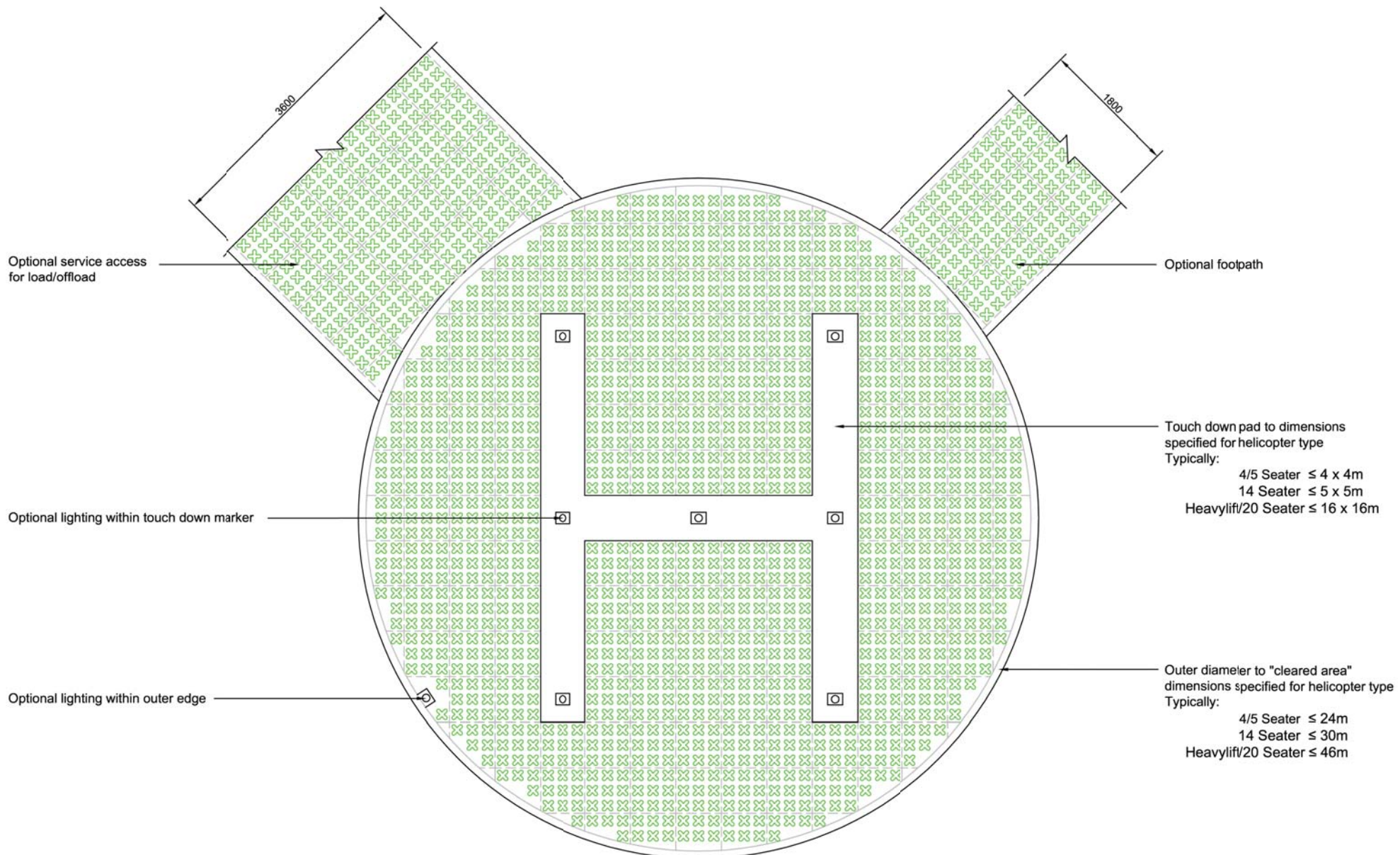
Scale  
1:25 @ A3

Project Reference  
Project Title  
Typical Grasscrete Parking Details - Features 2 of 2

Drawing Number  
GC-CAD-0008

Revision  
-





**grass concrete Ltd.**  
 Duncan House  
 142 Thomes Lane  
 Thomes  
 Wakefield  
 WF2 7RE  
 England  
 Tel: +44 (0) 1924 379443  
 Fax: +44 (0) 1924 290289  
 info@grasscrete.com  
 www.grasscrete.com

Client  
 N/A  
 Client Address

Site Details  
 N/A  
 Site Address

| Revision History |  |
|------------------|--|
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |
|                  |  |

Drawn By  
 D Moorhouse  
 Checked By  
 REH  
 Project Reference  
 Drawing Number  
 GC-CAD-0009

Date  
 24.01.2011  
 Scale  
 1:50 @ A3  
 Project Title  
 Typical Grasscrete Parking Details - Helipad  
 Revision  
 -

\* Assuming an allowable ground bearing of 45kN/m<sup>2</sup>. For typical sub grades, the following guideline can be considered:

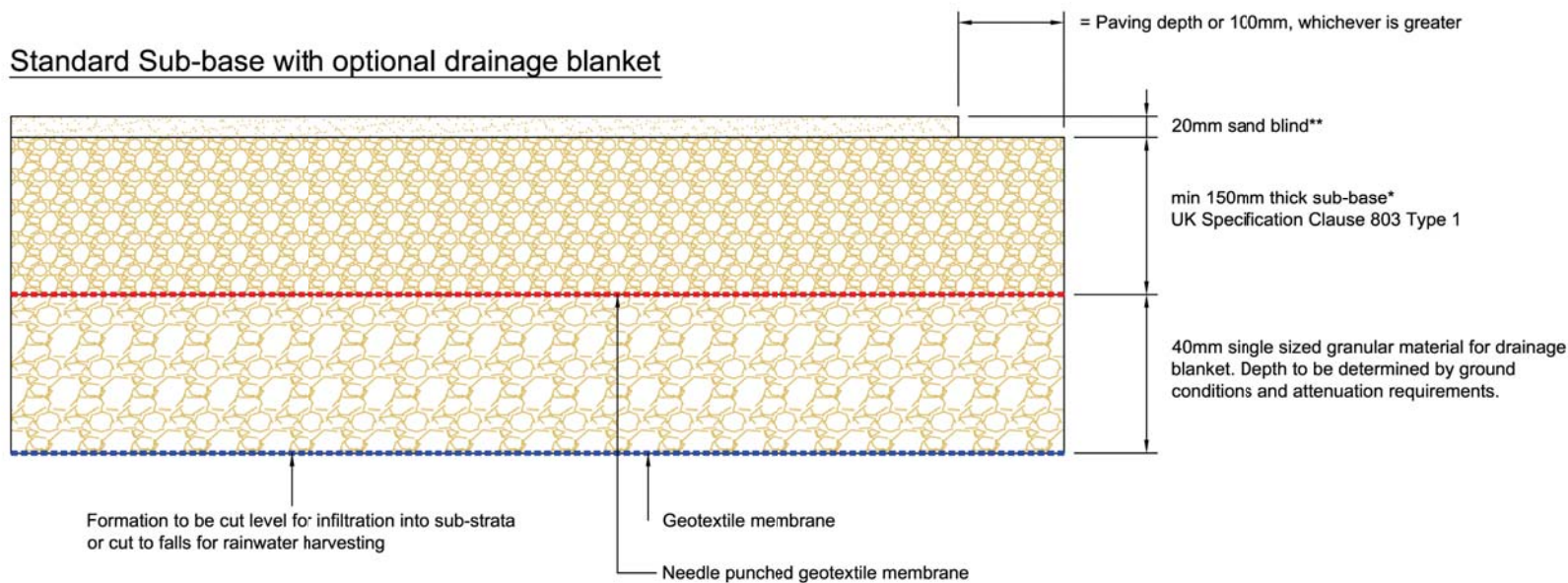
|            |                   |
|------------|-------------------|
| CBR 4%+    | 150mm Thick       |
| CBR 2 - 4% | 250 - 200mm Thick |
| CBR <2%    | 300mm + Thick     |

\*\* The sand blinding 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



### Standard Sub-base with optional drainage blanket



**grass concrete Ltd.**  
Duncan House  
142 Thomes Lane  
Thornes  
Wakefield  
WF2 7RE  
England  
Tel: +44 (0) 1924 379443  
Fax: +44 (0) 1924 290289  
info@grasscrete.com  
www.grasscrete.com

Client  
N/A  
Client Address

Site Details  
N/A  
Site Address

Revision History

Drawn By  
D Moorhouse

Date  
24.01.2011

Checked By  
REH

Scale  
1:50 @ A3

Project Reference  
Project Title  
Typical Grasscrete Parking Details - Sub-base details

Drawing Number  
GC-CAD-0010

Revision  
-