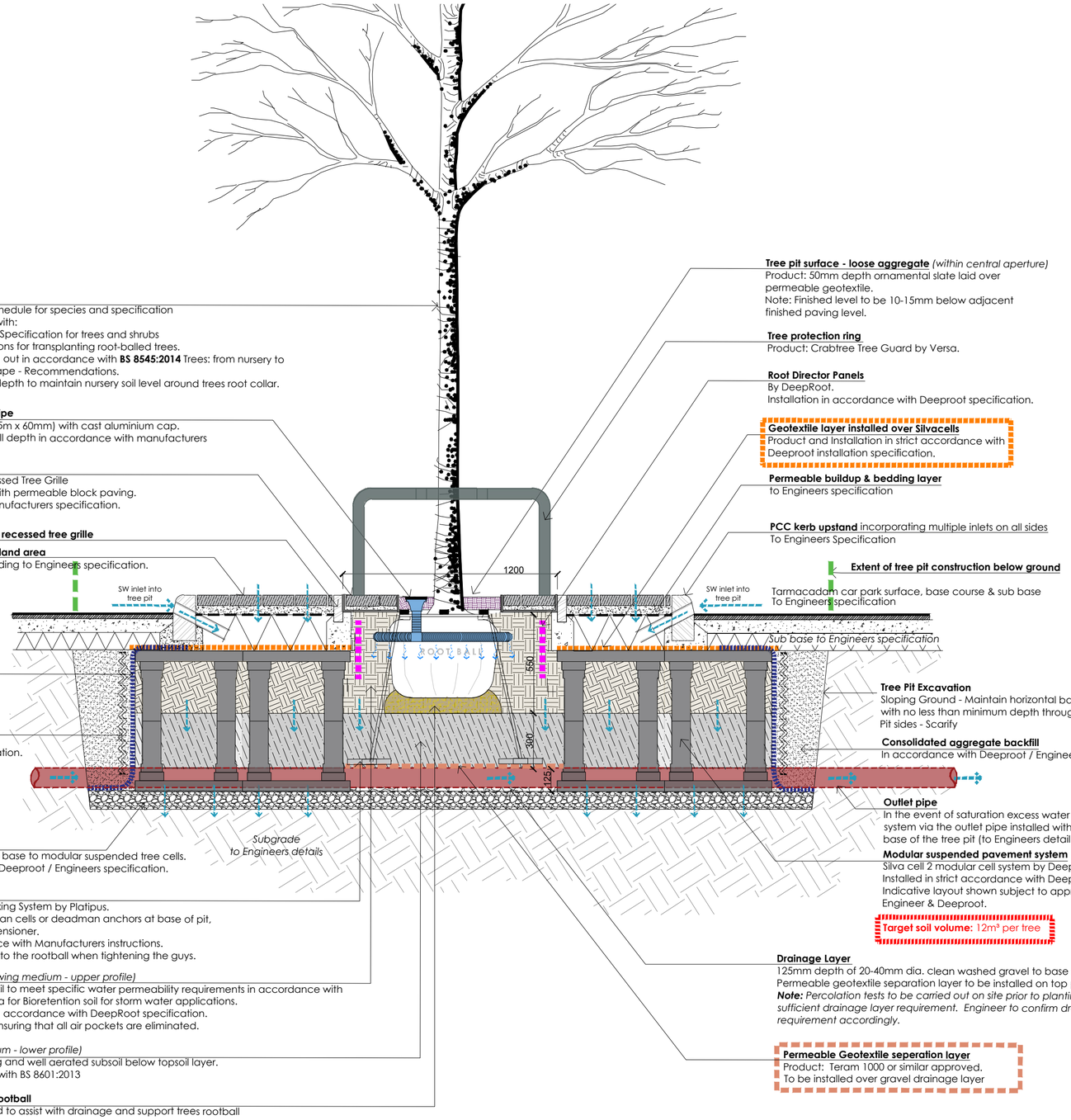



**Tree**
Refer to landscape plan & schedule for species and specification
All plant material to comply with:
**BS 3936-1:1992** Nursery stock: Specification for trees and shrubs
**BS 4043:1989** Recommendations for transplanting root-balled trees.
All tree planting to be carried out in accordance with **BS 8545:2014** Trees: from nursery to independence in the landscape - Recommendations.
**Note:** Tree to be planted at depth to maintain nursery soil level around trees root collar.

**Tree pit irrigation / aeration pipe**
Product: Mona Relief Vente (5m x 60mm) with cast aluminium cap.
Installed around rootball to full depth in accordance with manufacturers installation specification.

**Tree Grille**
Product: ASF Max Pave Recessed Tree Grille
Size: 1200 x 1200mm infilled with permeable block paving.
Installation: to Engineers / Manufacturers specification.

**Flush PCC edging surround to recessed tree grille**

**Permeable block paving to island area**
Block paving, build up & bedding to Engineers specification.

**Geogrid**
Overlap 300mm minimum at top of Cells.
150mm minimum below backfill at base.

**Linear Root Barrier**
By DeepRoot.
Installation in accordance with Deeproot specification.

**Base Layer**
Consolidated aggregate sub base to modular suspended tree cells.
Installed in accordance with Deeproot / Engineers specification.

**Tree anchoring system**
Product: Plati-Mat Rootball Fixing System by Platipus.
3No. galv. wire guys with D-Man cells or deadman anchors at base of pit,
3 No. Platimats and ratchet tensioner.
Installation in strict accordnace with Manufacturers instructions.
Ensure no damage is caused to the rootball when tightening the guys.

**Bioretention Soil Backfill** *(Growing medium - upper profile)*
500mm depth bioretention soil to meet specific water permeability requirements in accordance with Deeproot specification criteria for Bioretention soil for storm water applications.
Installed in 200mm max. lifts in accordance with DeepRoot specification.
Lightly firm around rootball, ensuring that all air pockets are eliminated.

**Subsoil Layer** *(Growing medium - lower profile)*
300mm depth of free draining and well aerated subsoil below topsoil layer.
Subsoil to be in accordance with BS 8601:2013

**Sandy bedding layer below rootball**
Horticultural grade sharp sand to assist with drainage and support trees rootball

**Tree pit surface - loose aggregate** *(within central aperture)*
Product: 50mm depth ornamental slate laid over permeable geotextile.
Note: Finished level to be 10-15mm below adjacent finished paving level.

**Tree protection ring**
Product: Crabtree Tree Guard by Versa.

**Root Director Panels**
By DeepRoot.
Installation in accordance with Deeproot specification.

**Geotextile layer installed over Silvacells**
Product and Installation in strict accordance with Deeproot installation specification.

**Permeable buildup & bedding layer**
to Engineers specification

**PCC kerb upstand** incorporating multiple inlets on all sides
To Engineers Specification

**Extent of tree pit construction below ground**
Tarmacadam car park surface, base course & sub base
To Engineers specification
*Sub base to Engineers specification*

**Tree Pit Excavation**
Sloping Ground - Maintain horizontal base and vertical sides with no less than minimum depth throughout.
Pit sides - Scarify

**Consolidated aggregate backfill**
In accordance with Deeproot / Engineer's specification

**Outlet pipe**
In the event of saturation excess water will discharge into the SW drainage system via the outlet pipe installed within the gravel drainage layer at the base of the tree pit (to Engineers detail design and specification).

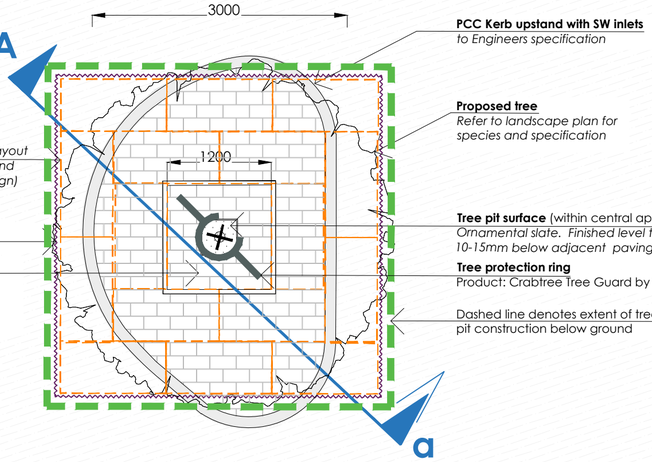
**Modular suspended pavement system**
Silva cell 2 modular cell system by DeepRoot.
Installed in strict accordance with Deeproot specification.
Indicative layout shown subject to approval by structural Engineer & Deeproot.

**Target soil volume:** 12m³ per tree

**Drainage Layer**
125mm depth of 20-40mm dia. clean washed gravel to base of tree pit.
Permeable geotextile separation layer to be installed on top prior to backfilling.
***Note:*** *Percolation tests to be carried out on site prior to planting to confirm sufficient drainage layer requirement. Engineer to confirm drainage requirement accordingly.*

**Permeable Geotextile seperation layer**
Product: Teram 1000 or similar approved.
To be installed over gravel drainage layer

**D01**
01
**TYPICAL SECTION A-a THROUGH SuDS TREE PLANTING PIT WITHIN CARPARK** 1:20




***NOTE:*** *Indicative number & layout of structural cells below ground shown (subject to detail design)*

**PCC Kerb upstand with SW inlets** *to Engineers specification*

**Proposed tree** *Refer to landscape plan for species and specification*

**Linear Root Barrier**

**Tree pit surface** (within central aperture) *Ornamental slate. Finished level to be 10-15mm below adjacent paving level.*

**Tree grille**
ASF Max Pave recessed tree grille inlaid with permeable block paving to match adjacent surfacing.

**Tree protection ring**
Product: Crabtree Tree Guard by Versa.

Dashed line denotes extent of tree pit construction below ground

**D01** 02 **LOCATION PLAN** 1:50

*FOR TREE PIT LOCATIONS REFER TO VECTOR DWG REF:* ***17229-VL_L01*** *- LANDSCAPE PLAN.*

**Notes:**

Do not scale from this drawing, always work to noted dimensions.
All given dimensions in mm unless otherwise stated.

The contractor is to check all dimensions and levels on site prior to commencing any work.

Any discrepancies should be reported to the CA immediately upon discovery.

The contractor should bring to the attention of the CA the presence of any services not identified on this drawing immediately upon discovery and await further instructions prior to carrying out any further works in the vicinity.

| Revisions | Description | Drawn | Check |
|---|---|---|---|
| 2021.03.18 -B | Updated in response to comments received from LPA. - Target soil volume increased to 12m2. | AS | AS |
| 2021.01.27 -A | SUDS inlet / outlet updated. Bioretention soil specification note added | AS | AS |

| | |
|---|---|
| Project Title | PROPOSED RESTAURANT DEVELOPMENT<br>PLAS COCH RETAIL PARK<br>WREXHAM |
| Client | McDONALDS RESTAURANTS |
| Status | PLANNING |
| Scale | AS SHOWN |
| Drawing Size | A2 |
| Drawn By | FW |
| Checked By | AS |
| Date | 12/2020 |
| Drawing Title | SuDs Tree Planting Detail - Car Park |
| Job-Dwg No | 17229-VL-McD_D01 Rev B |

vector design concepts
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CAD file reference V:\V17001-18000\17229 Wrexham\04 Landscaping\17.0 Drawings and Issue Sheets\01 Planning