

**TYPICAL DETAIL FOR SOIL CRATE SYSTEM**  
**Refer also to soil crate plan SP108\_13\_03**  
**1:5 @ A1**

50mm mulch layer to planting areas, as specified;  
mounded down around access cover,  
visually hiding the gravel surround to pipe

- Access cover for cleaning/inspection; specification and finish to be approved; contractor to submit proposals
- With black aluminium cap on retainer chain
  - To be set 25mm higher than surrounding soft landscape

Slotted PVC pipe, 100mm diameter as specified  
- 100mm diameter Rigidrain plain ended  
perforated pipe by Polypipe Civils, or  
equal approved

Geotextile surround;  
Terram T1000, or equal approved

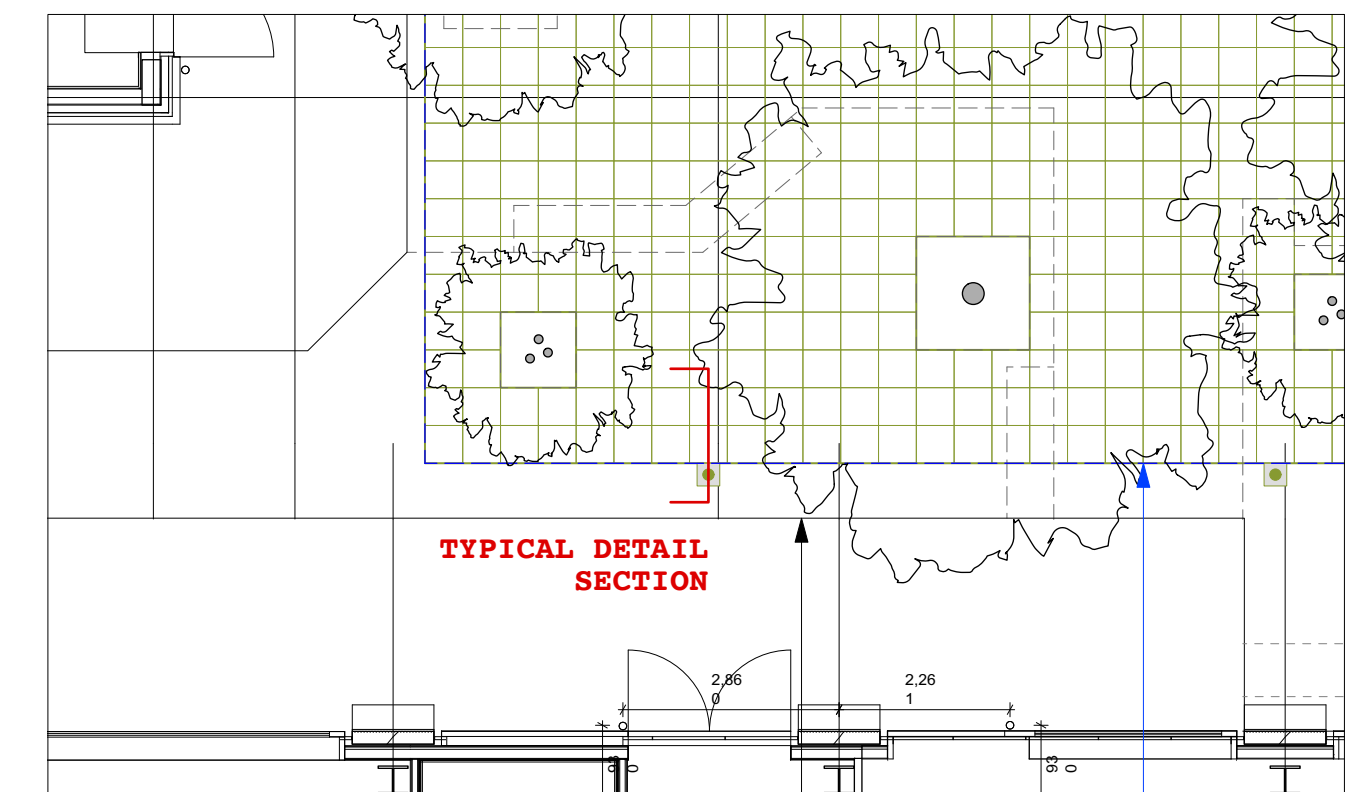
Gravel surround;  
Type 4-20mm clean angular gravel

Perforations in pipe to begin at +200mm  
from top of drainage crate level,  
accoridng to waterproofing strategy by  
Architects

SSL 22.78

Drainage body detail through drainage layer/slab to NDY Engineer's details

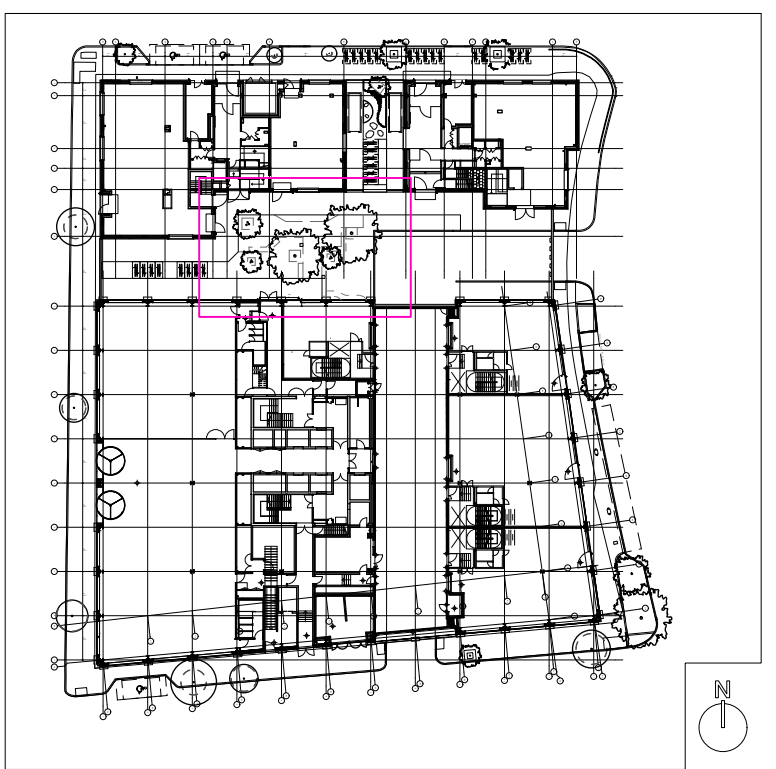
Drainage connection through slab to  
Engineer's/Architect's details



**KEY PLAN**  
1:100

Line of  
planting above

Extent of soil  
crate system



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Do not scale from this drawing. Any discrepancies or queries should be brought to the attention of the authors. Dimensions are to be verified on site prior to construction.

All existing site, tree and building information has been compiled from different sources.

Refer to current revisions of all referenced files.

Notes:

For locations of tree pit and soft landscape overflow drainage pipes, refer to TD1-4 and TD5-6 on **SP108\_13\_03**

Topsoil to BS 3882:2015, including 50mm layer of mulch material, as specified; refer to **SP108\_Doc04\_L5**

- Min. 300mm cover on top of soil crates
- Varies due to surface level - refer to architect's information
- For planting, refer to planting plans;

**SP108\_31\_PP\_1**  
**SP108\_31\_PP\_2**

GRN20 open mesh around perimeter of soil crates  
to ensure lateral stability

Soil crate system  
Rootspace system - 2 modules deep, with  
aeration deck by Green Blue Urban, or equal  
approved  
- Depth varies between 600/600 and 400/600  
combination, according to surface levels  
- For layout of soil crate system, refer to  
**SP108\_13\_SC**

Topsoil to BS 3882:2015 to upper horizon of tree pit and top layer of soil crates, as specified; refer to **SP108\_Doc04\_LS**

- Depth varies between 600/600 and 400/600 combination, according to surface levels; refer to **SP108\_13\_SC**

Subsoil to BS 8601:2013 to lower horizon of tree pit and lower layer of soil crates

Membrane/drainage build-up on top of insulation:  
[top down]  
- GRN20 open mesh surrounding soil crates, by Green Blue Urban, or equal approved  
- Filter sheet separation membrane by ZinCo, or equal approved  
- Drainage crate layer (eg. Floradrain FD60 by ZinCo, or equal approved, with lightweight aggregate in full to manufacturer's directions)  
- Perforated mat/ separation membrane by ZinCo, or equal approved  
- Root barrier by ZinCo, or equal approved  
**The above is subject to confirmation by the supplier of the specified soil crate system**

- Build-up on top of slab to architects details

Rev	Date	Description
S31	03.02.20	Stage 3 issue
T1	30.10.20	Issued for Tender
T2	18.02.22	Updated plan layout

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Client

W. RE

Project  
SP108: St Pancras Commercial  
centre

Drawing Title

Tree pits: Soil crate system

Drawing Number  
SP108-73-SC

Date  
18.02.22

Revision  
T2

Scale (@ A1)  
1:5

Drawing Status

Stage 4