

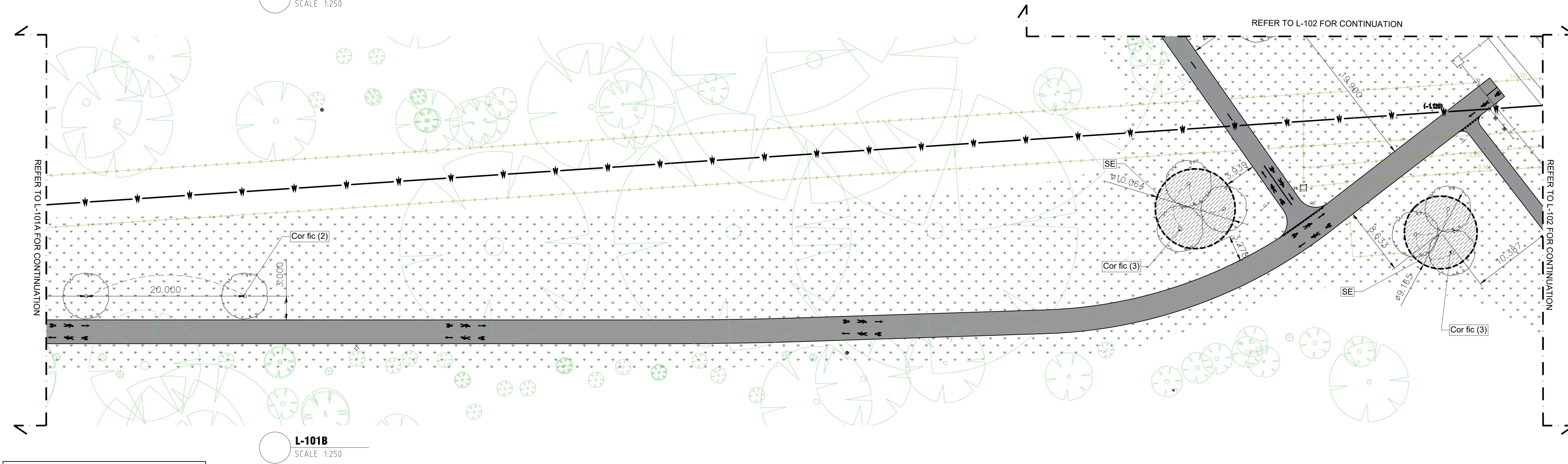
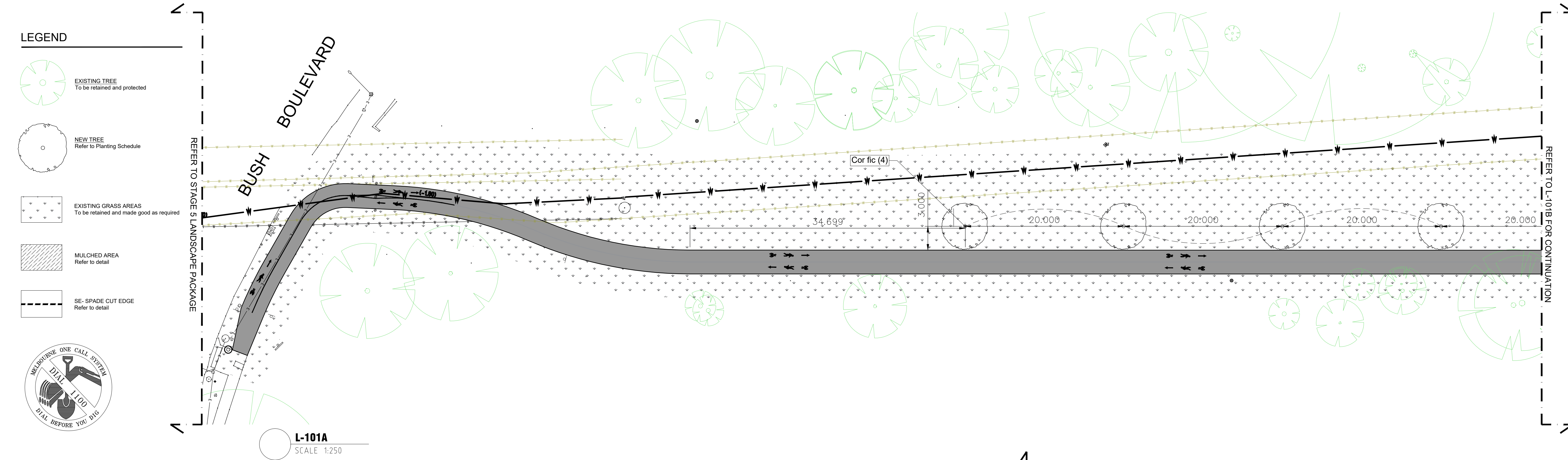


CITY OF WHITTLESEA

YAN YEAN PIPE TRACK, MILL PARK - SHARED PATH BUSH BOULEVARD TO MCDONALDS ROAD - STAGE 6

LANDSCAPE WORKS TENDER ISSUE 01

| Number | Title | Scale | Issue No. |
|--|-------------------------------------|----------|-----------|
| L-000 | DRAWING COVER SHEET / DRAWING INDEX | NA | 1 |
| 100 SERIES - SET-OUT PLANS & ELEVATIONS | | | |
| L-101-102 | SET-OUT & PLANTING PLANS | As Shown | 1 |
| 140 SERIES - DETAILS & SPECIFICATIONS | | | |
| L-141 | DETAILS 01 & PLANTING SCHEDULE | As Shown | 1 |
| L-142 | SPECIFICATION NOTES | As Shown | 1 |



BEWARE OF UNDERGROUND SERVICES

THE LOCATION OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL SERVICES ARE SHOWN. THE CONTRACTOR MUST VERIFY ALL SERVICES ON SITE PRIOR TO ANY EXCAVATION WORKS.

DESIGN TABLE

LANDSCAPE ARCHITECTURE & URBAN DESIGN

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ACN 628346789

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CLIENT

City of Whittlesea

PROJECT

YAN YEAN PIPE TRACK STAGE 6 LANDSCAPE PACKAGE

TITLE

LANDSCAPE PLAN

STATUS

APPROVAL

L - 101

PM: BU

DESIGNED: BU

CHECKED: BU

AUTHORISED: BU

CLIENT REF: WCC_01/20

SHEET No. 2 OF 5

REV. P

NOTES:

LANDSCAPE WORK INFORMATION

1. Prior to commencement of any landscape works, please contact [insert name, landscape superintendent for the City of Whittlesea insert number]. [insert name] will conduct pre-commencement meetings, scheduled inspections of landscape works at hold points in accordance with this contract, practical completion inspection and final handover inspection.

2. The Contractor must verify all services on site prior to all excavation works.

3. All dimensions are in millimetres unless otherwise noted.

4. Do not scale from this drawing.

5. Verify all dimensions on site prior to construction.

REVISION

DESCRIPTION

APPROVED BY

DATE

P

Preliminary For Approval

BU

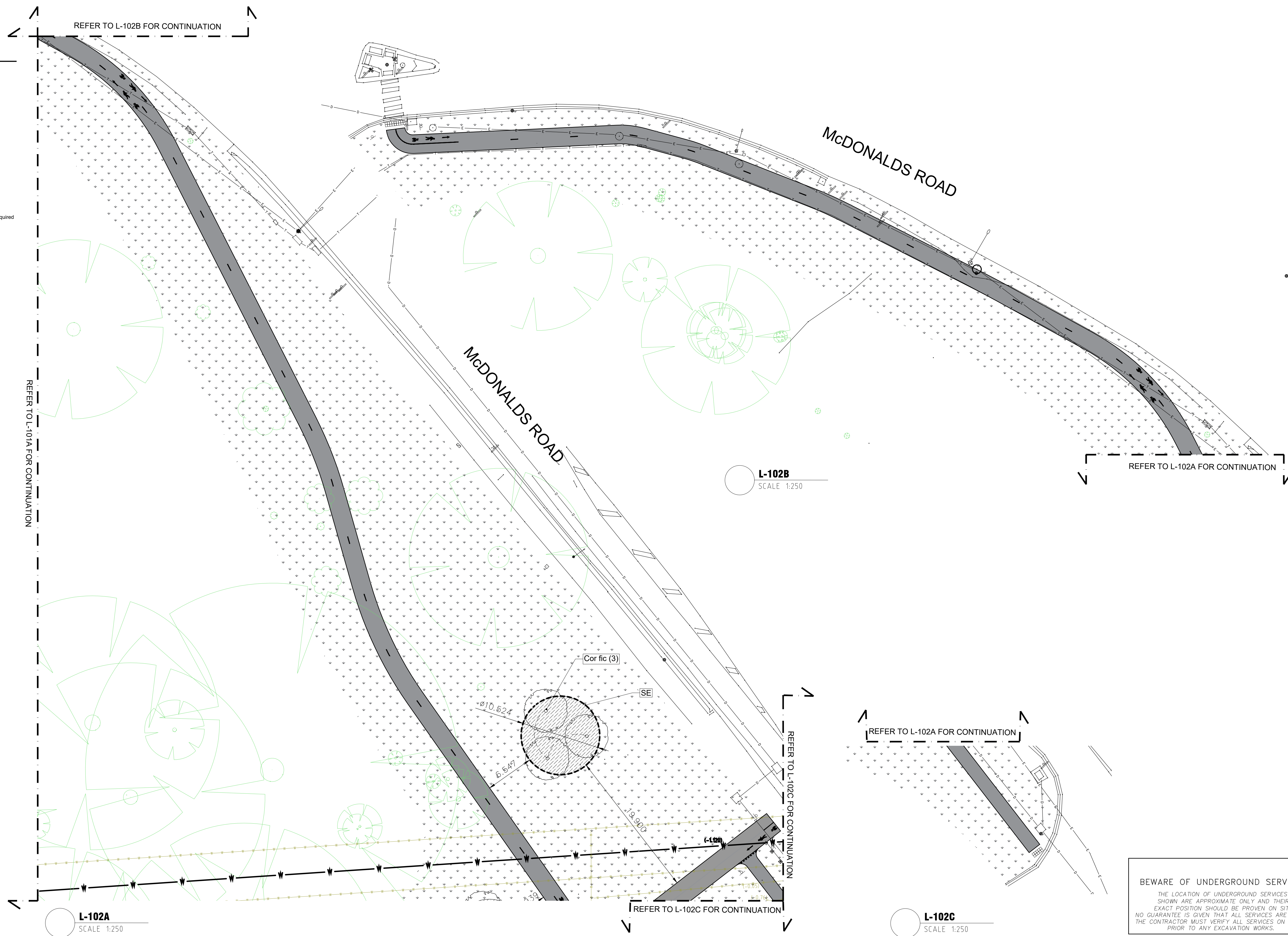
24/09/2024

North

SCALE 1:250 @ A1



The diagram illustrates four types of landscape features that should be retained and their respective management instructions:

- EXISTING TREE**: Represented by a green outline of a tree with a central circle and radiating lines. Instruction: To be retained and protected.
- NEW TREE**: Represented by a green outline of a tree with a central circle and radiating lines. Instruction: Refer to Planting Schedule.
- EXISTING GRASS AREAS**: Represented by a rectangular area with a grid of small circles. Instruction: To be retained and made good as required.
- MULCHED AREA**: Represented by a rectangular area with diagonal hatching. Instruction: Refer to detail.

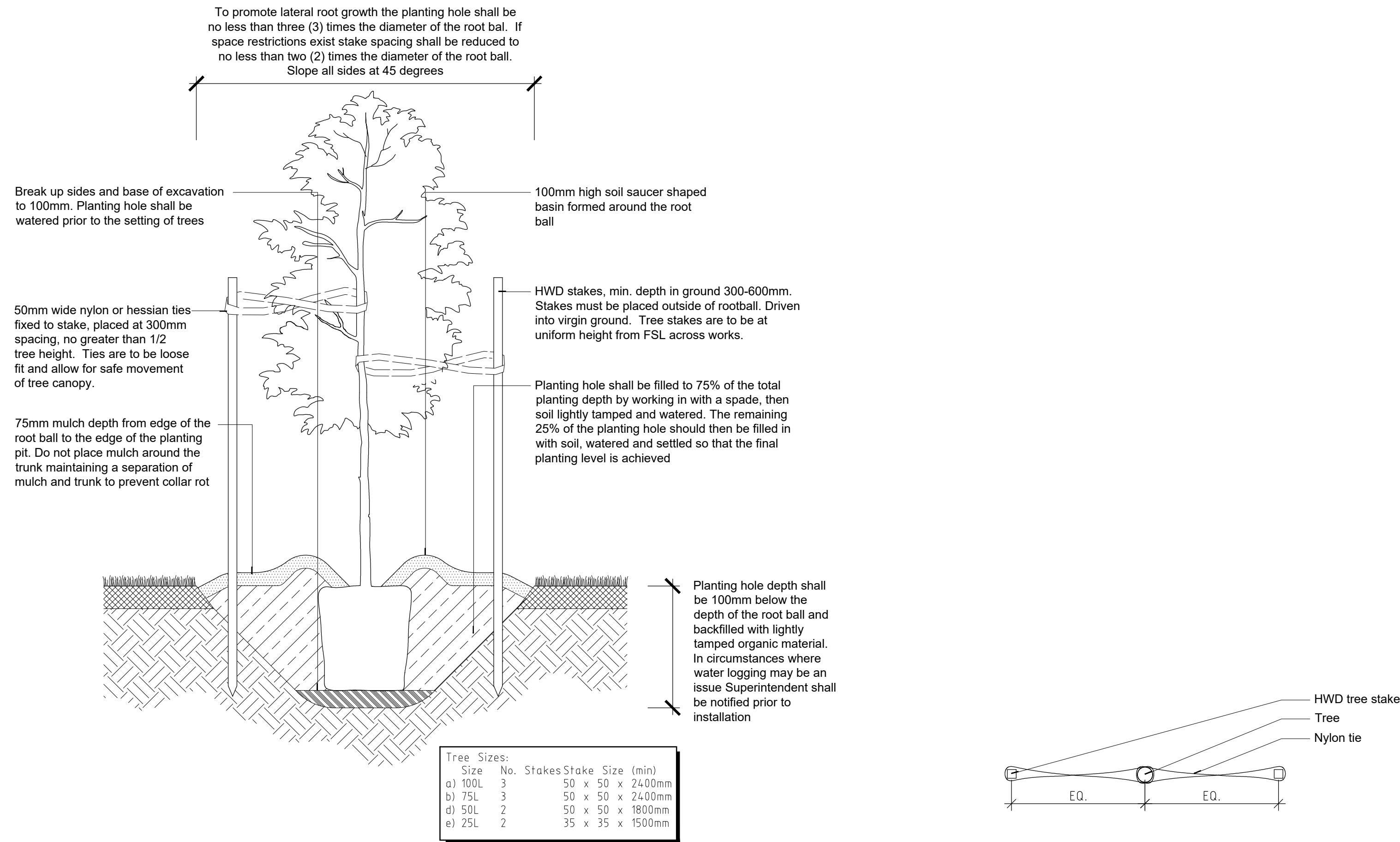


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| | | | | | | | |
|---|--|---|---|---|--|-----------------------------------|--|
| DESIGN TABLE LANDSCAPE ARCHITECTURE & URBAN DESIGN benjamin@designtable.com.au 04 92363639 www.designtable.com.au ACN 628366789 AEN 17 628 346 789 | CLIENT  City of Whittlesea | PROJECT YAN YEAN PIPE TRACK STAGE 6 LANDSCAPE PACKAGE | PM: BU DESIGNED: BU CHECKED: BU | NOTES: LANDSCAPE WORK INFORMATION 1. Prior to commencement of any landscape works, please contact [Insert name, landscape superintendent for the City of Whittlesea insert number]. [Insert name] will conduct pre-commencement meetings, scheduled inspections of landscape works at hold points in accordance with this contract, practical completion inspection and final handover inspection. 2. The Contractor must verify all services on site prior to all excavation works. 3. All dimensions are in millimetres unless otherwise noted. 4. Do not scale from this drawing. 5. Verify all dimensions on site prior to construction. | REVISION DESCRIPTION P Preliminary For Approval | APPROVED BY DATE BU 24/09/2024 |  North SCALE 1:250 @ A1 |
| | | TITLE LANDSCAPE PLAN | AUTHORISED: BU CLIENT REF: WCC-01/20 | | | | |
| | | STATUS APPROVAL L - 101 | SHEET No. 1 3 OF 5 REV 1 P 5 | | | | |
| | | | | | | | |

- NOTES:
- 1) Trees shall have a well developed taper and be self supporting
 - 2) Trees shall be of good health and vigor
 - 3) Ensure all labels, wires, twine and other binding materials are removed from planting material, including root balls prior to backfilling.
 - 4) Water immediately following planting, saucer to be filled twice.
 - 5) Site to be left clean and tidy on completion of planting, remove weeds and building spoil from tree planting zone.
 - 6) Any variations to this detail to be submitted for approval prior to any planting.

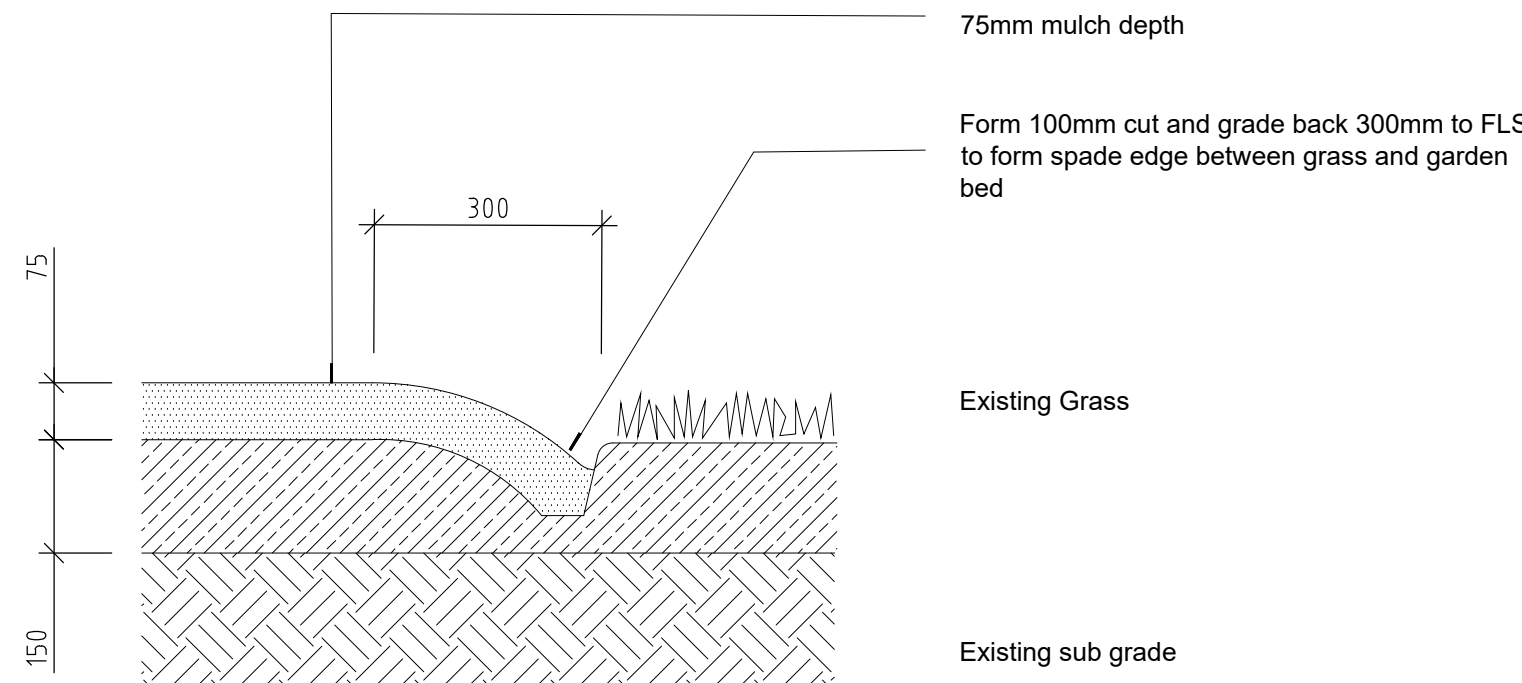
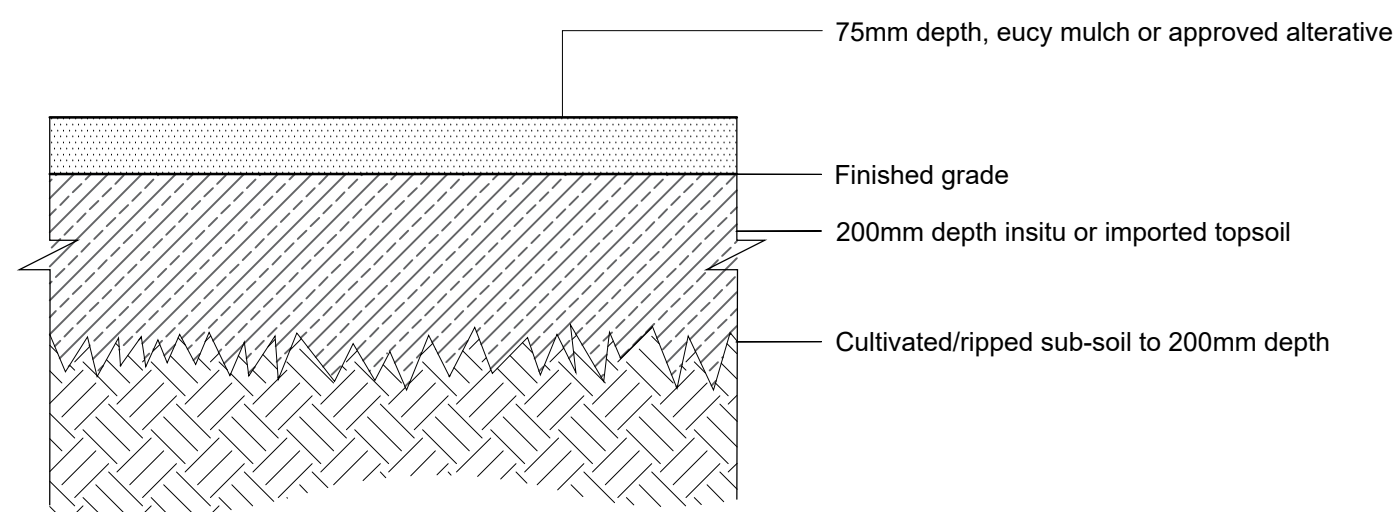
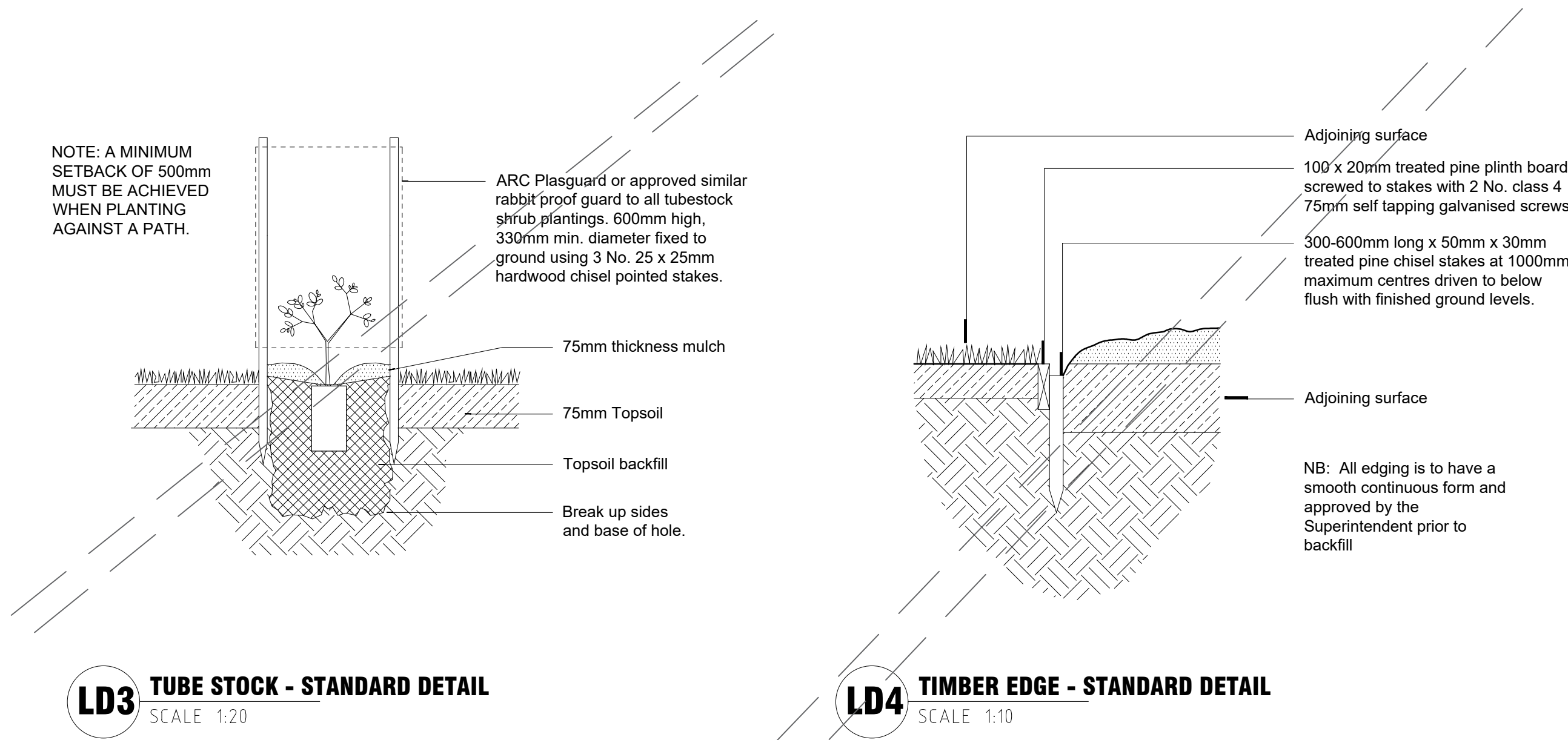


LD1 ADVANCED TREE - STANDARD DETAIL

SCALE 1:20

LD2 TWO TIE STAKE ARRANGEMENT

SCALE 1:20



PLANT SCHEDULE

| SYM | BOTANICAL NAME | COMMON NAME | SPACING | HEIGHT X WIDTH AT MATURITY | MIN SUPPLY SIZE | QTY |
|---------|--------------------|-------------------|----------|----------------------------|-----------------|-----|
| TREES | | | | | | |
| Cor fic | Corymbia ficifolia | Red Flowering Gum | as shown | 7 x 5m | 50L | 15 |
| TOTAL | | | | | | 15 |
| TOTAL | | | | | | 15 |

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CLIENT



PROJECT

YAN YEAN PIPE TRACK STAGE 6
LANDSCAPE PACKAGE

TITLE

LANDSCAPE DETAILS

STATUS APPROVAL

L - 141

PM: BU

DESIGNED: BU

CHECKED: BU

AUTHORISED: BU

CLIENT REF: WCC_01/20

SHEET NO. 4 OF 5

REV. P

NOTES:

- LANDSCAPE WORK INFORMATION
1. Prior to commencement of any landscape works, please contact [Insert name, landscape superintendent for the City of Whittlesea insert number]
 2. [Insert name] will conduct pre-commencement meetings, scheduled inspections of landscape works at all points in accordance with this contract, practical completion inspection and final handover inspection.
 3. The Contractor must verify all services on site prior to all excavation works.
 4. All dimensions are in millimetres unless otherwise noted.
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REVISION DESCRIPTION

P Preliminary For Approval

APPROVED BY DATE

BU 24/09/2024

SCALE AS SHOWN

LANDSCAPE SPECIFICATION NOTES

2 SOFTSCAPE WORKS

2.1 GENERAL

The Contractor is to inform Superintendent of any proposed changes to Garden Bed Preparation and obtain written approval for any changes.

The contractor shall notify the Superintendent if the garden bed sub grade levels are inconsistent, uneven, or unsatisfactory to allow the placement of garden bed topsoil without undertaken earthworks beyond minor trimming and grading that can be undertaken with a shovel.

All garden beds are to be finished 50mm below adjacent paving levels unless specifically noted.

2.2 STANDARDS

| | |
|---|---|
| Standards | |
| AS 1289 | Methods of Testing Soils for Superintendents Purposes |
| AS 3798 - 1990 | Guidelines on Earthworks for Commercial and Residential Development |
| AS / NZS 4419 | Soils for landscaping and garden use |
| AS / NZS 4454 | Composts, Soils Conditioners and mulches |
| AS 3743 | Potting Mixes |
| AS 4373 | Pruning of Amenity Trees |
| AS/NZS 1554 | Structural steel welding |
| AS 4100 | Structural steel design |
| AS/NZS 4680, AS/NZS 2312.2, AS/NZS 4792 | |

2.3 SAMPLES

Samples are to conform to Clause 2.6

2.4 WATER

If water supply is or is likely to be restricted by emergency legislation / water restrictions, the contractor is to obtain water from a recycled (tankled) source. Where available, the contractor is to apply for and obtain a water restriction dispensation permit.

2.5 GARDEN BEDS

The contractor is to form all sub grades to the levels required below finished levels as determined by surrounding surfaces.

Post excavation, garden beds are to be ripped to a depth of 200mm (min.). An initial 100mm layer of topsoil is to be cultivated into the ripped soil; then a final 100mm layer of approved topsoil installed (if applicable). Notify the Superintendent when the sub grade has been ripped and allow for joint inspection. A follow up inspection is required following cultivation.

2.6 TOPSOIL & SUBSOIL

Mechanically deep cultivate to a minimum depth of 150mm all garden bed areas and 100mm all grass areas prior to the application of gypsum and spreading of topsoil. Do not cultivate within existing tree TPZ without prior approval from the superintendent. Depth of cultivation with the TPZ may require a reduction to avoid damage to any roots.

Accurately locate, prior to commencement of ripping, all in-ground services and ensure that these are not disturbed during cultivation.

Post excavation, if the existing site topsoil is deemed suitable and approved by the landscape architect. Garden beds are to be ripped to a depth of 150mm (min.). An initial 75mm layer of topsoil is to be cultivated into the ripped soil; then a final 75mm layer of approved topsoil installed for garden bed areas. For grass areas an initial 50mm layer of topsoil is to be cultivated into the ripped soil; then a final 50mm layer of approved topsoil installed. Notify the Superintendent when the sub grade has been ripped and allow for joint inspection. A follow up inspection is required following cultivation.

Imported soils are to be 200mm consolidated depth to garden beds of sandy loam, have a neutral pH 6.0-6.5 and be free of noxious weeds and/or heavy infestations of weeds such as the flat leafed varieties, Water Couch, Common Paspalum and Oxalis species. Imported soil is to also be free from Cinnamon Fungus and is not to contain any trade wastes or garbage of any kind. The maximum stone size acceptable is 20mm but the soil will not be accepted if it contains large quantities of such stones.

Contractor is to submit a 0.01m³ sample to the Superintendent for approval, prior to delivery to site. All imported soil used shall comply with the approved sample.

Ensure that the soil is evenly consolidated throughout to approximately 70% modified maximum dry density.

Clean fill for subsoil for use in garden bed areas may then be obtained from the site provided the soil meets the following requirements:

- Free from perennial weeds and their roots, bulbs or rhizomes.
- Free from building rubble, including bricks, concrete, plaster, timber, oil or any other matter deleterious to plant growth.
- Free from rocks or stones greater than 5mm diameter, but in any case, to have less than 5% stone by dry weight.
- pH to be 6.0 - 7.0.
- Texture to be light to medium friable loam.
- Free from Silt Material.
- Non-hydrophobic

The soil shall conform to the following sieve analysis:

| AS Sieve Size (mm) | Percentage (%) Passing by Mass |
|--------------------|--------------------------------|
| 19.0 | 100% |
| 2.35 | 100% |
| 1.18 | 90 – 100% |
| 0.600 | 70 – 80% |
| 0.300 | 45 – 55% |
| 0.150 | 20 – 30% |
| 0.075 | 5 – 15 % |
| 0.002 | 3 – 5 % |

The Contractor is to make allowance for the stockpiled subsoil to be tested prior to spreading. Three (3) samples of the site soil shall be randomly selected from different locations. The samples shall be comprehensively laboratory tested by a nominated agency, for approval by Council, including analysis for *hydraulic conductivity, Water Holding Capacity, % mix of all component elements, pH, salt contents, mineral and nutrient deficiencies*. The laboratory report shall be accompanied with recommendations for amelioration measures required to improve any deficiencies. Laboratory certificates shall accompany the sample soil mix submitted for approval at the commencement of the work. If the site topsoil fails to conform to the above tests, the material may be ameliorated, in accordance with the recommendations of the laboratory report, to reach the necessary standards as identified above. If the material is deemed unsuitable for amelioration, imported topsoil (meeting the above requirements) shall be used in landscape construction. A laboratory certificate shall accompany the imported soil demonstrating the mix is in accordance with the above requirements.

HP: OBTAIN TEST CERTIFICATES AND EVIDENCE OF AMELIORATION MATERIAL DELIVERY DOCKETS. SUBMIT TO COUNCIL PRIOR TO SUBMITTING RELEVANT CLAIM.

During the progress of the works, the Superintendent shall select two further samples of soil mix for analysis, to confirm compliance with the above requirements. In the event that the subsequent tests reveal unacceptable deviations from the approved, tested samples. The Contractor, at his expense, will be responsible for undertaking further amelioration processes.

2.7 MULCH

Mulch for planting areas shall be recycled bush mulch as approved by the Superintendent. 80% of particles shall be in the size range 20-35mm in plan, and 5-10mm in thickness. No particle is to exceed 50mm in plan. Mulch is to thoroughly weathered prior to delivery to site. Mulch is to be free of weed material and seed, debris, foreign matter and contaminants. The Contractor shall supply and spread a minimum 75mm consolidated depth of approved mulch on all mulched garden beds and around all trees as shown on the plans and details, keeping mulch away from plant stems. Mulch shall be spread prior to planting operations. Finished garden bed level must be 50mm below paved surfaces and kerbs unless indicated otherwise on drawings.

Contractor is to submit a 0.01m³ sample to the Superintendent for approval, prior to delivery to site. All mulch used shall comply with the approved sample.

2.8 MAKE GOOD GRASS (Reinstated lawn area)

Supply, install and establish new reinstated seeded lawn areas to new path interfaces, back of curb & areas where existing lawn is disturbed (Make good).

Description: The Contractor shall achieve a minimum 60% coverage of Kikuyu at Practical Completion or prior to Handover. The Contractor shall allow to over sow Kikuyu to areas at rate of 500kg/HA (50gms/m²) where establishment of kikuyu has failed. Over seeding shall occur during the seasons of Spring or Autumn and be timed to ensure minimum coverage of kikuyu is attained by Practical Completion or prior to Handover. The Contractor shall ensure the minimum Seed Purity: 98%, and shall not contain noxious weed seed. The quality and specified properties of all seed shall be analysed and certified by either a NATA (National Association of Testing Authorities) or ISTA (International Seed Testing Authority) laboratory. Labelling of all seed shall comply with the Australian Seed Federation National Code of Practice for Seed Labelling and Marketing. Such certification shall be provided to the Superintendent by the Contractor upon request

| | |
|-------------|---------------|
| Seed Blend: | |
| Rye | 80% by weight |
| Kikuyu | 20% by weight |

3 PLANTING

3.1 GENERAL

Supply and install trees, shrubs and other plants per plant schedule.

All trees, shrubs and other plants and sources of supply are to be subject to inspection and approval of the Superintendent prior to being installed.

All plants are to be true to species and the best of their respective kinds. They are to have a well-developed root system and be free of disease. Care is to be taken to ensure that the roots are not exposed to drying influences of sun, wind or frost.

All stock is to be set plumb and placed to ensure a normal relationship of the crown to soil surfaces. Place stock in the centre of the hole. The removal from the container and positioning of the plant is to be done with the minimum of disturbance to the roots.

All stock is to be planted without root disturbance, the whole backfilled with excavated soil. Soil is to be firmed around the roots to avoid air pockets. A depression is to be made at the base of each plant to act as a water basin.

All stock is to be thoroughly watered immediately after planting. Required amounts are 50 litres per 300mm pot or larger including

all trees, 10 litres per 140mm pot or tubestock. The plants are to be kept moist at all times during the contract period.

Any stock that becomes damaged, dies or is not found to be in a healthy condition during the contract period are to be replaced. Stock replacements are to be of the same kind as specified in the itemised plant list. All stock replacements are to be planted as specified at the Contractor's expense and are to be kept free from disease at all times.

Retain bags or other record of fertiliser used on site for inspection by the Superintendent

4 STEEL WORK N/A

5 ESTABLISHMENT/ MAINTENANCE

5.1 GENERAL

Council expectation is for the contractor to maintain all vegetation over the life of the contract. Council will not except replacement stock 2 month (8 weeks) prior to Final Completion unless approved by the Superintendent.

Products including but not limited to fertiliser, insecticide, herbicide, MSDS and product label are to be submitted to the Superintendent prior to commencement of maintenance period. Council expects contractor to produce all records upon request at site visit.

5.2 GENERALLY

Care for the landscaping works during a Maintenance Period of 52 weeks. Landscaping is to be considered complete when planting areas show healthy vigorous growth.

The scope of maintenance includes the newly constructed works, together with the existing parts of the reserve to be retained, including but not necessarily limited to trees and grass areas.

5.3 MAINTENANCE SCHEDULE

Contractor is to provide proposed maintenance schedule based on parameters as shown in the maintenance table prior to practical completion meeting.

5.4 MAINTENANCE REPORT

Maintenance report to be submitted electronically per visit. This will be benchmarked against progress claims.

Contractor to supply sample maintenance report as part of tender submission.

5.5 ENVIRONMENTAL MANAGEMENT

Refer to the relevant authorities Environmental Management Plan requirements and ensure the mitigation and waste management processes to counter any environmental impacts are established and in place. Specific environmental management procedures for Establishment Maintenance refer to the use of spray herbicides. The Contractor is to inform Superintendent of any proposed changes to Establishment Maintenance and obtain written approval for any changes.

5.6 REQUIREMENTS OF AUTHORITIES

There are no specific requirements of authorities for Establishment Maintenance.

5.7 REQUIREMENTS

Establishment includes the care of the landscaping by accepted horticultural practices, watering, fertilising, cultivation, aerating, weeding, pest and disease control, staking, pruning, replacement, re-planting, and keeping the site neat and tidy.

Defects to the landscaping during the maintenance period are to be rectified within 14 days. Mulched surfaces are to be kept clean and tidy, and reinstated or topped up where required to maintain the minimum depth. Soil erosion or subsidence of imported topsoil for garden bed preparation is to be made good. Report to Superintendent any subsidence of sub-garden bed subsidence in works by others.

5.8 INSECTICIDE/ HERBICIDE SPRAYING

Contractor to have written confirmation from Superintendent prior to undertaking any spraying.


Insecticide - Spray against insect and fungus infestation in accordance with the product information as required, or if directed. Notify the Superintendent of any occurrence of insect attack or evidence of disease.
Herbicide - Spray weeds no greater than 200mm in accordance with product information as required, or if directed.

5.9 WATERING

Grass and garden bed areas are to be watered regularly throughout the establishment period to ensure continuous healthy growth. New plantings are to receive regular and frequent deep soaking to ensure establishment and healthy growth. Exceptions can be made within the ephemeral planting areas, dependant on the amount of collected water at the time. Contractor is to seek confirmation from the superintendent prior to commencing watering if the contractor feels it unnecessary. In this case the contractor is to provide a rate in order to credit the client.

MAINTENANCE TABLE

| Item | Maintenance Level/ Expectation | Occurrence |
|------------------------------------|--|--|
| Inspections | <ul style="list-style-type: none">To be organised by the contractor with the Superintendent | Minimum 12 (monthly) inspections over duration of maintenance period. Further meetings subject to an as needed basis. |
| Herbicide (General) | <ul style="list-style-type: none">General – spraying of weeds as required per visitWeeds greater than 200mm are to be removed by handSpray records to be produced once scheduled spraying has occurred.Contractor to avoid spray driftNo spraying of edges with Glyphosate unless approved by Superintendent | As per visit. Spray records to be submitted upon completion. |
| Herbicide (Lawn Areas - selective) | <ul style="list-style-type: none">Spray records to be produced once scheduled spraying has occurredContractor to avoid spray driftNo spraying of edges with Glyphosate unless approved by Superintendent | Two applications during growing periods. Spray records to be submitted upon completion |
| Insecticide Spraying | <ul style="list-style-type: none">Spray records to be produced once scheduled spraying has occurredContractor to avoid spray drift | Two applications during growing periods. Spray records to be submitted upon completion |
| Watering (Tree and Garden Beds) | <ul style="list-style-type: none">Ensure trees and plants are watered as per occurrence during the establishment periodGarden Beds areas to be watered regularly during establishment period | Weekly from Nov to March, Fortnightly March to Jun |
| Watering (Turf) | <ul style="list-style-type: none">Grass areas to be watered during establishment period and maintenance period. | Weekly basis from Dec to May More regular watering (daily during establishment) as required during dry periods |
| Pruning | <ul style="list-style-type: none">Ensure plants are pruned in order to promote healthy growth.Damaged limbs to be removed off site. | 2-3 months During growing season |

| | | | | | | | | | |
|--|--|---|--------|-----------------------|--|----------------------|--------------------------|------------------|------------|
| <div>DESIGN TABLE</div> <div>LANDSCAPE ARCHITECTURE & URBAN DESIGN</div> <div>benjamin@designtable.com.au 04 9203630 www.designtable.com.au ACN 628346789 ABN 77 628 346 789</div> | <div>CLIENT</div> <div></div> | PROJECT | | PM: BU | NOTES: LANDSCAPE WORK INFORMATION 1. Prior to commencement of any landscape works, please contact [insert name, landscape superintendent for the City of Whittlesea insert number] [insert name] will conduct pre-commencement meetings, scheduled inspections of landscape works at hold points in accordance with this contract, practical completion inspection and final handover inspection. 2. The Contractor must verify all services on site prior to all excavation works. 3. All dimensions are in millimetres unless otherwise noted. 4. Do not scale from this drawing. 5. Verify all dimensions on site prior to construction. | REVISION DESCRIPTION | | APPROVED BY DATE | |
| | | YAN YEAN PIPE TRACK STAGE 6 LANDSCAPE PACKAGE | | DESIGNED: BU | | P | Preliminary For Approval | BU | 24/09/2024 |
| | | TITLE | | CHECKED: BU | | | | | |
| | | SPECIFICATION NOTES | | AUTHORISED: BU | | | | | |
| | | STATUS | | CLIENT REF: WCC-01/20 | | | | | |
| | | APPROVAL | | SHEET No. 5 OF 5 | | | | | |
| | | L - 142 | REV. 1 | P | | | | | |