

INDUSTRIAL NEIGHBOURS



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KEY PLAN



**LEGEND**

	Existing Tree to be Retained Refer to John Patrick Arborist Report dated October 2022 for detail		Proposed Groundcovers & Grasses Refer to Plant Schedule		Proposed Concrete Hardstand Surface To Later Detail
	Existing Tree To Be Removed Refer to John Patrick Arborist Report dated October 2022 for detail		Proposed Lawn Area Refer to Specification		Proposed Exposed Aggregate Concrete To Later Detail
	Proposed Trees Refer to Plant Schedule		Proposed Trowel Finish Concrete To Later Detail		Reinstated/Repaired Naturestrip Refer to Specification
	Proposed Shrubs Refer to Plant Schedule		Proposed Asphalt Pavement To Later Detail		Proposed Gravel Surface Refer to Specification
			Proposed Retaining Wall To Later Detail		

**PLANT SCHEDULE**

SYM	BOTANICAL NAME	COMMON NAME	DE/NE*	HEIGHT X WIDTH AT MATURITY	MIN SUPPLY SIZE	PLANTING DENSITY	QTY	
<b>TREES</b>								
CeN	<i>Corymbia eximia</i> 'Nana'	Dwarf Bloodwood	EN	8 x 6m	50cm/2.0mH	as shown	21	
							<b>TOTAL</b>	<b>21</b>
<b>SHRUBS</b>								
AcMC	<i>Acacia cognata</i> 'Mini Cog'	Dwarf River Wattle 'Mini Cog'	EN	0.8 x 1.8m	200mm pot	1.4m C-C	To Later Detail	
CvS	<i>Callistemon viminalis</i> 'Slim'	Slim Bottlebrush	EN	3 x 1.3m	200mm pot	1.2m C-C		
RsSB	<i>Rhagodia spinescens</i> 'Silver Border'	Silver Border Rhagodia	EN	1 x 2m clipped	200mm pot	1.5m C-C		
							<b>TOTAL</b>	
<b>GROUNDCOVERS &amp; GRASSES</b>								
DcKA	<i>Dianella caerulea</i> 'King Alfred'	King Alfred Paroo Lily	EN	0.7 x 0.7m	140mm pot	0.8m C-C	To Later Detail	
WIM	<i>Westringia fruticosa</i> 'Mundi'	Groundcover Coastal Rosemary	EN	0.4 x 1.5m	140mm pot	0.8m C-C		
							<b>TOTAL</b>	<b>0</b>

\*D/E = Deciduous/Evergreen N/Ex = Native/Exotic

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**JOHN PATRICK** LANDSCAPE ARCHITECTS PTY LTD  
324 Victoria Street, Richmond, VIC 3121  
T +61 3 9429 4855 F +61 3 9429 8211  
admin@johnpatrick.com.au www.johnpatrick.com.au

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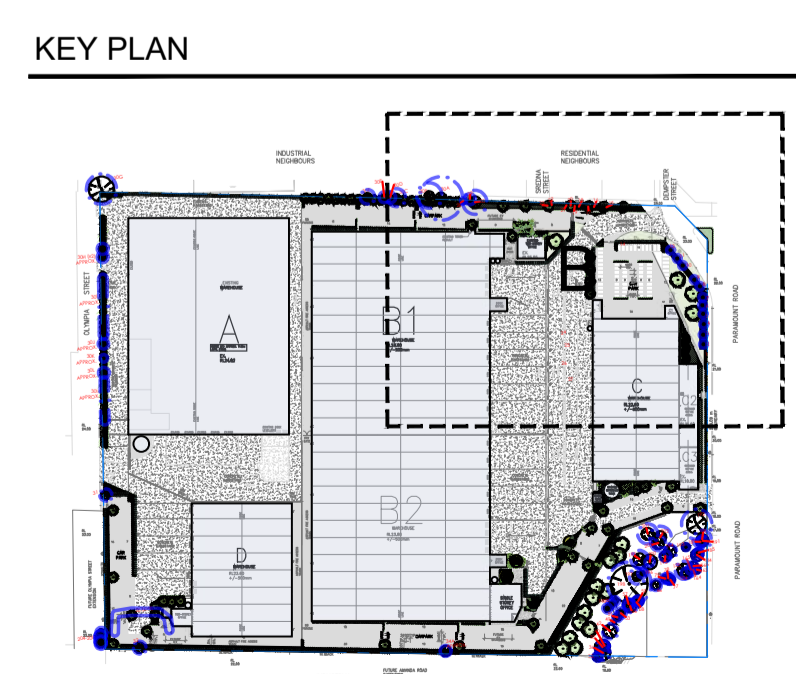
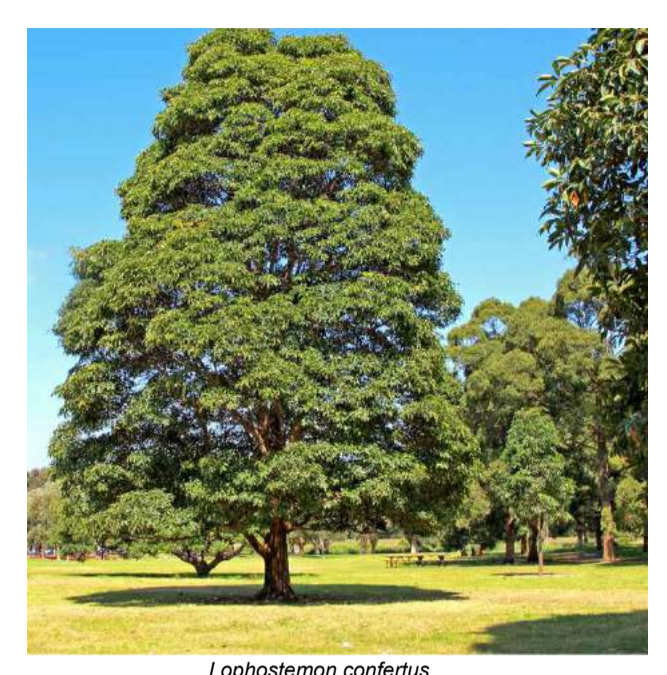
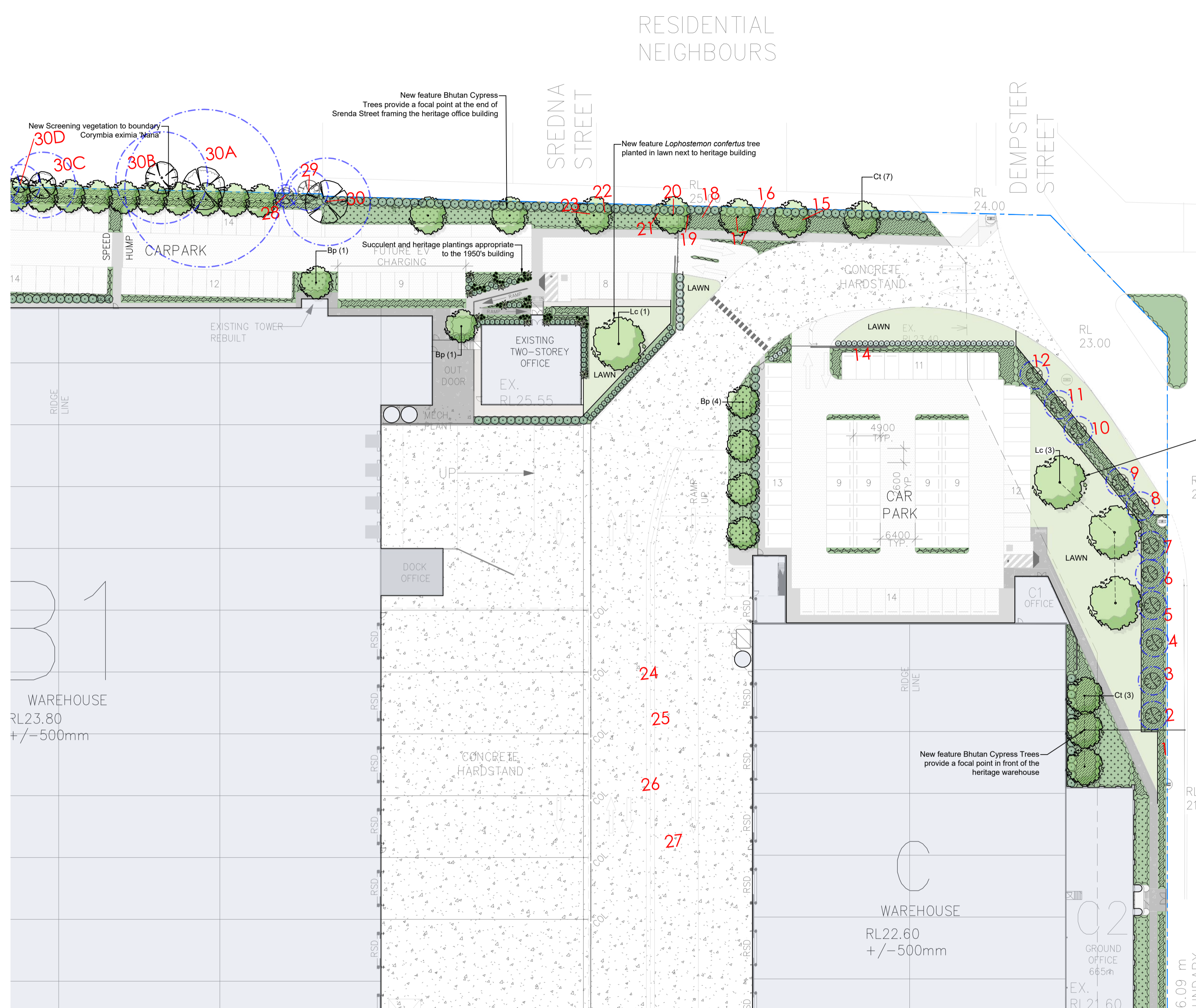
PROJECT  
**Proposed Industrial Development**

35-65 Paramount Road, Tottenham

DRAWING  
Landscape Plan - Area A  
for Town Planning

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DATE OCT 2022  
DRAWN KD  
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JOB NO 22-316  
DWG NO TP01  
CAD FILE 22-316 L-TP01-05.dwg





**LEGEND**

	Existing Tree to be Retained Refer to John Patrick Arborist Report dated October 2022 for detail		Proposed Groundcovers & Grasses Refer to Plant Schedule		Proposed Concrete Hardstand Surface To Later Detail
	Existing Tree To Be Removed Refer to John Patrick Arborist Report dated October 2022 for detail		Proposed Lawn Area Refer to Specification		Proposed Exposed Aggregate Concrete To Later Detail
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			Proposed Retaining Wall To Later Detail		

**PLANT SCHEDULE**

SYM	BOTANICAL NAME	COMMON NAME	DE/NE*	HEIGHT X WIDTH AT MATURITY	MIN SUPPLY SIZE	PLANTING DENSITY	QTY
<b>TREES</b>							
Ct	<i>Cupressus torulosa</i>	Bhutan Cypress	E/Ex	12 x 8m	50cm/2.0mH	as show n	10
Bp	<i>Brachychiton populensis</i>	Kurradjong	E/N	10 x 6m	50cm/2.0mH	as show n	6
Lc	<i>Lophostemon confertus</i>	Queensland Brush Box	E/N	12 x 8m	50cm/2.0mH	as show n	4
						<b>TOTAL</b>	<b>16</b>
<b>SHRUBS</b>							
By	<i>Beschornia yuccoides</i>	Mexican Lily	E/Ex	1 x 1.5m	200mm pot	0.8m C-C	
CBS	<i>Ceanothus 'Blue Sapphire'</i>	Blue Sapphire Californian Lilac	E/Ex	1 x 1.5m	200mm pot	1.2m C-C	
ROP	<i>Raphiolepis indica 'Oriental Pearl'</i>	Oriental Pearl Indian Haw thorn	E/Ex	1 x 1m	140mm pot	0.8m C-C	
RsSB	<i>Rhagodia spinescens 'Silver Border'</i>	Silver Border Rhagodia	E/N	1 x 2m clipped	200mm pot	1.5m C-C	
SaR	<i>Syzygium australe 'Resilience'</i>	Resilience Lilly-illy	E/N	3 x 1.2m (Clipped)	200mm pot	1.2m C-C	
						<b>TOTAL</b>	<b>0</b>
<b>GROUNDCOVERS &amp; GRASSES</b>							
Af	<i>Aloe fireworx</i>	Fire orx Aloe	E/Ex	0.9 x 0.6m	140mm pot	0.8m C-C	
Cs	<i>Convolvulus sabatius</i>	Moroccan Bellflower	E/Ex	0.3 x 1.5m	140mm pot	0.8m C-C	
LIN	<i>Lomandra longifolia 'Nyalla'</i>	Nyalla Mat-rush	E/N	0.8 x 0.8m	140mm pot	0.8m C-C	
Ss	<i>Senecio serpens</i>	Blue Chalk Sticks	E/Ex	0.2 x 0.6m	140mm pot	0.6m C-C	
						<b>TOTAL</b>	<b>0</b>

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PROJECT  
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Acacia melanoxylon



Callistemon 'Kings Park Special'



Callistemon 'Slim'



Correa glabra



Westringia 'mundi'

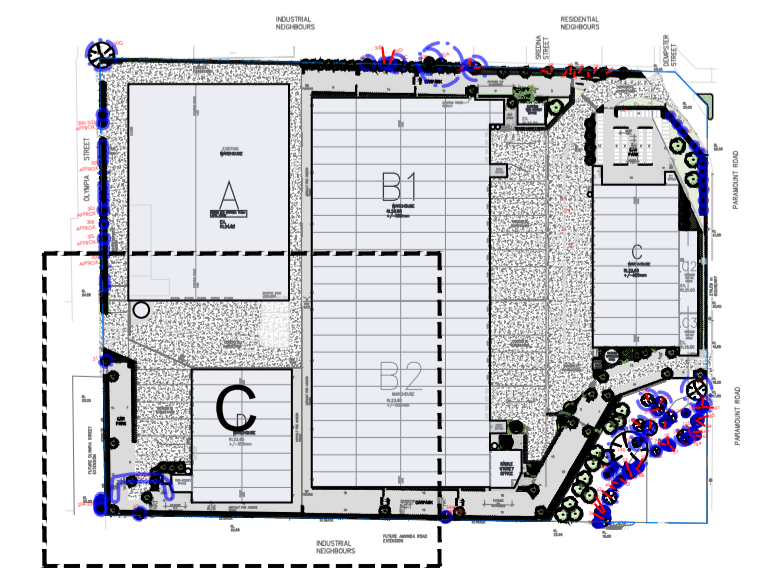


Hardenbergia 'Meema'



INDUSTRIAL NEIGHBOURS  
FUTURE AMANDA ROAD EXTENSION

KEY PLAN



LEGEND

- Existing Tree to be Retained  
Refer to John Patrick Arborist Report dated October 2022 for detail
- Existing Tree To Be Removed  
Refer to John Patrick Arborist Report dated October 2022 for detail
- Proposed Trees  
Refer to Plant Schedule
- Proposed Shrubs  
Refer to Plant Schedule
- Proposed Groundcovers & Grasses  
Refer to Plant Schedule
- Proposed Lawn Area  
Refer to Specification
- Proposed Trowel Finish Concrete  
To Later Detail
- Proposed Asphalt Pavement  
To Later Detail
- Proposed Concrete Hardstand Surface  
To Later Detail
- Proposed Exposed Aggregate Concrete  
To Later Detail
- Reinstated/Repaired Naturestrip  
Refer to Specification
- Proposed Gravel Surface  
Refer to Specification
- Proposed Retaining Wall  
To Later Detail

PLANT SCHEDULE

SYM	BOTANICAL NAME	COMMON NAME	D/E N/Ex*	HEIGHT X WIDTH AT MATURITY	MIN SUPPLY SIZE	PLANTING DENSITY	QTY
<b>TREES</b>							
Am	Acacia melanoxylon	Blackwood	EN	12 x 6m	50cm/2.0mH	as shown	6
CKPS	Callistemon 'Kings Park Special'	Kings Park Bottlebrush	EN	6 x 4m	30cm/1.2mH	as shown	5
						<b>TOTAL</b>	<b>11</b>
<b>SHRUBS</b>							
AcMC	Acacia cognata 'Mini Cog'	Dwarf River Wattle 'Mini Cog'	EN	0.8 x 1.8m	200mm pot	1.4m C-C	To Later Detail
CvS	Callistemon viminalis 'Slim'	Slim Bottlebrush	EN	3 x 1.3m	200mm pot	1.2m C-C	
Cg	Correa glabra	Rock Correa	EN	1.2 x 1.2m	200mm pot	1.2m C-C	
						<b>TOTAL</b>	<b>0</b>
<b>GROUNDCOVERS &amp; GRASSES</b>							
HvM	Hardenbergia violacea 'Meema'	Meema Purple Coral Pea	EN	0.3-0.45 x 1-2m	140mm pot	0.8m C-C	To Later Detail
WFM	Westringia fruticosa 'Mundi'	Groundcover Coastal Rosemary	EN	0.4 x 1.5m	140mm pot	1.0m C-C	
						<b>TOTAL</b>	<b>0</b>

\*D/E = Deciduous/Evergreen N/Ex = Native/Exotic

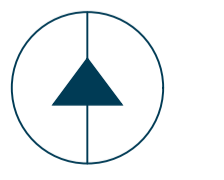
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LANDSCAPE ARCHITECTS PTY LTD  
324 Victoria Street,  
Richmond, VIC 3121  
T +61 3 9429 4855  
F +61 3 9429 8211  
admin@johnpatrick.com.au  
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Tottenham

DRAWING  
Landscape Plan - Area C  
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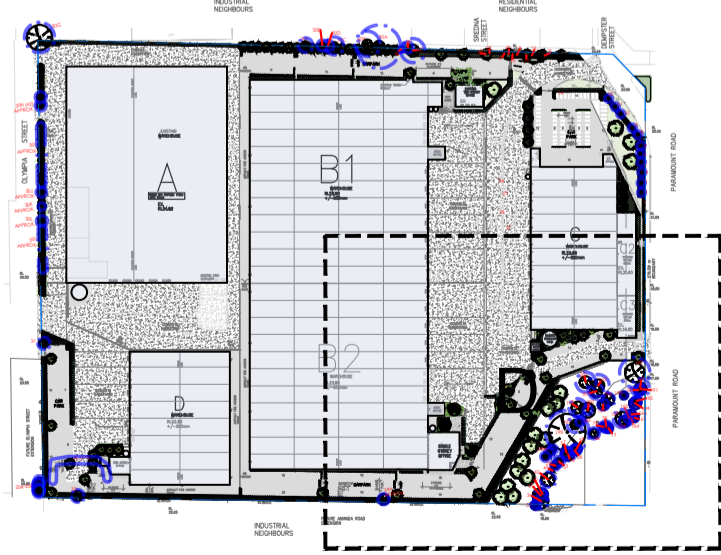
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TURE AMANDA ROAD  
TENSION

KEY PLAN



LEGEND

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					Proposed Retaining Wall To Later Detail

PLANT SCHEDULE

SYM	BOTANICAL NAME	COMMON NAME	D/E/EX*	HEIGHT X WIDTH AT MATURITY	MIN SUPPLY SIZE	PLANTING DENSITY	QTY
<b>TREES</b>							
Am	<i>Acacia melanoxylon</i>	Blackwood	E/N	12 x 6m	50cm2.0mH	as shown	5
Bp	<i>Brachychiton populensis</i>	Kurrajong	E/N	10 x 6m	50cm2.0mH	as shown	6
Em	<i>Eucalyptus melliodora</i>	Yellow Box	E/N	20 x 10m	50cm2.0mH	as shown	12
FpUU	<i>Fraxinus pennsylvanica</i> 'Uddell Urbanite'	Uddell Urbanite Green Ash	D/Ex	13 x 8m	50cm2.0mH	as shown	5
Hf	<i>Hymenosporum flavum</i>	Native Frangipani	E/N	10 x 6m	50cm2.0mH	as shown	3
						<b>TOTAL</b>	<b>31</b>
<b>SHRUBS</b>							
Aa	<i>Acacia acinacea</i>	Gold Dust Wattle	E/N	1.5 x 1.5m clipped	200mm pot	1.4m C-C	
AcMc	<i>Acacia cognata</i> 'Mini Cog'	Dwarf River Wattle 'Mini Cog'	E/N	0.8 x 1.8m	200mm pot	1.4m C-C	
CVS	<i>Callistemon viminalis</i> 'Slim'	Slim Bottlebrush	E/N	3 x 1.3m	200mm pot	1.2m C-C	
Cg	<i>Correa glabra</i>	Rock Correa	E/N	1.2 x 1.2m	200mm pot	1.2m C-C	
RsSB	<i>Rhagodia spinescens</i> 'Silver Border'	Silver Border Rhagodia	E/N	1 x 2m clipped	200mm pot	1.5m C-C	
						<b>TOTAL</b>	<b>0</b>
<b>GROUNDCOVERS &amp; GRASSES</b>							
DcKA	<i>Dianella caerulea</i> 'King Alfred'	King Alfred Paroo Lily	E/N	0.7 x 0.7m	140mm pot	0.8m C-C	
GFRM	<i>Grevillea</i> 'Poirinda Royal Mantle'	Groundcover Grevillea	E/N	0.3 x 4m	140mm pot	2.0m C-C	
HVM	<i>Hardenbergia violacea</i> 'Meema'	Meema Purple Coral Pea	E/N	0.3-0.45 x 1-2m	140mm pot	0.8m C-C	
LIT	<i>Lomandra longifolia</i> 'Tanika'	Tanika Mat-rush	E/N	0.50-0.6 x 0.65m	140mm pot	0.5m C-C	
MpY	<i>Myoporum parvifolium</i> 'Yareena'	Creeping Boobialla Yareena	E/N	0.1 x 1m	140mm pot	0.8m C-C	
WIM	<i>Westringia fruticosa</i> 'Mund'	Groundcover Coastal Rosemary	E/N	0.4 x 1.5m	140mm pot	1.0m C-C	
						<b>TOTAL</b>	<b>0</b>

\*D/E = Deciduous/Evergreen N/EX = Native/Exotic



*Acacia melanoxylon*



*Brachychiton populensis*



*Eucalyptus melliodora*



*Fraxinus 'Uddell Urbanite'*



*Hymenosporum flavum*

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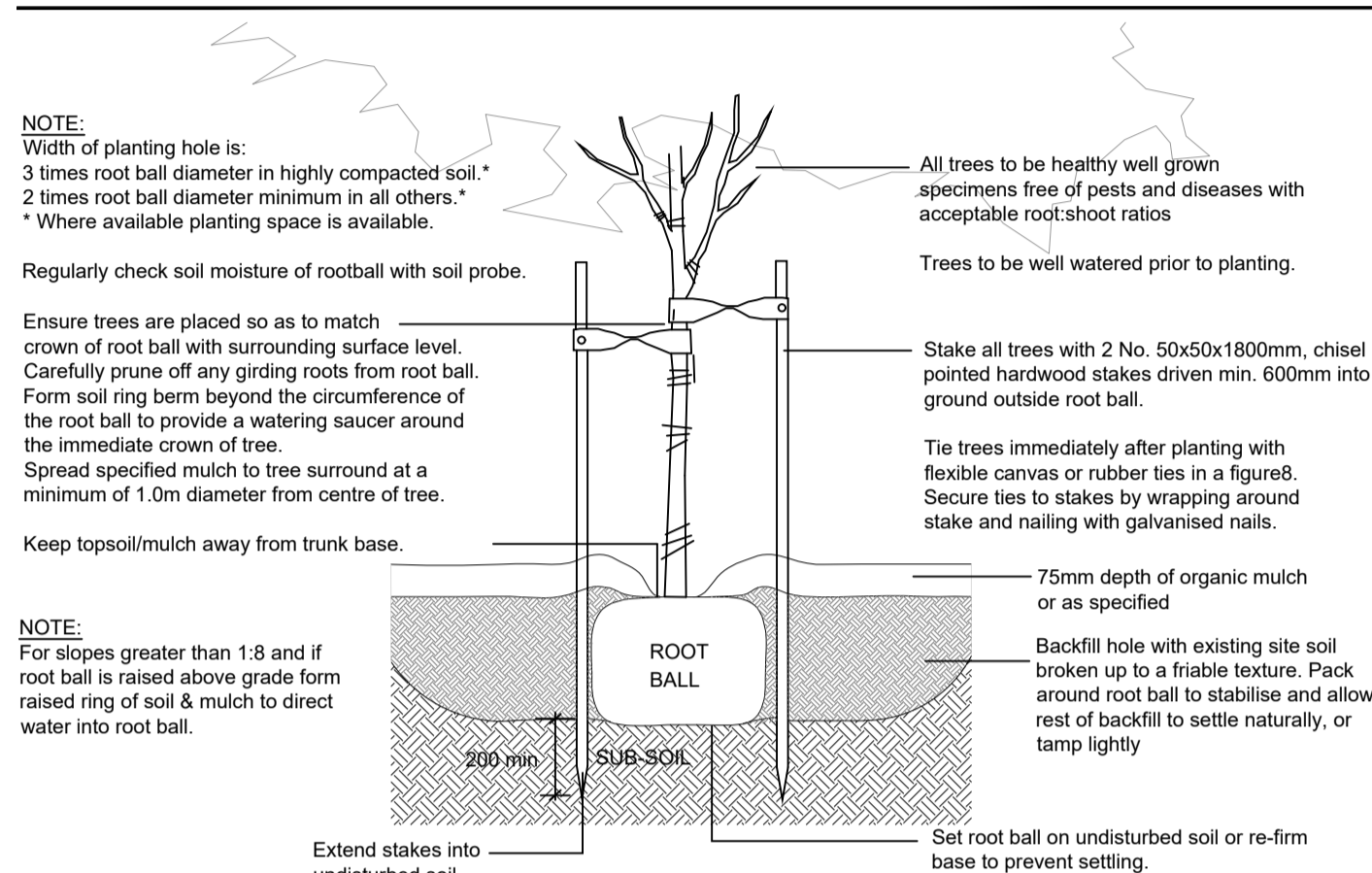
PROJECT  
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Tottenham

DRAWING  
Landscape Plan - Area D  
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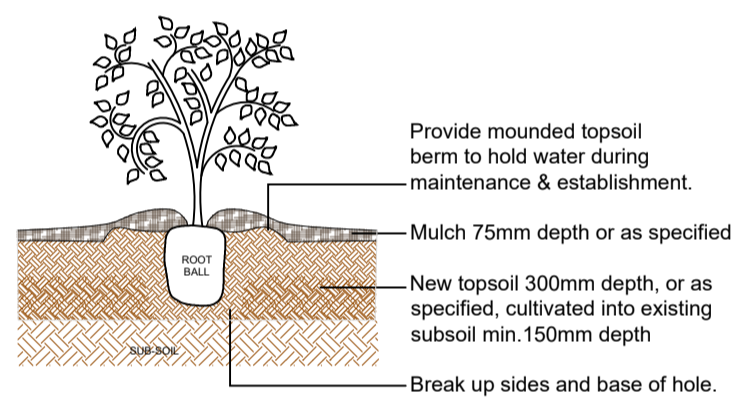
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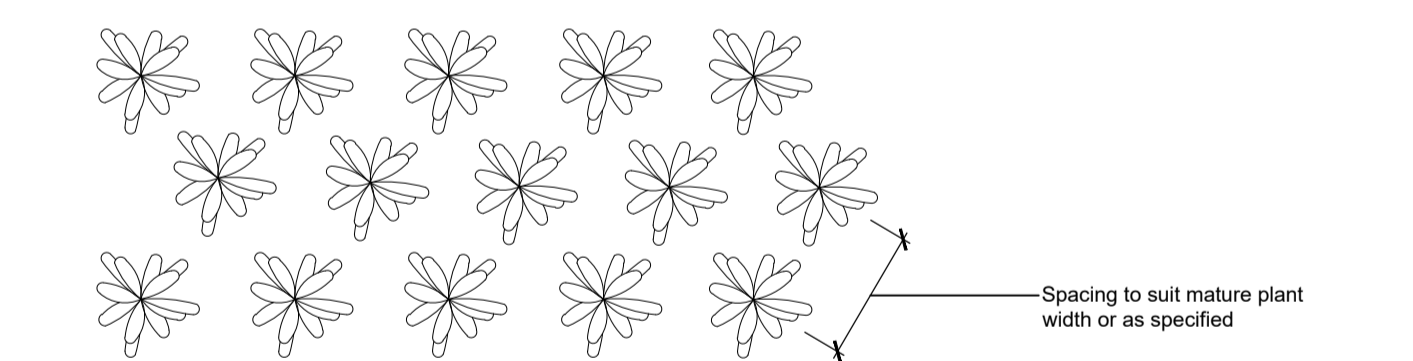
TYPICAL PLANTING DETAILS



**D1** TYPICAL TREE PLANTING DETAIL  
Scale N.T.S.



**D2** TYPICAL SHRUB PLANTING DETAIL  
Scale N.T.S.



**D3** TYPICAL PLANTING LAYOUT PLAN - Grasses & groundcovers  
Scale 1:50

SPECIFICATION NOTES

**Soil Preparation**  
Crushed rock, concrete spillage and any other material restrictive to plant growth (e.g. large rocks) shall be removed from the site of any planting beds and semi-advanced trees. All trees to be removed shall be stump ground and all rubbish/vegetative spoil is to be removed from site. Existing top soil in planting areas is to be preserved so that it does not receive additional compaction from site machinery and so that no rubble or building supplies are stored in these areas.

No imported top soil is to be used within the root zones of trees to be protected. Any preparation of existing soil for planting within these areas is to be done by hand only. Holes (e.g. as the result of plant removal) and uneven soil levels may be patched using topsoil as specified below. Any imported topsoil is to be free of weeds, rubble and other materials damaging to plant growth and is to be of a medium texture (sandy loam) with a pH of 6.0-7.0. Top soil is to be laid over a prepared sub-base which has had any materials damaging to plant growth (e.g. rubble and large rocks) removed, spread to the appropriate depth and cultivated into the existing site soil to a minimum depth of 150mm. Imported top soil is to be lightly and uniformly compacted in 150mm layers to a minimum depth of 100mm on lawn areas and 300mm on excavated planting beds.

**Weed Removal**  
All weeds shall be thoroughly removed. All vegetative material, including roots and rhizomes of non-woody perennials and woody suckering weeds, is to be removed or appropriately controlled using chemical means. The stumps of non-suckering woody perennials are to be stump ground. All vegetative material shall be appropriately disposed of off site in a manner which will not allow their re-establishment elsewhere. Any chemical controls are to be used in accordance with manufacturer's instructions and standard occupational health and safety procedures. Care must be taken to ensure that all trees to be retained are not damaged during weed removal. This also implies that any herbicides used are suitable for use around the vegetation to be retained.

**Planting**  
Planting shall be carried out using accepted horticultural practices with all plants conforming to the species, size and quantities indicated on the Landscape Plan and Plant Schedule. Plants shall be thoroughly soaked through immersion in water prior to planting and if the planting soil is very dry then the planting hole is also to be filled with water and allowed to drain completely. All plants shall be appropriately hardened off in the nursery. Use plants with the following characteristics: Large healthy root systems with no evidence of root cut or pot bound restriction or damage, vigorous, well established, free from disease and pests and of good form, consistent with the species or variety.

Planting holes for shrubs and groundcovers are to be of minimum size 75mm larger than the planting pot in all directions. Semi-advanced tree planting holes are to be the same depth as the rootball and 2-3 times its diameter, with the top of the rootball being at grade. A 75mm high berm is to be constructed at edge of root-ball to hold water. All plants are to be thoroughly watered after planting and slow release fertiliser added at the quantities specified by the manufacturer.

**Mulch**  
Mulch is to be supplied to all garden beds and is to be an organic type laid to a minimum depth of 75mm, consisting of fine dark coloured chipped or shredded pine bark or hardwood with not more than 5% fines content by volume (preferably zero fines). The average size of the woodchip must be approximately 10mm x 20mm x 5mm and the maximum length is not to exceed 30mm. Mulch shall be free of damaging matter such as soil, weeds and sticks and is to be stockpiled and thoroughly weathered prior to delivery. Mulch is to be kept back 100mm from the stems of all plants to prevent collar rot.

**Granitic Gravel Surface**  
Granitic gravel is to be installed where shown comprising of a 50mm layer of gravel (Tuscan Toppings or similar) over a base course of 75mm deep gently compacted Fine Crushed Rock. Each layer, including the subgrade is to be appropriately compacted.

**Timber Edges**  
Provide 75 x 25mm treated pine edges to all borders between gravel mulch paths, lawn areas and garden beds using 75x25x300mm long treated pine stakes at 1200mm maximum centres. An additional stake is to be provided at joints in the plinth.

The Landscape Contractor shall warrant the entire system against faulty workmanship and materials during the Defects Liability Period - 52 weeks from the Date of Practical Completion. The Sub-contractor shall meet all the cost of repairing and making good defective work and replacement of components during the Defects Liability Period.

At Practical Completion the Irrigation Sub-contractor shall provide the Landscape Architect with an Operations and Instruction manual, which shall include a list of all components used in the system, together with their brand names and model numbers.

**Lawn - Turf**  
'Sapphire' Soft Leaf Buffalo turf (or similar) is to be supplied to lawn areas as shown. Turf is to be supplied by a specialist grower and is not to be allowed to dry out between cutting and laying. Turf should be laid in a stretcher pattern so that joints are staggered and is to be lightly tamped following laying. All lawn areas are to be thoroughly watered following planting and fertilised with an appropriate lawn starter at the quantities recommended by the manufacturer.

**Repair/Restoration of damaged Nature-strips**  
Nature strips are to be restored to current grades with any depressions filled with topsoil to specifications above and lightly compacted in 150mm layers. Areas are then to be re-seeded

using an appropriate and matching turf type and the area fenced off to allow the re-establishment of lawn. Re-seeded areas are to be well irrigated and the area supplied with a slow release fertiliser at the quantities recommended by the manufacturer. Any areas of lawn which have failed to germinate (achieve an evenly green 95% covering of a consistent height) are to be re-seeded within one month of original sowing date.

**Plant Establishment Period**  
There shall be a 13 weeks Plant Establishment Period following the approval of Practical Completion by the responsible authority. During this period the landscape contractor shall make good all defects in his/her scope of works. Maintenance and Establishment means the care and maintenance of the contract area by accepted horticultural practices, as well as rectifying any defects that become apparent in the work under normal use. This shall include, but shall not be limited to watering, fertilising, weeding, pruning, pest and disease control, cultivation, re-staking and replacement of any plants that fail with plants of the same species and size.

IRRIGATION SPECIFICATION

**EXTENT OF WORKS**  
The landscape contractor is to design, supply and install a complete and effective automatic, irrigation system to all lawn areas, garden beds, raised planters, and trees. This system is to be connected to a mains back-up supply.

The landscape contractor is to submit 3 sets of irrigation design plans for approval at least 2 weeks prior to installation.

The Landscape Contractor shall allow for the supply and installation of UPVC pipework, backflow device, solenoid valves, filters, pressure regulators, automatic controller, integrated dripline, fittings and solenoid valve multicore wiring of sufficient length to reach the proposed automatic controller location.

The Landscape Contractor shall ensure that methods chosen, irrigation theory and practice applied, equipment selected, materials incorporated, installation techniques used and maintenance procedures adopted, shall provide the most appropriate, effective and robust system for the long-term maintenance of the new landscape.

Upon completion of the contract, the site shall be left in a tidy condition free from rubbish and surplus excavated materials, to the satisfaction of the Landscape Architect.

Scope: This guide is to be used in conjunction with standard Council Irrigation Specifications which usually do not provide any specific details regarding the installation of drip irrigation systems both under mulch or sub-surface. The information in this guide should be used when installing drip irrigation system in conjunction with further product details on the irrigation plan. Specification on the irrigation plan will always take precedent over the information in this guide. Under no circumstances are any variations to be made to the drip system design or installation without prior authorization from the site supervisor.

STANDARDS AND WORKMANSHIP

All work, materials, methods and testing shall conform to the requirements of the relevant Australian Standards and Codes. The most recent issue of the Standards shall apply.

WARRANTIES AND GUARANTEES

The Landscape Contractor shall warrant the entire system against faulty workmanship and materials during the Defects Liability Period - 52 weeks from the Date of Practical Completion. The Sub-contractor shall meet all the cost of repairing and making good defective work and replacement of components during the Defects Liability Period.

At Practical Completion the Irrigation Sub-contractor shall provide the Landscape Architect with an Operations and Instruction manual, which shall include a list of all components used in the system, together with their brand names and model numbers.

**SOLENOID VALVE**  
Hunter ICV Solenoid valve is to be installed to the main-line and housed in a lockable valve box (at least 250mm in diameter) that shall have sufficient room to access and maintain the valve. All wiring into the valve enclosure shall be looped to allow for expansion and contraction and servicing. Only one valve per valve box unless otherwise agreed with the site supervisor. All valve boxes shall be supported by bricks to ensure that the valve box does not come in direct contact with the pipe work. The contractor shall place gravel to a depth of 50mm in the bottom of the valve enclosure.

**FILTERS**  
Arkal disc filter with a mesh size of 120 mesh (130 micron) shall be installed on all drip-lines either immediately downstream of the solenoid valve or at the head works. Ensure that the filter is fully installed prior to the flushing of any drip-lines or sub-mains. Filter shall be accessible for servicing and installed in an appropriately sized valve box which shall be free of any dirt or debris. The contractor shall place gravel to a depth of 50mm in the bottom of the valve enclosure.

**TECHFILTER**  
Tech-filter is required wherever the drip-line is buried directly into the soil (SDI) and installed immediately downstream of the filter. Ensure that the Techfilter is installed prior to the installation of any drip-line. Tech-filter shall be accessible for servicing and installed in an appropriately sized valve box which shall be free of any dirt or debris. The contractor shall place gravel to a depth of 50mm in the bottom of the valve enclosure. The contractor shall also ensure that the appropriate back-flow device is used whenever a Tech-filter is used. The contractor shall also record the date that the Techfilter cartridge should be changed (normally every two (2) years) and fix this to the Techfilter body.

**PRESSURE REDUCING VALVE**  
Pressure reducing valve is to be installed downstream of the Filter (or in SDI, Tech-filter). Ensure that the pressure reducing valve is accessible for adjustment (refer to flow & pressure data on plan) and servicing purposes and housed in an appropriately sized valve box which shall be free of dirt or debris. The contractor shall place gravel to a depth of 50mm in the bottom of the valve enclosure. Pressure regulators shall be adjusted to achieve a minimum of 120kPa at the furthest flow or vacuum air valve from the solenoid valve.

**DRIP-LINE INSTALLATION**  
Netafim ASXR Drip-lines will be installed in a grid formation at 0.3m centres. All lateral lines will be connected to a feed and collecting sub-main. All lateral lines are to be installed according to the plans provided ensuring that all laterals are laid uniformly, free of any kinks or restrictions and are staked down at regular intervals.

Unless otherwise specified on the irrigation plan all drip-line is to be installed to the recommendations listed below: (mm) surface (mm)

Soil Type   Drip Spacing   Lateral Spacing Min.   Depth Below Surface	Light	300	300	50
Medium	400	400	50	
Heavy	500	500	125	

**AIR/VACUUM RELEASE VALVES**  
Air/vacuum release valves are to be installed at the highest point on each drip station preferably at the highest point on all feed and collecting lines. Where headers / collectors are lower than the tube, a vacuum release header shall be installed, complete with extra AVR's as required. The contractor shall locate the air/vacuum release valves in consultation with the site supervisor prior to installing them in an appropriately sized valve box which shall be free of any dirt or debris. The contractor shall place gravel to a depth of 50mm in the bottom of the valve enclosure.

The contractor shall also allow for an additional 30% more AVR's to allow for site conditions. AVR's shall be installed at a minimum of 1 per 45m of flow.

FLUSH VALVES

Flush valves shall be installed at either the lowest or furthest point on all feed/collecting sub-mains. The contractor shall locate the flush valve in consultation with the site supervisor prior to installing them in an appropriately sized valve box which shall be free of any dirt or debris. The contractor shall place gravel to a depth of 50mm in the bottom of the valve enclosure.

**PRESSURE REDUCING VALVE**  
Ensure that the pressure reducing valve is functioning properly. Test the line pressure at the furthest point of the drip-line to ensure that correct operating pressures are maintained. Adjust the pressure reducing valve accordingly.

**BACKFLOW DEVICE**  
The Landscape Contractor shall allow for an approved RPZD backflow device to be installed to prevent contamination to towns water supply.

**INSTALLATION & HANDOVER**  
Thoroughly flush the drip-line out at least three times prior to checking the drip-line to ensure that there are no leaks from any fittings or any damage to the drip-line. Drip-line maximum run length shall not be exceeded (refer to plan). The contractor shall notify the supervisor 24 hours prior to testing and backfilling.

The contractor shall record the flow rate - after the pressure has stabilised - of each drip station for a minimum period of 10 minutes. These figures to be used in future testing/maintaining of the drip system. This data will be forwarded onto the site supervisor for future reference, and also recorded on the as constructed drawings.

Upon practical completion the contractor will handover the system to the site supervisor. Handover will include:  
Practical run down of the system installation & operation  
Back-flow registration form  
'As laid plan' of the irrigation system  
Manufacturer's manuals  
Drip station flow data, including pressure drop across the filters.

**SYSTEM MAINTENANCE**  
System maintenance shall take place at the start, midway and end of the irrigation season.

AUTOMATIC CONTROLLER AND PROPOSED LOCATION

The location of the irrigation controller is to be placed externally on and outside wall of the house at a suitable location to be determined by the Superintendent. The controller is to be a Hunter PRO-C model.

**DRIPLINE IRRIGATION ZONES**  
All sub-surface Dripline shall be brown/black in colour with an outside diameter of 16mm and an inside diameter of 13.2mm and shall be connected to 25mm LDPE, sub-mains, using a NETAFIM L16SP-NG connector. All sub-surface Dripline shall be the following:

NETAFIM - Techline ASXR dripline with 1.6 LPH, self-cleaning, pressure compensating trickle emitters spaced at 0.3 metre centres.

LAWN POP UP SPRINKLERS

Hunter 'MP Rotator' lawn pop-up sprinklers are to be supplied to all lawn areas at appropriate intervals and shall be connected to 25mm LDPE, sub-mains. Install half sprays where applicable to avoid overspray onto paved areas.

RAIN-SHUT OFF DEVICE

The Landscape Contractor is to install a rain-shut off device as part of the irrigation system.

COMMISSIONING

The Landscape Contractor shall be responsible for the testing and satisfactory performance of the complete irrigation system. The Landscape Contractor is to allow for on-site training in the operation of the automatic irrigation system.

**MAINTENANCE & DEFECTS LIABILITY PERIOD**  
The Landscape Contractor shall maintain the completed and commissioned irrigation system for a period of 52 weeks after the Date of Practical Completion.

REVISION DATE BY

**JOHN PATRICK**  
LANDSCAPE ARCHITECTS PTY LTD  
324 Victoria Street,  
Richmond, VIC 3121  
T +61 3 9429 4855  
F +61 3 9429 8211  
admin@johnpatrick.com.au  
www.johnpatrick.com.au

CLIENT  
**Paramount Victoria Plus**

PROJECT  
**Proposed Industrial Development**

35-65 Paramount Road,  
Tottenham

DRAWING  
Landscape Details & Specification Notes  
for Town Planning

SCALE 1:100 @A1  
DATE OCT 2022  
DRAWN KD  
CHECKED KD  
JOB NO 22-316  
DWG NO TP04  
CAD FILE 22-316 L-TP01-05.dwg

