

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

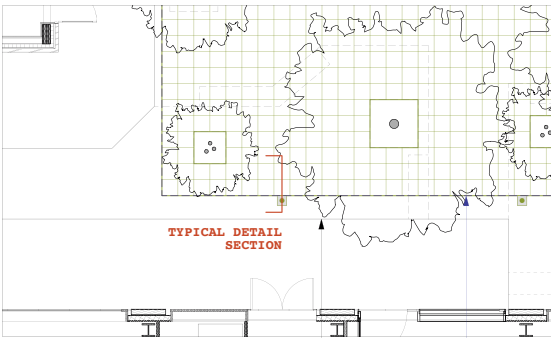
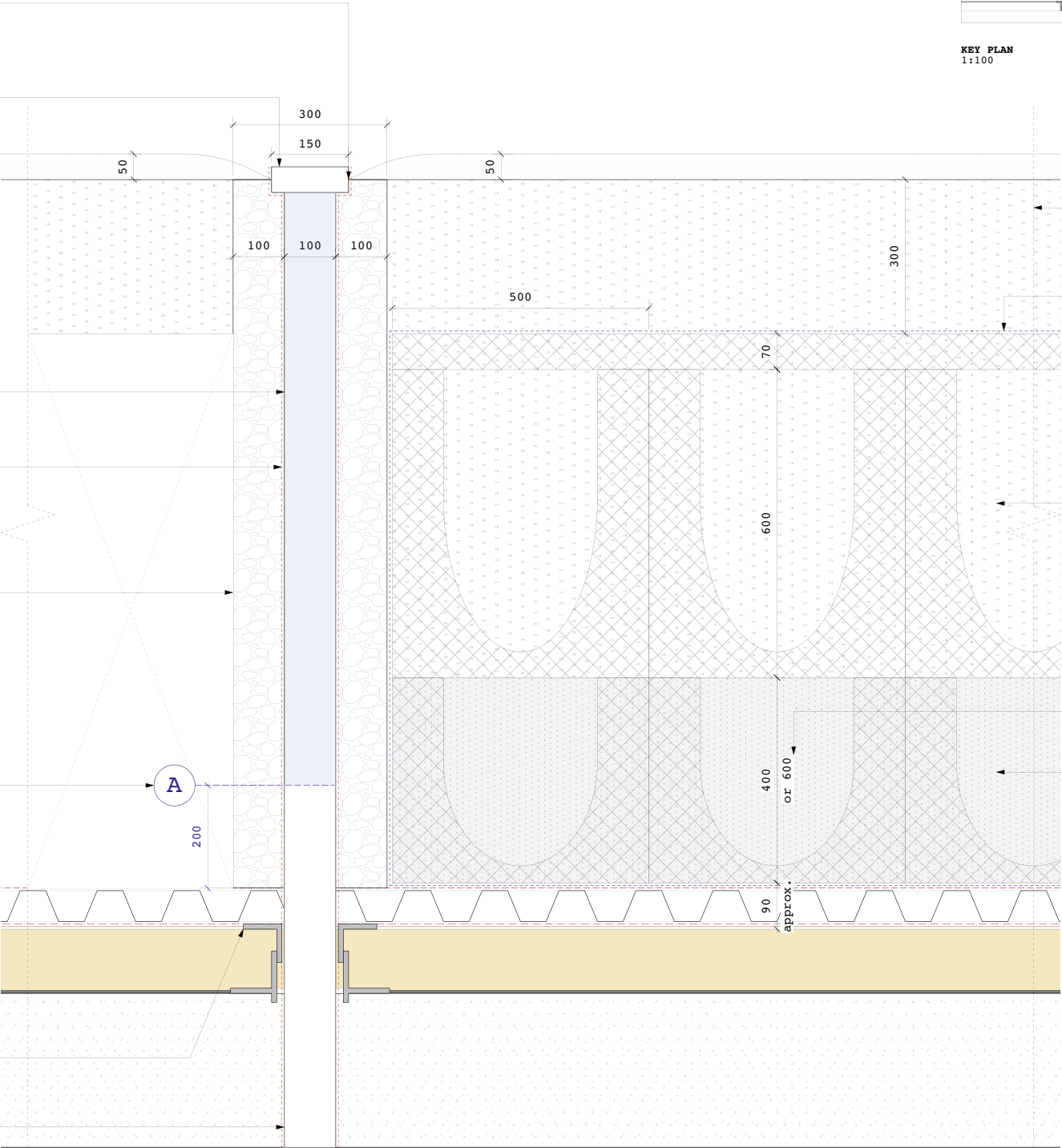
Gravel surround;
Type 4-20mm clean angular gravel

Perforations in pipe to begin at +200mm from top of drainage grate level, according 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

Topsoil to BS 3882:2015, including 50mm layer of mulch material, as specified; refer to **SP108_Doc04_LS**
- 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**

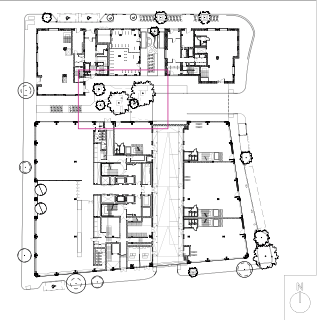
Topsoil to BS 3882:2015 to upper horizon of tree pit and top layer of soil crates, as specified; refer to **SP108_Doc04_LS**

- 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 grate layer (eg. Floradrain FD60 by ZinCo, or equal approved, with lightweight aggregate infill to manufacturer's directions)
- Protection 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



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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:

Key:

Rev	Date	Description
S31	03.02.20	Stage 3 issue
T1	30.10.20	Issued for Tender

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Client

W.RE

Project

SP108 St Pancras Commercial Centre

Drawing Title

Tree pits:
Soil crate system

Drawing Status

Stage 4

Date

30.10.20

Scale

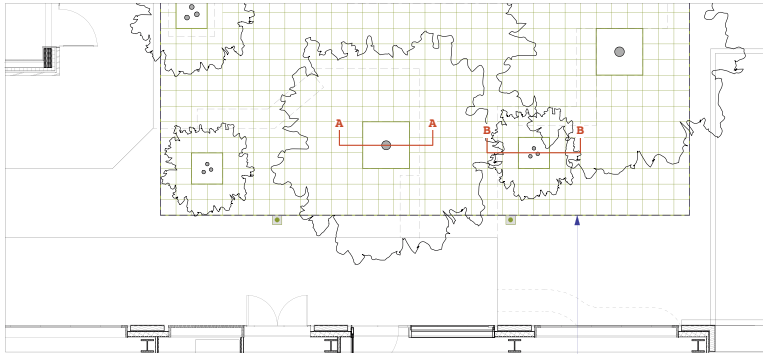
1:5 @ A1

Drawing Number

SP108_73_SC

Revision

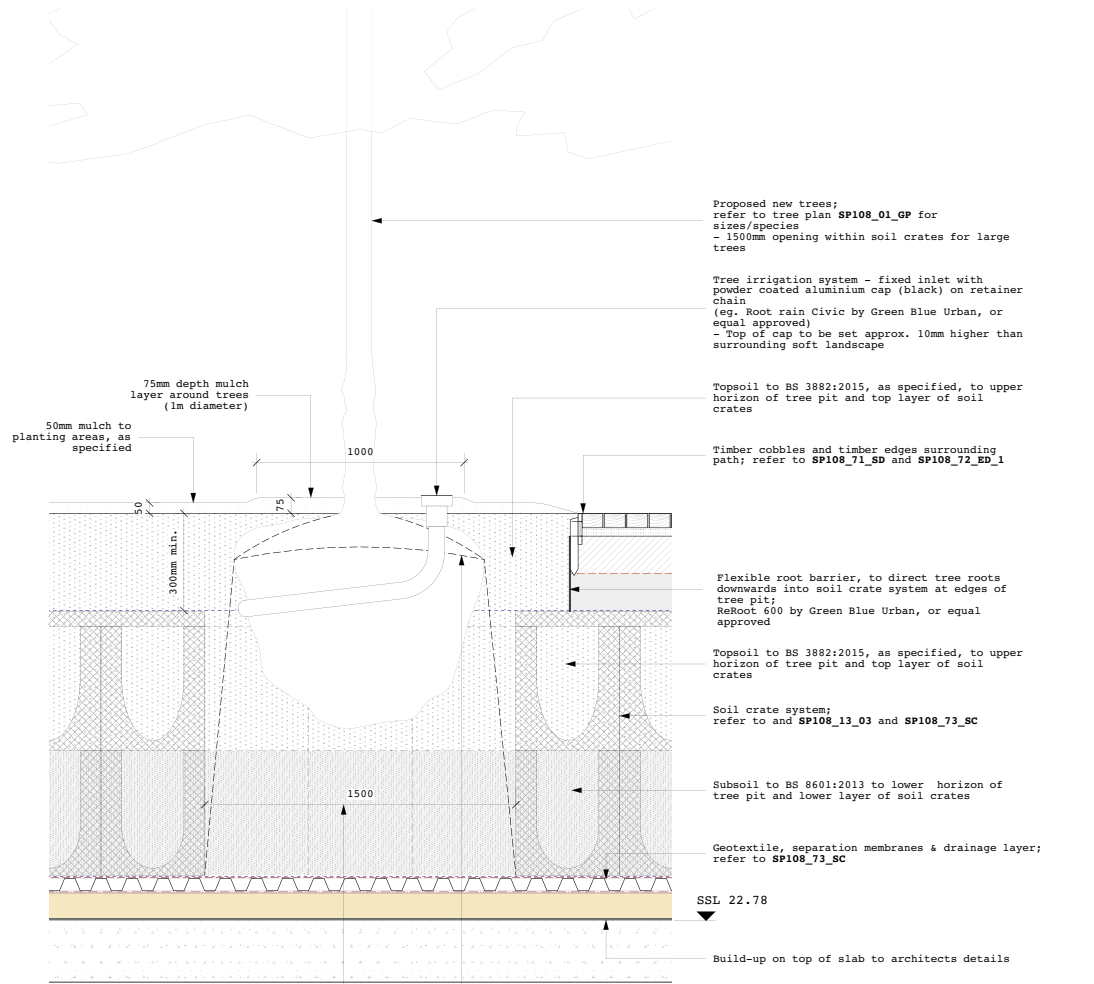
T1



KEY PLAN
1:100

Extent of soil
crate system

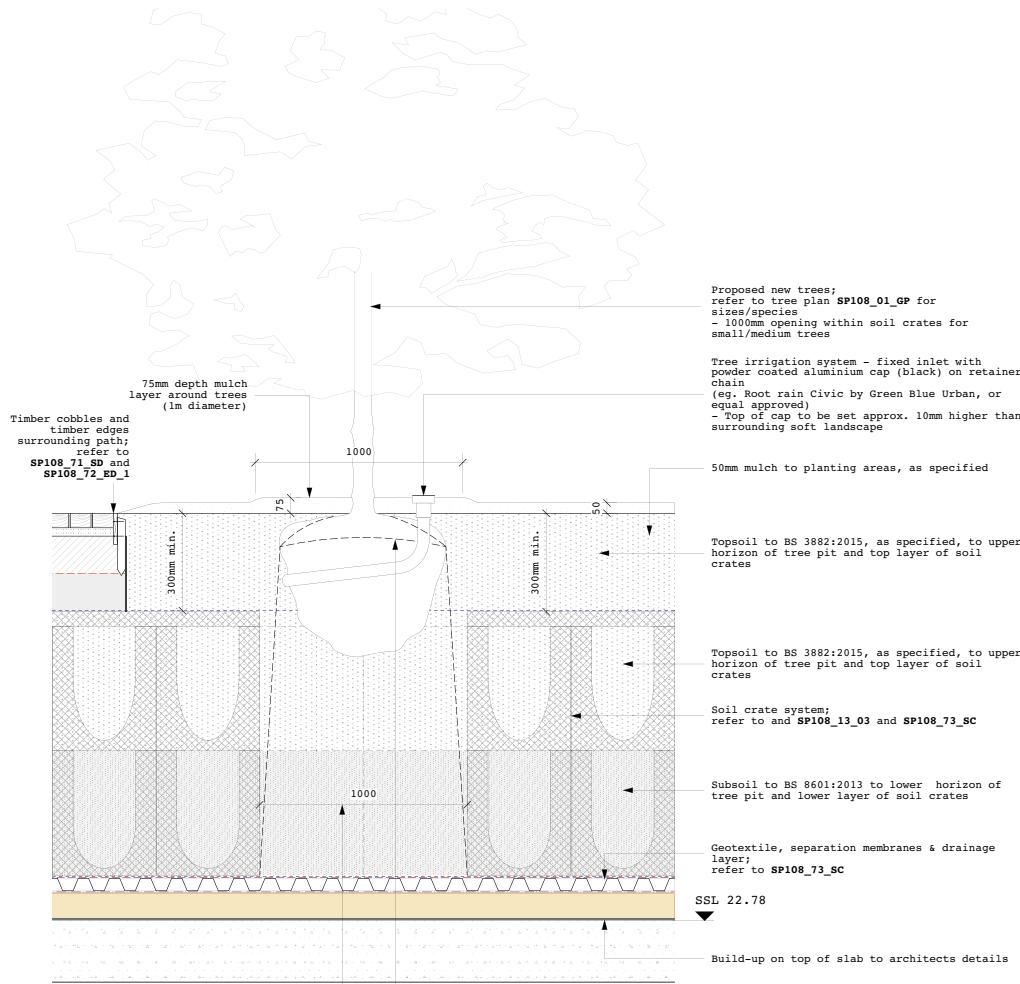
DETAIL 01 - Large trees in soft surface
Soil crate area
[SECTION A]
1:15 @ A1



Large trees - leave out 1500x1500mm section of crates to accommodate tree rootball; refer also to SP108_13_03
- Estimated rootball size 1200mm diameter; size to be confirmed with nursery before ordering

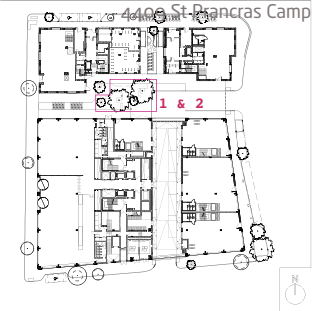
Tree anchoring system;
Wire straps over Rootball with protective mesh mats (eg. Platimat and wire anchor system by Green Tech, or equal approved)
- Wire anchors sized according to proposed tree (Medium or Large)
- Fixing system to soil crates by soil crate manufacturer; Green Blue Urban, or equal approved

DETAIL 02 - Small/medium trees in soft surface
Soil crate area
[SECTION B]
1:15 @ A1



Small trees - leave out 1000x1000mm section of crates to accommodate tree rootball; refer also to SP108_13_03
- Estimated rootball size 900mm diameter; size to be confirmed with nursery before ordering

Tree anchoring system;
Wire straps over Rootball with protective mesh mats (eg. Platimat and wire anchor system by Green Tech, or equal approved)
- Wire anchors sized according to proposed tree (Medium or Large)
- Fixing system to soil crates by soil crate manufacturer; Green Blue Urban, or equal approved



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Project
SP108 St Pancras Commercial Centre

Drawing Title
Tree pits 01:
Soft surface, Large & Small

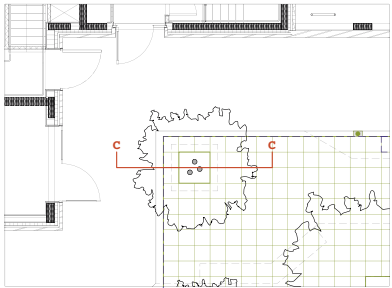
Drawing Status
Stage 4

Date
30.10.20

Scale
1:100 / 1:15 @ A1

Drawing Number
SP108_74_TP_1

Revision
T1



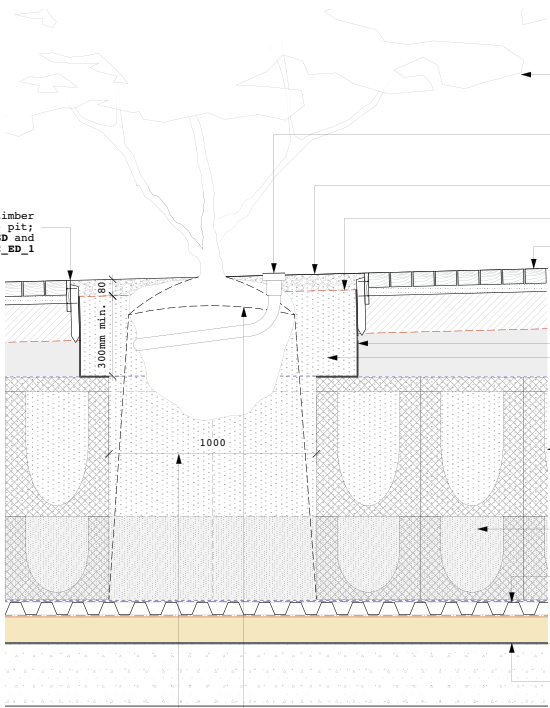
KEY PLAN
1:100

Extent of soil
crate system

DETAIL 03 - Medium tree in hard surface
[SECTION C]
1:15 @ A1

Timber cobbles and timber
edges surrounding tree pit;
refer to SP108_71_SD and
SP108_72_SD_1

Small/medium trees - leave out 1000x1000mm
section of crates to accommodate tree rootball;
refer also to SP108_13_03
- Estimated rootball size 900mm diameter; size to
be confirmed with nursery before ordering



Proposed new trees;
refer to tree plan SP108_01_GP for sizes/species
- 1000mm opening within soil crates for small/medium trees

Tree irrigation system - fixed inlet with powder coated
aluminium cap (black) on retainer chain
(eg. Root rain Civic by Green Blue Urban, or equal approved)
- Top of cap to be set approx. 10mm higher than surrounding
soft landscape

Loose gravel, 80mm depth
- 20mm Flint gravel by CED stone, or equal approved

Geotextile; Terram T1000 or equal approved.

Timber cobble surface (permeable construction);
refer to detail SP108_71_SD

Flexible root barrier, to direct tree roots downwards into
soil crate system at edges of tree pit;
ReRoot 600 by Green Blue Urban, or equal approved

Topsoil to BS 3882:2015, as specified, to upper horizon of
tree pit and top layer of soil crates

Soil crate system;
refer to and SP108_13_03 and SP108_73_SC

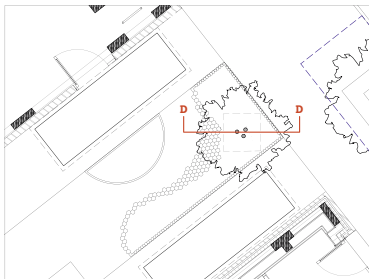
Subsoil to BS 8601:2013 to lower horizon of tree pit and
lower layer of soil crates

Geotextile, separation membranes & drainage layer;
refer to SP108_73_SC

SSL 22.78

Build-up on top of slab to architects details

Tree anchoring system;
Wire straps over Rootball with protective mesh mats (eg.
Platimat and wire anchor system by Green Tech, or equal
approved)
- Wire anchors sized according to proposed tree (Medium or
Large)
- Fixing system to soil crates by soil crate manufacturer;
Green Blue Urban, or equal approved



KEY PLAN
1:100

DETAIL 04 - Small tree in
soft surface
[SECTION D]
1:15 @ A1

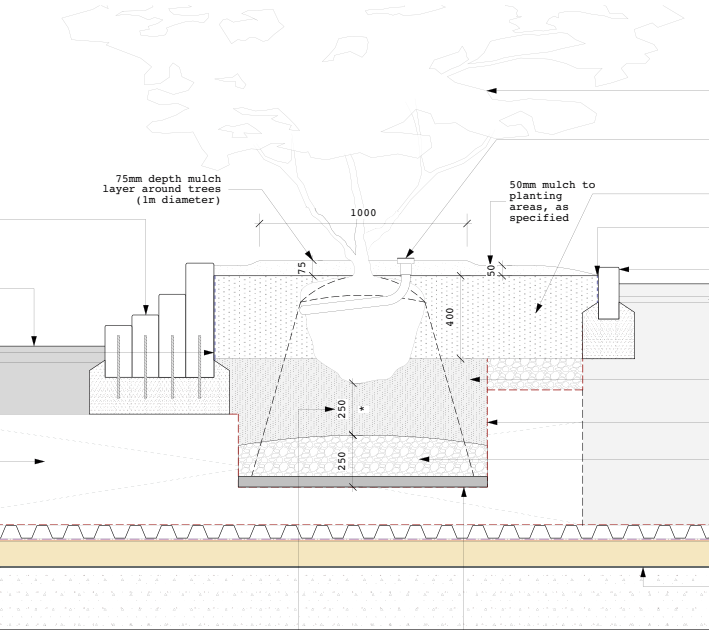
Play garden edge
refer to detail SP108_77_PT

Wetpour rubber (permeable
construction);
refer to detail SP108_71_SD

Waterproof membrane;
- Flexiseal by RIW coatings
applied to manufacturer's
instructions, or equal approved

Void former above structural slab to
engineer's specification

SSL 23.935



Proposed new trees;
refer to tree plan SP108_01_GP for sizes/species

Tree irrigation system - fixed inlet with powder coated aluminium cap
(black) on retainer chain
(eg. Root rain Civic by Green Blue Urban, or equal approved)
- Top of cap to be set approx. 10mm higher than surrounding
soft landscape

Topsoil to BS 3882:2015, as specified

Waterproof membrane to timber edge;
- Flexiseal by RIW coatings applied to manufacturer's instructions, or
equal approved

Play garden edge
refer to detail SP108_77_PT

Public realm surface;
refer to detail SP108_71_SD
NOTE: Specification TSC, subject to confirmation with LB Camden

Subsoil to BS 8601:2013 to lower horizon of
tree pit, as specified

Geotextile lining to edge of tree pit;
Terram T1000, or equal approved

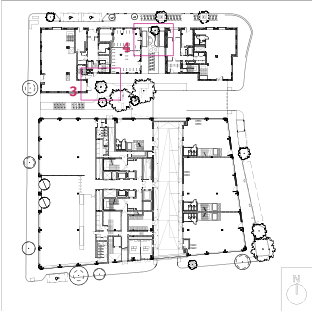
Gravel drainage layer, as specified, domed to middle,
with geotextile separating layer from subsoil above
Max. 250mm depth

Geotextile, separation membranes & drainage layer;
refer to SP108_73_SC

Build-up on top of slab to architects details

Tree anchoring system;
Wire straps over Rootball with protective mesh mats (eg.
Platimat and wire anchor system by Green Tech, or equal
approved)
- Anchored with D-Man cells as specified, or equal approved

Tree pit 1200mm square
and min. 250mm deeper
than tree rootball



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Client

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Project

SP108 St Pancras Commercial Centre

Drawing Title

Tree pits 02:

Hard/soft surface

Drawing Status

Stage 4

Date

30.10.20

Scale

1:100 / 1:15 @ A1

Drawing Number

SP108_74_TP_2

Revision

T1

Appendix 6

Geological Maps

