# PROPOSED INDUSTRIAL UNITS

323-327 WARRINGAH ROAD, FRENCHS FOREST, NSW 2086

LANDSCAPE CONCEPT PLAN REPORT DA SUBMISSION 30.08.2023 ISSUE E



#### **DRAWING LIST:**

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Design Precedent Images

Landscape Planting Strategy Landscape Masterplan L-03

Landscape Concept Plan: Communal Staff Area L-05

Indicative Plant List L-06

Landscape Sections

Typical Specification & Maintenance Notes L-08

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CLIENT:

### ARCHITECT:



## LANDSCAPE ARCHITECT:



### CARPARK + OFFICE







### NORTH FACADE



#### **COMMUNAL AREA**







## LANDSCAPE PLANTING STRATEGY

**KEY** 

**Carpark and Office** Planting

**Buffer Planting** 



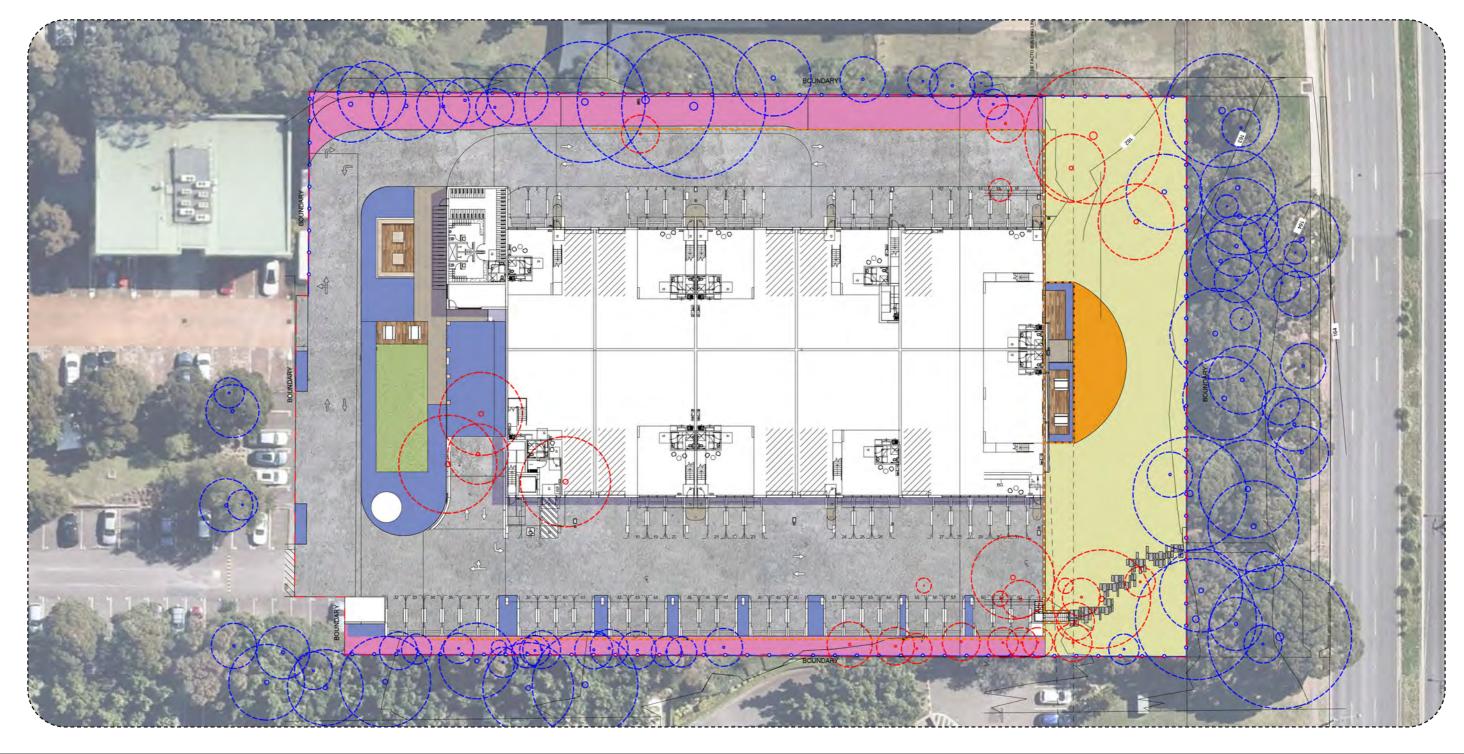
Turf (Communal Area)

**Endemic Bushland** Planting on Embankment



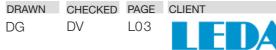
**Bush Tucker Planting** 

NOTE: REFER TO L06 FOR INDICATIVE PLANT LIST



FRENCHS FOREST, NSW 2086

DRAWING TITLE



### LANDSCAPE MASTERPLAN



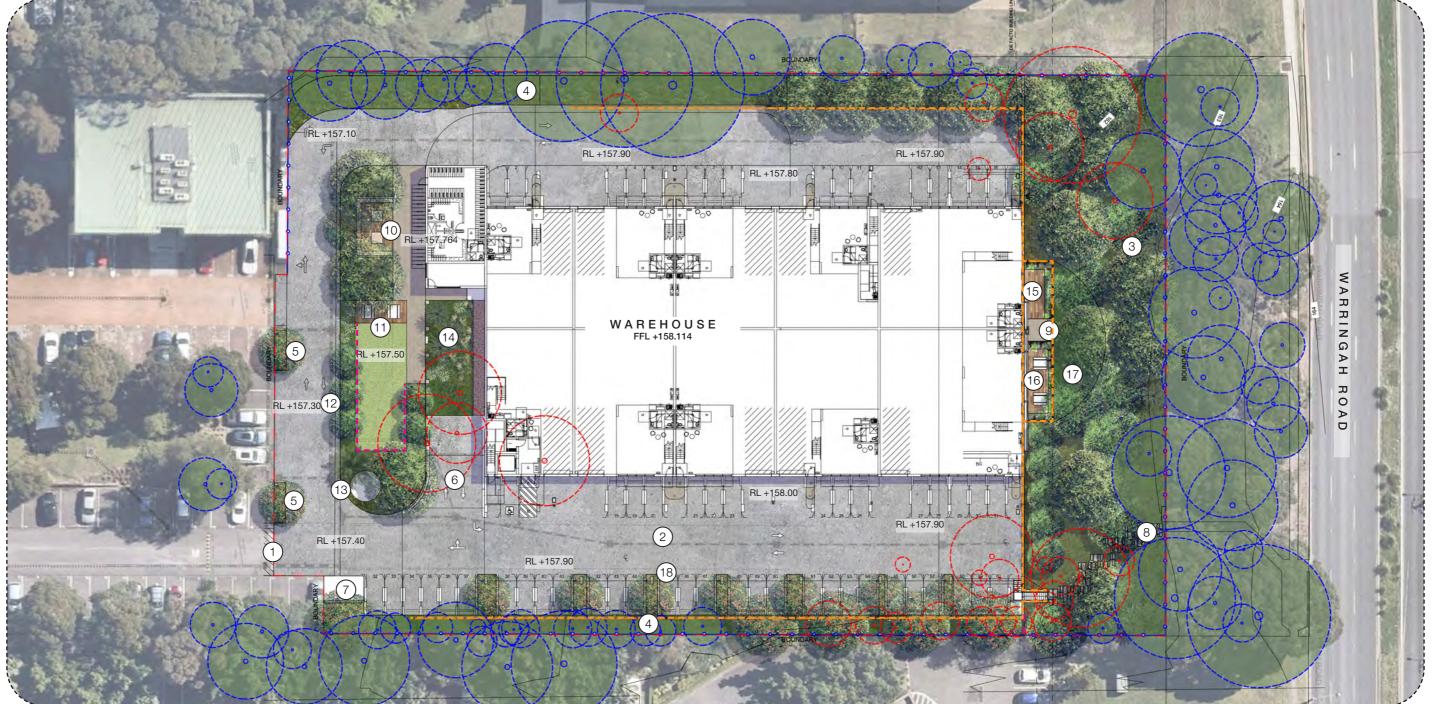
### **DESIGN NOTES**

- 1. VEHICULAR ENTRY / EXIT
- 2. COVERED CAR PARK
- 3. ENDEMIC BUSHLAND PLANTING ON EMBANKMENT
- SCREEN PLANTING UNDER EXISTING TREES TO BE RETAINED + **EMBELLISHED**
- FEATURE TREE PLANTING
- RAMP TO LEVEL ONE
- PROPOSED SUBSTATION
- INFORMAL ACCESS TO WARRINGAH ROAD
- ACCESS TO BUSH TUCKER GARDEN
- 10. RAISED PAVED AREA WITH SEATING WALLS + TABLE SEATS

- 11. RAISED PAVED AREA WITH TABLE SEATS
- 12. SMALL SCREENING TREES (5m HT TREES)
- UNDERGROUND RAINWATER TANK
- 14. SHADE TOLERANT PLANTING UNDER RAMP
- 15. OUTDOOR GARDEN + TIMBER DECK (PERMEABLE) / LOW PLANTING ZONE
- 16. OUTDOOR GARDEN + TIMBER DECK (PERMEABLE) / LOW PLANTING ZONE WITH PICNIC TABLES
- 17. BUSH TUCKER PLANTING AREA
- 18. CAR PARK SHADE TREES



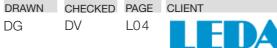




**FRENCHS FOREST, NSW 2086** 

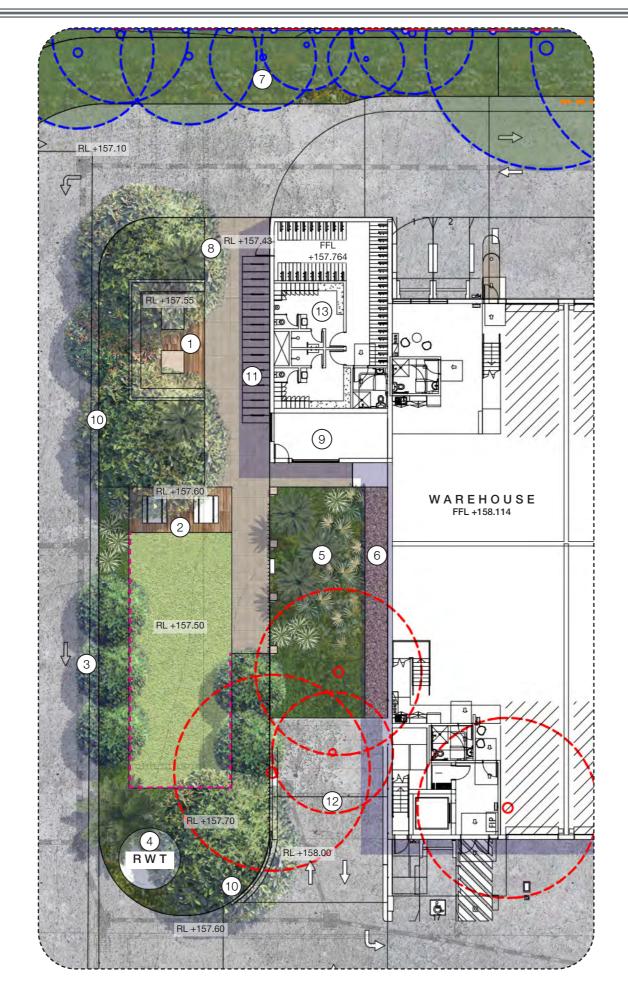
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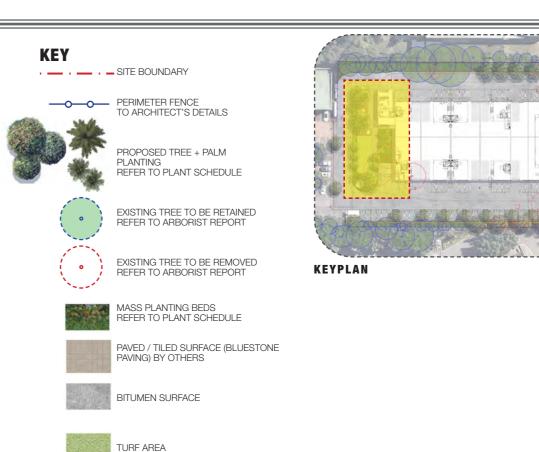












#### **DESIGN NOTES**

- 1. RAISED PAVED AREA WITH SEATING WALLS + TABLE SEATS
- 2. RAISED PAVED AREA WITH TABLE SEATS

SANDSTONE CUBE BLOCKS (500x500x500mm)

- SMALL SCREENING TREES (5m TREES)
- 4. UNDERGROUND RAINWATER TANK
- SHADE PLANTING UNDER RAMP

\_\_\_ GARDEN EDGING

- MAINTENANCE ACCESS
- EXISTING BOUNDARY BUFFER TREES TO BE RETAINED
- TREE FERNS UNDER LARGE CANOPY TREES
- SERVICES / PUMP ROOM
- 10. LARGE CANOPY TREES
- 11. BIKE RACK TO ARCHITECT'S DETAILS
- 12. RAMP TO LEVEL ONE
- 13. END OF TRIP FACILITIES

## INDICATIVE PLANT LIST

BOTANICAL NAME	COMMON NAME	BOTANICAL NAME	COMMON NAME			at v		
TREES AND PALMS		SHRUBS / LOW TREES		The second	400	HANGE LEVEL		
Angophora costata	Sydney Red Gum	Acacia terminalis	Sunshine Wattle	TO MANAGE AND ASSESSMENT OF THE PARTY OF THE	45.50	A Park San		<b>支持</b> 化
Acacia floribunda	Rough-barked Apple	Acacia linifolia	Flax-leaved Wattle		A Property of the Second	A Section		
Banksia serrata	Old Man Banksia	Acacia longifolia	Sydney Golden Wattle		ALL THE PARTY OF			A HAT
Callicoma serratifolia	Black Wattle	Acacia suaveolens	Sweet-scented Wattle			100		
Ceratopetalum apetalum	Coachwood	Acacia ulicifolia	Prickly Moses					
Corymbia gummifera	Red Bloodwood	Banksia ericifolia	Heath-leaved Banksia		Take and the	<b>对自然是</b>		
Eucalyptus botryoides	Bangalay	Banksia oblongifolia	Fern-leaved Banksia	10000000000000000000000000000000000000				
Eucalyptus haemastoma	Scribbly Gum	Banksia robur	Swamp Banksia					
Eucalyptus luehmanniana	Yellow Top Mallee	Banksia spinulosa	Hairpin Banksia	2600 1				and Market and
Eucalyptus pilularis	Blackbutt	Ceratopetalum apetalum	NSW Christmas Bush				14.2	
Eucalyptus piperita	Sydney Peppermint	Darwinia fascicularis var. fascicularis	Darwinia					
Eucalyptus sieberi	Silvertop Ash	Dillwynia retorta	Eggs and Bacon				、	
Eucalyptus umbra	Broad-leaved White Mahogany	Dodonaea triquetra	Common Hop-Bush			TO THE STATE OF		
Tristaniopsis laurina	Water gum	Epacris longiflora	Native Fuschia				2	
Waterhousea floribunda	Weeping Lilly Pilly	Grevillea buxifolia	Grey Spider Flower		Salan "	<b>《李文》</b> (李文章		
Livistonia australia	Cabbage Tree Palm	Grevillea linearifolia	White Spider Flower	The state of the s	验了一场人		A REPLACE	
Cyathea australia	Rough Tree Fern	Grevillea sericea	Pink Spider Flower					
		Grevillea speciosa	Red Spider Flower					Ŷ
BOTANICAL NAME	COMMON NAME	Telopea speciosissima	Waratah		Mr. W.		entamas (	
GROUNDCOVERS, HERBS, CLIMBI	ERS AND GRASSES	Trema aspera	Native Peach					
Actinotus helianthi	Flannel Flower	Xanthorrhoea australis	Grass Tree	¥				
Adiantum aethiopicum	Common Maidenhair	Syzygium sp	Lilly Pilly					
Blechnum sp.	Blechnum	Westringia fruticosa	Coastal Rosemary					
Billardiera scandens	Apple Berry Dumplings	Pittosporum "Miss Muffett"	Japanese Pittosporum	A PROCESSION				
Cissus antarctica	Kangaroo Grape			And chair				
Clematis glycinoides	Native Clematis	BOTANICAL NAME	COMMON NAME					
Cymbopogon refractus	Barbed Wire Grass	BUSH TUCKER PLANTING						ALL THE VIEW I
Danthonia sp.	Wallaby Grass	Backhousia citriodora	Lemon Myrtle					AND WAR
Dianella caerulea	Blue Flax Lily	Austromyrtus dulcis	Midgen Berry or Midyim			ATIL CALL		
Dichelachne sp.	Plume Grass	Macadamia integrifolia	Macadamia Nut					
Doodia aspera	Rasp Fern	Davidsonia pruriens	Davidson's Plum		The state of the s			
Ficinia nodosa	Knobby Club Rush	Backhousia anisata	Aniseed Myrtle		<b>光</b>			
Glycine clandestina	Love Creeper	Syzygium paniculatum	Magenta Cherry					
Goodenia ovata	Hop Goodenia	Syzygium australe	Scrub Cherry			TO THE STATE OF TH		
Hibbertia scandens	Golden Guinea Flower	Acronychia acidula	Lemon Aspen		A shill like pain			
Kennedia rubicundra	Dusky Coral Pea	Disphyma crassifolium 'Hot Stuff'				200		
Lomandra longifolia	Spiny-headed Mat-rush	Carpobrotus glaucescens	Pigface		Chill and the			
Lumanura iungiiulia	Kangaroo Grass	Carpobrotus rossii	Australian pig face					
Themeda australis	0		Desirely of the second					
	Pigface	Davidsonia jerseyana	Davidson's plum					
Themeda australis		Davidsonia jerseyana  NOTES:	Davidson's plum					





**KEYPLAN** 





DRAWING TITLE LANDSCAPE SECTIONS PROJECT NO. PURPOSE SCALE H8-22042

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30.08.2023 DG

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### TYPICAL SPECIFICATION + MAINTENANCE NOTES

#### **SERVICES**

Before landscape work is commenced the Landscape Contractor is to establish the position of all service lines and ensure tree planting is carried out at least 3 metres away from these services. Service lids, vents and hydrants shall be left exposed and not covered by any landscape finishes (turfing, paving, garden beds etc.) Finish adjoining surfaces flush with pit lids.

PLANTING MIXTURE - (300mm DEPTH)

Imported Garden Mix.

Type: Premium

Available: Australian Native Landscapes (ANL)

TURF SOIL MIX (150mm DEPTH)

Type: Turf underlay

Available: Australian Native Landscapes (ANL)

#### **MULCH**

APPLICATION: Place mulch to the required depth, (refer to drawings) clear of plant stems, and rake to an even surface finishing 25mm below adjoining levels. Ensure mulch is watered in and tamped down during installation.

MULCH TYPE: (75mm DEPTH)

Type 1 (Base of Trees):

Pine bark: From mature trees, graded in size from 15mm to 30mm, free from wood slivers. Dark brown in colour and texture

Batters and Edges Re-vegetation Mulch

Shall be "GO Compost" as available from Soilco or approved equal.

#### PI ANT MATERIAL

All plants supplied are to conform with those species listed in the Plant Schedule on the drawings. Generally plants shall be vigorous, well established, hardened off, of good form consistent with species or variety, not soft or forced, free from disease or insect pests with large healthy root systems and no evidence of having been restricted or damaged. Trees shall have a leading shoot. Immediately reject dried out, damaged or unhealthy plant material before planting. All stock is to be container grown for a minimum of six (6) months prior to delivery to site.

#### **FERTILISER**

MASS PLANTING AREAS: Fertiliser shall be 'Nutricote' or approved equivalent in granule form intended for slow release of plant nutrients over a period of approximately nine months. Thoroughly mix fertiliser with planting mixture at the recommended rate, prior to installing plants.

TURF: Shall be Shirleys No. 17 or approved equal thoroughly mixed into the topsoil prior to placing

TREES IN GRASS AND SUPER ADVANCED TREES: Pellets shall be in the form intended to uniformly release plant food elements for a period of approximately nine months equal to Shirleys Kokei pellets, analysis 6.3:1.8:2.9. Kokei pellets shall be placed at the time of planting to the base of the plant, 50mm minimum from the root ball at a rate of two pellets per 300mm of top growth to a maximum of 8 pellets per tree.

#### STAKING AND TYING

Stakes shall be straight hardwood, free from knots and twists, pointed at one end and sized according to size

of plants to be staked.

a. 100-greater than 200litre 3x(1800x50x50mm)

Ties shall be 50mm wide hessian webbing or approved equivalent nailed or stapled to stake. Drive stakes a minimum one third of their length, avoiding damage to the root system, on the windward side of the plant.

**PROJECT** 

Obtain turf from a specialist grower of cultivated turf. turf shall be of even thickness, free from weeds and other foreign matter; lay in stretcher pattern with joints staggered and close butted, perpendicular to gradient of FSL. Water immediately after laying.

TURF TYPE: Couch (Confirm with council prior to construction)

#### LANDSCAPE MAINTENANCE PROGRAM

Maintenance shall mean the care and maintenance of the landscape works by accepted horticultural practice as rectifying any defects that become apparent in the landscape works under normal use. This shall include, but shall not be limited to, watering, mowing, fertilising, re-seeding, returfing, weeding, pest and disease control, staking and tying, replanting, cultivation, pruning, aerating, renovating, top dressing, maintaining the site in a neat and tidy condition as follows:-

#### **GENERAL**

The landscape contractor shall maintain the landscape works for the term of the maintenance (or Plant establishment) period to the satisfaction of the council. The landscape contractor shall attend to the site on a weekly basis. Landlord to maintain all landscape areas in perpetuity (life of the development).

#### WATERING

Grass, trees and garden areas shall be watered regularly so as to ensure continuous healthy growth.

#### RUBBISH REMOVAL

During the term of the maintenance period the landscape contractor shall remove rubbish that may occur and reoccur throughout the maintenance period. This work shall be carried out regularly so that at weekly intervals the area may be observed in a completely clean and tidy condition.

#### REPLACEMENTS

The landscape contractor shall replace all plants that are missing, unhealthy or dead at the Landscape Contractor's cost. Replacements shall be of the same size, quality and species as the plant that has failed unless otherwise directed by the Landscape Architect. Replacements shall be made on a continuing basis after the plant has died or is seen to be missing.

#### STAKES AND TIES

The landscape contractor shall replace or adjust plant stakes, and tree guards as necessary or as directed by the Landscape Architect. Remove stakes and ties at the end of the maintenance period if so directed.

#### PRUNING

General: Prune to reflect the natural growth flowering and regrowth habit of the individual species. Shrubs: Prune after flowering - Spring and Summer and on a spot basis as required. Hedge trimming: Schedule trimming at times which will maintain the character and design of hedges Allow up to three times per season.

Tip pruning: To encourage development of new shoots during the active growing season. Do not remove buds before the flowering season in those plants that have terminal flowers. Radical pruning: To maintain a hedge or formal shape or when a particular problem, growth habit, damage, or disease requires branch removal.

Trees: Prune to eliminate diseased or damaged growth, avoid inter-branch contact and thin out crowns in a natural manner, maintain sight lines to signs and lights, or maintain visibility for personal security. Tree branch removal to AS 4373. Give notice and engage a suitably qualified 'arborist'.

#### MULCHED SURFACES

All mulched surfaces shall be maintained in a clean and tidy condition and be reinstated if necessary to ensure that a depth of 75mm is maintained. Ensure mulch is kept clear of plant stems at all times. Remove all mulching materials off lawn or paved areas and maintain a clean and tidy appearance when viewed on a weekly basis.

#### PEST AND DISEASE CONTROL

The landscape contractor shall spray against insect and fungus infestation with all spraying to be carried out in accordance with the manufacturer's directions. Report all instances of pests and diseases (immediately that they are detected) to the Landscape Architect.

#### GRASS AND TURF AREAS

The landscape contractor shall maintain all grass and turf areas by watering, weeding, re-seeding, rolling, mowing, trimming or other operations as necessary. Seed and turf species shall be the same as the original specified mixture. Grass and turf areas shall be sprayed with approved selective herbicide against broad leafed weeds as required by the Landscape Architect and in accordance with the manufacturer's directions. Grass and turf areas shall be fertilised once a year in autumn with "Dynamic Lifter" for lawns at a rate of 20kg per 100m2. Fertiliser shall be watered in immediately after application. Irregularities in the grass and turf shall be watered in immediately after application. Grass and turf areas shall be kept mown to maintain a healthy and vigorous sward. Mowing height: 30-50mm.

REVISION DATE

#### WEED ERADICATION

Eradicate weeds by environmentally acceptable methods using a non-residual glyphosate herbicide (eg. 'Roundup') in any of its registered formulae, at the recommended maximum rate. Regularly remove by hand, weed growth that may occur or recur throughout grassed, planted and mulched areas. Remove weed growth from an area 750mm diameter around the base of trees in grassed areas. Continue eradication throughout the course of the works and during the maintenance period.

#### SOIL SUBSIDENCE

Any soil subsidence or erosion which may occur after the soil filling and preparation operations shall be made good by the landscape contractor at no cost to the client.

MAITENANCE PERIOD: (26 Weeks) - Confirm with Project Manager

#### IRRIGATION PERFORMANCE SPECIFICATION NOTES

IRRIGATION OVERVIEW - Confirm with Project Manager at tender stage

#### EXTENT (Setback and Landscape Areas)

All mass planting landscape areas and trees are to have full coverage by a fully automatic irrigation system. The design, materials and installation

are to be in accordance with Sydney Water Codes and all relevant Australian Standards.

- 1. An automatic irrigation system is to be installed to all turf and garden bed areas.
- 2. The irrigation system shall be designed and installed by a licensed contractor to relevant Australian standards and Sydney water guidelines.
- 3. The irrigation system shall be connected into the rainwater tank system and pump

Provide 13mm dripline to all garden bed areas with appropriate 13mm joiners. Dripline to be Toro drip or similar with 400mm centre drippers.

Install line at 500mm spacings with the first line to be 150mm in from edge. Install dripline after planting and prior to mulching to allow for an adequate mulch cover. Anchor at 1.5m maximum intervals with u-shaped stakes. Dripline pattern to suit planting.

#### CONTROL VALVES

24v solenoid actuated hydraulic valve with flow control. Control valves to be Toro ezflow series solenoids 25mm or approved equal. Provide a gate valve of the same size immediately upstream of each valve. House both valves in a high impact plastic valve box with a high impact plastic cover at finished ground level. Support the box with bricks on each side. Controller to be Toro greenkeeper or approved equal with a rain switch.

Install a master valve/pressure regulating valve equal to Toro p220 with exreg pressure regulation valve. Filter to be installed equal to Toro y filter 75mm screen filter.

#### CONTROL WIRES

Connect the control valves and soil moisture sensor to the controller with double insulated underground cables laid alongside piping where possible. Lay intertwined for their full length without joints except at the valves and branches off common wires. Provide waterproof connectors.

Provide a backflow prevention device to Sydney water standards AS 3500.

#### RELEVANT AUSTRALIAN STANDARDS

Soil: AS4419, AS3743, AS4454. Mulch: AS4454. Tree Stock: AS2303. Pruning: AS4373. Tree Protection: AS4970.

Contractors to comply with the above Australian Standards.





DRAWING TITLE

PROJECT NO. PURPOSE SCALE

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