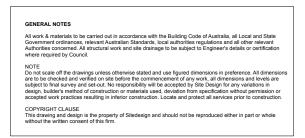
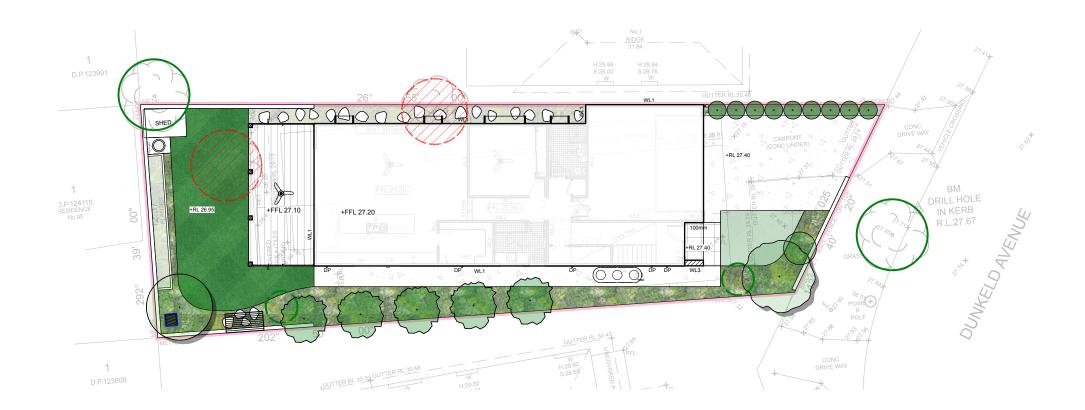
LANDSCAPE DA

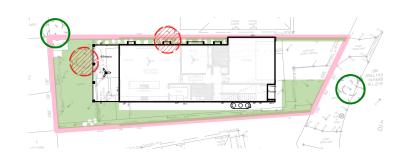
3 DUNKELD AVENUE, HURLSTONE PARK

Drawing List

Sheet No.	Sheet Name	Sheet Size	Rev. No.	Rev. Date	
L-01	COVER SHEET	A3	С	4/8/22	
L-02	DETAILED PLAN	A3	С	4/8/22	
L-03	PLANTING PLAN	A3	С	4/8/22	
L-04	PLANTING DETAILS	A3	С	4/8/22	
L-05	EXISTING TREE	A3	С	4/8/22	
L-06	NOTES	A3	С	4/8/22	
L-07	SPECIFICATION	A3	С	4/8/22	

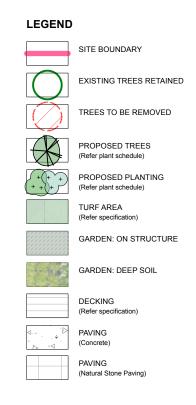


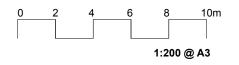




LANDSCAPE CALCULATIONS

SITE = 406m² MIN REQUIREMENT (15%) = 60.9m² PROPOSED LANDSCAPE AREA = 132m²







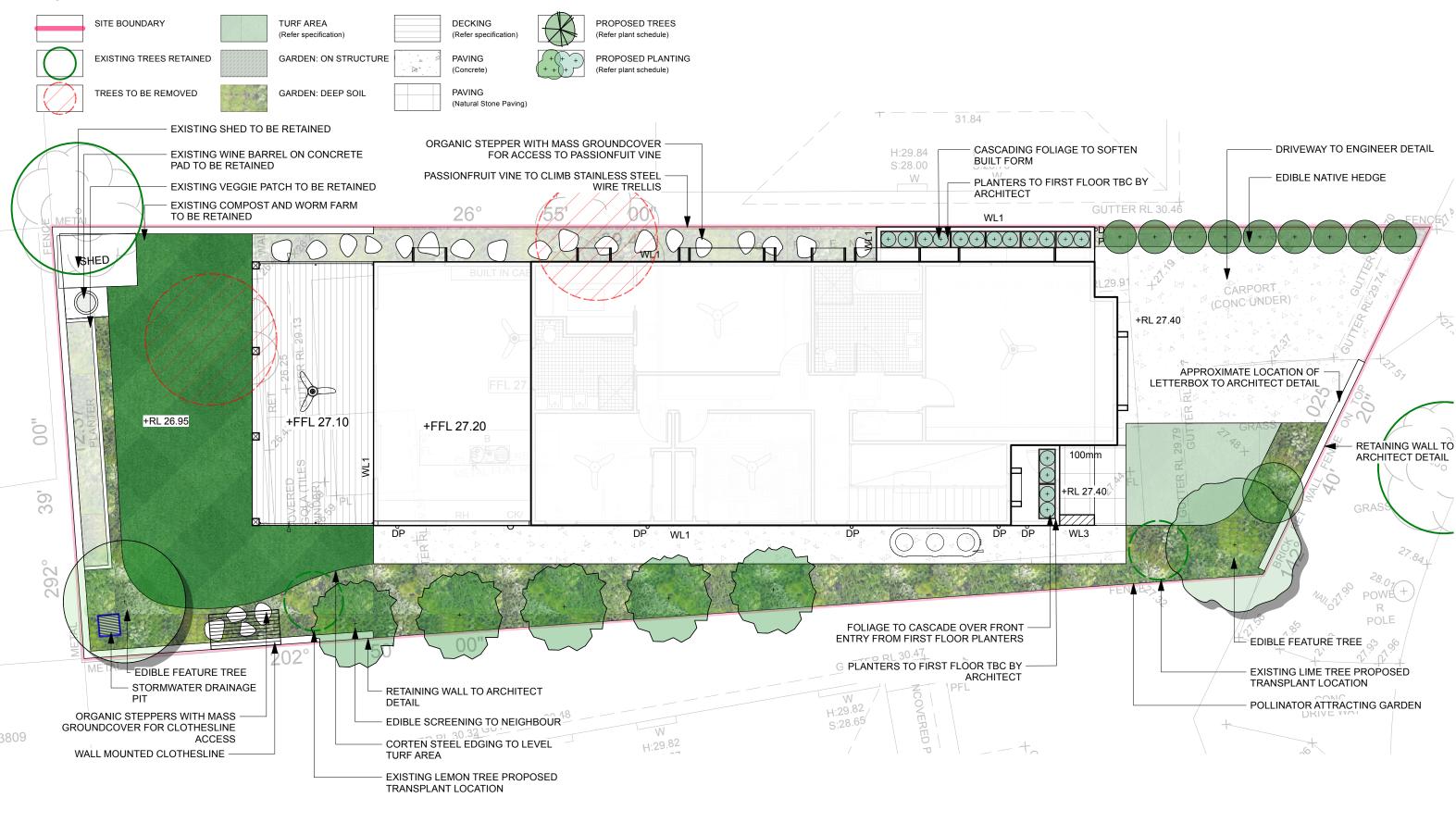
SYDNEY SOUTH STUDIO 29 Marshall Road KIRRAWEE NSW 2232 m 0417 342 440 p 1300 22 44 55 johnny@sdstudios.com.au www.sdstudios.com.au

LANDSCAPE WORKS	
3 DUNKELD AVENUE, HURLSTONE PARK	Date 14/07/22
COVER SHEET	Scale 1:200@A3
	3 DUNKELD AVENUE, HURLSTONE PARK





LEGEND





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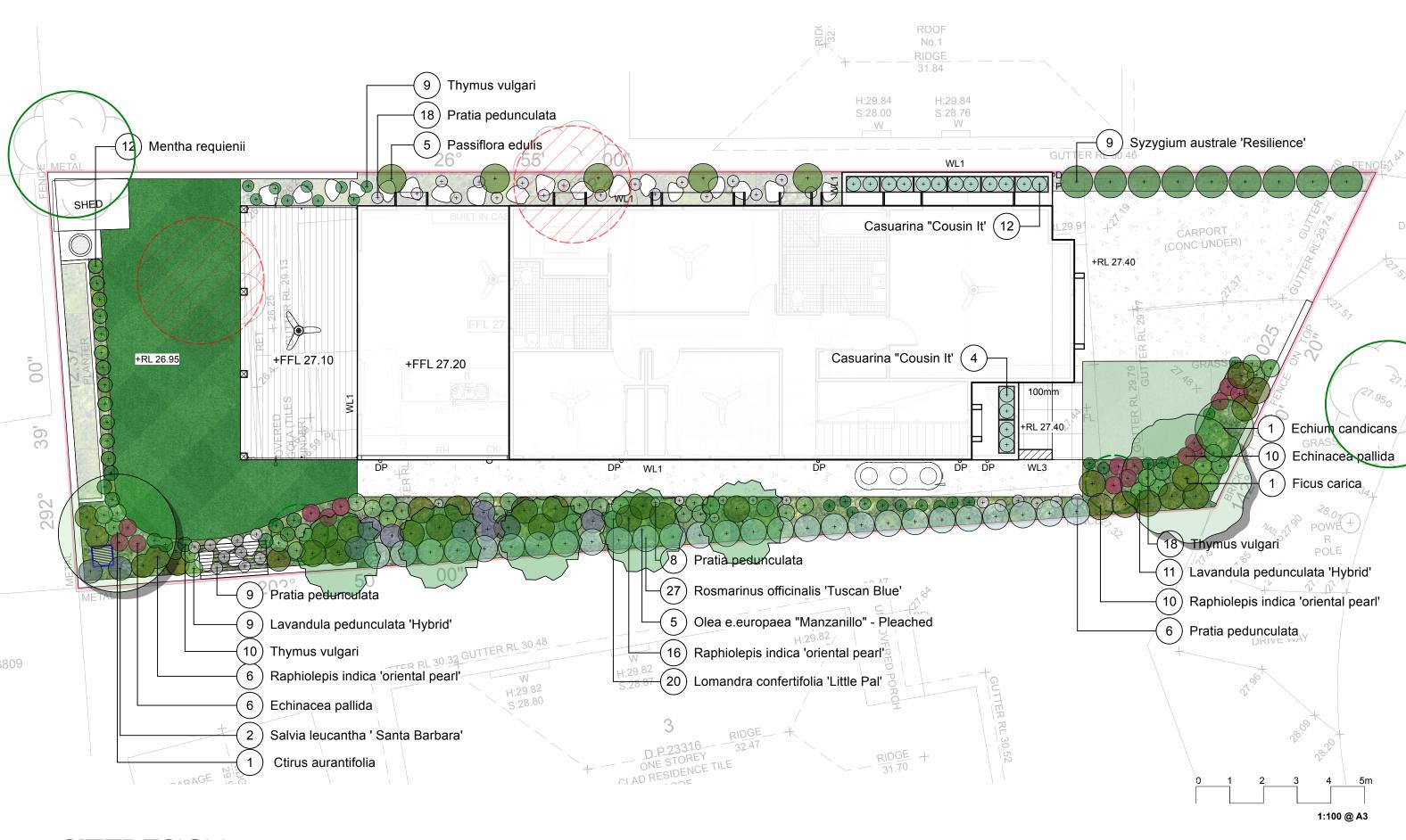
Project	LANDSCAPE WORKS	
Address	3 DUNKELD AVENUE, HURLSTONE PARK	Date 14/07/22
Drawing Title	DETAILED PLAN	Scale 1:100@A3



ISSUE	DATE	COMMENT
Α	21/6/22	FOR CLIENT REVIEW
В	14/7/22	FOR DA
С	4/8/22	FOR DA

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1:100 @ A3



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Project	LANDSCAPE WORKS	
Address	3 DUNKELD AVENUE, HURLSTONE PARK	Date 14/07/22
Drawing Title	PLANTING PLAN	Scale 1:100@A3



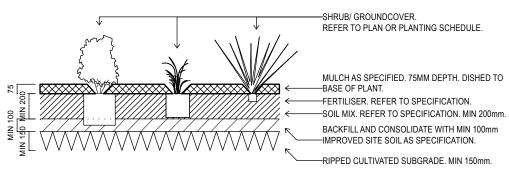
FOR DA 14/7/22 FOR CLIENT REVIEW ISSUE DATE COMMENT REVISIONS

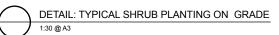
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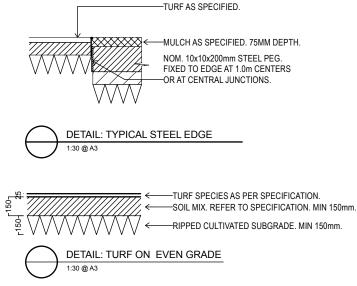
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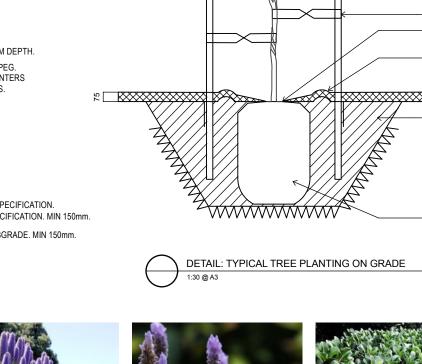
PLANTING SCHEDULE

ID	Botanical Name	Common Name	Scheduled Size	Qty
Trees				
cit-aur	Ctirus aurantifolia	Tahitian Lime	45L	1
Fic-car	Ficus carica	Edible Fig	45L	1
Ole-eu'Man'	Olea e.europaea "Manzanillo" - Pleached	olive	45L	5
Shrubs	<u> </u>			
Ech-pal	Echinacea pallida	Pale Purple Cornflower	140mm	16
ech-mad	Echium candicans	Pride of Madeira	200mm	1
Lav-pen'Hi'	Lavandula pedunculata 'Hybrid'	Lavender lace	150mm	20
Rap-ind-op	Raphiolepis indica 'oriental pearl'	Indian Hawthorn	200mm	32
Ros-off-1	Rosmarinus officinalis 'Tuscan Blue'	Tuscan Blue Rosemary	200mm	27
sal 'sb'	Salvia leucantha ' Santa Barbara'	Dwarf Velvet Sage	200mm	10
syz-au're'	Syzygium australe 'Resilience'	Lilly Pilly	300mm	9
Ground Covers				
cas'ci'	Casuarina "Cousin It'	Casuarina "Cousin It'	150mm	16
Me-req	Mentha requienii	Corsican mint	100mm	12
Pra-pe	Pratia pedunculata	Blue star creeper	100mm	41
Thy-vul	Thymus vulgari	Garden thyme	100mm	37
Grasses		*		
lom con 'lp'	Lomandra confertifolia 'Little Pal'	Little Pal	140mm	20
Climbers				
pas-edu	Passiflora edulis	'Passion Fruit'	150mm	5













Pratia pedunculata









-CONTAINER TREE AS SPECIFIED

HARDWOOD STAKES

STAKING WHERE SPECIFIED, 2x50x50x2000

-50mm HESSIAN TIES STAPPLES ONTO STAKES

-GRADE MULCH SO ITS KEPT AT LEAST 50mm

75mm DEPTH ORGANIC MULCH AS SPECIFIED.

-PLANTING SOIL, REFER TO SPECIFICATION

PLANT HOLE TO BE THE SAME DEPTH AS

-SITE SOIL TO PREVENT SETTLEMENT.

POTTED ROOTBALL & 3 TIMES THE DIAMETER OF THE CONTAINER ROOTBALL DIAMETER.

ROOTBALL TO BE PLACED ON UNDISTURBED

FORM SMALL BERMED DISH CLOSE TO EDGE OF POTTED ROOTBALL TO FACILITATE ESTABLISHED

CLEAR OF THE STEM COLLAR

WATERING



Rosmarinus officinalis 'Tuscan Blue'



Passiflora edulis



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Syzigium australe 'Resillience'

Olea europea

Casuarina 'Cousin It'



FOR DA 4/8/22 14/7/22 FOR DA FOR CLIENT REVIEW ISSUE DATE COMMENT REVISIONS

Lomandra confertifolia 'Little Pal'

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LEGEND

SITE BOUNDARY



EXISTING TREES RETAINED



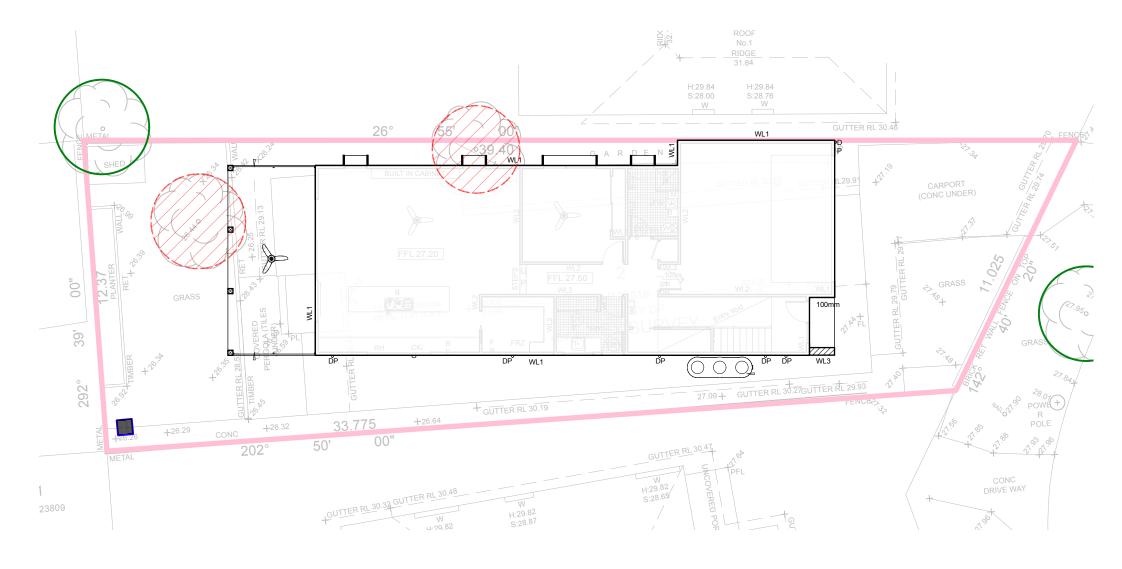
TREES TO BE REMOVED



TPZ OF TREES RETAINED (Tree Protection Zone)



SRZ OF TREES RETAINED





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Project	LANDSCAPE WORKS	
Address	3 DUNKELD AVENUE, HURLSTONE PARK	Date 14/07/22
Drawing Title	EXISTING TREE	Scale 1:150@A3



REVISIONS				
ISSUE	DATE	COMMENT		
Α	21/6/22	FOR CLIENT REVIEW		
В	14/7/22	FOR DA		
С	4/8/22	FOR DA		

PLAN NOTES

This plan should be read in conjunction with the architectural and hydraulics plans. Work specific to these plans should be prepared in accordance to these plans, including specification and details prior to the installation of landscaping, and should not be altered or compromised during landscape construction.

Retaining wall details to engineers design.

Elements such as drainage swales may be incorporated in garden bed areas (using non-floatable mulch) without compromising the capacity or form.

The Design & location of new letter boxes shall be in accordance with Australia Post's "Requirements for Delivery of Mail to Residential Premises" published Feb '97. All noxious weeds listed in Councils weed lists & located on the site shall be continually removed & suppressed. Reinstate all boundary fencing in poor condition with Council approved 1.8m fencing to rear of building line, rake to 1m forward of BL. Pollution, sediment & erosion control devices as specified shall be in place, and maintained for the duration of the construction period. Proposed excavation near existing established trees to be supervised by arborist.

This plan has been prepared for DA approval only, not for construction.

Planting proposed using commercially available plant species selected from local planting lists and the BASIX local plant list

D.A approved landscape plan's are required to be constructed as approved to obtain occupancy certificate.

GENERAL NOTES

GENERAL NOTES

All work to be carried out in accordance with the Building Code of Australia, all Local and State Government Ordinances, relevant Australian Standards, Local Authorities Regulations and all other relevant Authorities concerned. All structural work and site drainage to be subject to Engineer's details or certification where required by Council. This shall include r.c. slabs and footings, r.c. and steel beams & columns, wind bracing to AS 1170

and AS4055, anchor rods or bolts, tie downs, fixings etc., driveway slabs and drainage to Council's satisfaction. All timbers to be in accordance with SAA Timber Structure Code AS1720 and SAA Timber Framing Code AS 1684.

NOTE

Do not scale off the drawings unless otherwise stated and use figured dimensions in preference

All dimensions are to be checked and verified on site before the commencement of any work, all dimensions and levels are subject to final survey and set-out No responsibility will be accepted by Sitedesign for any variations in design, builder's method of construction or materials used, deviation from specification without permission or accepted work practices resulting in inferior construction. Locate and protect all services prior to construction.

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EXTERNAL LIGHTING - AMENITY

To ensure that any lighting on the site does not cause a nuisance to neighbours or motorists on nearby roads:

Design

All lighting must be designed in accordance with Australian Standard AS4282 - Control of the Obtrusive Effects of Outdoor Lighting.

Ongoing

All lighting must be operated and maintained in accordance with the Standard above.

IRRIGATION NOTES

All gardens to have installed a drop irrigation system controlled from within the store & run off tank water (with possible town water top up). Irrigation system can be designed and installed by Site Design. Call David James on 0488 358 180

EXEMPT TREE REMOVAL

Any declared noxious plant. The applicant is to ensure that all noxious plants are properly identified and controlled/removed.

iv) Any tree species exempted by the Sutherland Shire Local Environmental Plan 2015.

LANDSCAPE MAINTENANCE NOTES

MONTH	MOWING EDGING BLOWING	(SEASOL)	CHECK	HAND WEED REMOVAL	PRUNING	WEED SPARAYING	WATERING/ IRRIGATION	PLANT REPLACEMENT IF REQUIRE
DEC	W	M	M	W	F	М	D	W
JAN	W	М	М	W	F	М	D	W
FEB	W	M	М	W	F	М	D	W
MAR	F	М	М	F	М	М	D	W
APR	F	N/A	М	F	М	М	D	W
MAY	F	N/A	М	M	M	М	D	W
JUNE	М	N/A	М	М	N/A	N/A	2ND D	W
JULY	М	N/A	М	M	N/A	N/A	2ND D	W
AUG	М	N/A	M	M	N/A	N/A	2ND D	W
SEP	М	М	М	М	N/A	N/A	2ND D	W
OCT	F	F	М	F	М	М	D	W
NOV	F	F	М	F	М	М	D	W





LANDSCAPE SPECIFICATION

PRELIMINARIES

1.01 GENERAL

The following general conditions should be considered prior to the commencement of landscape works:

The landscape plans should be read in conjunction with the architectural plans, hydraulic plans, service plans and survey prepared for the proposed development

All services including existing drainage should be accurately located prior to the commencement of landscape installation. Any proposed tree planting which falls close to services will be relocated on site under the instruction of the landscape architect. Installation of conduit for required irrigation, electrical and other services shall be completed prior to the commencement of hardscape works and hardstand pours.

All outdoor lighting specified by architect or client to be installed by qualified electrician

Anomalies that occur in these plans should be brought to our immediate attention.

Where an Australian Standard applies for any landscape material testing or installation technique, that standard shall be followed.

1.02 PROTECTION OF ADJACENT FINISHES

The Contractor shall take all precautions to prevent damage to all or any adjacent finishes by providing adequate protection to these areas / surfaces prior to the commencement of the Works

1.03 PROTECTION OF EXISTING TREES

Existing trees identified to be retained shall be done so in accordance with NATSPEC Guide 2 "A Guide to Assessing Tree Quality". Where general works are occurring around such trees, or pruning is required, a gualified Arborist shall be engaged to oversee such works and manage tree health.

Existing trees designated on the drawing for retention shall be protected at all times during the construction period. Any soil within the drip-line of existing trees shall be excavated and removed by hand only. No stockpilling shall occur within the root zone of existing trees to be retained.

Any roots larger in diameter than 50mm shall only be severed under instruction by a qualified arborist. Roots smaller than 50mm diameter shall be cut cleanly with a saw.

Temporary fencing shall be installed around the base of all trees to be retained prior to the commencement of landscape works Where possible this fencing will be located around the drip line of these trees, or a minimum of 3m from the trunk. The fencing shall be maintained for the full construction period.

1.04 EROSION & POLLUTION CONTROL

The Contractor shall take all proper precautions to prevent the erosion of soil from the subject site. The contractor shall install erosion & sediment control barriers and as required by council, and maintain these barriers throughout the construction period. Note that the sediment control measures adopted should reflect the soil type and erosion characteristics of the site. Erosion & pollution control measures shall incorporate the following:

- Construction of a sediment trap at the vehicle access point to the subject site
- Sediment fencing using a geotextile filter fabric in the location indicated on the erosion control plan or as instructed on site by the landscape architect.
- Farth banks to prevent scour of stockpiles
- Sandbag kerb sediment traps Straw bale & geotextile sediment filter.

- Exposed banks shall be pegged with an approved Jute matting in preparation for mass planting Refer to "Sitewise Reference Kit" as prepared by DLWC & WSROC (1997) for construction techniques

SOIL WORKS

2.01 MATERIALS

Specified Soil Conditioner (Generally to improve site soil)

The specified soil conditioner for site top-soil improvement shall be an organic mix, equal to "Botany Humus", as supplied by ANL. Note that for sites where soil testing indicates toxins or extremes in pH, or soils that are extremely poor, allow to excavate and supply 300mm of imported soil mix

New gardens & proposed Planting

New garden and planting areas shall consist of a 50/50 mix of clean site soil (refer d) below) and imported "Organic Garden Mix" as supplied by ANL or approved equal. All mixes are to comply with AS 4419 Soils for landscaping & garden use. & AS 4454 Composts.

Specified Soil Mix - Turf

The specified soil mix for all turf areas shall be a min 75mm layer of imported soil mix consisting of 80% washed river sand (reasonably coarse), and 20% composted organic matter equivalent to mushroom compost or soil conditioner, or other approved

Site topsoil is to be clean and free of unwanted matter such as gravel, cXXIav lumps, grass, weeds, tree roots, sticks, rubbish and plastics, and any deleterious materials and materials toxic to plants. The topsoil must have a pH of between 5.5 and 7. Use 100% imported soil mix when site when site topsoil runs out.

Equal to ANL Re-Card Podium soil mix. Soil to finish flush with top of wall heights & mounded 300mm above the wall toward the centre of the planterbox. Soil is to be lightly compacted as it is filled in to reduce aeriation & soil drop as it decomposes & settle:

2.02 INSTALLATION

a) Establishing Subgrade Levels
Subgrade levels are defined as the finished base levels prior to the placement of the specified material (i.e. soil conditioner). The following subgrade levels shall apply:

Mass Planting Beds - 300mm below existing levels with specified imported soil mix. Turf areas - 100mm below finished surface level. Note that all subgrades shall consist of a relatively free draining natural material consisting of site topsoil placed previously by the Civil Contractor. No builders waste material shall be acceptable

b) Subgrade Cultivation

Cultivate all subgrades to a minimum depth of 100mm in all planting beds and all turf areas, ensuring a thorough breakup of the subgrade into a reasonably coarse tilth. Grade subgrades to provide falls to surface and subsurface drains, prior to the placement of

Install surface and subsurface drainage where required and as detailed on the drawing. Drain subsurface drains to outlets provided. with a minimum fall of 1:100 to outlets and / or service pits

d) Placement and Preparation of Specified Soil Conditioner & Mixes.

Trees in turf & beds - Holes shall be twice as wide as root ball and minimum 100mm deeper - backfill hole with 50/50 mix of clean site soil and imported "Organic Garden Mix" as supplied by ANL or approved equal.

Mass Planting Beds - Install specified soil conditioner to a compacted depth of 100mm

Place the specified soil conditioner to the required compacted depth and use a rotary hoe to thoroughly mix the conditioner into the top 300mm of garden bed soil. Ensure thorough mixing and the preparation of a reasonably fine tilth and good growing medium in preparation for planting.

Turf Areas - Install specified soil mix to a minimum compacted depth of 75mm

Place the specified soil mix to the required compacted depth and grade to required finished soil levels, in preparation for planting and

PLANTING

a) Quality and Size of Plant Material

All trees supplied above a 25L container size must be grown and planted in accordance with Clarke, R 1996 Purchasing Landscape Trees: A guide to assessing tree quality. Natspec Guide No. 2. Certification that trees have been grown to Natspec guidelines is to be provided upon request of Council's Tree Management Officer

Above - Ground Assessment:

The following plant quality assessment criteria should be followed:

Plant true to type, Good vigour and health, free from pest & disease, free from injury, self-supporting, good stem taper, has been pruned correctly, is apically dominant, has even crown symmetry, free from included bark & stem junctions, even trunk position in pot, good stem structure

Relow - Ground Assessment

Good root division & direction, rootball occupancy, rootball depth, height of crown, non-suckering For further explanation and description of these assessment criteria, refer to Ross Clark's book.

All Plant material shall be to the type and size specified. No substitutions of plant material shall be permitted without written price approval by the Landscape Architect. No plant shall be accepted which does not conform to the standards listed above.

Provide min. 2 No. Stakes and ties to all plants identified as trees in the plant schedule. Stakes shall be sound, unpainted, straight nardwood, free of knots and pointed at one end. They shall be 2200mm x 50mm x 50mm Hardwood, or approved alternative. Ties shall he 50mm wide hessian webbing material

c) Fertilisers

Fertilisers shall be approved slow release fertilisers suitable for the proposed planting types. Note that for native plants, specifically Proteaceae family plants including Grevillea species, low phosphorus fertilizers shall be used.

Mulch shall be an approved equal to "Forest Blend" as supplied by ANL. Mulch shall be completely free from any soil, weeds, rubbish or

Turf shall be "Sir Walter" Buffalo or equivalent (unless stated otherwise), free from any weeds and other grasses, and be in a healthy growing condition

3.02 INSTALLATION

a) Setting Out

All planting set out shall be in strict accordance with the drawings, or as directed. Note that proposed tree planting located near services should be adjusted at this stage. Notify Landscape Architect for inspection for approval prior to planting.

All plant material shall be planted as soon after delivery as possible. Planting holes for trees shall be excavated as detailed and specified. Plant containers shall be removed and discarded, and the outer roots gently teased from the soil mass. Immediately set plant in hole and backfill with specified soil mix, incorporating the approved quantity of fertiliser for each plant type. Ensure that plants are set plumb vertically and root balls set to the consolidated finished grades detailed on the drawings. Compact the backfilled soil and saturate by hand watering to expel any remaining air pockets immediately after planting.

Staking and tying shall be in strict accordance with the drawings and shall occur immediately following plant placement and soil backfilling. All plants identified as "Trees" on the planting schedule shall be staked with a min. 3 stakes

Mulch should be spread so that a compacted thickness of 75mm is achieved after settlement in all planting beds and around each individual plant. Apply immediately following planting and watering in, ensuring that a 50mm radius is maintained around the trunk of each plant. There shall be no mixing of soil and mulch material

Moisten soil prior to the turf being laid. Turf shall be neatly butt jointed and true to grade to finish flush with adjacent surfaces. Incorporate a lawn fertilizer and thoroughly water in. Keep turf moist until roots have taken and sods/rolls cannot be lifted. Keep all traffic off turf until this has occurred. Allow for top dressing of all turf areas. All turf shall be rolled immediately following installation

f) Steel Garden Edging
The Contractor shall install stone edging as shown on the drawings, to all mass planting beds adjoining turf or gravel mulched areas, and where required. The resultant edge shall be true to line and flush with adjacent surfaces.

HARDSCAPE WORKS

4.01 GENERAL

The Contractor shall undertake the installation of all hardscape works as detailed on the drawing, or where not detailed, by manufacturers specification.

Paving - refer to typical details provided, and applicable Australian Standards. Permeable paving may be used as a suitable means of satisfying Council permeable surface requirements, while providing a useable, hardwearing, practical surface. In most instances, the client shall nominate the appropriate paving material to be used.

Australian Standards shall be adhered to in relation to all concrete, masonry & metal work. Some details are typical and may vary on site. All hardscape works shall be setout as per the drawings, and inspected and approved by the Landscape Architect prior to installation. All workmanship shall be of the highest standard. Any queries or problems that arise from hardscape variations should be bought to the attention of the Landscape Architect.

Your attention is directed to any obligations or responsibilities under the Dividing Fences Act, 1991 in respect of adjoining property owner/s which may arise from this application. Any enquiries in this regard may be made to the Crown Lands Division on (02) 8836

IRRIGATION WORKS

5.01 GENERAL (PERFORMANCE SPECIFICATION)

An automated drip-irrigation system is to be installed to all gardens, planters and lawn areas in accordance with the approved

This system shall be designed and installed by a qualified and licensed irrigation specialist, to the highest industry standards and to maximise the efficient usage of water.

The Installer is required to obtain all approvals necessary for the completion of works in accordance with the Laws of Australia. Laws of the State of NSW, Council By-Laws and Ordinances

The Landscape Contractor nominated Licensed Irrigation Specialist shall provide irrigation drawings for approval upon engagement.

Design Requirements:

- The irrigation system shall be installed prior to all planting works. It shall incorporate a commercially available irrigation system, with sub-surface dripper lines to irrigate all gardens, planters and lawn areas. - It shall incorporate a suitable back flow prevention device for the scale of works, an in-line filter, check valves, and suitable high and

low density poly hose fittings and PVC piping to achieve flow rates suitable for specified planting. The irrigation application rate shall not exceed the infiltration rate of the soil or creates run-off.

The landscape contractor shall check the existing pressure available from the ring mains and size irrigation piping to suit. Supply shall be from local hose cock where available.

- All piping and fittings shall be buried 50mm below the finished soil levels in garden and lawn areas, and secured in position at 500mm centres with galv wire pins.

- Size of pipes shall be selected to ensure the working pressure at the end of the line does not decrease by more than 5%

Services Co-ordination:

Co-ordination required by Landscape Contractor or Project Manager to provide required conduit, pipe work and penetration through slabs and planter walls for water and power provisions - The Landscape Contractor shall be engaged with the Irrigation Specialist to co-ordinate with the Project Manager to identify the

preferred service and conduit locations. . Project Manager and Landscape Contractor to establish area suitable for irrigation control system with required area, power

Testing & Defects:

Upon completion of installation, the system shall be tested, including:

- Main Line Pressure Test: The main line is pressurised to test for leaks. All valves are shut and the pressure is taken over a

- Dripper Pressure Test: Measurement at flushing valves are taken and the pressure gauged to make sure it conforms to the manufacturer recommendations. The inlet pressure is then tested under the same conditions to check it does not exceed 300Kpa - All components are to be satisfactorily functional and operational prior to approval. Should any defect develop, or the capacity or efficiency of the system decline during the agreed maintenance system, then these faults shall be immediately rectified Warranty:

· A full 12 month warranty shall be included to cover labour and all parts.

Further Documentation:

On request, a detailed irrigation performance specification report can be issued.

12 MONTH MAINTENANCE

The consolidation and maintenance period shall be 12 months beginning from the approved completion of the specified construction work (Practical Completion). A qualified landscape maintenance contractor shall undertake the required landscape maintenance works. Consolidation and maintenance shall mean the care and maintenance of Contracted works by accepted landscaping or norticultural practices, ensuring that all plants are in optimum growing conditions and appearance at all times, as well as rectifying any defects that become apparent in the contracted works.

This shall include, but not be limited to, the following items where and as required: Watering all planting and lawn areas / irrigation maintenance. Clearing litter and other debris from landscaped areas

Removing weeds, pruning and general plant maintenance. Replacement of damaged, stolen or unhealthy plants. Make good areas of soil subsidence or erosion.

Spray / treatment for Insect and disease control. Fertilizing with approved fertilizers at correct rates.

Mowing lawns & trimming edges each 14 days in summer or 18 days in winter Adjusting ties to Stakes

Maintenance of all paving, retaining and hardscape elements.

On the completion of the maintenance period, the landscape works shall be inspected and at the satisfaction of the superintendent or landscape architect, the responsibility will be signed over to the client



SYDNEY SOUTH STUDIO 29 Marshall Road

KIRRAWEE NSW 2232 m 0417 342 440 johnny@sdstudios.com.au Project LANDSCAPE WORKS

Address

3 DUNKELD AVENUE, HURLSTONE PARK Date 14/07/22 Drawing Title SPECIFICATION Scale NTS@A3

4/8/22 FOR DA FOR DA 14/7/22 FOR CLIENT REVIEW 21/6/22 ISSUE DATE COMMENT REVISIONS

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