

Design Vision: Lorikeet Grove



Sections CC: Creekline Corridor



KEY PLAN (not to scale)



KEY

- 1 Adjoining Allotment adjoining allotment to south: Anglicare Warriewood Brook
- 2 Narrabeen Creek Narrabeen Creek adjoining rear boundary of subject site
- 3 Riparian Zone creekline bank rehabilitation, stabilisation and regrading as required, max. 1:3 grade
- 4 50m Public Creekline Corridor bushland restoration of existing weed infested EEC Swamp Sclerophyll Forest on Coastal Floodplains
- 5 Native Flora & Fauna Corridor bushland restoration of existing weed infested EEC Swamp Sclerophyll Forest on Coastal Floodplains
- 6 Landscape Edge shared pathway to be raised above existing ground levels to mitigate impact to existing retained trees
- 7 2.5m Shared Pathway elevated shared pedestrian/cycleway path to connect to adjoining developments, above 20% AEP flood level - FRP / GRP surface material
- 8 Transition Buffer vegetation transition/buffer to adjoining residential allotments

Design Vision: Creekline Corridor



Planting Scheme

The planting palette and species selection has been informed by the local context and landscape character of the Warriewood Valley including the Endangered Ecological Community (EEC) located on the site. Planting to the communal and open space areas is to consist of hardy, low-water use species requiring little maintenance. A focus on species with foliage and flower interest complimented by unique forms will ensure a high level of visual amenity is afforded to tall open space areas. Street trees and buffer planting along Warriewood Road and Lorikeet Grove is to provide a defined edge and transition to the built portion of the site and ensure provision of natural shade, softening of the streetscape and contribution to the canopy cover of the site. Planting for the creekline corridor is detailed within the attached planting plan, has been informed by the Biodiversity Management Plan prepared for the site and focuses on weed removal and establishment of species consistent with PCT 1795 - Coastal Flats Swamp Mahogany Forest which forms part of EEC: Swamp Sclerophyll Forest on Coastal Floodplains. Preparation of detailed planting plans for the upper portion of the site is to be completed as part of detailed design development.



Planting: Creekline Corridor

Note: All planting and weed management practices within the Creekline Corridor are to be undertaken in accordance with the recommendations of the Biodiversity Management Plan (BMP) prepared by Cumberland Ecology dated 24 June 2021.

Planting Schedule: Creekline Corridor

Botanical Name	Common Name	Height	Spacing	Pot Size
Trees				
<i>Allocasuarina torulosa</i>	Rose She-Oak	8m	1/4m ²	viro tube
<i>Banksia integrifolia</i>	Coast Banksia	8m	1/4m ²	viro tube
<i>Casuarina glauca</i>	Swamp Oak	15m	1/4m ²	viro tube
<i>Elaeocarpus reticulatus</i>	Blueberry Ash	8m	1/4m ²	viro tube
<i>Eucalyptus robusta</i>	Swamp Mahogany	20m	1/4m ²	viro tube
<i>Eucalyptus botryoides</i>	Bangalay	20m	1/4m ²	viro tube
<i>Eucalyptus piperita</i>	Sydney Peppermint	20m	1/4m ²	viro tube
<i>Glochidion ferdinandi</i>	Cheese Tree	10m	1/4m ²	viro tube
<i>Livistona australis</i>	Cabbage Tree Palm	15m	1/4m ²	viro tube
<i>Melaleuca linariifolia</i>	Snow-in-summer	8m	1/4m ²	viro tube
<i>Notelaea longifolia</i>	Large Mock-olive	9m	1/4m ²	viro tube
<i>Pittosporum undulatum</i>	Sweet Pittosporum	8m	1/4m ²	viro tube
Shrubs & Perennials				
<i>Acacia longifolia</i>	Sydney Golden Wattle	6m	4/m ²	viro tube
<i>Dodonaea triquetra</i>	Large-leaf Hop Bush	3m	4/m ²	viro tube
<i>Eupomatia laurina</i>	Bolwarra	4m	4/m ²	viro tube
<i>Hibiscus diversifolius</i>	Swamp Hibiscus	2m	4/m ²	viro tube
<i>Homalanthus populifolius</i>	Bleeding Heart	6m	4/m ²	viro tube
<i>Polyscias sambucifolia</i>	Elderberry Ash	2m	4/m ²	viro tube
<i>Synoum glandulosum</i>	Scentless Rosewood	5m	4/m ²	viro tube
Grasses & Groundcovers				
<i>Baumea juncea</i>	Bare Twig-rsh	1m	4/m ²	viro tube
<i>Blechnum camfieldii</i>	Eared Swamp Fern	1m	4/m ²	viro tube
<i>Blechnum indicum</i>	Swamp Water Fern	0.8m	4/m ²	viro tube
<i>Calochlaena dubia</i>	Rainbow Fern	1.5m	4/m ²	viro tube
<i>Gahnia clarkei</i>	Tall Saw Sedge	2m	4/m ²	viro tube
<i>Hibbertia scandens</i>	Snake Vine	0.3m	4/m ²	viro tube
<i>Juncus usitatus</i>	Common Rush	1m	4/m ²	viro tube
<i>Phragmites australis</i>	Common Reed	2m	4/m ²	viro tube
<i>Pteridium esculentum</i>	Bracken Fern	1m	4/m ²	viro tube
<i>Smilax glycyphylla</i>	Sweet Sarsparilla	0.3m	4/m ²	viro tube
<i>Solanum americanum</i>	Glossy Nightshade	1.5m	4/m ²	viro tube
<i>Viola hederaceae</i>	Native Violet	1.2m	4/m ²	viro tube

Planting Schedule: Stormwater Basin

Botanical Name	Common Name	Height	Spacing	Pot Size
Rushes & Sedges				
<i>Baumea juncea</i>	Bare Twig-rsh	1m	4/m ²	viro tube
<i>Bolboschoenus fluviatilis</i>	Marsh Club-rush	1.5m	4/m ²	viro tube
<i>Eleocharis sphacelata</i>	Tall Spike-rush	1.5m	4/m ²	viro tube
<i>Gahnia clarkei</i>	Tall Saw Sedge	2m	4/m ²	viro tube
<i>Juncus usitatus</i>	Common Rush	1m	4/m ²	viro tube
<i>Phragmites australis</i>	Common Reed	2m	4/m ²	viro tube
<i>Typha orientalia</i>	Broadleaf Cumbungi	2m	4/m ²	viro tube

Key Plan (not to scale)



Planting: Landscape Batter, Drainage Swale & Streetscape

Planting Schedule: Landscape Batter

Botanical Name	Common Name	Height	Spacing	Pot Size
Trees				
<i>Eucalyptus botryoides</i>	Bangalay	20m	10m	200mm
<i>Eucalyptus resinifera</i>	Red Mahogany	25m	10m	200mm
<i>Melaleuca linariifolia</i>	Snow-in-summer	10m	8m	200mm
<i>Glochidion ferdinandi</i>	Cheese Tree	10m	6m	200mm
Shrubs & Perennials				
<i>Acacia irrorata</i>	Green Wattle	6m	4m	140mm
<i>Dodonaea triquetra</i>	Large-leaf Hop Bush	3m	2m	140mm
<i>Leptospermum polygalifolium</i> subsp.	Tantoon	3m	4m	140mm
<i>Melaleuca linariifolia</i> 'Claret Tops'	Honey Myrtle	1.5m	2m	140mm
<i>Polyscias sambucifolia</i>	Elderberry Ash	2m	2m	140mm
Grasses				
<i>Lomandra longifolia</i>	Spiny-head Mat-rush	1m	2/m ²	viro tube
<i>Themeda triandra</i>	Kangaroo Grass	1m	2/m ²	viro tube

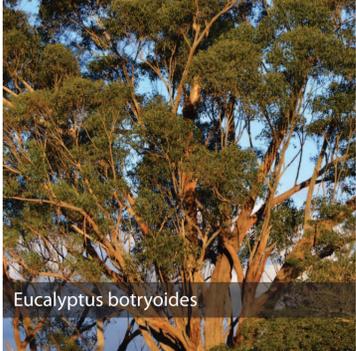
Planting Schedule: Streetscape

Botanical Name	Common Name	Height	Spacing	Pot Size
Street Trees				
<i>Eucalyptus robusta</i>	Swamp Mahogany	20m	As Shown	75L
<i>Lophostemon confertus</i>	Brush Box	15m	As Shown	75L
<i>Tristanopsis laurina</i>	Water Gum	10m	As Shown	75L
<i>Waterhousea floribunda</i>	Weeping Lilly Pilly	20m	As Shown	75L
Turf				
<i>Stenotaphrum</i> 'Sapphire'	Sapphire Buffalo	-	-	-

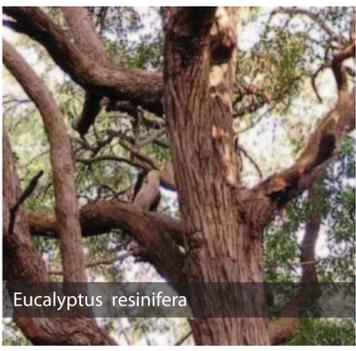
Key Plan (not to scale)



Trees



Eucalyptus botryoides



Eucalyptus resinifera



Glochidion ferdinandi



Tristanopsis laurina

Shrubs & Perennials



Acacia irrorata



Dodonaea triquetra



Leptospermum polygalifolium subsp.



Melaleuca linariifolia 'Claret Tops'

Grasses & Groundcovers



Baumea juncea



Bolboschoenus fluviatilis



Carex appressa



Ficinia nodosa



Juncus usitatus



Leptocarpus tenax



Lomandra longifolia



Themeda triandra

Planting: Communal Open Space

Planting Schedule: Communal Open Space

Botanical Name	Common Name	Height	Spacing	Pot Size
Trees				
<i>Angophora floribunda</i>	Rough-barked Apple	15m	As Shown	100L
<i>Banksia integrifolia</i>	Cosat Banksia	8m	As Shown	75L
<i>Cupaniopsis anacardioides</i>	Tuckeroo	10m	As Shown	75L
<i>Elaeocarpus reticulatus</i>	Blueberry Ash	8m	As Shown	75L
<i>Eucalyptus robusta</i>	Swamp Mahogany	20m	As Shown	75L
<i>Howea forsteriana</i>	Kentia Palm	8m	As Shown	100L
<i>Livistona australis</i>	Cabbage Tree Palm	15m	As Shown	75L
<i>Plumeria acutifolia</i>	Frangipani	6m	As Shown	45L
<i>Waterhousea floribunda 'Sweeper'</i>	Weeping Lilly Pilly	8m	As Shown	75L
Shrubs & Perennials				
<i>Acmena smithii 'Red Tips'</i>	Lilly Pilly	3m	1.5m	200mm
<i>Agave attenuata</i>	Foxtail agave	1m	As Shown	200mm
<i>Alcantarea imperialis</i>	Bromeliad	1m	As Shown	300mm
<i>Alpinia zerumbet</i>	Shell Ginger	2m	2m	200mm
<i>Anigozanthos 'Bush Ballad'</i>	Kangaroo Paw	1m	500mm	200mm
<i>Asplenium australasicum</i>	Bird's Nest Fern	0.5m	2m	200mm
<i>Callistemon viminalis 'Better John'</i>	Bottlebrush	1.2m	500mm	200mm
<i>Cordyline stricta</i>	Slender Palm Lily	2m	1m	200mm
<i>Crassula ovata 'Bluebird'</i>	Crassula	1m	1m	200mm
<i>Cycas revoluta</i>	Sago Palm	1.5m	As Shown	45L
<i>Doryanthes excelsa</i>	Gynea Lily	1.5m	2m	300mm
<i>Dracaena draco</i>	Dragon Tree	5m	As Shown	45L
<i>Echium X 'Cobolt Towers'</i>	Echium	2m	1.5m	200mm
<i>Furcraea foetida 'Mediopicta'</i>	Mauritius Hemp	1.5m	As Shown	200mm
<i>Philodendron 'Xanadu'</i>	Philodendron	0.5m	1m	200mm
<i>Phormium tenax</i>	New Zealand Flax	1.5m	As Shown	200mm
<i>Raphiolepis indica 'Snow Maiden'</i>	Indian Hawthorn	1m	500mm	200mm
<i>Rhapis excelsa</i>	Lady Palm	3m	1.5m	300mm
<i>Viburnum 'Emerald Lustre'</i>	Viburnum	3m	800mm	200mm
<i>Westringia fruticosa 'Wynyabbie Gem'</i>	Coast Rosemary	1.5m	1m	200mm
Grasses & Groundcovers				
<i>Alternanthera dentata 'Little Ruby'</i>	Alternanthera	0.3m	2/m ²	140mm
<i>Casuarina glauca 'Cousin It'</i>	Prostrate She-Oak	0.2m	2/m ²	140mm
<i>Dichondra repens</i>	Kidneyweed	0.1m	4/m ²	viro tube
<i>Liriope muscari 'Evergreen Giant'</i>	Liriope	0.5m	2/m ²	140mm
<i>Lomandra longifolia 'Tanika'</i>	Mat Rush	0.5m	2/m ²	140mm
<i>Hibbertia scandens</i>	Snake Vine	0.3m	1/m ²	140mm
<i>Trachelospermum jasminoides</i>	Star Jasmine	0.3m	1/m ²	140mm
<i>Trachelospermum jasminoides 'Tricolor'</i>	Tricolour Star Jasmine	0.3m	1/m ²	140mm
<i>Grevillea 'Poorinda Royal Mantle'</i>	Grevillea	0.2m	1/m ²	140mm
<i>Viola hederaceae</i>	Native Violet	0.2m	4/m ²	viro tube
<i>Senecio mandraliscae 'Blue Chalksticks'</i>	Blue Chalksticks	0.3m	2/m ²	140mm
Turf				
<i>Stenotaphrum 'Sapphire'</i>	Sapphire Buffalo	-	-	-

Key Plan (not to scale)



Trees



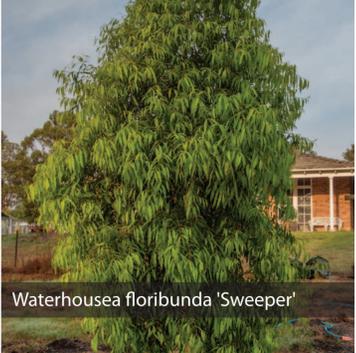
Angophora floribunda



Banksia integrifolia

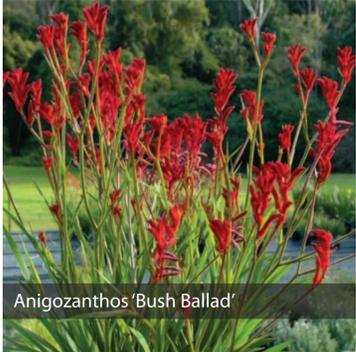


Livistona australis



Waterhousea floribunda 'Sweeper'

Shrubs & Perennials



Anigozanthos 'Bush Ballad'



Asplenium australasicum



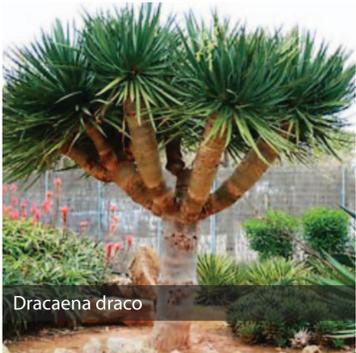
Callistemon viminalis 'Better John'



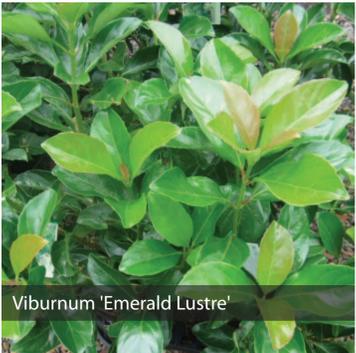
Cordyline stricta



Doryanthes excelsa



Dracaena draco



Viburnum 'Emerald Lustre'

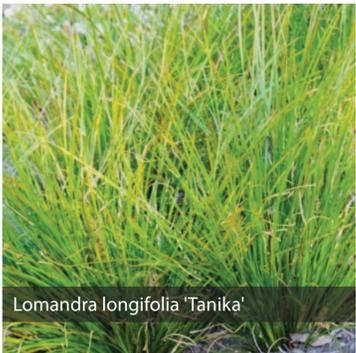


Westringia fruticosa 'Wynyabbie Gem'

Grasses & Groundcovers



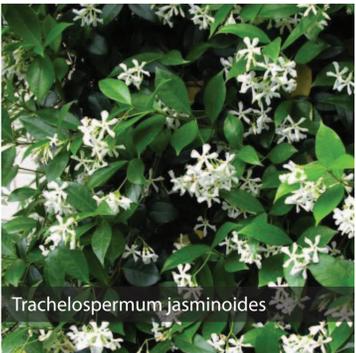
Liriope muscari 'Evergreen Giant'



Lomandra longifolia 'Tanika'



Hibbertia scandens



Trachelospermum jasminoides

Planting: Private Open Space, Rooftop Balconies & Subdivision Allotments

Planting Schedule: Private Open Space, Rooftop Balconies & Subdivision Allotments

Botanical Name	Common Name	Height	Spacing	Pot Size
Trees				
Angophora costata	Sydney Red Gum	20m	As Shown	75L
Angophora floribunda	Rough-barked Apple	15m	As Shown	75L
Buckinghamia celsissima	Ivory Curl Tree	8m	As Shown	75L
Cupaniopsis anacardioides	Tuckeroo	10m	As Shown	75L
Eucalyptus punctata	Grey Gum	20m	As Shown	75L
Eucalyptus robusta	Swamp Mahogany	20m	As Shown	75L
Hymenosporum flavum	Native Frangipani	10m	As Shown	75L
Stenocarpus sinuatus	Firewheel Tree	15m	As Shown	75L
Tristaniopsis laurina	Water Gum	10m	As Shown	75L
Waterhousea floribunda 'Sweeper'	Weeping Lilly Pilly	8m	As Shown	75L
Xanthostemon chrysanthus	Golden Penda	10m	As Shown	75L
Shrubs & Perennials				
Acmena smithii 'Sublime'	Lilly Pilly	4m	1.2m	300mm
Agave attenuata	Foxtail agave	1m	As Shown	200mm
Crinum pedunculatum	Swamp Lily	1m	1m	200mm
Dodonaea viscosa	Sticky Hop Bush	2m	1.5m	200mm
Magnolia grandiflora 'Teddy Bear'	Magnolia	4m	1.5m	300mm
Murraya paniculata	Orange Jessamine	4m	1.5m	200mm
Phormium tenax	New Zealand Flax	1.5m	As Shown	200mm
Raphiolepis indica 'Oriental Pearl'	Indian Hawthorn	1m	1.2m	200mm
Syzygium australe 'Resilience'	Brush Cherry	4m	1.2m	300mm
Zamia furfuracea	Cardboard Cycad	1m	1m	200mm
Grasses & Groundcovers				
Carpobrotus glaucescens	Pigface	0.3m	1/m ²	140mm
Dietes bicolor	Bicolor Iris	1m	2/m ²	140mm
Dichondra repens	Kidneyweed	0.1m	4/m ²	viro tube
Grevillea 'Bronze Rambler'	Grevillea	0.3m	2/m ²	140mm
Liriope muscari 'Evergreen Giant'	Liriope	0.5m	2/m ²	140mm
Myoporum parvifolium	Boobialla	0.1m	1/m ²	140mm
Turf				
Stenotaphrum 'Sapphire'	Sapphire Buffalo	-	-	-

Trees



Buckinghamia celsissima



Hymenosporum flavum



Stenocarpus sinuatus



Xanthostemon chrysanthus

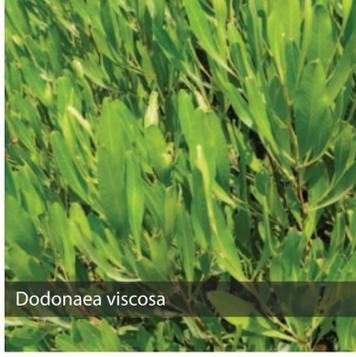
Shrubs & Perennials



Acmena smithii 'Sublime'



Crinum pedunculatum



Dodonaea viscosa



Magnolia grandiflora 'Teddy Bear'



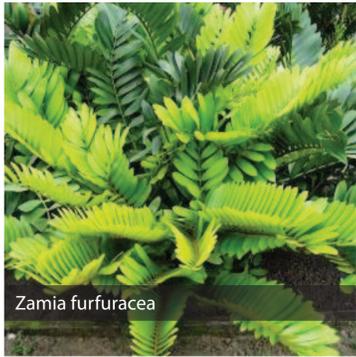
Syzygium australe 'Resilience'



Phormium tenax



Raphiolepis indica 'Oriental Pearl'

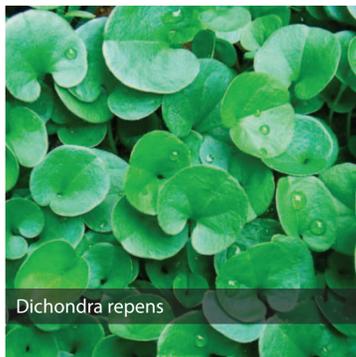


Zamia furfuracea

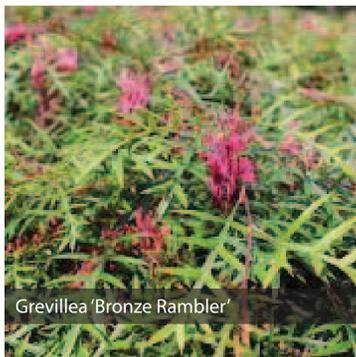
Grasses & Groundcovers



Carpobrotus glaucescens



Dichondra repens



Grevillea 'Bronze Rambler'

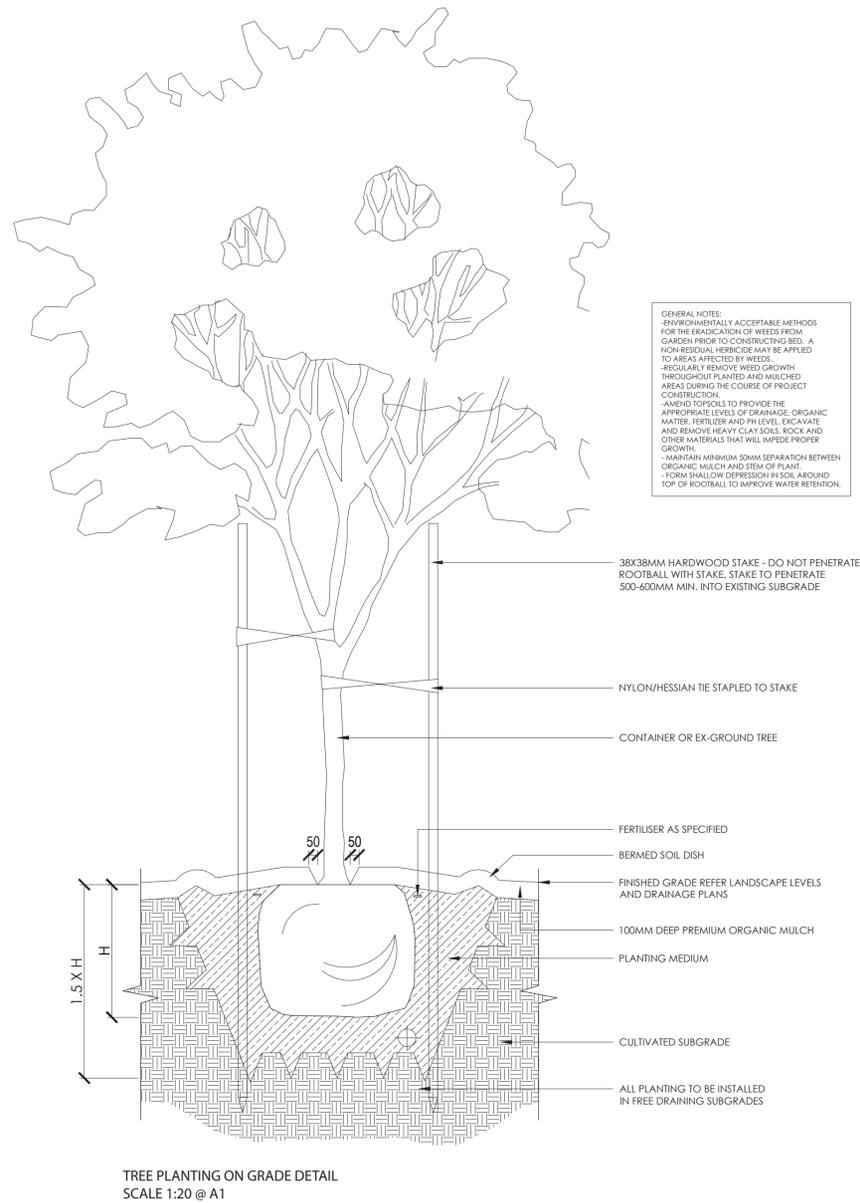


Myoporum parvifolium

Key Plan (not to scale)

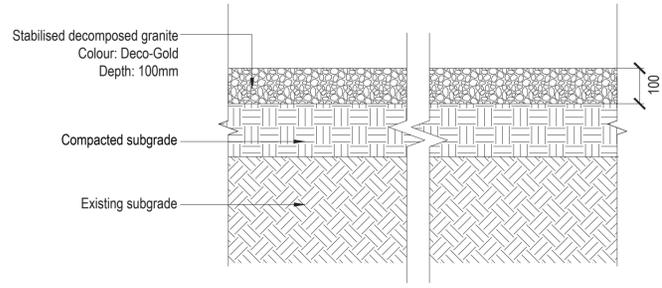


Typical Construction Details

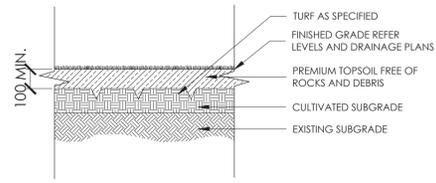


TREE PLANTING ON GRADE DETAIL
SCALE 1:20 @ A1

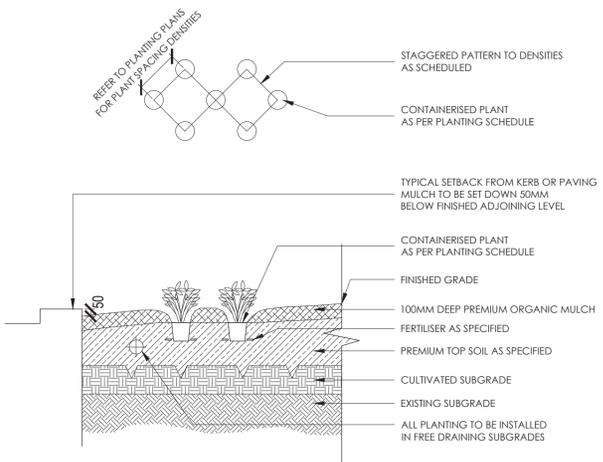
GENERAL NOTES:
- ENVIRONMENTALLY ACCEPTABLE METHODS FOR THE ERADICATION OF WEEDS FROM GARDENS PRIOR TO CONSTRUCTING BED. A NON-RESIDUAL HERBICIDE MAY BE APPLIED TO AREAS AFFECTED BY WEEDS.
- REGULARLY REMOVE WEED GROWTH THROUGHOUT PLANTED AND MULCHED AREAS DURING THE COURSE OF PROJECT CONSTRUCTION.
- AMEND TOPSOILS TO PROVIDE THE APPROPRIATE LEVELS OF DRAINAGE, ORGANIC MATTER, FERTILISER AND PH LEVEL. EXCAVATE AND REMOVE HEAVY CLAY SOILS, ROCK AND OTHER MATERIALS THAT WILL IMPED PROPER GROWTH.
- MAINTAIN MINIMUM 50MM SEPARATION BETWEEN ORGANIC MULCH AND STEM OF PLANT.
- FORM SHALLOW DEPRESSION IN SOIL AROUND TOP OF ROOTBALL TO IMPROVE WATER RETENTION.



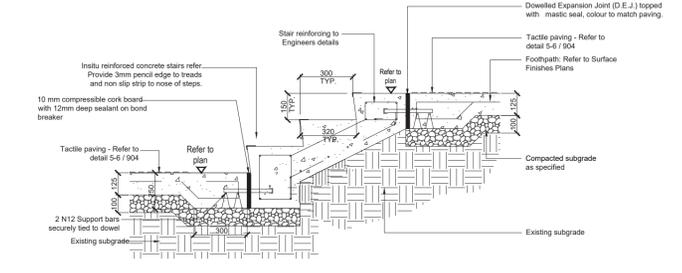
DECOMPOSED GRANITE DETAIL
SCALE 1:10 @ A1



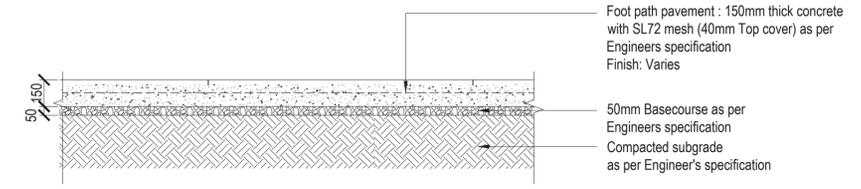
TURF PLANTING DETAIL
SCALE 1:25 @ A1



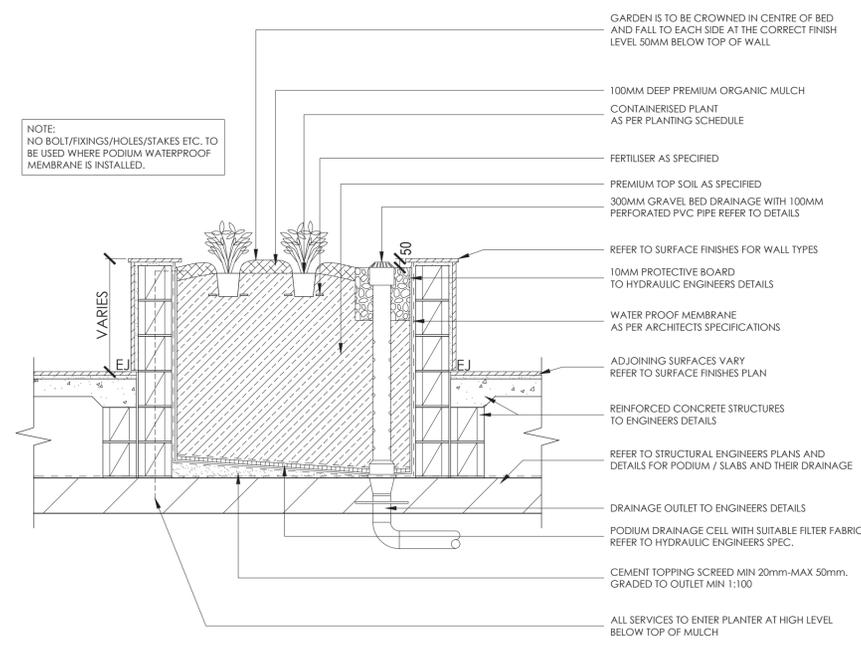
SHRUB PLANTING DETAIL
SCALE 1:25 @ A1



STAIR DETAIL
SCALE 1:20 @ A1



CONCRETE PATHWAY DETAIL
SCALE 1:20 @ A1



SHRUB PLANTER ON PODIUM DETAIL
SCALE 1:20 @ A1

General Specifications

Preliminary Specification

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 A SUFFICIENT DISTANCE AWAY FROM THESE SERVICES TO AVOID CONFLICT. 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.

ARBORIST MANAGEMENT OF TREE PROTECTION

AN ARBORIST WITH MINIMUM AQF5 QUALIFICATIONS IS TO BE CONTRACTED TO UNDERTAKE OR MANAGE THE INSTALLATION OF PROTECTIVE FENCING AND TO UNDERTAKE SUCH MEASURES AS THEY DEEM APPROPRIATE TO PRESERVE THE SUBJECT TREES TO BE RETAINED. THE ARBORIST IS TO BE RETAINED FOR THE ENTIRE CONTRACT PERIOD TO UNDERTAKE ONGOING MANAGEMENT AND REVIEW OF THE TREES.

PODIUM PLANTING

ENSURE AN ADEQUATE WATERPROOFING MEMBRANE TO ENGINEER'S DETAIL TO HAS BEEN APPLIED ALL PODIUM PLANTERS ON SITE. FOLLOWING APPLICATION OF THE MEMBRANE, CORFLUTE SHEETING IS TO BE APPLIED TO THE BOTTOM AND SIDES OF ALL PLANTERS TO PREVENT FUTURE RUPTURING. PODIUM PLANTERS ARE TO THEN INCLUDE AN APPROVED 'DRAINAGE CELL' PRODUCT TO COMPREHENSIVELY COVER THE BOTTOM OF THE STRUCTURE. OVER THE DRAINAGE CELL, A GEOTEXTILE LINING IS TO BE INSTALLED, TURNED UP 300MM AND TAPED TO THE PLANTER SIDES TO ENSURE SOIL MIX DOES NOT ESCAPE INTO DRAINAGE OUTLETS/HOLES. INSTALL MIN. 50MM COARSE RIVER SAND OVER ALL GEOTEXTILE LINING PRIOR TO INSTALLATION OF A SUITABLE PLANTER SOIL MIX.

RETAINING WALLS

RETAINING WALLS AND ASSOCIATED DRAINAGE MATERIAL IS TO BE CONSTRUCTED TO THE STRUCTURAL ENGINEER'S DETAIL.

EXISTING SUB-GRADE IN PLANTING AREAS

TEST SUBSOIL DRAINAGE TO ALL TREE PLANTING POSITIONS AND PLANTING AREAS. IF NECESSARY EXCAVATE UNDER TREE PLANTING POSITION DOWN THROUGH IMPERMEABLE MATERIAL TO A PERMEABLE SUB-GRADE DEPTH. REMOVE EXCAVATED MATERIAL FROM SITE AND REPLACE WITH A POROUS MATERIAL AND SUITABLE GROWING MEDIUM FOR NOMINATED SPECIES. SETTLE BACKFILL TO PREVENT SUBSIDENCE.

FINISHED LEVELS AND GRADES

CONSTRUCT FINISHED GRADES TO THE FINISHED LEVELS SHOWN ON THE CIVIL DRAWINGS. ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS. PLANTED AREAS AND PATHWAYS ARE TO DRAIN TO SPECIFIED DRAINAGE COLLECTION POINTS AS INDICATED ON THE HYDRAULIC ENGINEER'S DRAWINGS. ENSURE A MAXIMUM GRADE OF 1:4 TO ALL PLANTED AND TURFED AREAS.

DRAINAGE PITS

INSTALL METAL GRATE, PVC BODY DRAINAGE PITS AS INDICATED ON THE HYDRAULIC ENGINEER'S DRAWINGS. CONNECT PITS TO STORMWATER SYSTEM - BY PLUMBER.

PAVING

PAVEMENT SETOUT AS PER SETOUT PLAN. FINISHED LEVELS, MATERIALS AND PAVING INSTALLATION TO ARCHITECT'S SPECIFICATION.

SOIL

CULTIVATE ALL PLANTING AREAS AND SET DOWN SUB-GRADE TO ACCOMMODATE IMPORTED TOPSOIL TO BE INSTALLED TO A MINIMUM 300MM DEPTH. IF DEEMED SUITABLE BY THE LANDSCAPE ARCHITECT, IMPROVED SITE SOIL MAY BE USED IN PLACE OF IMPORTED TOPSOIL PENDING COMPLIANCE WITH THE PROVISIONS OUTLINED IN AS4419.

MULCH

APPLY APPROVED ORGANIC MULCH (ANL 'FOREST FINES' OR SIMILAR) TO A DEPTH OF 75MM TO ALL PLANTED AREAS. ENSURE CLEARANCE TO PLANT STEMS AND RAKE TO AN EVEN SURFACE FINISHING 25MM BELOW ADJOINING LEVELS. ENSURE MULCH IS WATERED IN DURING INSTALLATION.

FERTILISER:

FOR GENERAL PLANTED AREAS; APPLY APPROVED FERTILISER INTENDED FOR SLOW RELEASE OF PLANT NUTRIENTS OVER A PERIOD OF APPROXIMATELY NINE (9) MONTHS. THOROUGHLY MIX FERTILISER WITH PLANTING MIXTURE AT THE RECOMMENDED RATE AND IN ACCORDANCE WITH RECOGNISED HORTICULTURAL PRACTICE PRIOR TO INSTALLING PLANTS. FOR LAWN AREAS; APPROVED 'LAWN FOOD' OR EQUIVALENT SHALL BE THOROUGHLY MIXED THROUGH TOPSOIL PRIOR TO PLACING TURF. FOR ESTABLISHED TREE PLANTING; 'AGRIFORM PLANTING TABLETS' OR EQUIVALENT ARE TO BE APPLIED AT THE RECOMMENDED RATE WITHIN THE PLANTING MEDIUM ADJACENT TO THE BASE OF THE ROOT BALL AT TIME OF PLANTING.

PLANT MATERIAL

ALL PLANTS SUPPLIED ARE TO CONFORM WITH THOSE SPECIES LISTED IN THE PLANT SCHEDULE ON THE LANDSCAPE 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 PESTS, HAVE 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

STAKING AND TYING

STAKES SHALL BE STRAIGHT, UNPAINTED HARDWOOD FREE FROM KNOTS AND TWISTS, POINTED AT ONE END AND SIZED ACCORDING TO SIZE OF PLANTS TO BE STAKED.

A. 5-15 LIRTE SIZE PLANT: 1 x (1200x25x25)

B. 35-75 LIRTE SIZE PLANT: 2 x (1500x38x38)

C. 100->200 LIRTE SIZE PLANT: 3 x (1800x50x50)

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.

TURF

TURF IS TO BE OF A SPECIES CONSISTENT WITH THAT SHOWN ON THE LANDSCAPE DRAWINGS AND IS TO HAVE AN EVEN THICKNESS OF NOT LESS THAN 25MM. OBTAIN TURF FROM AN APPROVED GROWER, DELIVER TO SITE WITHIN TWENTY FOUR (24) HOURS OF BEING CUT, AND LAY WITHIN TWENTY FOUR (24) HOURS OF BEING DELIVERED. TO PREPARE GRADED AREAS TO RECEIVE TURF, EXCAVATE THE AREA AND CULTIVATE SO AS TO ALLOW FOR IMPORTING OF 100MM OF TURF UNDERLAY SOIL. REMOVE ALL STONES OVER 20MM Ø AS WELL AS ALL WEEDS AND FOREIGN MATTER. SPREAD TURF UNDERLAY SOIL TO A DEPTH OF 100MM AND GRADE TO APPROPRIATE LEVELS TO ACHIEVE GENERAL EVEN GRADES TO DRAINAGE OUTLETS INSTALLED BY OTHERS - TURF AREAS ARE TO HAVE MINIMUM 1:50 CROSSFALL TO ENSURE MINIMUM DRAINAGE REQUIREMENTS. TURF IS TO BE LAID ALONG RESOLVED LAND CONTOURS WITH STAGGERED, CLOSE BUTTED, JOINTS SO THAT THE FINISHED TURF SURFACE IS FLUSH WITH ADJACENT FINISHED SURFACES OF PAVING AND THE LIKE. AS SOON AS PRACTICABLE AFTER LAYING, ROLL THE TURF WITH A ROLLER WEIGHING NOT MORE THAN 90KG PER METRE OF WIDTH. WATER AS NECESSARY TO KEEP THE SOIL MOIST TO A DEPTH OF 100MM. PROTECT NEWLY TURFED AREAS AGAINST TRAFFIC UNTIL GRASS IS ESTABLISHED. TWO (2) WEEKS AFTER INSTALLATION, APPLY APPROVED ORGANIC TOP DRESSING SOIL (ANL 'ORGANIC TOP DRESSING' OR SIMILAR) TO A DEPTH OF 15MM TO ALL TURFED AREAS. RUB THE DRESSING WELL INTO THE JOINTS AND CORRECT ANY UNEVENNESS IN THE TURF SURFACES.

TREATED PINE TIMBER EDGING

TIMBER EDGE: 100 X 25MM H4 TREATED PINE.

TIMBER STAKES: 50 X 50 X 500MM H4 TREATED PINE-SHARPENED AT ONE END.

INSTALL IN LOCATIONS SHOWN ON THE DRAWINGS FLUSH TO FINISHED SURFACE LEVELS.

TREES TO BE RETAINED

MARK TREES AND SHRUBS TO BE RETAINED WITH SUITABLE NON-INJURIOUS, EASILY VISIBLE AND REMOVABLE MEANS OF IDENTIFICATION CONSISTENT WITH THE TREE NUMBERING SYSTEM INDICATED ON THE LANDSCAPE DRAWINGS.

Landscape Maintenance Program

GENERAL

THE LANDSCAPE MAINTENANCE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE WORKS FOR THE TERM OF THE MAINTENANCE (OR PLANT ESTABLISHMENT) PERIOD TO THE SATISFACTION OF THE COUNCIL. THE LANDSCAPE MAINTENANCE CONTRACTOR SHALL ATTEND TO THE SITE ON A FORTNIGHTLY BASIS. THE MAINTENANCE PERIOD SHALL COMMENCE AT PRACTICAL COMPLETION AND CONTINUE FOR A PERIOD OF TWENTY SIX (26) WEEKS.

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 MAINTENANCE CONTRACTOR SHALL REMOVE RUBBISH THAT MAY OCCUR AND REOCCUR THROUGHOUT THE MAINTENANCE PERIOD. THIS WORK SHALL BE CARRIED OUT REGULARLY SO THAT AT FORTNIGHTLY INTERVALS THE AREA MAY BE OBSERVED IN A COMPLETELY CLEAN AND TIDY CONDITION.

REPLACEMENTS

THE LANDSCAPE MAINTENANCE CONTRACTOR SHALL REPLACE ALL PLANTS THAT ARE MISSING, UNHEALTHY OR DEAD AT THE LANDSCAPE MAINTENANCE 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, NOT EXCEEDING TWO (2) WEEKS AFTER THE PLANT HAS DIED OR IS SEEN TO BE MISSING, UNTIL THE END OF THE MAINTENANCE PERIOD .

STAKES AND TIES

THE LANDSCAPE MAINTENANCE 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

TREES AND SHRUBS SHALL BE PRUNED AS DIRECTED BY THE LANDSCAPE ARCHITECT AND PROJECT ARBORIST. PRUNING WILL BE DIRECTED AT THE MAINTENANCE OF THE DENSE FOLIAGE OR MISCELLANEOUS PRUNING AND BENEFICIAL TO THE CONDITION OF THE PLANTS. ANY DAMAGED GROWTH SHALL BE PRUNED. ALL PRUNED MATERIAL SHALL BE REMOVED FROM THE SITE.

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.

PEST AND DISEASE CONTROL

THE LANDSCAPE MAINTENANCE 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 AS THEY ARE DETECTED) TO THE LANDSCAPE ARCHITECT.

GRASS AND TURF AREAS

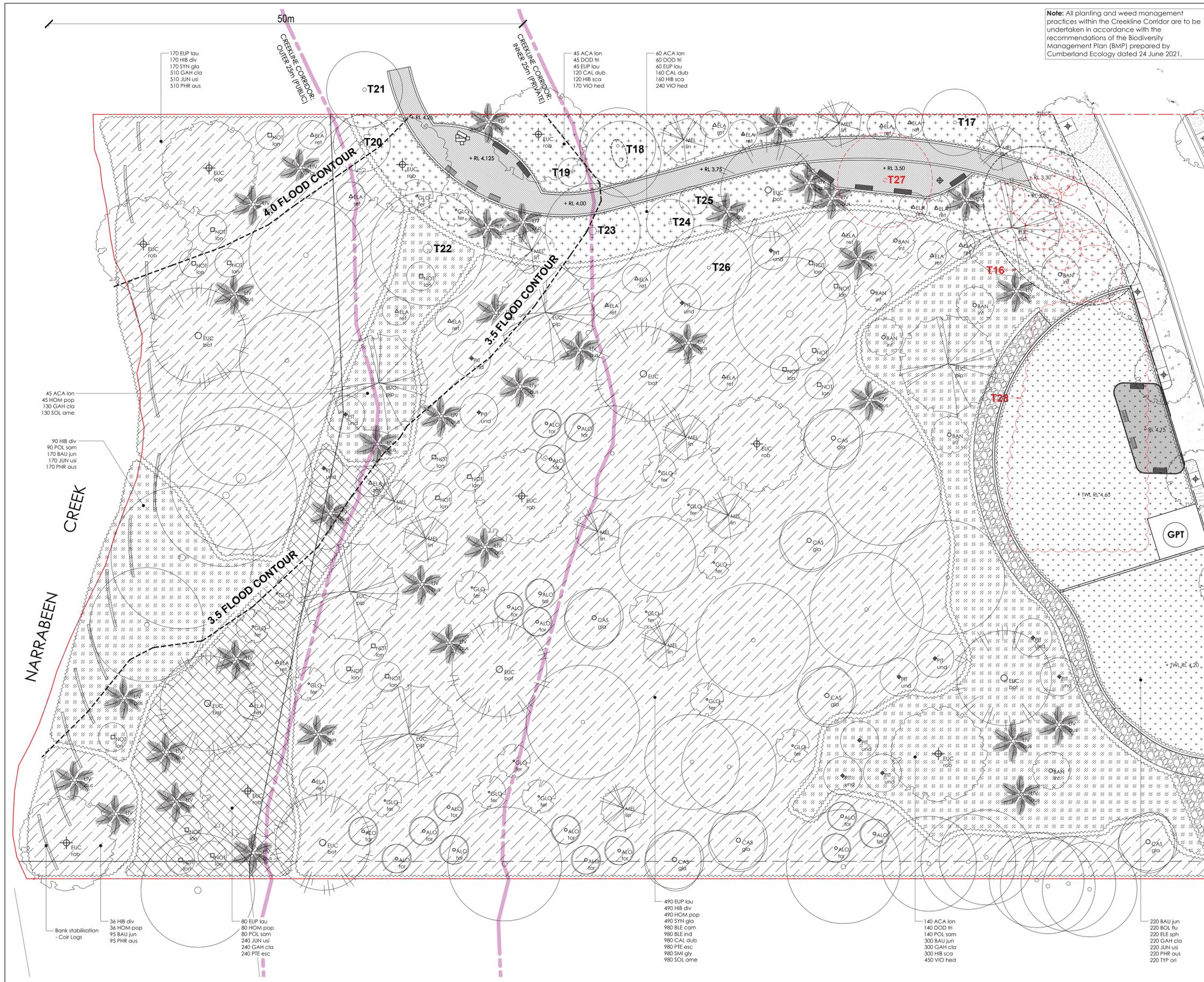
THE LANDSCAPE MAINTENANCE CONTRACTOR SHALL MAINTAIN ALL GRASS AND TURF AREAS BY WATERING, WEEDING, DRESSING, ROLLING, MOWING, TRIMMING OR OTHER OPERATIONS AS NECESSARY. SEED AND TURF SPECIES SHALL BE THE SAME AS THE ORIGINAL SPECIFIED MIXTURE. GRASS AND TURF AREAS SHALL BE SPRAYED WITH APPROVED SELECTIVE 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" (OR SIMILAR) 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.

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.



Note: All planting and weed management practices within the Creeklane Corridor are to be undertaken in accordance with the recommendations of the Biodiversity Management Plan (BMP) prepared by Cumberland Ecology dated 24 June 2021.

PLANTING SCHEDULES:

CREEKLINE CORRIDOR

SYM	BOTANICAL NAME	COMMON NAME	HEIGHT	SPACING	POT SIZE	QTY
TREES						
ALO tor	<i>Allocasuarina torulosa</i>	Rose She-Oak	8m	1/4m ²	viro-tube	17
BAN int	<i>Banksia integrifolia</i>	Coast Banksia	8m	1/4m ²	viro-tube	7
CAS gla	<i>Casuarina glauca</i>	Swamp Oak	15m	1/4m ²	viro-tube	7
ELA ret	<i>Elaeocarpus reticulatus</i>	Blueberry Ash	8m	1/4m ²	viro-tube	20
EUC bot	<i>Eucalyptus botryoides</i>	Bangalay	20m	1/4m ²	viro-tube	6
EUC pip	<i>Eucalyptus piperita</i>	Sydney Peppermint	20m	1/4m ²	viro-tube	6
EUC rob	<i>Eucalyptus robusta</i>	Swamp Mahogany	20m	1/4m ²	viro-tube	11
GLO fer	<i>Glochidion ferdinandi</i>	Cheese Tree	10m	1/4m ²	viro-tube	16
LIV aus	<i>Livistona australis</i>	Cabbage Tree Palm	15m	1/4m ²	viro-tube	35
MEL lin	<i>Melaleuca linariifolia</i>	Snow-in-summer	8m	1/4m ²	viro-tube	11
NOT lon	<i>Notelaea longifolia</i>	Large Mock-olive	9m	1/4m ²	viro-tube	20
PIT und	<i>Pittosporum undulatum</i>	Sweet Pittosporum	8m	1/4m ²	viro-tube	14
SHRUBS & PERENNIALS						
ACA lon	<i>Acacia longifolia</i>	Sydney Golden Wattle	6m	4/m ²	viro-tube	290
DOD tri	<i>Dodonaea triquetra</i>	Large-leaf Hop Bush	3m	4/m ²	viro-tube	245
EUP lau	<i>Eupomatia laurina</i>	Bolwarra	4m	4/m ²	viro-tube	804
HIB div	<i>Hibiscus diversifolius</i>	Swamp Hibiscus	2m	4/m ²	viro-tube	551
HOM pop	<i>Homalanthus populifolius</i>	Bleeding Heart	6m	4/m ²	viro-tube	350
POL sam	<i>Polyscias sambucifolia</i>	Elderberry Ash	2m	4/m ²	viro-tube	823
SYN gla	<i>Synoum glandulosum</i>	Scentless Rosewood	5m	4/m ²	viro-tube	660
GRASSES & GROUNDCOVERS						
BAU jun	<i>Baumea juncea</i>	Bare Twig-rush	1m	4/m ²	viro-tube	565
BLE cam	<i>Blechnum camfieldii</i>	Eared Swamp Fern	1m	4/m ²	viro-tube	980
BLE ind	<i>Blechnum indicum</i>	Swamp Water Fern	0.8m	4/m ²	viro-tube	980
CAL dub	<i>Calochleana dubia</i>	Rainbow Fern	1.5m	4/m ²	viro-tube	1260
GAH cla	<i>Gahnia clarkii</i>	Tall Saw Sedge	2m	4/m ²	viro-tube	1230
HIB sca	<i>Hibbertia scandens</i>	Snake Vine	0.3m	4/m ²	viro-tube	680
JUN usi	<i>Juncus usitatus</i>	Common Rush	1m	4/m ²	viro-tube	920
PHR aus	<i>Phragmites australis</i>	Common Reed	2m	4/m ²	viro-tube	775
PTE esc	<i>Pteridium esculentum</i>	Bracken Fern	1m	4/m ²	viro-tube	1220
SMI gly	<i>Smilax glyciphyla</i>	Sweet Sarsaparilla	0.3m	4/m ²	viro-tube	980
SOL ame	<i>Solanum americanum</i>	Glossy Nightshade	1.5m	4/m ²	viro-tube	1010
VIO hed	<i>Viola hederaceae</i>	Native Violet	1.2m	4/m ²	viro-tube	860

STORMWATER BASIN

SYM	BOTANICAL NAME	COMMON NAME	HEIGHT	SPACING	POT SIZE	QTY
GRASSES & GROUNDCOVERS						
BAU jun	<i>Baumea juncea</i>	Bare Twig-rush	1m	4/m ²	viro-tube	220
BOL flu	<i>Bolboschoenus fluviatilis</i>	Marsh Club-rush	1.5m	4/m ²	viro-tube	220
ELE sph	<i>Eleocharis sphacelata</i>	Tall Spike-rush	1.5m	4/m ²	viro-tube	220
GAH cla	<i>Gahnia clarkii</i>	Tall Saw Sedge	2m	4/m ²	viro-tube	220
JUN usi	<i>Juncus usitatus</i>	Common Rush	1m	4/m ²	viro-tube	220
PHR aus	<i>Phragmites australis</i>	Common Reed	2m	4/m ²	viro-tube	220
TYP ori	<i>Typha orientalis</i>	Broadleaf Cumbungi	2m	4/m ²	viro-tube	220

LEGEND

- Shrub & Groundcover Mix: Vegetation Management Zone 1: (Coastal Flats Swamp Mahogany Forest)
- Shrub & Groundcover Mix: Vegetation Management Zone 2: (Coastal Flats Swamp Mahogany Forest - Revegetation)
- Shrub & Groundcover Mix: Vegetation Management Zone 3: (Exotic Vegetation on Cleared Land)
- Groundcover Mix: Vegetation Management Zone 4: (Stormwater Basin)
- Shrub & Groundcover Mix: Vegetation Management Zone 5: (Landscaped Areas)
- Proposed Tree
- Existing Tree

CPS

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DIMENSIONS:
All dimensions are in millimetres unless otherwise noted. Do not scale from this drawing.
Verify all dimensions on site prior to construction.

CIVIL, STRUCTURAL, HYDRAULIC, ELECTRICAL AND SPECIALIST WATER FEATURE WORKS:
Refer to specialist and consultants drawings for all information contained within these documents relating to and nominated as specialist and consultant work. Specialist and consultant drawing information contained in the landscape documents are indicative only and not for construction or certification purposes.

Issue Code	Issue Description	By	Chk	Date
C CA	UPDATED FOR APRVAL	NZ	GT	13.12.23
B CA	UPDATED FOR APRVAL	TP	GT	11.07.22
A CA	FOR APPROVAL	TP	GT	20.08.21

PRE - Preliminary CA - Council Approval T - Tender CON - Construction

PROJECT
PROPOSED RESIDENTIAL DEVELOPMENT & SUBDIVISION
43, 45 & 49 WARRIEWOOD RD
WARRIEWOOD

DRAWING TITLE
PLANTING PLAN - CREEKLINE CORRIDOR

CLIENT
ARCHIDROME

Drawn : TP
Designed : TP
Project No. : D221
Bar Scale

1:200 @ A1 / 1:400 @ A3
SHEET NUMBER
D221_DA_01
REVISION
C

CPS

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