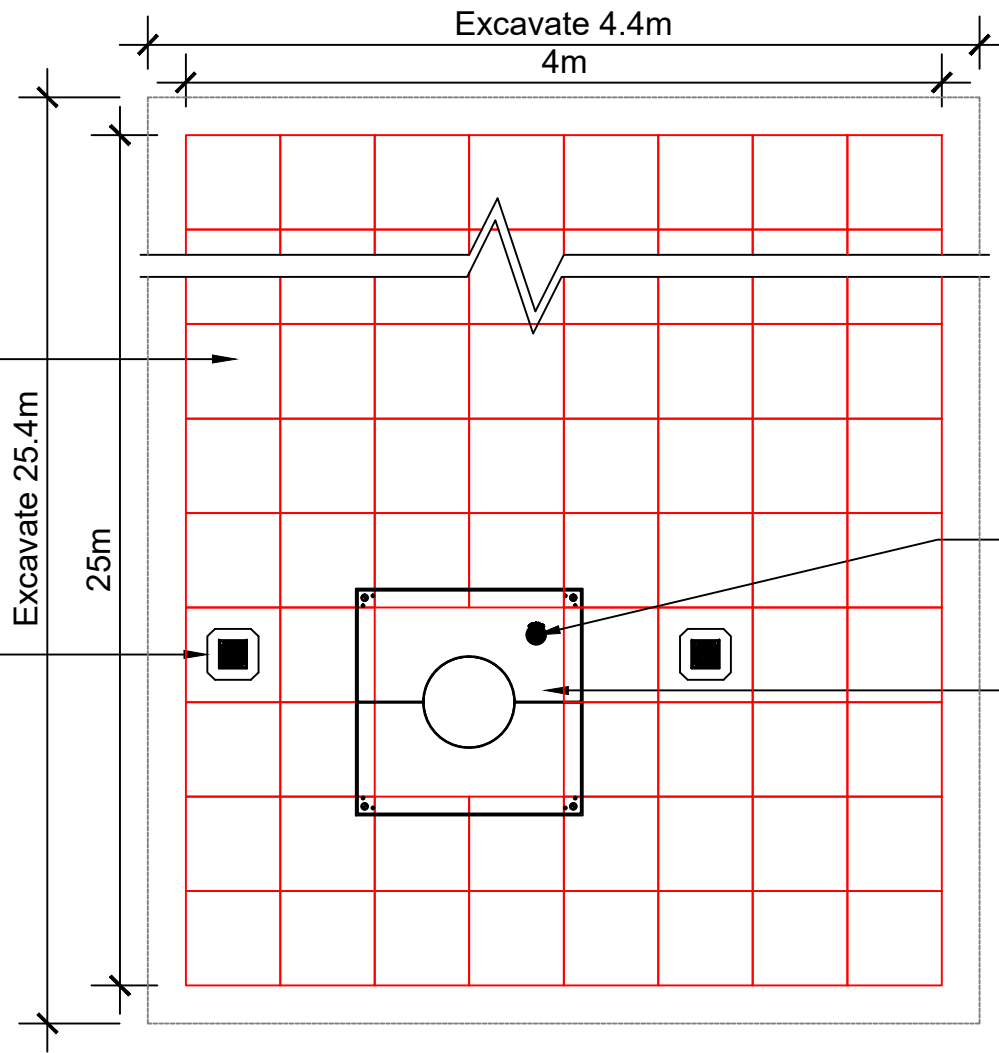


TREE PIT TYPE 1
HARD LANDSCAPING
PLAN VIEW

TOTAL ROOTING VOLUME
PER TREE 61m³

RootSpace structure - 1 module deep x 50 module Length x 8 module Width (2 x 2 module void below root ball)

RRARBV150B Arborvent 150 double inlet aeration/irrigation system with cast inlets fitted to Root Space Airflow inlet.



RRHYDR1A Rootrain Hydrogrille single inlet Aeration/irrigation system with cast inlet.

ARBPC12A Precast Arboresin tree grille 1200 x 1200mm finished with Resin Bound Gravel - Colour Brittany Bronze

TREE PIT TYPE 1 HARD
LANDSCAPING
SECTION VIEW

TOTAL ROOTING VOLUME PER
TREE 61m³

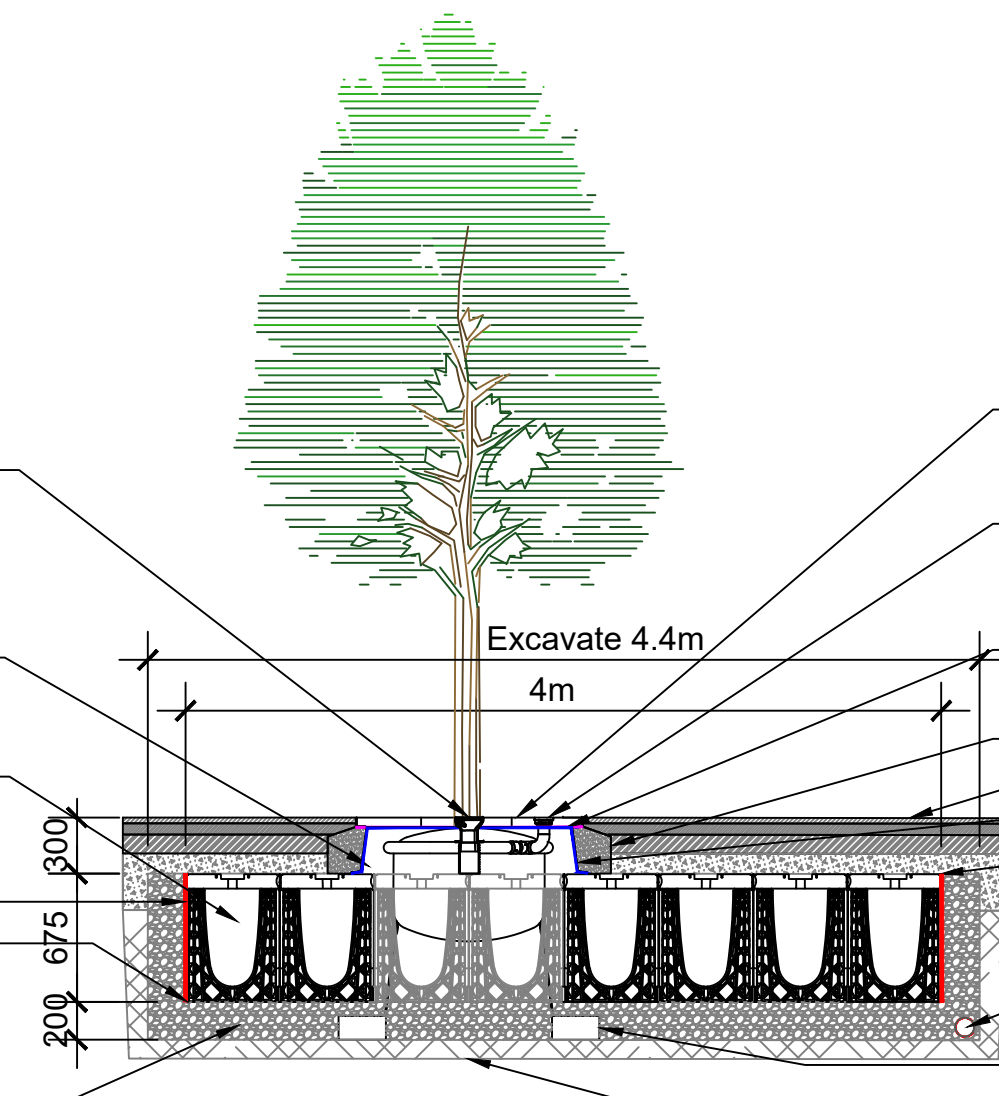
RRARBV150B Arborvent 150 single inlet aeration system with cast inlets fitted to RootSpace Airflow inlet. Base should be wrapped with geonet to 100mm

Back filled with BS3882 sandy loam topsoil

RootSpace structure - 1 module deep x 50 module Length x 8 module Width (2 x 2 module void below root ball)

Reroot 600mm Depth Root Barrier DGRN20 plastic open reinforcing mesh, 20mm aperture laid below and around sides and base of RootSpace structure - Overlap at the base by 300mm

MOT type 3 200mm depth of clean angular stone around sides and base of RootSpace structure.



NOTE:
Incorporate Rootstart Mycorrhiza - apply to tree pit at time of planting in accordance with manufacturers recommendations - allow 200g per tree.

ARBPC12A Precast Arboresin tree grille 1200 x 1200mm finished with Resin Bound Gravel - Colour Brittany Bronze
RRHYDR1A Rootrain Hydrogrille single inlet aeration/irrigation system with cast inlet.

Geotextile membrane layer below tree grille
Concrete haunch to engineers detail
Paving to engineers detail

RD1000-RS Root Director
GLTWGNA twinwall geonet laid over RootSpace structure

Overlap at the base by 300mm
Indicative drainage installed below RootSpace to engineer's detail

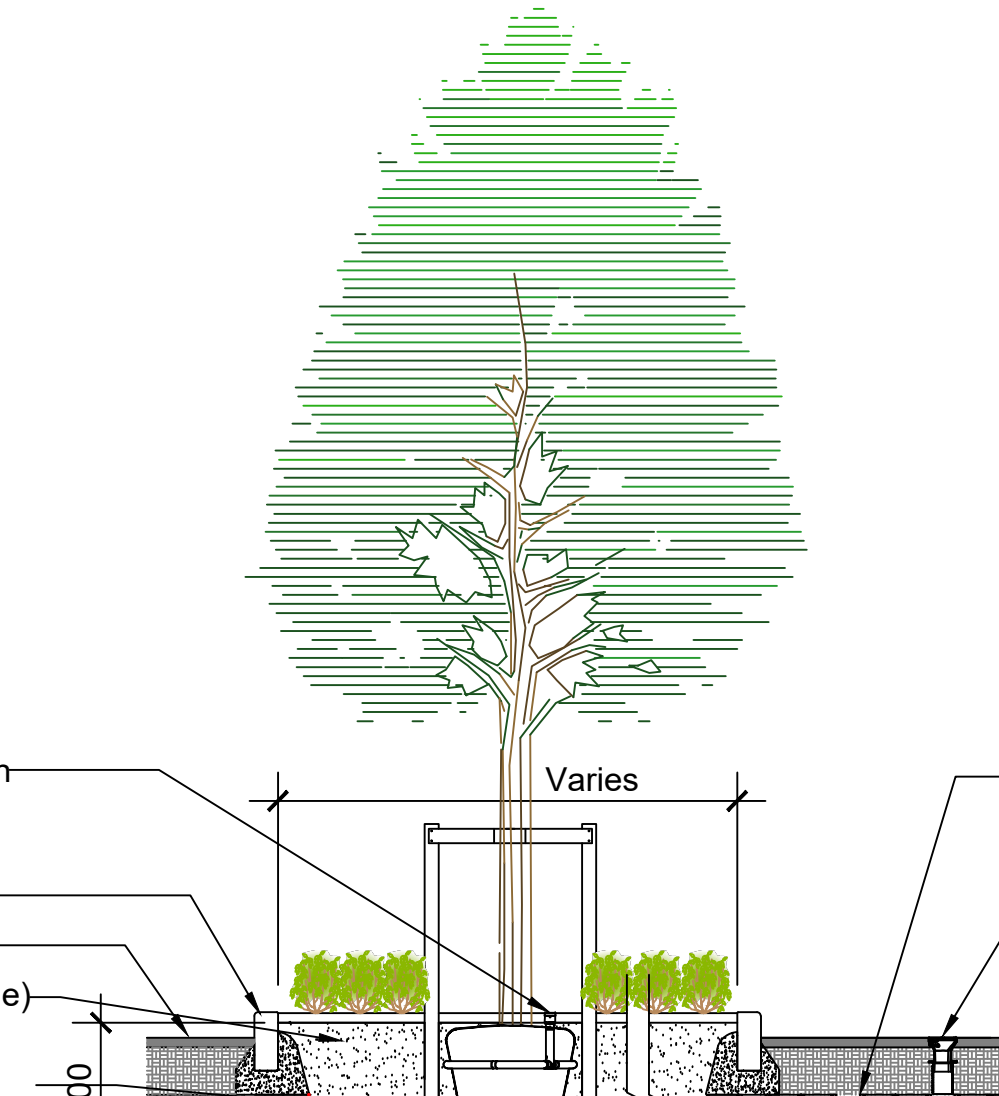
SASLCB Arborguy strapped anchor system c/w dead man anchors

Sub soil to base of tree pit to be thoroughly broken up to depth of 200mm prior to planting

TREE PIT TYPE 8 A&B
HARD LANDSCAPING
PLAN VIEW

TOTAL ROOTING VOLUME
PER TREE 16m³

Topsoil & Subsoil should be mixed to 100mm depth to improve drainage from backfill



Green Blue Urban Root Rain Urban Irrigation System installed around the rootball. Ensure inlet is flush with or slightly above ground
Concrete Kerb see engineers detail
Road see engineers detail

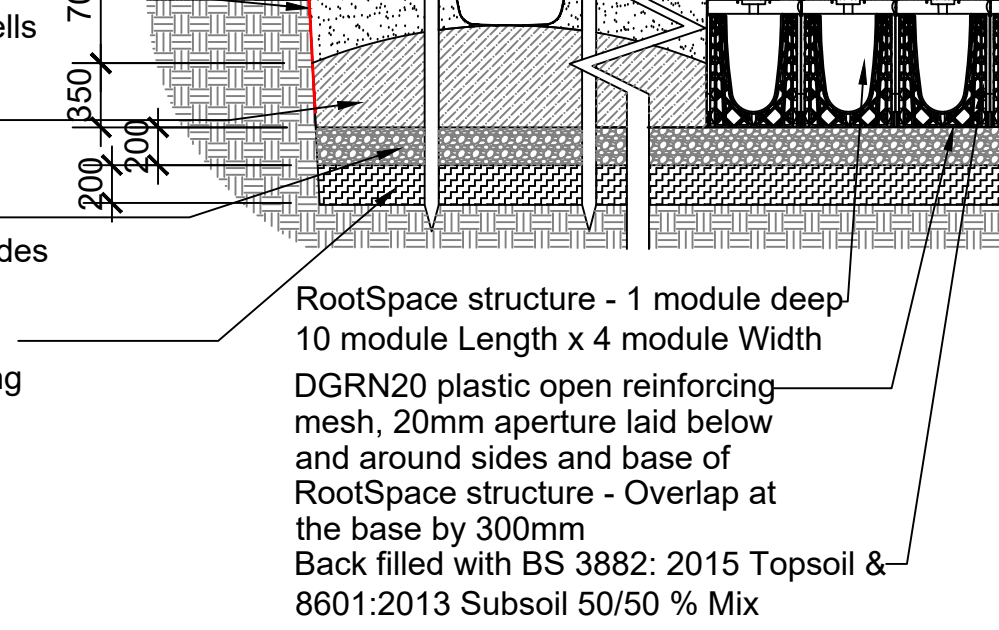
BS 3882:2015 Topsoil (Multi - Purpose Grade) backfill to 500 - 700mm depth

Reroot 600mm depth root barrier to sides of planting beds and sides of root cells bordering paving or car park

Back filled with BS 8601:2013 Subsoil to 350 - 500mm Depth, Crowned for rootball

MOT type 3 200mm depth of clean angular stone base of RootSpace structure and to sides bordering hard landscaping

Sub soil to base of tree pit to be thoroughly broken up to depth of 200mm prior to planting



GLTWGNA twinwall geonet laid over RootSpace structure, overlap at the base by 300mm

RRARBV150B Arborvent 150 single inlet aeration system with cast inlets

Reroot 600mm depth root barrier to sides of planting beds and sides of root cells below the car park

RootSpace structure - 1 module deep 10 module Length x 4 module Width

DGRN20 plastic open reinforcing mesh, 20mm aperture laid below and around sides and base of RootSpace structure - Overlap at the base by 300mm

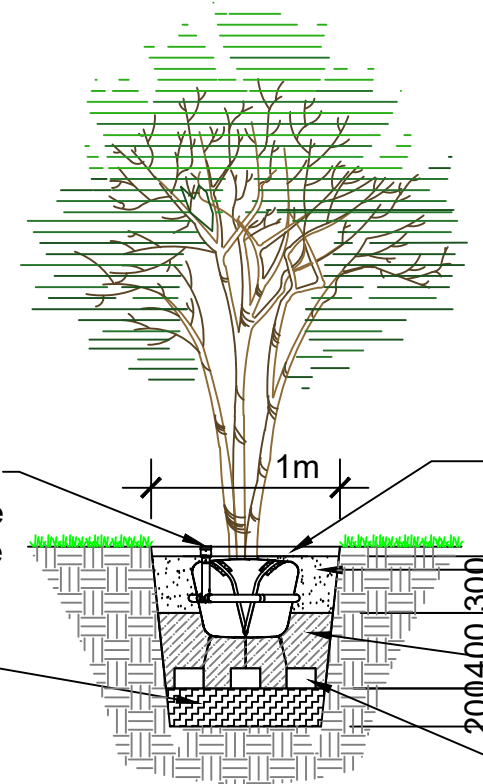
Back filled with BS 3882: 2015 Topsoil & 8601:2013 Subsoil 50/50 % Mix

TREE PIT TYPE 2
MULTI - STEMPLANTING DETAIL

Topsoil & Subsoil should be mixed to 100mm depth to improve drainage from backfill.

Green Blue Urban Root Rain Urban Irrigation System installed around the rootball. Ensure inlet is slightly above ground/bark mulch

Sub soil to base of tree pit to be thoroughly broken up to depth of 200mm prior to planting



50mm Medium grade bark mulch layer

BS 3882:2015 Topsoil (Multi - Purpose Grade) backfill to dimensions 1m x 1m x 300mm

Existing excavated subsoil backfilled to dimensions 1m x 1m x 400mm

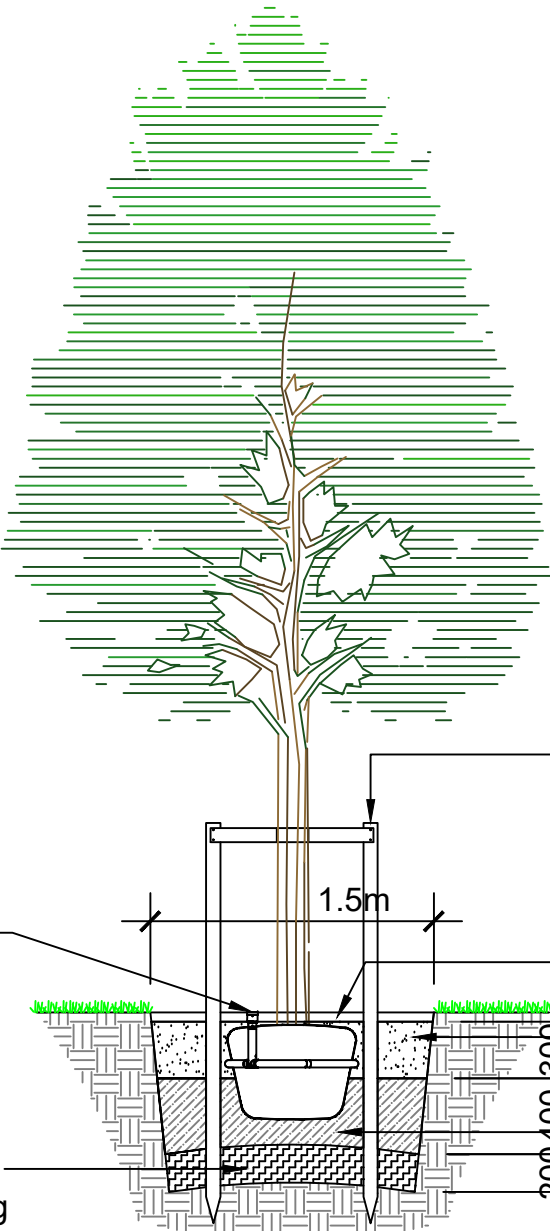
Platipus deadman anchor system or similar approved

TREE PIT TYPE 3
IN SOFT LANDSCAPING

Topsoil & Subsoil should be mixed to 100mm depth to improve drainage from backfill.

Green Blue Urban Root Rain Urban Irrigation System installed around the rootball. Ensure inlet is slightly above ground/bark mulch

Sub soil to base of tree pit to be thoroughly broken up to depth of 200mm prior to planting



Double softwood tanalised tree stakes with half round timber cross bar and suitable rubber block and tie. Stakes to be firmly driven vertically at least 300mm into bottom of pit to either side of the rootball prior to planting

50mm Medium grade bark mulch layer

BS 3882:2015 Topsoil (Multi - Purpose Grade) backfill to dimensions 1.5m x 1.5m x 300mm

Existing excavated subsoil backfilled to dimensions 1.5m x 1.5m x 400mm

TREE PIT TYPE 5
IN PLANTER

Specimen Shrub Planting
Platipus deadman anchor system or similar approved
Shrub Planting
Mona tank inlet pipe
Planter Type 2

MONA TANK MPS LINK 24 Irrigation System

BS 3882:2015 Topsoil (Multi - Purpose Grade)

Paving to engineers specification

100mm Depth Inert Gravel Drainage Layer
MOT Type 3

Bark Mulch Finish 75mm Depth Over Geotextile Membrane

Planters to have Peat-free compost mixed into topsoil & Greentech ICL Sierrablend Flora (11:22:9) Controlled release fertilizer is to be incorporated into the top 200mm depth of topsoil.

Additional Root Cells 6m³

Planting Bed Area 11.5m² - Soil Volume 12m³

Tree Pit Type 8A
Total Soil Volume 18m³
Scale 1:100

Additional Rooting Cells Volume 6m³

Planting Bed Area 12m² - Soil Volume 12.6m³

Tree Pit Type 8B
Total Soil Volume 18.6m³
Scale 1:100

Additional Rooting Cells Volume 6m³

Planting Bed Area 12m² - Soil Volume 12.6m³

Tree Pit Type 8B
Total Soil Volume 18.6m³
Scale 1:100

Additional Rooting Cells Volume 6m³

Planting Bed Area 12m² - Soil Volume 12.6m³

TREE PIT TYPE 4
IN SOFT LANDSCAPING

Topsoil & Subsoil should be mixed to 100mm depth to improve drainage from backfill.

Double softwood tanalised tree stakes with half round timber cross bar and suitable rubber block and tie. Stakes to be firmly driven vertically at least 300mm into bottom of pit to either side of the rootball prior to planting

Green Blue Urban Root Rain Urban Irrigation System installed around the rootball. Ensure inlet is flush with or slightly above ground

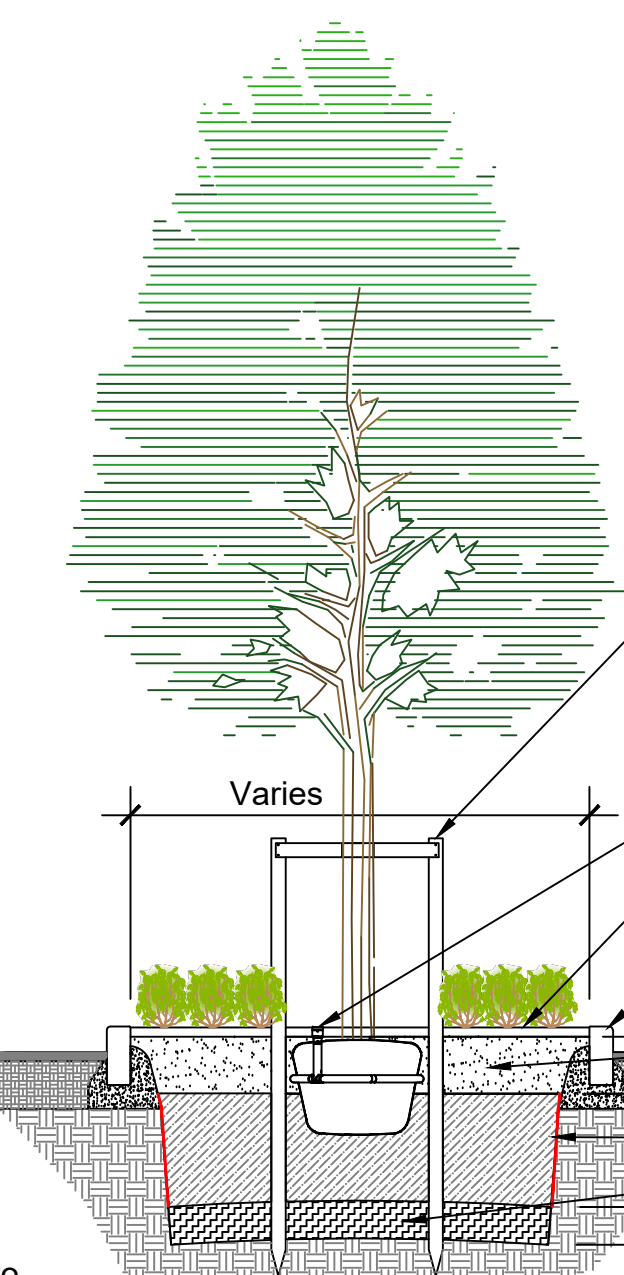
50mm Medium grade bark mulch layer
Concrete Kerb see engineers detail

Road see engineers detail

BS 3882:2015 Topsoil (Multi - Purpose Grade) backfill 300mm Depth

Reroot 600mm depth root barrier

Sub soil to base of tree pit to be thoroughly broken up to depth of 200mm prior to planting



NOTE: SEE DRAWING
EML PEL 1143 01&02 FOR TREE PIT LOCATIONS

Rev:	Comments:	Date:
PL8	Additional Tree Pit For Parking Area	03.02.22
PL7	Tree pit rooting volume alterations	25.01.22
PL6	Changed tree planter specification	06.12.21
PL5	Added tree planter specification	22.11.21
PL4	Added tree transplant specification	18.11.21
PL3	Changed to new layout requirements	08.10.21
PL2	Changed to LPA comments	25.03.21
PL1	Changed to architects latest layout	16.03.21

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Landscape Design, Management & Consultancy

Title: Tree Pit Details
Sheet 3 of 5

Client: Pellikaan Construction Ltd

Project: Reading DBOM
Palmer Park Sport Centre

DWG No. EML PEL 1143 03

Status:	FOR PLANNING	Date:	16.03.2021
Drawn:	JG	Revision:	PL8
Checked:	JK	Scale:	NTS @ A1

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