

PLANTING AND OPEN SPACE ELEMENTS SCHEDULE. SEE L02 FOR BUSHLAND ZONE PLANTING

All plants should be true to nominated botanical listing and be able to grow to mature heights scheduled. Plants should be ordered within THREE months of the completion of building construction works to ensure supply of scheduled materials.

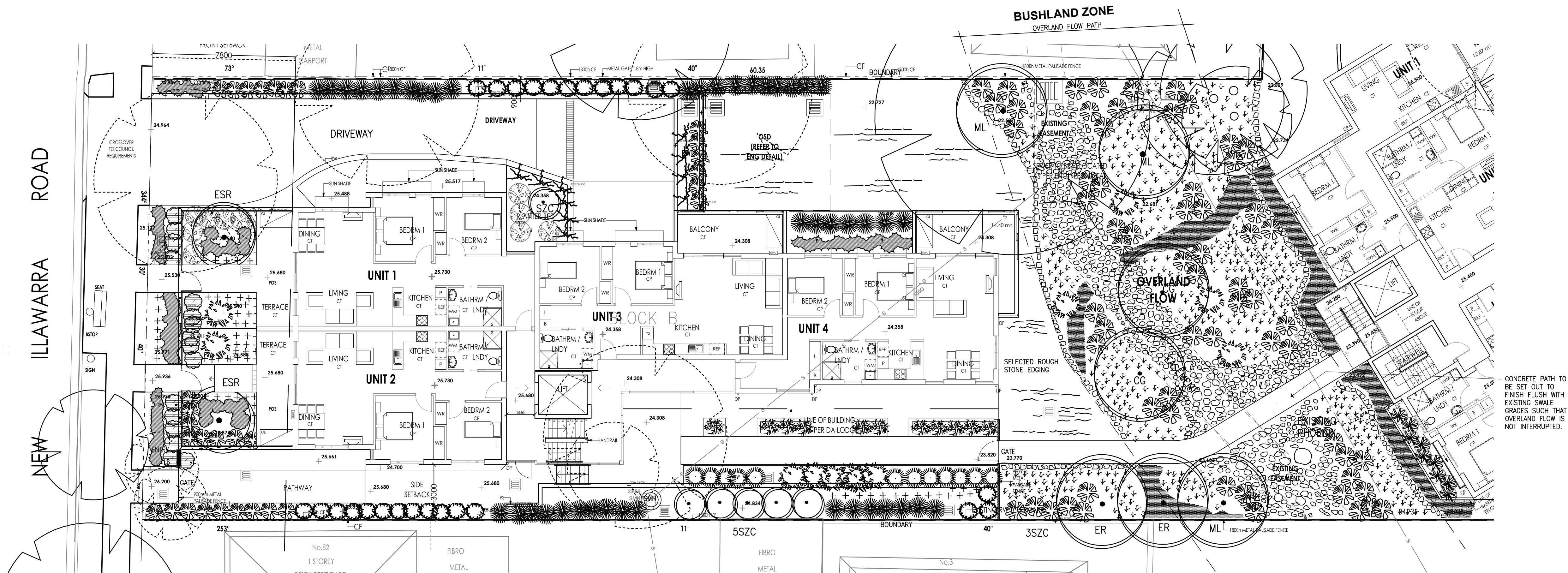
PLANTS HELD ON SITE PRIOR TO PLANTING MUST BE MAINTAINED TO NURSERY CARE STANDARDS AND WATERING FREQUENCIES FOR THE PERIOD BETWEEN DELIVERY AND INSTALLATION.

Substitutions are not acceptable without prior approval.  
Generally ground cover and tufting plant / native grass quantities rounded to nearest ten

SPECIES	SYMBOL	Supply Size (Min) To comply with Natspec	Approx. Mature Size (This location)	Stake and Tie	No
Existing trees retained on site and adjacent to site. Protect under AS4970					
Existing trees to be removed					
<i>Elaeocarpus reticulatis</i> Blueberry Ash	ER	55 ltr	To 8m	Yes	2
<i>Callistemon "Dawson River"</i> Bottlebrush (Street Trees)	CV	45 ltr	To 6m x 4m	Yes	2
<i>Eucalyptus "Summer Red"</i> Grafted Red Flowering Gum	ESR	25 ltr	To 5m x 4m	Yes	3
<i>Syzygium "Cascade"</i> Weeping Lillipilli	SZC	25 ltr	To 3-4m x 2-3m	No	11
<i>Doryanthes excelsa</i> Gymea Lily		Specimen	To 4m	No	2
<i>Grevillea "Misty Pink"</i> Pink Grevillea		5 ltr	To 2.4m	No	27
<i>Camellia sasanqua</i> (Selected Cultivar) Camellia		5 ltr	To 2.0m	No	12
<i>Syzygium australe</i> var "Resilience" Dwarf Lillipilli		5 ltr (min)	1.5 - 2m x 1.5m	No	57
<i>Acmena "Alyn's Magic"</i> Dwarf Lillipilli		5 ltr	To 700mm	No	36
<i>Callistemon vr "white Anzac"</i> Dwarf Callistemon		5 ltr	To 900mm	No	59
<i>Gaedenia florida "radicans"</i> Dwarf Gardenia		5 ltr	To 1000mm	No	12
<i>Rhapis execlsa</i> Rhapis Palm		25 ltr	To 1.5m	No	11
<i>Hardenbergia violacea</i> Native Sarsparilla		5 ltr	Scramber	No	11
<i>Clivia miniata</i> Natal Lily (Shade hardened)		5 ltr	Strap leaf to 700mm	No	12

<i>Scaevola aemula</i> Fairy Fan Flower		150mm Pot	Ground Cover	No	45
<i>Dianella revoluta</i> "Little Rev" Dwarf Flax Lily		5 ltr	Strap leaf to 700mm	No	12
Permeable non reflective Gravel Mulch			Washed clean rounded river gravel free from sharp material and dust		
Selected "Paimetto" Buffalo Turf (or approved equal)					
Side and Rear Boundary Fencing (timber lapped and capped only or Colorbond as nominated)			1800 high 900 high max		
Stormwater Pit					
<b>STREET TREES</b> STREET TREES SHALL BE THE SPECIES NOMINATED OR SPECIES AS SET OUT BY THE LOCAL AUTHORITY IN DEVELOPMENT CONSENT DOCUMENTS. STREET TREES SHALL BE PLANTED IN BEDS PREPARED AS PLANTER BEDS AS SPECIFIED ON THIS DRAWING. 900mm X 900mm WITH 100 X 50 EDGE BOARD ALL ROUND. SET FLUSH WITH FOOTPATH TURF SUCH THAT THERE IS NO TRIP PLANE. PRIOR TO PREPARING BEDS FOR STREET TREES VERIFY THE LOCATION OF ALL FOOTPATH SERVICES WITH ALL RELEVANT AUTHORITIES AND, WHERE NECESSARY, RE-LOCATE TREES SUCH THAT SERVICES ARE NOT DISTURBED. EXCAVATION AND CULTIVATION WORKS ASSOCIATED WITH PREPARATION FOR STREET TREES SHALL BE CARRIED OUT BY HAND TO MINIMISE ANY POTENTIAL DAMAGE TO ANY EXISTING INSTALLATIONS NOT LOCATED THROUGH SITE INVESTIGATION. FOOTPATH SERVICE COVERS AND PAVEMENT, AND EXISTING TURF ALL ARE TO BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGE TO THESE COMPONENTS SHALL BE MADE GOOD AS A PART OF THE SITE LANDSCAPE WORKS. TURF REPAIR SHALL BE IN THE SAME GRASS SPECIES AS EXISTING.					
<b>FOOTPATH REPAIR: REMOVAL OF VEHICULAR CROSSINGS.</b> WHERE REMOVAL OF REPLACEMENT OF VEHICULAR CROSSING IS SHOWN ON THE DRAWINGS. DEMOLITION AND REPLACEMENT OF SUCH CROSSINGS SHALL INCLUDE THE FOLLOWING WORKS IN RESPECT TO SOFT LANDSCAPE FINISHES TO THE RE-CONSTITUTED FOOTPATH. 1. CROSSING REMOVAL SHALL INCLUDE DEMOLITION AND REMOVAL OF ALL CONCRETE AND REINFORCEMENT AS FOUND, ALSO REMOVE ANY ROADBASE OR SIMILAR BASECOURSE MATERIAL. 2. VERIFY THAT REMNANT SUBSOIL AS FOUND AS FOUND AFTER DEMOLITION IS FREE FROM ALL ROADBASE AND ANY OTHER MATERIAL HAVING A pH IN EXCESS OF 7.5. REPLACEMENT TOPSOIL SHALL COMPRISE INTRODUCED TOPSOIL MIX INCORPORATING SITE PARENTS SOILS ALL AS SPECIFIED ON THE DRAWINGS. ALLOW TO GRADE AND FILL TO MEET THE CROSS FALL REQUIRED BY THE LOCAL AUTHORITY					





### SOFT LANDSCAPE WORKS OUTLINE SPECIFICATION:

NOTE: THE FOLLOWING AUSTRIAN STANDARDS SHALL BE APPLICABLE TO WORKS INCLUDED IN THIS SPECIFICATION.  
AS 4419: Soils for Landscaping and Garden Works  
AS 4454: Composts, Soil Conditioners and Mulches  
AS 1428: Stair and Paving Safety  
AS 4970: Protection of Trees on Development Sites

**PREAMBLE:** Prior to commencement of Landscape Works on site, the Landscape Contractor shall be fully familiarised with the Conditions of Development Consent and the local Development Control plan to the extent that both documents should be fully complied with for the construction of these works. Where there is a conflict between this drawing (or Drawings) and the statutory requirements refer the matter to Precinct Landscapes to assist with resolution.

#### 1: SITE PREPARATION

Prior to the commencement of any site landscape works, remove all building rubbish and debris from the site, remove all weed growth and unwanted remnant plant material. Form up all ground surfaces, allowing for grades for drainage as required, and to levels allowing for landscape preparation and finishes to proceed. Allow for supplementary and introduced topsoils as later specified, to achieve finished levels. Build up, and / or reduce formation levels to enable landscape finishes to be finished off flush with adjacent boundary levels, pits, pathways, kerbs, and garden edging.

To each garden area, including mulched zones around trees in lawn, (including street trees), deep rip and cultivate all material, as found, to a mean depth of 300 mm for the whole of the garden bed. To lawn areas, reduce ripping and cultivation to a depth of 100 mm. All cultivated material shall be reduced to a fine tilth; in the process of cultivation, remove all stones and excess clay underburden sufficient to allow for introduced topsoil specified below.

To garden areas, supplement cultivated soils with introduced topsoil mix comprising 40% coarse river sand, 30% composted hardwood fines, or equal composting, and 30% fine loam. Imported topsoil shall have a pH in the range 5.5 – 7.0, and shall comply with AS4419. This imported material shall be added to garden areas at a rate of the equivalent of a 100 mm thick layer of material placed over the whole of the cultivated area. Introduced material shall be mixed into cultivated site soil to create a mix of site and imported soil, to a mean depth of 300 mm. In clay soils add Gypsum at a rate of 300 grams/sq.meter in the process of cultivation. All building up to levels or bulk fill shall be carried out in introduced material.

NOTE 1: Where mulched beds are to be formed around an existing tree, or group of existing trees, preparation shall be limited to the following works:

- Within the critical root zone, as defined by a consulting arborist, remove all weed and grass growth.
- Limit cultivation to a depth of 150mm, and carry out all cultivation works BY HAND ensuring that major tree roots near the surface are not damaged.
- Soil supplementation shall be limited to addition of Gypsum to soils as found only.
- Mulch as later specified. Keep mulch clear of plant stems, and clear of any exposed roots.

e) Planting within the critical root zone shall be limited to native grasses and ground covers only; planting works shall be carried out by hand, with no disturbance of the primary root structure of existing trees.

The foregoing works are to be similarly applied to any neighbouring tree having its root zone potentially within this site.

All works associated with existing trees shall comply with AS4970.

#### 2: TURFING

Areas to be turfed shall be graded after cultivation to create an even surface ready to receive screeding and turf, as specified below. 1 grading, allow for all falls to drainage outlets as required to allow for free drainage of the turfed zones, and for drainage to pits, a required. Following grading, provide and lay a screeded topsoil mix comprising 50% loam, 40% coarse sand and 10% dried and shredded fowl manure.

Screeding shall be laid to a mean depth of 20 mm and shall be screed board levelled to an even surface, and to required falls, read to receive turf. Damp down with a fine spray immediately prior to the placement of turf.

Turf shall be Palmetto Buffalo, or approved alternative, supplied a rolls, placed without joints in the prepared screed material. Deep water turf immediately following placement, and light roll surface following watering, levelling out any uneven zones.

#### 3: EDGING

Garden edges shall be face brick on edge laid in a continuous mortar bed not less than 75mm deep and shouldered to minimise lateral movement of bricks. Provide full expansion joints at 3.00 metres and 2 full bricks from each change of direction of edging. Brick joints shall be shell bedded and struck flush. NOTE: Facebrick edging is to be provided to Dandabong Avenue frontage, where there is no fencing.

NOTE: Except where otherwise detailed, garden edging shall finish flush with adjacent turf and mulch such that the three surfaces are in the same plane, and allow free overland flow from one sector to the next.

#### 4: PLANTING

Plant out all plant materials to the set out noted on the drawings and to the quantity scheduled. Check set out of tall trees and shrub against locations of overhead wiring. Where a potential future failure of services may occur, relocate trees clear of wires within reasonable distance of original location. Do not place trees within 3.000 c buildings except where directed to do so.

All plants shall be species as scheduled, true to type, mature for the container size, not root bound and ready for planting. Plant scheduled as 'shade hardened' are proposed for area predominately in the shade and shall have been under shade conditions for at least two months prior to delivery.

Plants other than native grasses, reeds and rushes, placed into either overland flow swales or detention basins shall be undercut 100mm to allow free flow of water through the swale.

NOTES:

#### NOTES:

- All plants shall be planted from 45 litre containers (Min.)
- All Trees and shrubs scheduled or supplied in 25 litre or greater size containers must be grown and planted in accordance with Natspec guidelines. Certification that this requirement has been met shall be included in Occupation Certification for this project. Such Certification shall be provided by an AGF Level 3 Arborist.

#### 5: MULCHING

Mulch all planter areas within 24 hours of planting, taking care that mulch is placed free from plant stems.

Organic or vegetative mulch shall comprise weed free leaf litter, or similar flake or woodchip material of irregular dimension containing not less than 65% chunky material (ie material larger than a minimum dimension of 5mm), placed to a mean depth of 75 mm. Gravel Mulch shall be washed rounded river gravel equal to Nepean Gravel to pass 18mm down to 10 mm sieve, evenly graded placed in a 40 mm layer. Scoria or equal lightweight gravels or sharp gravels are not acceptable. Gravels should not retain any dust, spent Portland Cement, roadbase or other materials having either a mineral oil, chemical or alkaline content.

NOTE: Plastic or 'weed matting' barriers between mulch and soils ARE NOT TO BE USED.

#### 6: STAKING AND TYING

Stake and tie all plants schedule, and all plants supplied in 25 litre, or greater size containers. Stakes shall be 37 x 37 x 1800 long hardwood or equal and embedded 400mm. Ties shall be hessian, or equal non-abrasive material, securely anchored to stakes, and looped around plant stems in a figure of eight pattern. Ties shall be set at the approximate half height of each plant, and shall be adjusted such that plants can flex and that lateral growth is not disturbed. Remove stakes and ties at completion of Establishment Period.

NOTE: All nursery canes, stakes and ties supplied with plants shall be removed at the time planting. Trees and shrubs are not to be staked.

#### 7: ESTABLISHMENT AND CONTINUING SITE LANDSCAPE MANAGEMENT

The establishment period shall be not less than six months. The following works shall be carried out as regular routine, with attendances to be carried out to meet minimum watering requirements.

NOTE: Where there is a local authority bond on the establishment landscape works, the period of establishment and maintenance for landscaping on this project shall be the period to which the bond is applicable.

1.1: Regularly deep water all areas. Turf shall be watered at minimum intervals of twice per week until turf has achieved a height of 50mm above planted height at which time initial mowing shall be carried out. Turf shall be regularly mown and watered thereafter. All grass clippings shall be removed from the site. Mulched areas shall be deep watered at minimum intervals of one week.

1.2: Replace any plants that do not progress, or die, during the maintenance period.

1.3: Keep all grassing and planted zones in a weed free condition; treat all plants which suffer disease or insect infestation within this period.

#### 8: SITE

PROTECTION OF TREES RETAINED ON AND ADJACENT TO

(Note: This clause applies to trees on site, and any tree within 5,000 of the site)  
Existing trees so indicated shall be retained. The trees shall be protected for the period of construction by the erection of a fence not less than 1800 high, or the alternative minimum required by the local authority, set out to the limits defined by the consulting Arborist and AS 4970. Refer to Arborist's report, where applicable, which should be read in conjunction with this drawings and specification.

The protected zone within this fence shall not be interfered with in any way during construction; the protected area shall be mulched at the time of erection of the protection fences with leaf litter mulch to a thickness of 75 mm and the fenced zone shall be regularly watered.

Finishing landscape works within tree protection areas shall be carried out on ground levels as found, with minimum cultivation. Provide similar protection to primary root zones of trees on adjoining properties where primary root zones project into the property.

#### 8A: LANDSCAPE CONSTRUCTION ON SUSPENDED SLABS

NOTE: Prior to carrying out any landscape filling on suspended slabs ensure that all drainage to all beds has been installed and that concrete surfaces bases do not hold water.  
Filling shall be carried out to the following sequences:  
9.1: Line top of exposed detention basin with 30mm "Atlantis Drainage Cell" or equal; all cell to be faced with Filter fabric. Over Cell provide an day a minimum 30 layer of washed fine sand, or sand as recommended by the filter fabric manufacturer.  
9.2: Over sand layer, supply and install pre-mixed comprising 60 % coarse washed river sand, 20% composted sawdust and 20% garden topsoil. Place soil in layers each 125 deep over sand to a finished soil layer of 250mm.  
9.3: Contain soil with brick walls to ends and sides of detention basins as detailed.

### BUSHLAND ZONE PLANTING AND SURFACE TREATMENT. FINISH WITH ORGANIC MYLCH EXCEPT WATERCOURSE.

SPECIES	SYMBOL	Supply Size (Min) To comply with Natspec	Approx. Mature Size (This location)	Stake and Tie	No
<i>Melaleuca linarilifolia</i> Snow in Summer	ML	45 ltr	To 8m	Yes	3
<i>Casuarina glauca</i> swamp Oak	CG	45 ltr	To 10m	Yes	2
<i>Doryanthes excelsa</i> Gymea Lily		Specimen	To 4m	No	4
Mixed Shrub Groupings 3-5 plants only comprising: <i>Callistemon Viminalis</i> "Captain Cook" <i>Callistemon subulatis</i> Dwarf Bottlebrush <i>Banksia robur</i> Swamp Banksia		ALL 5 ltr	Mixed mature height  900mm  1.2m	No	20 each
<i>Native Grasses; Rushes</i> <i>Lomandra "Tankika"</i> Tanika <i>Poa labillardieri</i> Tussock Grass		Tube	To 700mm	No	600mm ctrs
Watercourse zone (to follow alignment of easement, with widened variations as shown) <i>Ficinia nodosa</i> Knobby Club Rush <i>Ficinia inundata</i> Sedge <i>Juncus usitatus</i> Common Rush		Tube	Planting to be carried out between Random river rock or equal mixed large stone surfacing	No	Assume plants at 1,000 ctrs throughout
Cement Bound decomposed granite 1,000 wide access pathways					