

Scale 1:20



Health & Safety Comments

No specific comments

General Notes

PRELIMINARY drawing only, not suitable for Planning, Tender or Construction purposes.

Do not scale from this drawing. Landscape Architect to be notified of any discrepancies in figured dimensions. Contractor must check all dimensions on site.

All structural elements to be designed and specified by Structural Engineer. Any details provided here are illustrative of design intent or for information only.

Any waterproofing, backfill and drainage to structural elements to be designed and specified by Structural Engineer. Any details provided here are illustrative of design intent or for information only.

Where top of wall (TOW) levels are given, these are top of landscape finish, not top of structural element.

Any indicative hard landscape level/grade or landscape drainage level/grade provided is for coordination purposes only. Refer to civil engineer for resolved levels.

All waterproofing to structural slabs and upstands to be designed and specified by specialist. Any details provided here are illustrative of design intent only.

Highways layout and finishes to Highways Engineer details. Any details provided here are for information only.

Highways kerbs and edgings to Highways Engineer details. Any details provided here are for information only.

All material hatch patterns shown are illustrative only. Refer to Legend for sizes and laying style.

Where total unit numbers are provided with the legend, this is indicative information and is not to be used for pricing quantities.

Contractor to provide specific cutting schedules for all curved and special wall, coping, edging and kerb elements for approval of the contract administrator. Where panel systems are specified for cladding, specific corner pieces are to be used.

Where surface finishes are installed or reinstated over an existing base buildup, base buildup to be fit for purpose. Recommend core samples taken to verify, any requirement and methodology to Client specification.

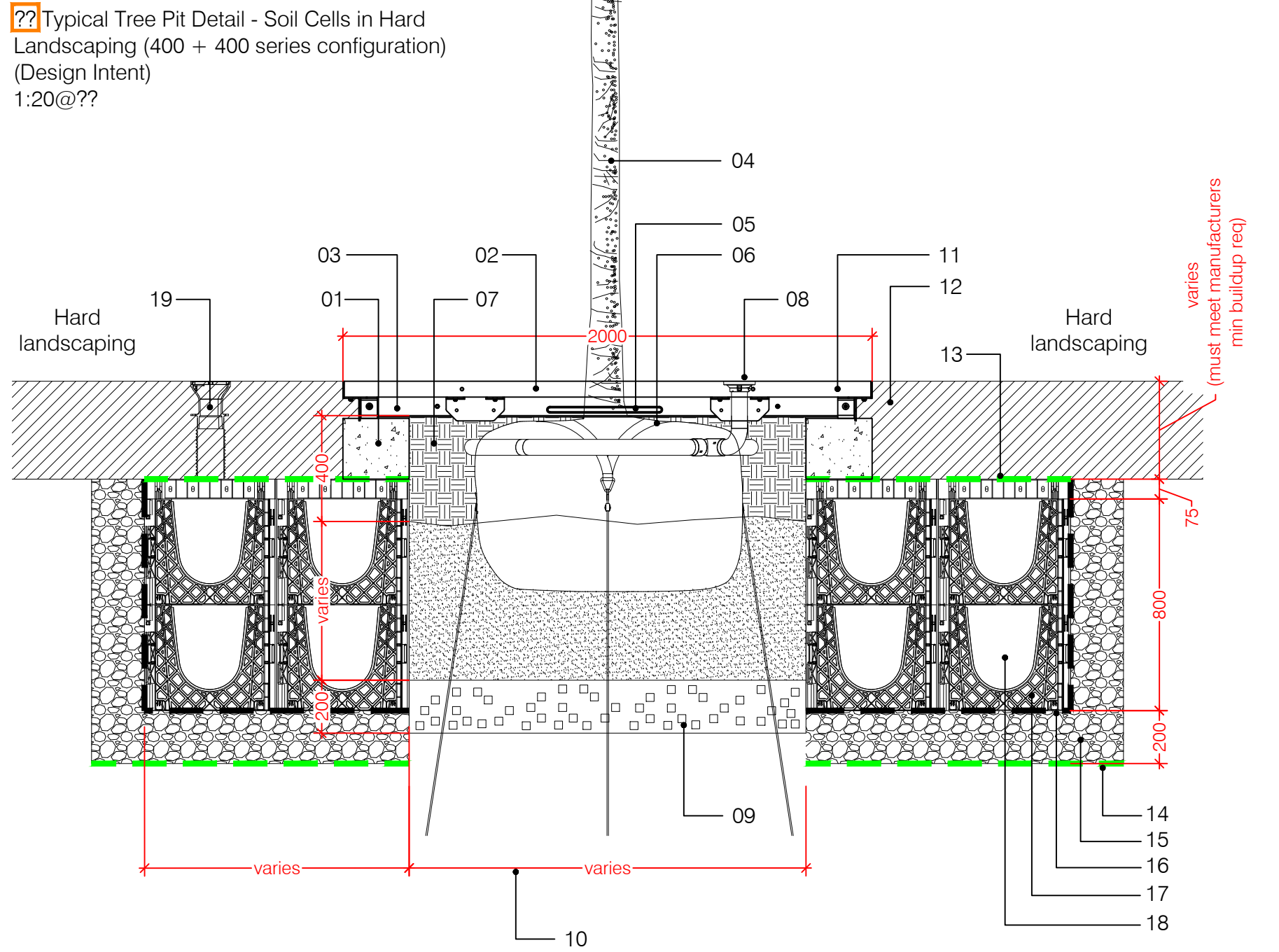
Paving buildup and levels are based upon pedestrian use only. No vehicular access is reportedly required (maintenance or emergency). Should this requirement change Contract Administrator to be notified.

All manholes, draw pits and meter covers to be recessed and orientated to ensure they follow the direction of adjacent paving/joints. Continue paving orientation and pattern within recessed covers. All manholes, draw pits and meter covers to sit within either one hard material or soft landscaping, not to straddle surface types. Contract Administrator to be notified of any discrepancies.

All services are to be clear of tree pits unless stated. Should services be found within close proximity of a tree pit Contract Administrator to be notified.

All works within root protection areas (RPA) of existing trees is to be to an arboriculturist's methodology and completed under a watching brief.

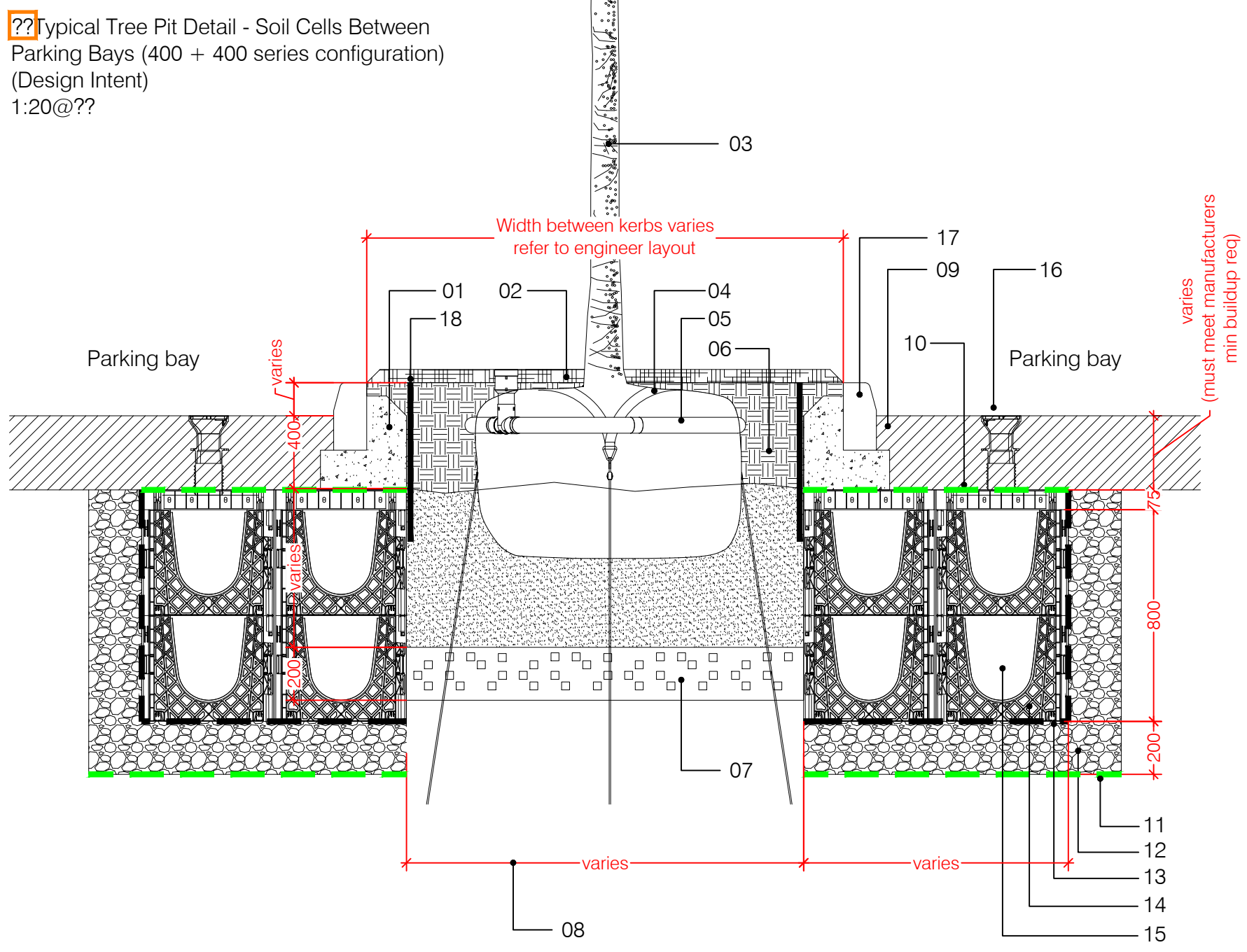
Any RWO surface access required to be coordinated.



Detail Key: ??

- Footing to engineer detail.
- Precast Tree Grille. Installed to manufacturers instructions.
- Tree grille to be fully supported on footings. Footings to be fully supported on soil cells.
- Refer to Planting Plan for tree species and size.
- Automated collar drip feed irrigation may be required. Where needed, sizing, connections and specification to irrigation specialist details.
- ArborGuy and Drive-in Anchor strapped ground anchor system. Sized to manufacturers instructions (for tree sizes refer to Planting Plan).
- Growing medium within tree pit. Refer to Planting Plan Tree Pit Notes.
- Integrated tree grille irrigation outlet. RoofRain Civic/Metro manual irrigation system. Sized to manufacturers instructions (for tree sizes refer to Planting Plan).
- Base of tree pit broken up to min 200mm and free draining.
- Tree pit size varies. Refer to Planting Plan Tree Pit Notes.
- Tree grille infilled with **Arbocren Britany Bronze/Silver Grey/Dorset Gold/Red Granite colour**.
- Hard Landscape type varies, refer to Hard Landscape Plan. Paving buildups to Engineer details. Buildups over soil cells to meet manufacturers minimum requirements.
- Twirell Geonot laid over RootSpace soil cells.
- Additional twirell Geonot to be installed where sub-base is installed below 3% CBR - minimum 2%. Any sub-base requirements to engineer detail.
- Drainage layer to base of RootSpace soil cells, minimum 200mm. To engineer detail.
- GN20 plastic open reinforced mesh, 20mm aperture laid below and around sides of RootSpace soil cells.
- Upper RootSpace soil cells to be filled with RootSoil20. Lower RootSpace soil cells to be filled with RootSoil20 Sub.
- Upper RootSpace soil cells to be filled with RootSoil20. Lower RootSpace soil cells to be filled with RootSoil20 Sub.
- Arborvent inlet aeration system with cast inlets fitted to RootSpace Airflow inlet. Installed to manufacturers recommendations.
- Arborvent inlet aeration system with cast inlets fitted to RootSpace Airflow inlet. Installed to manufacturers recommendations.

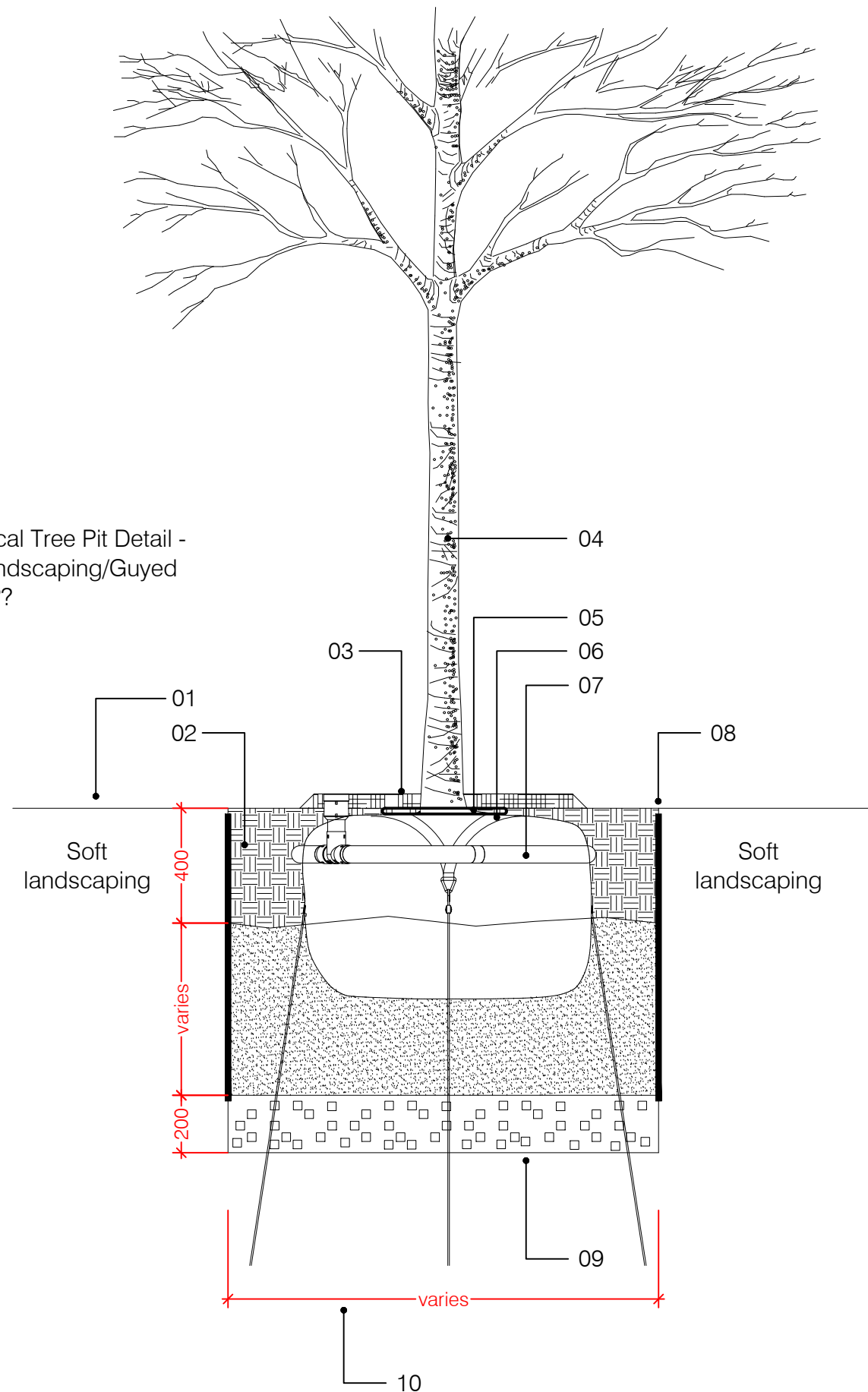
Note: Requirement and number of any Arborvent inlets to be confirmed by manufacturer. ArborGuy and AnchorPlate strapped ground anchor system is to be used for any trees over services, rain gardens, structures or cellular water storage systems. Trees over 40cm girth require 2 no. anchoring kits, refer to manufacturers recommendations. Trees under 20cm girth are to be above ground staked instead. Refer to Planting Plan Staking and Guying Notes. Root barrier may be required where trees are located in close proximity to services. Where services are installed through or in close proximity to soil cells, this is to be to manufacturers recommendations. Engineer to confirm soil cells provide sufficient structural support. Engineer to confirm manufacturers minimum buildup over soil cells can be accommodated. All products to be supplied by GreenBlue Urban or equal approved. All products to be installed strictly in accordance with manufacturers recommendations. Soil crate quantity and exact locations is to specialist detail. This detail is indicative of design intent only.



Detail Key: ??

- Footing to engineer detail.
- Mulched with 50mm depth specified mulch (refer to Planting Plan for specification).
- Refer to Planting Plan for tree species and size.
- ArborGuy and Drive-in Anchor strapped ground anchor system. Sized to manufacturers instructions (for tree sizes refer to Planting Plan).
- RootRain Civic/Metro manual irrigation system. Sized to manufacturers instructions (for tree sizes refer to Planting Plan).
- Growing medium within tree pit. Refer to Planting Plan Tree Pit Notes.
- Base of tree pit broken up to min 200mm and free draining.
- Tree pit size varies. Refer to Planting Plan Tree Pit Notes.
- Hard Landscape type varies, refer to Hard Landscape Plan. Paving buildups to Engineer details. Buildups over soil cells to meet manufacturers minimum requirements.
- Twirell Geonot laid over RootSpace soil cells.
- Additional twirell Geonot to be installed where sub-base is installed below 3% CBR - minimum 2%. Any sub-base requirements to engineer detail.
- Drainage layer to base of RootSpace soil cells, minimum 200mm. To engineer detail.
- GN20 plastic open reinforced mesh, 20mm aperture laid below and around sides of RootSpace soil cells.
- RootSpace soil cells, 400 + 400 series configuration (800mm total height), 75mm Airflow lid installed over. Total width varies, refer to Hard Landscape Plan. Soil volume provided for each tree within soil cells to be 7m³.
- Upper RootSpace soil cells to be filled with RootSoil20. Lower RootSpace soil cells to be filled with RootSoil20 Sub.
- Arborvent 150 inlet aeration system with cast inlets fitted to RootSpace Airflow inlet. Installed to manufacturers recommendations.
- Kerb type and size to engineer detail.
- ReRoot 600 root barrier (see Notes below). Not to be visible above soil level.

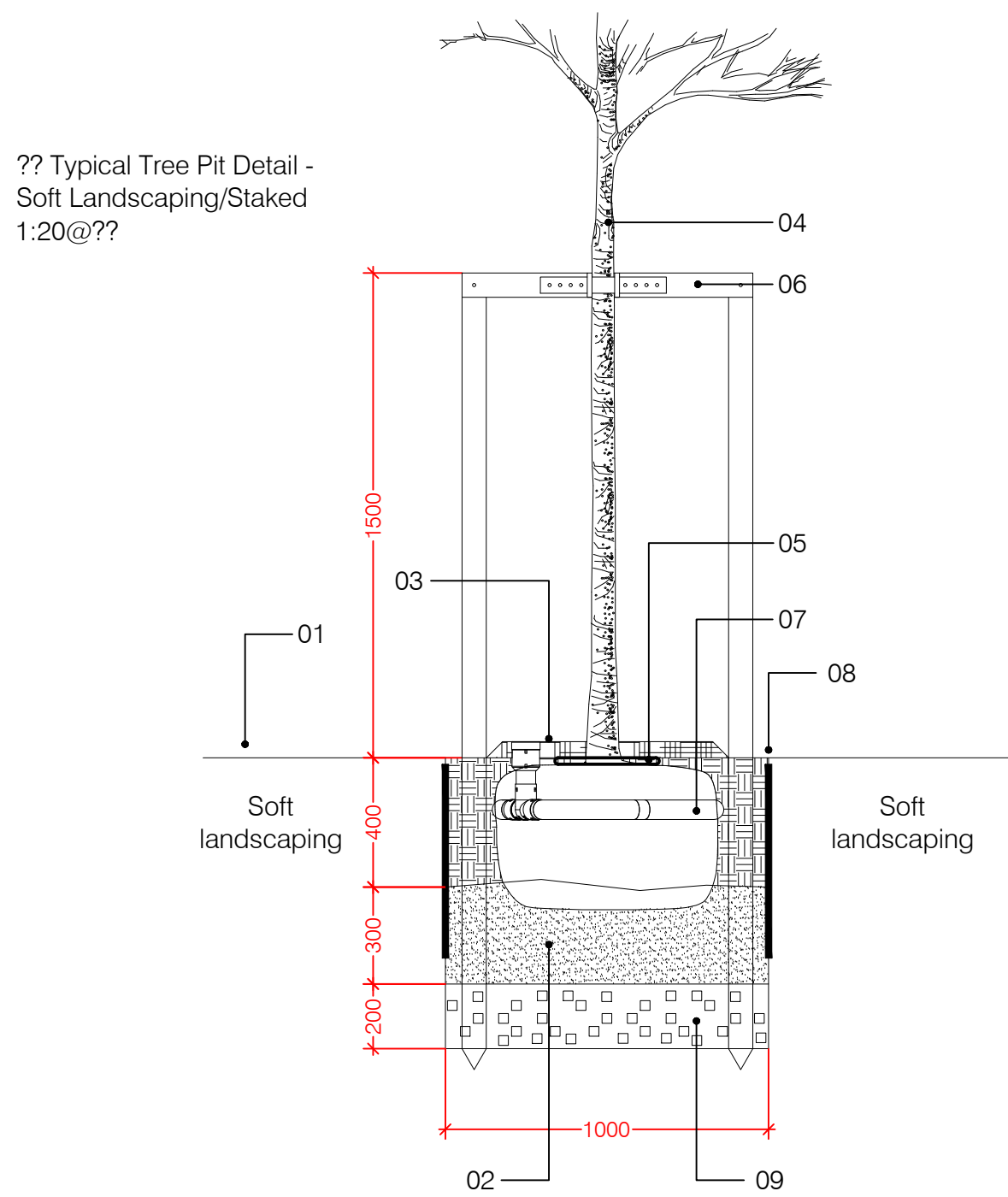
Note: Requirement and number of any Arborvent inlets to be confirmed by manufacturer. ArborGuy and AnchorPlate strapped ground anchor system is to be used for any trees over services, rain gardens, structures or cellular water storage systems. Trees over 40cm girth require 2 no. anchoring kits, refer to manufacturers recommendations. Trees under 20cm girth are to be above ground staked instead. Refer to Planting Plan Staking and Guying Notes. Root barrier only required where trees are located in close proximity to services or where engineer requires against hard surfaces. Where services are installed through or in close proximity to soil cells, this is to be to manufacturers recommendations. Engineer to confirm soil cells provide sufficient structural support. Engineer to confirm manufacturers minimum buildup over soil cells can be accommodated. All products to be supplied by GreenBlue Urban or equal approved. All products to be installed strictly in accordance with manufacturers recommendations. Soil crate quantity and exact locations is to specialist detail. This detail is indicative of design intent only.



Detail Key: ??

- Adjacent soft landscaping. Refer to Planting Plan.
- Growing medium within tree pit. Refer to Planting Plan Tree Pit Notes.
- Weed free circle around base of tree, mulched with 50mm depth specified mulch (within lawn areas only).
- Refer to Planting Plan for tree species and size.
- Automated collar drip feed irrigation may be required. Where needed, sizing, connections and specification to irrigation specialist details.
- Tree stakes, 2 no. per tree, machine rounded, pointed, 2400 x 75mm. Additional timber cross bar required, 900 x 38 x 75mm. Tree stakes to finish 1500mm above ground, cross beam secured to stakes with sheradised screws. Tree secured to cross beam with Toms Big Block (L3) and 25mm special reinforced rubber belt. Supplied by Toms Tree Tie or equal approved.
- RootRain Civic/Metro manual irrigation system. Sized to manufacturers instructions (for tree sizes refer to Planting Plan).
- ReRoot 1000 root barrier (see Notes below). Not to be visible above soil level.
- Base of tree pit broken up to min 200mm and free draining.
- Tree pit size varies. Refer to Planting Plan Tree Pit Notes.

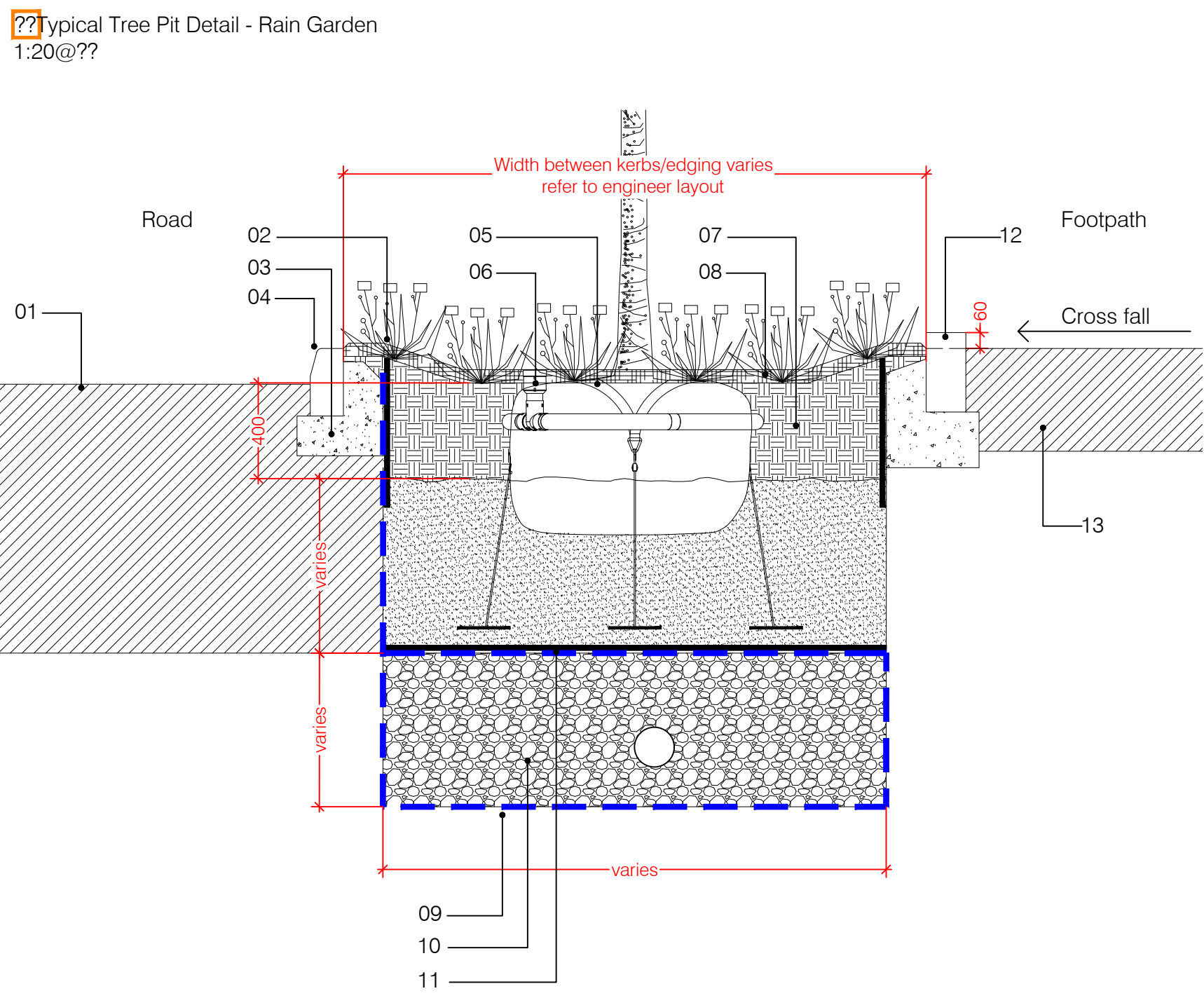
Note: ArborGuy and AnchorPlate strapped ground anchor system is to be used for any trees over services, rain gardens, structures or podium decks. Trees over 40cm girth require 2 no. anchoring kits, refer to manufacturers recommendations. Trees under 20cm girth are to be above ground staked instead. Refer to Planting Plan Staking and Guying Notes. Root barrier only required where trees may be located in close proximity to services. All products to be supplied by GreenBlue Urban or equal approved. All products to be installed strictly in accordance with manufacturers recommendations.



Detail Key: ??

- Adjacent soft landscaping. Refer to Planting Plan.
- Growing medium within tree pit. Refer to Planting Plan Tree Pit Notes.
- Weed free circle around base of tree, mulched with 50mm depth specified mulch (within lawn areas only).
- Refer to Planting Plan for tree species and size.
- Automated collar drip feed irrigation may be required. Where needed, sizing, connections and specification to irrigation specialist details.
- Tree stakes, 2 no. per tree, machine rounded, pointed, 2400 x 75mm. Additional timber cross bar required, 900 x 38 x 75mm. Tree stakes to finish 1500mm above ground, cross beam secured to stakes with sheradised screws. Tree secured to cross beam with Toms Big Block (L3) and 25mm special reinforced rubber belt. Supplied by Toms Tree Tie or equal approved.
- RootRain Civic/Metro manual irrigation system. Sized to manufacturers instructions (for tree sizes refer to Planting Plan).
- ReRoot 600 root barrier (see Notes below). Not to be visible above soil level.
- Base of tree pit broken up to min 200mm and free draining.

Note: ArborGuy and AnchorPlate strapped ground anchor system is to be used for any trees over services, rain gardens, structures or podium decks. Trees over 40cm girth require 2 no. anchoring kits, refer to manufacturers recommendations. Trees under 20cm girth are to be underground guyed instead. Refer to Planting Plan Staking and Guying Notes. Root barrier only required where trees may be located in close proximity to services. All products to be supplied by GreenBlue Urban or equal approved. All products to be installed strictly in accordance with manufacturers recommendations.



Detail Key: ??

- Road to engineers detail.
- ReRoot 600 root barrier (see Notes below). Not to be visible above soil level.
- Footing to engineer detail.
- Kerb type and size to engineer detail.
- ArborGuy and AnchorPlate strapped ground anchor system. Sized to manufacturers instructions (for tree sizes refer to Planting Plan).
- RootRain Civic/Metro manual irrigation system. Sized to manufacturers instructions (for tree sizes refer to Planting Plan).
- Growing medium within tree pit. Refer to Planting Plan Tree Pit Notes.
- Mulched with 50mm depth specified mulch (refer to Planting Plan for specification).
- Rain garden geotextile to engineers detail.
- Rain garden drainage layer to engineers detail.
- Permeable CuTex root barrier, supplied by PSA or equal approved. Installed to manufacturers recommendations.
- Knowledgeing to have 'dog tooth' arrangement to rear of bed only to allow surface run off into the rain garden, 60mm upstand down to 0mm, refer to Kerb/Edging 'Dog Tooth' Arrangement Typical Elevation.
- Footpath to engineers detail.

Note: ArborGuy and AnchorPlate strapped ground anchor system is to be used for any trees over services, rain gardens, structures or cellular water storage systems. Trees over 40cm girth require 2 no. anchoring kits, refer to manufacturers recommendations. Trees under 20cm girth are to be above ground staked instead. Refer to Planting Plan Staking and Guying Notes. Root barrier only required where trees are located in close proximity to services or where engineer requires against hard surfaces. All products to be supplied by GreenBlue Urban or equal approved. All products to be installed strictly in accordance with manufacturers recommendations.

