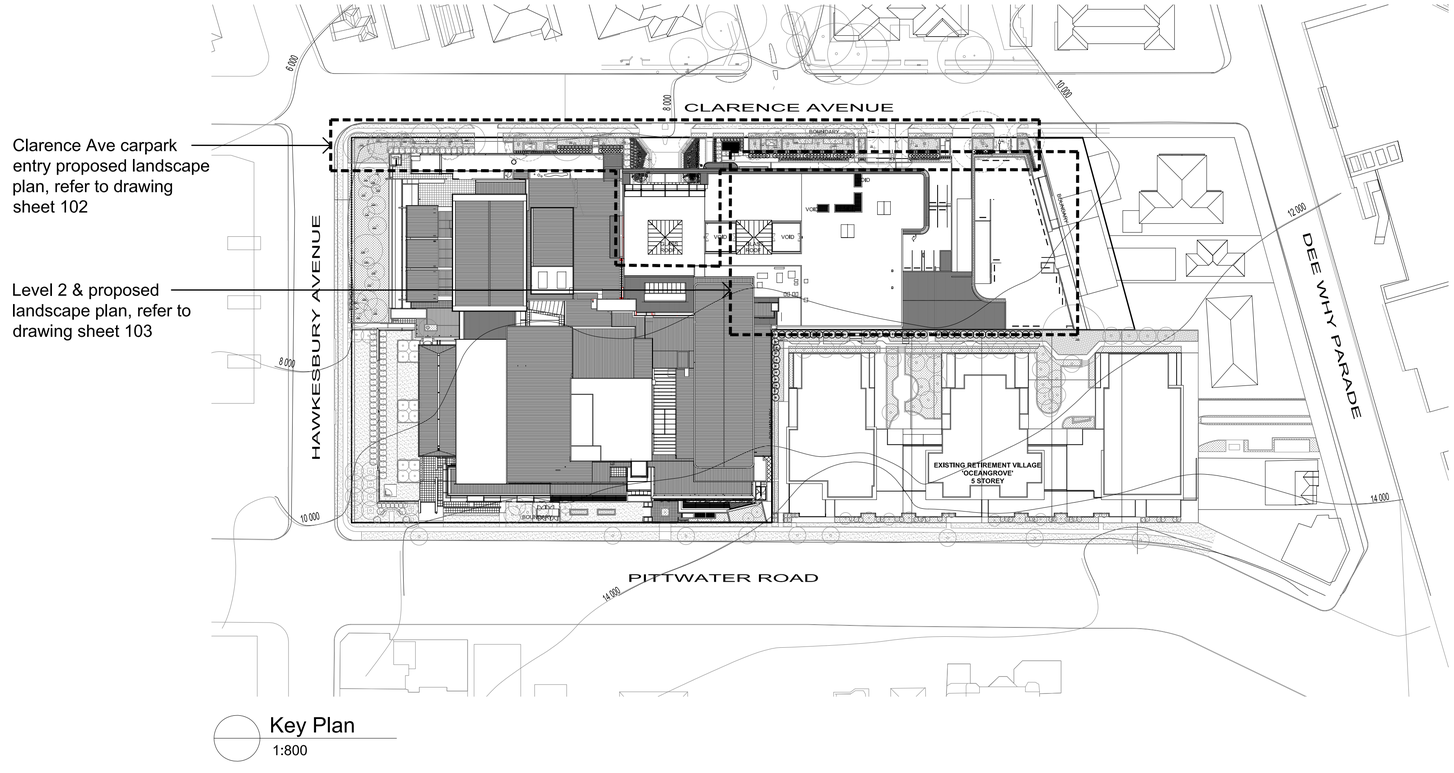
# Dee Why RSL Club
## DEVELOPMENT APPLICATION

**DRAWING SCHEDULE**

| | | |
|---|---|---|
| 000 | Landscape Cover Sheet | |
| C101 | Overall Landscape Plan - Render | 1:400 |
| 101 | Overall Landscape Plan - Existing & Proposed | 1:400 |
| 102 | Proposed Landscape Plan - Level 1 | 1:150 |
| 103 | Proposed Landscape Plan - Level 2 | 1:150 |
| 501 | Landscape Details & Plant Schedule | As Shown |
| 502 | Landscape Specification | As Shown |




Clarence Ave carpark entry proposed landscape plan, refer to drawing sheet 102

Level 2 & proposed landscape plan, refer to drawing sheet 103

Key Plan
1:800

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| Issue | Revision Description | Drawn | Check | Date |
|---|---|---|---|---|
| D | For Section 96 Amendment | PH | RS | 23.02.2018 |
| C | For Section 96 Amendment | PH | RS | 20.11.2017 |
| B | Tender | PH | RS | 05.10.2017 |
| A | For Development Application | NH | RS | 20.03.2017 |

Key Plan:

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Client:
Dee Why RSL Club

Project:
Dee Why RSL Club
- Stage 5 Extension

Drawing Name:
Cover Sheet

For Section 96 Amendment

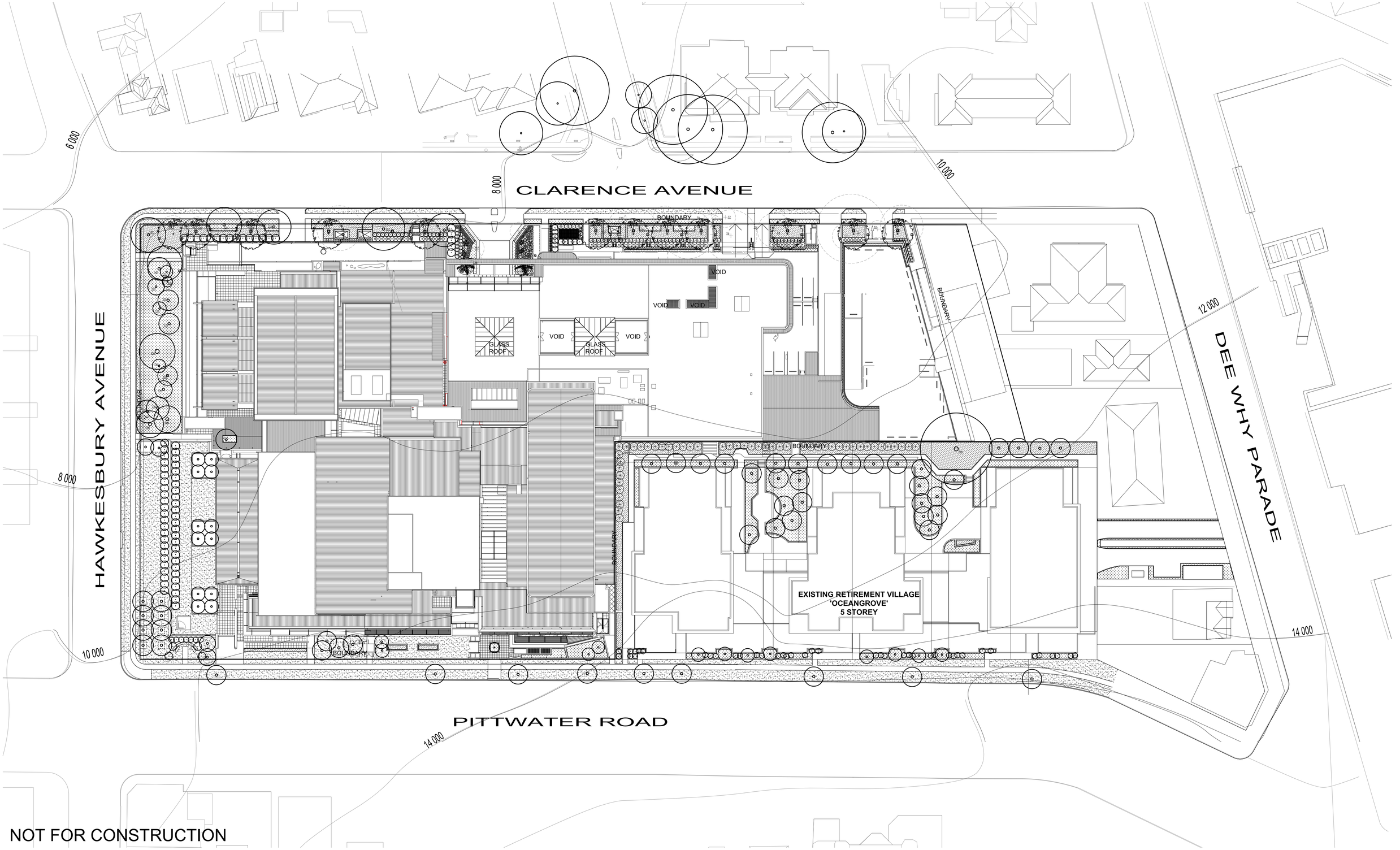
Scale:

Job Number: SS16-3281

Drawing Number: 000

Issue: D

A1

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LEGEND

- Existing Trees & Plams to be Retained
- Existing Tree to be Removed
- Existing Trees referance number (T1)
- Proposed Tree Planting
- Bamboos & Shrub Planting
- Mass Planting
- Turf
- Scope of Works
- Proposed feature lights

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Drawing Name:
Landscape Overall Plan
(Existing & Proposed)

For Section 96 Amendment

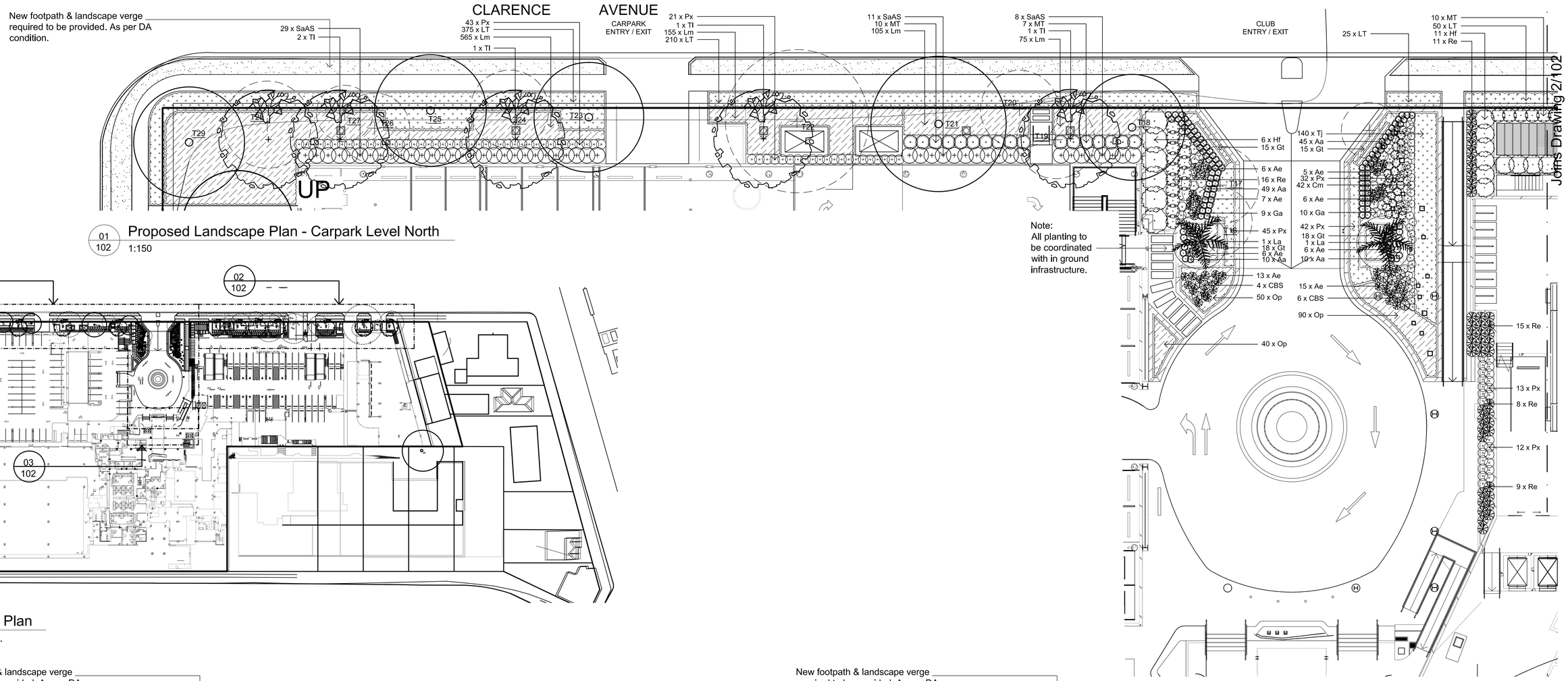
Scale: 1:400 @ A1
0 2 4 8 12 20m

Job Number: SS16-3281

Drawing Number: 101

Issue: D

A1



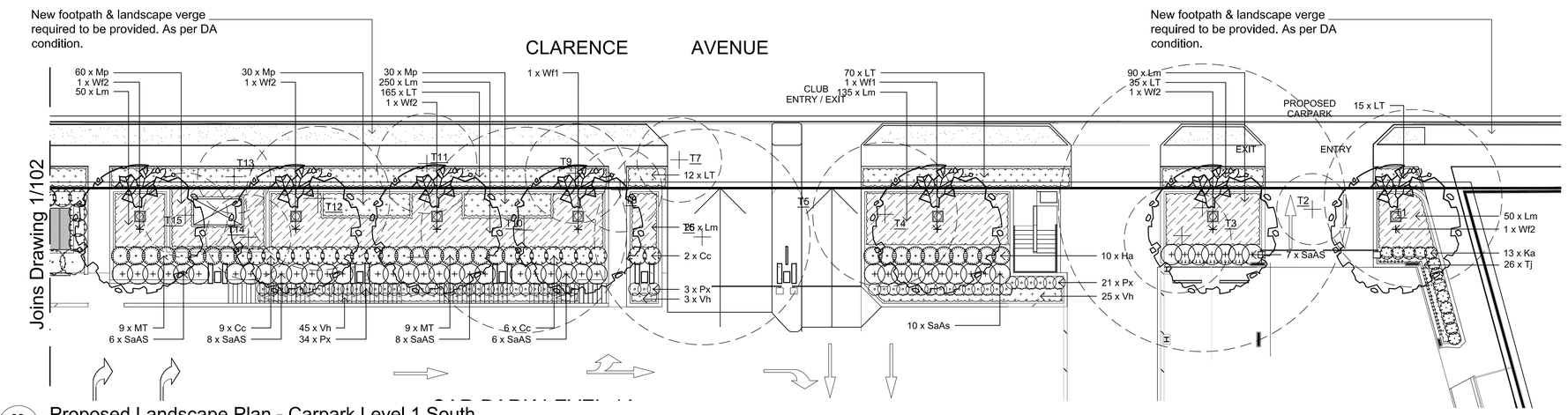

01 / 102 Proposed Landscape Plan - Carpark Level North

1:150




Key Plan

N.T.C.




02 / 102 Proposed Landscape Plan - Carpark Level 1 South

1:150

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Drawing Name:
Proposed Landscape Plan
- Level 1

For Section 96 Amendment

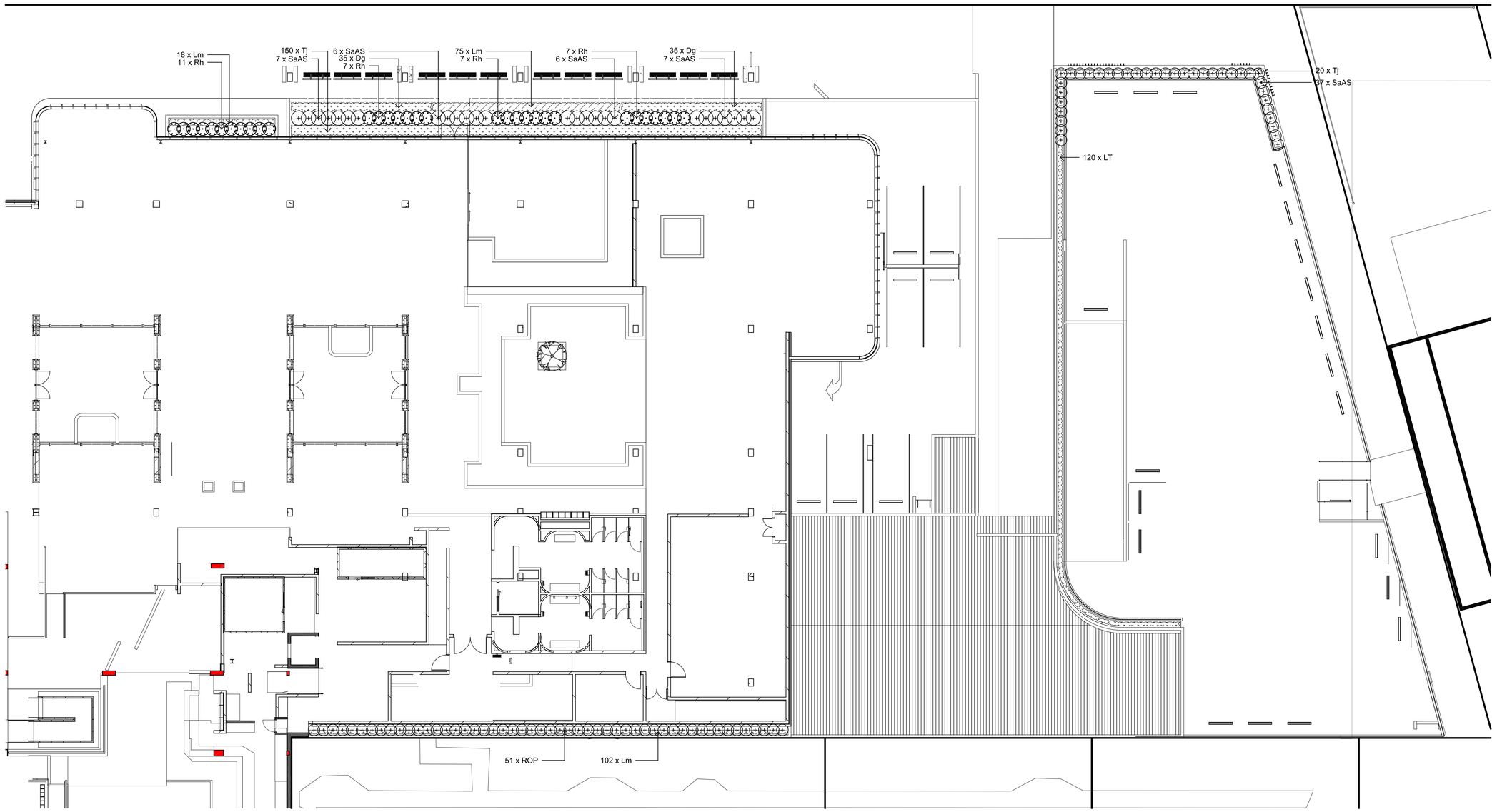
Scale: 1:400 @ A1
0 2 4 8 12 20m

Job Number: SS16-3281

Drawing Number: 102

Issue: D

A1




1 Landscape Plan - Level 2
Scale 1:150

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- Stage 5 Extension

Drawing Name:
Proposed Landscape Plan
- Level 2

TENDER

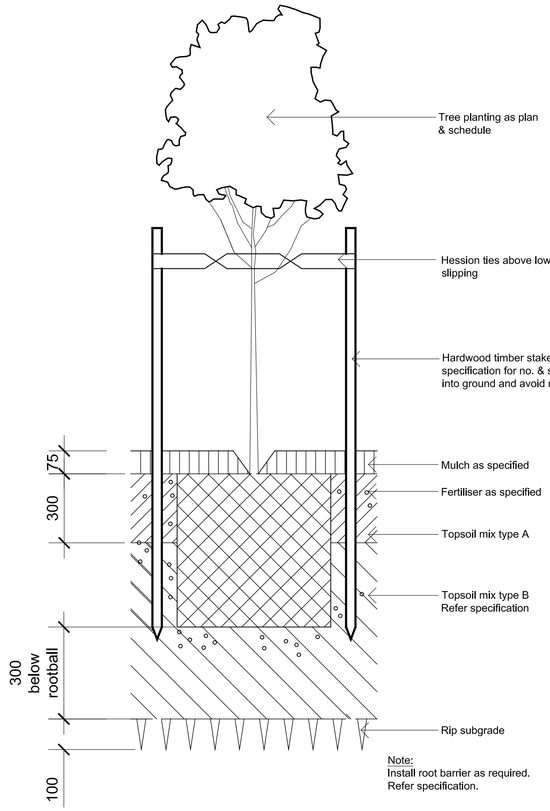
Scale: 1:150 @ A1 (0 1 2 3 4 5m)

Job Number: SS16-3281

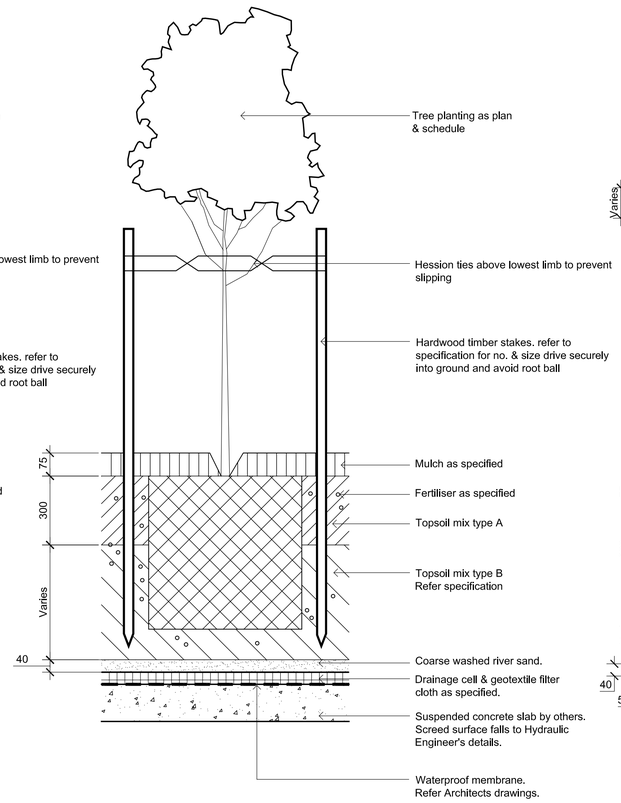
Drawing Number: 103

Issue: D

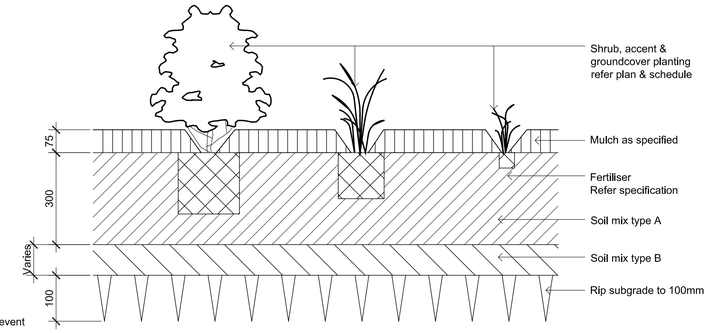
A1



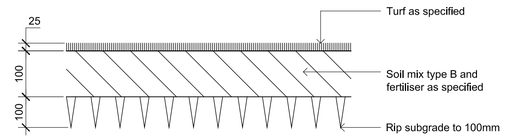

01 501 DETAIL - 75-200L TREE PLANTING ON GRADE
1:10



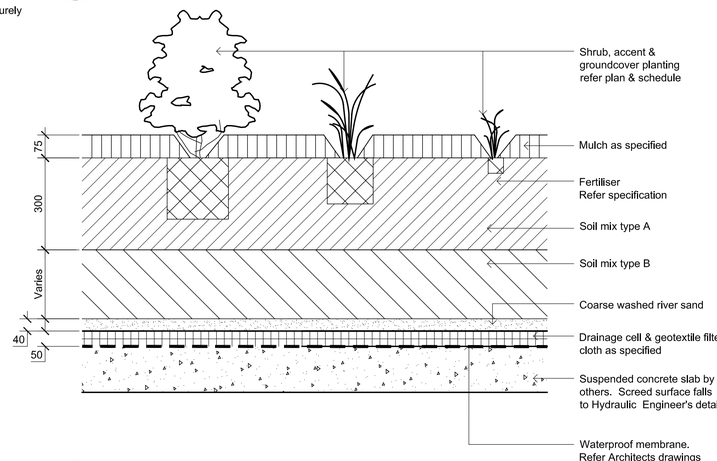

02 501 DETAIL - 75-200L TREE PLANTING ON SLAB
1:10



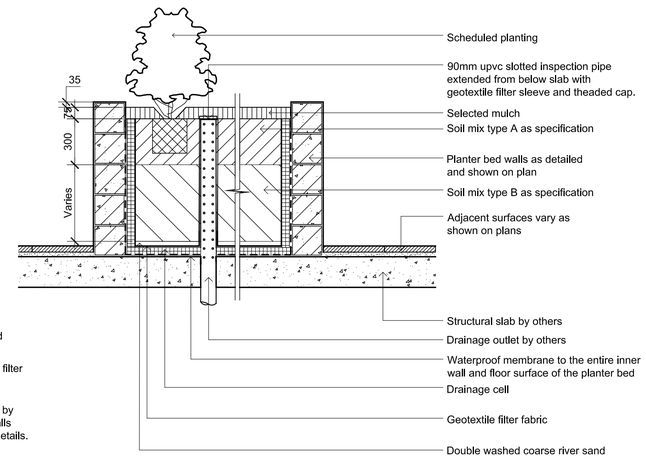

03 501 DETAIL - SHRUB, ACCENT & GROUNDCOVER PLANTING ON GRADE
1:10




05 501 DETAIL -TURF ON EVEN GRADE
1:10




04 501 DETAIL - SHRUB, ACCENT & GROUNDCOVER PLANTING ON SLAB
1:10




06 501 SECTION - TYP. RAISED PLANTER BED ON SUSPENDED SLAB
1:20 INSPECTION / CLEAN OUT RISER PIPE

**Dee Why RSL - PLANT SCHEDULE**

| Symbol | Botanical Name | Common Name | Supply No. | Supply container lt / mm | Supply Height mm |
|---|---|---|---|---|---|
| **Trees & Palms** | | | | | |
| Hf | Howea forsteriana | Kentia Palm | 17 | 100 | |
| La | *Livistona australis* | Cabbage Tree Palm | 2 | Supply height | Clear trunk 6000 |
| Tl | *Tristaniopsis laurina 'Luscious'* | Watergum | 5 | 400 | 3100 |
| Wf1 | *Waterhousea floribunda* | Weeping Lilly Pilly | 2 | 400 | 4100 |
| Wf2 | *Waterhousea floribunda* | Weeping Lilly Pilly | 5 | 400 | 3000 |
| | | | | | |
| **Shrub Planting** | | | | | |
| Cc | *Callistemon citrinus 'White Anzac'* | Lemon Scented Bottlebrush | 17 | *400* | 1200 |
| Ga | *Gardenia augusta 'Florida'* | Gardenia | 19 | *300* | 1000 |
| Ka | *Kunzea ambigua* | Tick Bush | 13 | *400* | 1200 |
| MT | *Metrosideros 'Tahiti'* | New Zealand Chrismas Bush | 45 | *400* | 1200 |
| ROP | *Rhaphiolepis indica 'Oriental Pearl'* | Oriental Pearl Indian Hawthorne | 51 | *400* | 1200 |
| SaAS | *Syzygium australe 'Aussie Southern'* | Lily Pilly 'Aussie Southern' | 156 | *400* | 1200 |
| | | | | | |
| **Accent Shrubs** | | | | | |
| Ai | *Alcantarea imperialis* | Giant Bromeliad | 10 | *400* | 1000 |
| Ae | Aspidistra elatior | Cast Iron Plant | 64 | *400* | 600 |
| CBS | *Cordyline 'Bergundy Spire'* | Cabbage Tree | 10 | *400* | 1500 |
| PX | *Philodendron 'Xanadu'* | Dwarf Philodendron | 287 | *400* | 600 |
| Re | Rhapis excelsa | Lady Palm | 59 | *400* | 1500 |
| Rh | Raphis humilis | Slender lady Palm | 32 | *400* | 1500 |
| | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| **Ferns** | | | | | |
| Aa | *Asplenium australasicum* | Bird's Nest Fern | 114 | 300 | 800 wide |
| | | | | | |
| **Grasses & Groundcovers** | | | | | |
| Dg | *Dietes grandiflora* | Wild Iris | 70 | *200* | 400 |
| Cm | *Clivea miniata* | Kaffir Lily | 42 | *200* | 400 |
| Gt | *Gazania tomentosa* | Silver Gazania | 66 | *200* | 200 |
| Ha | *Hardenbergia violacea* | Happy Wanderer | 10 | *200* | 300 |
| Lm | *Liriope muscari 'Evergreen Giant'* | Lily Turf | 1695 | *200* | 200 |
| LT | *Lomandra longifolia 'Tanika'* | Tanika Mat Rush | 1077 | *200* | 300 |
| Op | *Ophiopogon planiscapus 'Nigrescens'* | Black Mondo Grass | 180 | *200* | 150 |
| Tj | *Trachelospermum jasminoides* | Star Jasmine | 336 | *200* | 300 |
| Vh | *Viola hederacea* | Native Voilet | 73 | *200* | 100 |
| | | | | | |

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A1

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Project:
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- Stage 5 Extension

Drawing Name:
Landscape Details & Plant Schedule

For Section 96 Amendment

Scale:

Job Number: SS16-3281

Drawing Number: 501

Issue: D

# SPECIFICATION

## GENERAL NOTES

**References**
All plans and details included in the project documents shall be read in conjunction with this specification. All structural and civil works components of the landscape design shall be referenced to engineers' details and specifications. Read this specification in conjunction with the plant and materials schedules on the drawings. If in doubt about any detail or if conflicts are found in the documents, seek advice.

**Workmanship and Materials**
The whole of the landscape works shall be carried out by a competent, trained and qualified landscape contractor who is experienced in horticultural practices, landscape construction and planting techniques. The landscape contractor shall hold a current Building Contractors License and/or be a financial member of LNA Landscape Association NSW & ACT or equivalent organisations in other states.

## EXISTING TREES AND SHRUBS

**Trees and Shrubs to be Retained and Protected**
Identify and mark trees and shrubs to be retained using a suitable non-injurious, easily visible and removable means of identification. Protect from damage the trees and shrubs to be retained, including those beyond the site area, both above and below the ground. If a tree becomes damaged during the works or it is proposed to perform work on a tree, give written notice immediately and obtain instructions.

**Work near Trees and Shrubs**
Keep the area of the drip-line free from construction material and debris. Do not place bulk materials and harmful materials under foliage canopies or near trees. Do not place spoil from excavations against tree trunks. Prevent wind-blown building materials, such as cement, from covering trees and other plants. Do not remove topsoil from, or add topsoil to, the area within the drip-line of trees.

## EARTHWORKS

**Excavation, Trimming and Filling**
Except as otherwise noted in the contract, bulk excavation is excluded from the landscape works. After the completion of bulk excavation by others, trim and fill the excavated ground surfaces to achieve design levels to accommodate finish materials as detailed. Prepare the sub-grade surface as required for the various finished ground treatments.

**Sub-soil Drainage**
Keep the excavated works drained and free of standing water. Allow to supply and install sub-soil drainage pipes as required for the new works to ensure that all gardens are well drained. Connect the sub-soil drainage pipes to the nearest downstream stormwater pits. Include pipe filter socks and course sharp aggregate backfilling of trenches.

## HARDWORKS

**Furniture, Handrails, Balustrades**
Supply and install the scheduled items in accordance with the manufacturer's recommendations, as detailed and in the locations shown on plan. Provide all footings and fixings required for the items to be stable and in accordance with applicable codes and standards.

Handrails
- Product: Onyx tubular handrail by Stainform, unless otherwise specified by the Architect.
- Material: 316 Marine grade stainless steel
- Finish: Satin polished
- Dimensions: 50mm diam.
- Fixings: Bolted to walls in accordance with Stainform details for free-standing or wall face or wall top mounting as required.

**Garden Walls, Fences, Steps and Edging**
Construct garden walls, fences, steps and edging as shown on plan, as detailed and of the material scheduled. Provide footings, step nosings, tactile surfaces to comply with standards and applicable legislation. Refer to engineer's details for structural retaining walls, heavy duty slabs, concrete stairs, concrete strength, reinforcing and joint placement.

**TGSI**
Tactile Ground Surface Indicators shall be equal to DTAC Classic warning studs made of 316 marine grade stainless steel. Studs shall be installed in accordance with the relevant part of AS 1428-2009. Refer to plans for locations.

**Continuous, Unit and Loose Pavement**
Install the scheduled material pavement to the locations shown on plan. Ensure that all subgrade/subsurface works are complete prior to commencing paving. Confer with the engineer to ensure the structural integrity of the subgrade. Ensure that the base course under paved surfaces is a continuous plane offering a constant depth of bedding material not exceeding 50mm. Refer to Architectural Finishes Schedule for paving selection.

## SOFTWORKS

**Soil Profile Horizons**
For the purpose of this specification the following soil profile convention shall apply. Various areas may consist of differing combinations of horizons depending on the site conditions and required design outcomes.

**Soil Horizons Table**

| Horizon | Description |
|---|---|
| O | Organic or inorganic mulch layer or soil insulation (highest layer) |
| A | Top soil or upper depth of soil below horizon O for gardens and below turf areas |
| B | Subsoil or the prepared site subsoil or the soil below horizon A |
| C | Sub-base being weathered rock, clay, undisturbed existing base site soil or built structure below horizon B |
| R | Regolith or parent material or rock below horizon C |

Excavate the site soil to create the subsoil level to achieve finished design topsoil levels of horizons O and A.

**Mulch - Horizon O**
Unless noted otherwise, mulch shall be approved proprietary recycled wood fibre or pine bark material. Place mulch in all garden beds to a depth of 75mm after all specified plants are installed. Keep mulch clear of all plant stems and rake to an even plane, flush with the surrounding surfaces evenly graded between design surface levels. Over fill to allow mulch to settle to the specified depth.

**Topsoil - Horizon A**
Import topsoil for the garden and turf areas. Spread the topsoil on the prepared subsoil and grade evenly, compact lightly and uniformly in 150mm layers. Avoid differential subsidence and excess compaction and produce a finished topsoil surface which has the following characteristics:
- Finished to design levels, allowing for mulch or turf, which is to finish flush with adjoining hard surfaces such as paths and edges;
- Smooth and free from inorganic matter, stones or clods of soil;
- Graded to drain freely, without ponding, to catchment and/or sub-soil drains;
- Graded evenly to adjoining surfaces; and
- Ready for planting.

**Subsoil - Horizon B**
Excavate and/or fill all garden beds to bring the top of subsoil to at least 300mm below finished design soil levels. Excavate all turf areas to bring the subsoil to at least 100mm below finished design levels. In all areas shape the subsoil to fall to subsoil drains where applicable. Do not excavate within the drip line of trees and shrubs to be retained. Cultivate or rip the subsoil to a further depth of 100mm before placing top soil. Remove stones of size exceeding 25mm, clods of earth exceeding 50mm, and weeds, rubbish or other deleterious material brought to the surface during cultivation. Do not disturb services or existing tree roots. If necessary cultivate these areas by hand. During cultivation, thoroughly mix in materials such as compost to manufacturer's recommendations. Trim the surface to design levels again after cultivation.

**Soil to Planters on Structure - Horizons A & B**
Where soil is to be placed in planters on structure. Lightweight soil equal to Benedict's Soil Smartmix 4 planter box mix for an 'A' horizon soil and Smartmix 5 planter box mix for a 'B' horizon soil structure shall be used. Submit details of the proposed planter box soil mix to the Project Manager for the structural engineer's review and approval prior to ordering.

**Fertiliser**
Provide proprietary fertilisers, delivered to the site in sealed containers marked to show manufacturer or vendor, weight, fertiliser type, N:P:K ratio, recommended uses, application rates and safety procedures. Apply appropriate fertiliser suited to the provenance of plants (indigenous or exotic) included in the design.

**Plants**
Plant stock is to be inspected at the nursery by client/team and landscape architect for approval prior to purchase order. Supply plants in accordance with the landscape design drawings and schedules, which have the following characteristics:
- Large healthy root systems, with no evidence of root curl, restriction or damage;
- Vigorous, well established, free from disease and pests, of good form consistent with the species/variety;
- Hardened off, not soft or forced, and suitable for planting in the natural climatic conditions prevailing at the site in full sun, partial shade or full shade conditions;
- Grown in final containers for not less than twelve weeks;
- Trees, unless required to be multi-stemmed, shall have a single leading shoot; and
- Containers shall be free from weeds and of appropriate size in relation to the specified plant size.

**Plant Installation**
Following excavation of the planting hole, place and spread 15gms of wetting agent pre-mixed with one (1) litre of water. Place the plant correctly orientated to north or for best presentation. Backfill the planting holes with specified topsoil mixture. Lightly tamp and water to eliminate air pockets. Ensure that the backfill soil is not placed over the top of the root ball and that the root ball is not higher than the soil in which it is planted. Apply fertiliser, as specified around the plants in the soil at the time of planting.

**Subsoil Drainage**
Supply and install subsoil drainage pipes at or below Horizon B to adequately drain soil water to prevent soil saturation and boggy area developing in the A horizon soil layer. Locate at lower edge of slopes and across inclined garden surfaces where water is likely to accumulate if no drainage was provided. Drain to nearest stormwater pits and drainage systems. Subsoil drains shall be equal to Viridex 100mm Socked and Slotted Draincoil complete with joiners and other accessories. Backfill with 20mm max crushed recycled concrete/brick aggregate or 20mm basalt (Blue Metal) to the top of the B horizon or as needed to ensure that drainage is effective. In planter boxes provide subsoil drainage by installing a cellular drainage layer equal to 30mm Atlantis Flo-Cell overlayed with a geofabric topped with a 50mm layer of double washed river sand before adding soil horizons A and B. Extend the cellular drainage and geofabric up planter walls to the underside of Horizon O Mulch. Install a 90mm uPVC socked and slotted inspection riser pipe from the planter drainage outlet vertically to the underside of Horizon O with a threaded cap. Cover the cap with mulch.

**Embankment Stabilisation**
Where necessary and shown on the drawings prevent soil erosion or soil movement by stabilising embankments as follows. As a minimum, this should be on slopes steeper than or equal to 1:3 gradient. Stabilise embankments using biodegradable fibre reinforced heavy weight jute fabric. Lay fabric from top to bottom of slope. Install in accordance with manufacturer's specification, including 300 x 300mm anchor trench at top and bottom of slope, backfilled with soil over the fabric and compacted into the trenches. Using U-shaped galvanised steel pegs at 1000 mm centres generally and 250mm centres at edge overlaps, secure the fabric to the prepared soil surface. Plant through the fabric after it is installed.

**Root Barrier**
Supply and install root control barriers to all new tree plantings adjacent to walls, paths, kerbs and all service trenches, where their proximity poses a threat to the stability of the built infrastructure. Install in accordance with manufacturer's recommendations.

**Stakes and Ties**
Stakes and ties shall be of durable material, straight, free of knots and twists, pointed at one end and supplied and installed for various pot sizes as nominated in Council specification.

**Turf**
Turf shall be delivered to site as 25mm minimum thick cut rolls. Obtain turf from a specialist grower of cultivated turf. Turf shall have an even thickness, free from weeds and other foreign matter. Deliver turf to the site within 24 hours of being cut and lay it within 24 hours of delivery. Prevent it from drying out between cutting and laying. Lay the turf in the following manner:
- In stretcher pattern, joints staggered and close butted;
- Parallel long sides of level areas, with contours on slopes; and
- To finish flush, after lightly tamping, with adjacent finished surfaces and design levels.

## IRRIGATION

All proposed landscape areas shall be irrigated.

The irrigation system shall be an automatic permanent system, with an irrigation controller self-operated via a soil moisture sensor. The system shall be calibrated to deliver the optimum rate and volume of water appropriate to the type of plants in the design. The system shall be adjustable and fully serviceable. The layout of the entire irrigation system shall focus on delivering the required amount of water to maintain healthy and vigorous growth. The irrigation system shall be such that, component theft, vandalism, over-spray and wetting of paths shall be reduced to a minimum or completely eliminated by the use of drip, pop-up sprinklers and judiciously placed fixed spray emitters. Generally, do not use fine mist emitters that provide a drifting mist that may wet paths and the buildings unless specifically required by the design.

## PALM SUPPLY

Generally, the works shall include:
a. Plant supply contract for Palm Trees; and
b. Palm Tree installation and maintenance contract.

Certain building works shall be the responsibility of the Head Contractor/Builder and other subcontractors. These include the:
- coordination with the project team to ensure planter depths and services provision are suitably coordinated and completed;
- new switching and wiring to No.1 off up-light at each palm;
- supply and install the selected and approved up-light fittings; and
- supply and installation of an irrigation system.

**Works to be completed by the Palm Supplier**

The plant supply contract works relate to mature palm trees identified for the project and shall include:
1. Securing supply of the required number of mature plants, of the nominated heights and suitability, and allowing for additional palms as options for final selection of specimens;
2. Gaining approval of the suitability of the plant supply stock selected and tag each specimen with a unique identification number which corresponds to the pit numbers indicated on plan;
3. Procuring, preparation, lifting and transporting of plants including the following:
   a. Extraction from the ground, lifting and protection of plants, root pruning, foliage pruning and other treatment deemed necessary for the wellbeing of the plants during transport and installation on site;
   b. Marking the north orientation of the palm trees on the root wrapper when it was in the ground;
   c. Transportation, including wrapping of foliage and root balls;
   d. Crane onto trunk with provision to cradle the trees to eliminate the possibility of damage to the trunk in transit, during lifting and moving from the truck to the site;
   e. Take all precautions necessary to reduce stress upon the plants during transport. Use full covering to truck, protection frames around foliage, moist covers to root-ball and foliage and the like;
   f. Other measures as deemed appropriate by the Nurseryman;
   g. Supervision of plants in transit as necessary;
   h. Record the whole extraction, lifting, protection, transport and installation process digitally for later examination if required.
4. Delivery to, and formal handing over of ownership of plants to the Landscape Contractor at site once the trees are standing vertically in the tree pits;
5. The Plant Supplier and the Landscape Contractor shall liaise during the extraction, transport and installation process to coordinate advice on:
   a. Tagging, orientation marking and final approval of selected plants;
   b. Reserve plant stock tagged;
   c. preparation of root ball and foliage;
   d. final preparation for transport to Sydney; and
   e. delivery to site.

The communication shall begin:
- prior to extraction;
- at the end of each day during installation to highlight matters relating to installation of the plants; and
- as necessary and at least every two months during the acclimatisation period for six months minimum or until the plants have acclimatised

Where additional works may be required to ensure the on-going health of the plants and to avoid potential problems that may become apparent, the Nurseryman is to advise the Proprietor immediately in writing of any issue that may be detrimental to the eventual success of the specimens in acclimatising to site conditions.

**Works to be completed by the Landscape Contractor**

The works to be completed by the Landscape Contractor shall include:

1. Reviewing the adequacy of the planters and proposed immediate environment to allow/ensure the successful installation and maintenance of the plants, including:
   a. formal acceptance of palm trees from nurseryman upon delivery to site;
   b. site access arrangements and coordination with the Builder's works program;
   c. spatial allowances for drainage, topsoil/growing media, trees and other plants;
   d. the installation of drainage, including number and size of outlets, and the type and dimensions of drainage materials;
   e. loading allowances for plants and topsoil / growing media;
   f. anticipated light levels, sun exposure and wind exposure conditions;
   g. proximity of footings / pavement base course to plant roots; and
   h. proposed adjacent planting proposed and consider impact on palms and up-lights.

2. General provisions for access for maintenance of plants, including access to the top of palms.

3. Cranage of plants from the truck into the planter holes and all necessary associated protective works.

4. Preparation of planting pits and plant transplanting into the locations as shown on the drawings including the following:

   a. preparation of planters / tree planting pits, including checking the adequacy of the drainage and up-lighting provisions;
   b. tree planting, including installation of topsoil/growing media, fertilizer and mulch;
   c. ensuring that the Builder provides adequate waste disposal containers to ensure that paint, render, plaster and any other liquid slurry or solid waste is collected and not permitted to contaminate the soil in the tree planting pit;
   d. co-ordinating with the Builder to permit crane equipment to enter site to lift the palms into final locations;
   e. general maintenance of the palms for a period of 52 weeks, including replacement of failed plants. The maintenance period is deemed to commence from the date of Practical Completion;
   f. preparing and submitting progress reports on the transplanted plants at minimum two monthly intervals for TWELVE months (52 weeks).

5. Completing detailed design of an automatic irrigation system, including provisions for trickle irrigation to base of palm trees. The system is to establish and maintain conditions to allow healthy on-going vigorous growth of the palms. Detailed requirements for provision of electrical and hydraulic supply points to be provided under a separate contract are to be specified and agreed with the Builder.

6. Provision of an Operation Manual and Schedule of Recommended Settings for operation and maintenance of the automatic irrigation system for the Proprietor (refer to the Irrigation section);

7. Installation of automatic irrigation system, including coordination with the Electrician and Plumber and their associated works.

8. Maintain and adjust the irrigation system for 52 weeks from the date of Practical Completion as necessary to ensure that the system is fault free and operational at the time of handover to the Proprietor.

**Quality**

Give sufficient notice so that tree pits may be inspected prior to:
- Palms being prepared, extracted and made ready to be transported to site, for approval of suitable condition; and
- Delivery to site and installation of trees, during tree and topsoil placement

Submit details of materials proposed, including the following:
- Representative range of palm trees available as options as basis for selection;
- Site location to allow inspection insitu prior to final selection of palms; and
- 5 kg sample of soil evident at the palm extraction location.

Submit the methods and equipment proposed for the entire tree lifting, transport and installation process for review and approval to proceed.

**LANDSCAPE MAINTENANCE**

The Landscape Contractor shall rectify defects during installation and that become apparent in the works under normal use for the duration of the contract Defects Liability Period. Unless contracted otherwise, the Landscape Contractor shall maintain the contract areas by the implementation of industry accepted horticultural practices for 52 weeks from Practical Completion of the works. The landscape maintenance works shall include, but not be limited to:
- Replacing failed plants;
- Pruning;
- Insect and pest control;
- Fertilising;
- Maintaining and removing stakes and ties;
- Maintaining mulch;
- Mowing and top dressing;
- Irrigation and watering;
- Erosion control; and
- Weeding and rubbish removal.

**Maintenance Log Book**
Implement and keep a maintenance log book recording when and what maintenance work has been undertaken and what materials, actions and decisions have been used, implemented and concluded to keep the landscape always looking its best. Enter data daily and review information every 2 weeks. Observe trends and develop a maintenance regime around seasonal and observed event occurrences.

**Maintenance Activities**
During the defects maintenance period schedule the following activities to occur on a timely basis.

- **Plant replacement -** Replace plants that have failed to mature, die or are damaged. Replacement plants shall be in a similar size and quality and identical species or variety to the plant that has failed. Replacement of plants shall be at the cost of the landscape contractor unless advised otherwise. If the cause of the failure is due to a controllable situation then correct the situation prior to replacing plants. Observe and replace failed plants within 2 weeks of observation.
- **Pruning -** Prune dead wood, broken limbs, dead or infected foliage and as needed to develop strong, healthy plants to achieve the shape and form expected of the plant type. Observe daily and prune plants on a needs basis.
- **Insect, disease and pest control -** Avoid spraying:
  - if ever possible;
  - in wet weather or if wet weather is imminent;
  - if target plants are still wet after rain;
  - in windy weather; and
  - if non-target species are too close.

  Immediately report to the Project Manager any evidence of intensive weed infestation, insect attack or disease amongst plant material. Submit all proposals to apply chemicals and obtain approval before starting this work. When approved, spray with herbicide, insecticide, fungicide as appropriate in accordance with the manufacturers' recommendations. Observe daily and act as necessary to control any infestation or disease. Record in the logbook all relevant details of spraying activities including:
  - Product brand / manufacturer's name,
  - Chemical / product name,
  - Chemical contents,
  - Application quantity and rate,
  - Date of application and location,
  - Results of application, and
  - Use approval authority.
- **Fertilising -** Fertilise gardens with a proprietary slow release fertiliser applied in accordance with the manufacturer's directions and recommendations. Apply 6-12 monthly. Record in the logbook all relevant details of fertilising including:
  - Product brand / manufacturer's name,
  - Fertiliser / product name,
  - Application quantity and rate, and
  - Date of application and location.
- **Stakes and ties -** Adjust and replace as required to ensure plants remain correctly staked. Remove those not required at the end of the planting establishment period (Defects Liability Period). Inspect and act at least every 2 weeks.
- **Maintaining mulch -** Maintain the surface in a clean, tidy and weed free condition and reinstate the mulch as necessary to ensure correct depth as specified. Observe weekly and replenish mulch as required.
- **Mowing and top dressing -** Mow the turf to maintain a grass height of between 30-50mm. Do not remove more than one third of the grass height at any one time. Remove grass clippings from the site after each mowing. Top dress to a maximum of 10mm to fill depressions and hollows in the surface. Mow weekly/fortnightly in warmer months. Mow monthly or as required in cooler months. Top dress at approximately 6 monthly intervals.
- **Irrigation and watering -** Maintain the irrigation system to sure that each individual plant receives the required amount of water to maintain healthy and vigorous growth. Adjust and calibrate as required. Provide additional watering, if necessary but inspect irrigation weekly and make repairs as necessary.
- **Erosion control -** Where necessary, maintain the erosion control fabric in a tidy and weed free condition and reinstate as necessary to ensure control measures are effective where deemed necessary. Inspect every 2 weeks and act to repair any damage as soon as possible.
- **Weeding and rubbish removal -** During the plant establishment period remove by hand, rubbish and weed growth that may occur or re-occur throughout all planted, mulched and paved areas. The contractor shall target weeds that are capable of producing a major infestation of unwanted plants by seed distribution. Whenever possible, time weed removal to precede flowering and seed set. Constant observation and removal of weeds is essential.

NOT FOR CONSTRUCTION



The contractor shall check and verify all work on site (including work by others) before commencing the landscape installation. Any discrepancies are to be reported to the Project Manager or Landscape Architect prior to commencing work. Do not scale this drawing. Any required dimensions not shown shall be referred to the Landscape Architect for confirmation.

| Issue | Revision Description | Drawn | Check | Date |
|---|---|---|---|---|
| D | For Section 96 Amendment | PH | RS | 23.02.2018 |
| C | For Section 96 Amendment | PH | RS | 20.11.2017 |
| B | Tender | PH | RS | 05.10.2017 |
| A | For Development Application | NH | RS | 20.03.2017 |

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Client:
Dee Why RSL Club

Project:
Dee Why RSL Club
- Stage 5 Extension

Drawing Name:
Landscape Specification

For Section 96 Amendment

Scale:

Job Number: SS16-3281

Drawing Number: 502

Issue: D