

Existing Trees based on Arboricultural Impact Assessment Report prepared by Andrew Morton in Dec 2023				
No.#	Species	Size (Ht x Sp)	TPZ	Action
1	Eucalyptus sp.	7x6	3.5	Remove
1a	Syzygium luehmannii	5x5	2.7	Retain
2	Corymbia gummifera	18x6	4.9	Retain
2a	Angophora costata	20x10	5.4	Retain
3	Eucalyptus sp.	12x8	5.0	Retain
4	Corymbia gummifera	20x10	6.8	Retain
5	Corymbia gummifera	13x4	3.2	Remove
6	Angophora costata	18x14	8.0	Retain
7	Corymbia gummifera	12x5	3.4	Retain
8	Corymbia gummifera	22x7	5.8	Retain
9	Angophora costata	23x11	7.6	Retain
10	Corymbia gummifera	12x6	3.9	Remove
11	Angophora costata	25x15	9.0	Retain
12	Eucalyptus sp.	13x10	5.5	Retain
13	Angophora costata	20x4	4.3	Retain
14	Corymbia gummifera	20x6	5.3	Retain
15	Angophora costata	16x8	5.5	Retain
15a	Ficus benjamina	6x6	3.0	Retain
16	Angophora costata	18x14	8.0	Retain
17	Archontophoenix cunninghamii	6x4	2.5	Retain
18	Syagrus romanzoffianum	8x6	3.5	Remove
19	Ficus benjamina	6x7	4.0	Remove
20	Archontophoenix cunninghamii	8x5	3.0	Remove
21	Ulmus parvifolia	8x10	5.0	Remove
21a	Gleditsia triacanthos	6x5	3.0	Remove
22	Casuarina glauca	12x4	2.5	Remove
23	Angophora costata	20x10	5.5	Retain
24	Eucalyptus sp.	18x16	7.5	Retain
25	Schefflera actinophylla	9x5	3.0	Remove
26	Eucalyptus sp.	17x11	6.5	Remove & Replace
27	Gleditsia triacanthos	6x7	4.0	Remove
28	Archontophoenix cunninghamii	10x4	3.0	Remove
29	Syagrus romanzoffianum	11x5	3.0	Remove
30	Syagrus romanzoffianum	10x4	3.0	Remove
31	Citharexylum spinosum	9x7	4.0	Remove
32	Angophora costata	14x12	7.8	Remove
33	Malus sp.	5x5	3.0	Remove
33a	Eucalyptus sp.	18x10	5.5	Retain
33b	Schefflera actinophylla	6x1	2.0	Remove
34	Prunus sp.	6x8	4.0	Remove
35	Ficus carica	6x6	3.2	Remove
36	Eucalyptus sp.	17x8	5.0	Remove & Replace
37	Callistemon viminalis	6x5	2.6	Remove
38	Syagrus romanzoffianum	8x4	2.4	Remove
39	Washingtonia robusta	6x3	3.0	Remove
40	Schefflera actinophylla	10x6	3.6	Remove
41	Syagrus romanzoffianum	7x3.5	2.5	Remove
42	Syagrus romanzoffianum	6x3.5	2.5	Remove
43	Eucalyptus tereticornis	22x18	12.0	Remove & Replace
43a	Syzygium luehmannii	6x4	2.2	Remove & Replace
43b	Syzygium luehmannii	6x4	2.2	Remove & Replace
44	Eucalyptus tereticornis	13x8	4.5	Remove & Replace
45	Callistemon salignus	9x5	3.0	Remove
46	Banksia serrata	9x3.5	2.5	Remove & Replace
47	Syzygium australe	9x9	5.0	Remove & Replace
48	Tibouchina granulosa	6x7	5.0	Remove
49	Syzygium australe	9x6	4.0	Remove & Replace
50	Syzygium australe	9x6	4.0	Remove & Replace
51	Syzygium australe	9x7	4.0	Remove & Replace
52	Syzygium australe	9x7	4.0	Remove & Replace
53a	Musa sp.	7x7	5.4	Remove
54	Schinus areira	11x12	6.3	Remove & Replace
55	Syagrus romanzoffianum	13x5	3.0	Remove
56	Archontophoenix cunninghamii	11x4	3.0	Remove
57	Archontophoenix cunninghamii	10x4	3.0	Remove
58	Xylosma senticoso	7x7	4.0	Remove
59	Xylosma senticoso	6x6	3.5	Remove
60	Syagrus romanzoffianum	11x5	3.2	Remove
61	Syagrus romanzoffianum	9x4	3.0	Remove
62	Xylosma senticoso	6x5	3.0	Remove
63	Syagrus romanzoffianum	9x4.5	3.0	Remove
64	Syagrus romanzoffianum	11x4.5	3.0	Remove
65	Syagrus romanzoffianum	10x4.5	3.0	Remove
66	Syagrus romanzoffianum	9x4.5	3.0	Remove
67	Syagrus romanzoffianum	10x4.5	3.0	Remove
68	Syagrus romanzoffianum	11x4.5	3.0	Remove
69	Syagrus romanzoffianum	12x4.5	3.0	Remove
70	Howea forsteriana	9x5	3.0	Remove
71	Howea forsteriana	7x4	2.5	Remove
72	Howea forsteriana	8x4	2.5	Remove
73	Syagrus romanzoffianum	14x6	3.8	Remove
73a	Plumeria rubra	3.5x4	2.2	Remove
74	Lophostemon confertus	13x9	6.6	Retain
75	Lophostemon confertus	14x9	5.8	Retain
76	Lophostemon confertus	10x8	5.6	Remove
77	Dicksonia antarctica	2x2	2.2	Remove
77a	Duranta erecta 'Variegata'	4.5x5	2.5	Remove
78	Camellia sasanqua			



Diagram illustrating the four types of tree protection zones:

- Removal zone:** Trees proposed to be removed refer to arborist for tree removal measures
- Retention zone:** Trees proposed to be retained and protected refer to arborist report for tree protection measures
- Protection zone:** Trees protection zone refer to arborist report
- Structural root zone:** Structural root zone refer to arborist report

This site is **5740.4m2** and requires **19** trees that reach a height of 10m have been included in the Landscape Plan refer to Section 11.1.1 of *Arboricultural Impact Assessment* by *Andrew Morton* in Oct 2023

Existing trees to be removed & replaced as per arborist recommendation: 26, 36, 43, 43A, 43B, 44, 46, 47, 49, 50, 51, 52, 53, 54, 84, 89, 95, 101, 102

New trees selected from replacement planting list of the arborist report:

- 4 x *Corymbia gummifera***
- 8 x *Acmena smithii***
- 4 x *Waterhousia floribunda***
- 3 x *Banksia serrata***
- 8 x *Elaeocarpus reticulatus***

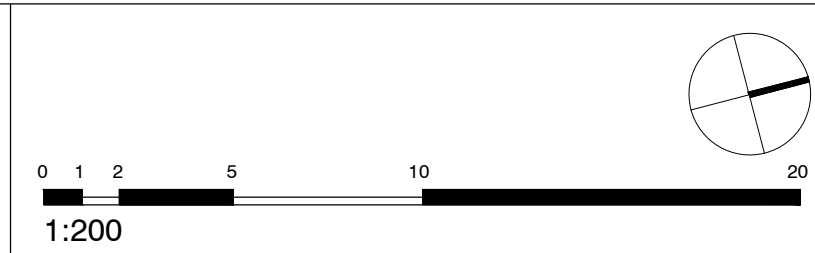
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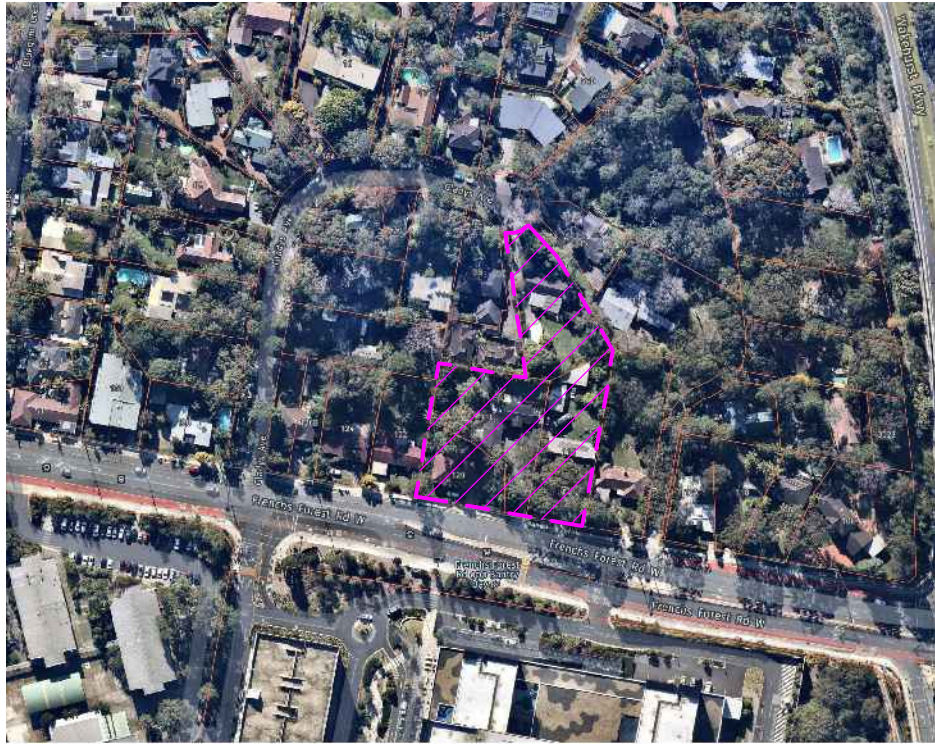
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COUNCIL		REV	DATE	NOTATION/AMENDMENT
NORTHERN BEACHES	A	04.09.23	Preliminary plan prepared for review	
	
	H	14.03.24	Coordinated with architectural updates	
CLIENT	I	04.04.24	Coordinated with civil eng's updates	
KEVIN HUANG				

PROJECT: PROPOSED RESIDENTIAL DEVELOPMENT 116-120 FRENCHS FOREST RD WEST & 11 GLADYS AVE, FRENCHS FOREST	TITLE: TREE SURVEY		STATUS: DEVELOPMENT APPLICATION	
			SCALE: 1:200 @ A1	DATE: APRIL 2024
	DWG No: LPDA 24 - 44	PAGE NUMBER: 1	DRAIN: L.Z	CHECKED: R.F

LOCATION PLAN
Scale: NTS



EXISTING VEGETATION

- Trees proposed to be removed and replaced with new landscaping
- Trees proposed to be retained and protected
- Trees protection zone refer to arborist report
- Structural root zone

MATERIAL FINISHES

- Site boundary line
- Level above outline
- Level below outline
- Steel garden edging- refer to typical detail
- 1.8m ht side boundary fence colourbond style - refer to typical detail
- 1.2m ht front fence & gate - colour and style to be nom. by client
- Natural turf area - refer to typical detail
- Trafficable turf area - refer to typical detail
- Timber batten bench seat attached to raised garden planter
- Paved pathway- to architect's details
- Gravel pathway for maintenance- refer to typical detail
- Retaining wall/ raised garden planter - refer to typical detail
- Outdoor additional arrangements- BBQ to be nom. by future strata
- Outdoor additional arrangements- Picnic table to be nom. by future strata
- Outdoor additional arrangements- Bench seat to be nom. by future strata
- Pergola structure - to architect's details
- SW pits- refer to civil eng's detail

WILD LIFE CORRIDOR

Objectives to preserve and enhance the area's amenity, and to improve air quality, prevent soil erosion, and to provide natural habitat for local wildlife, etc. refer to Warringah DCP Part D E4



LANDSCAPE CALCULATIONS

- refer to architectural drawing for calculation

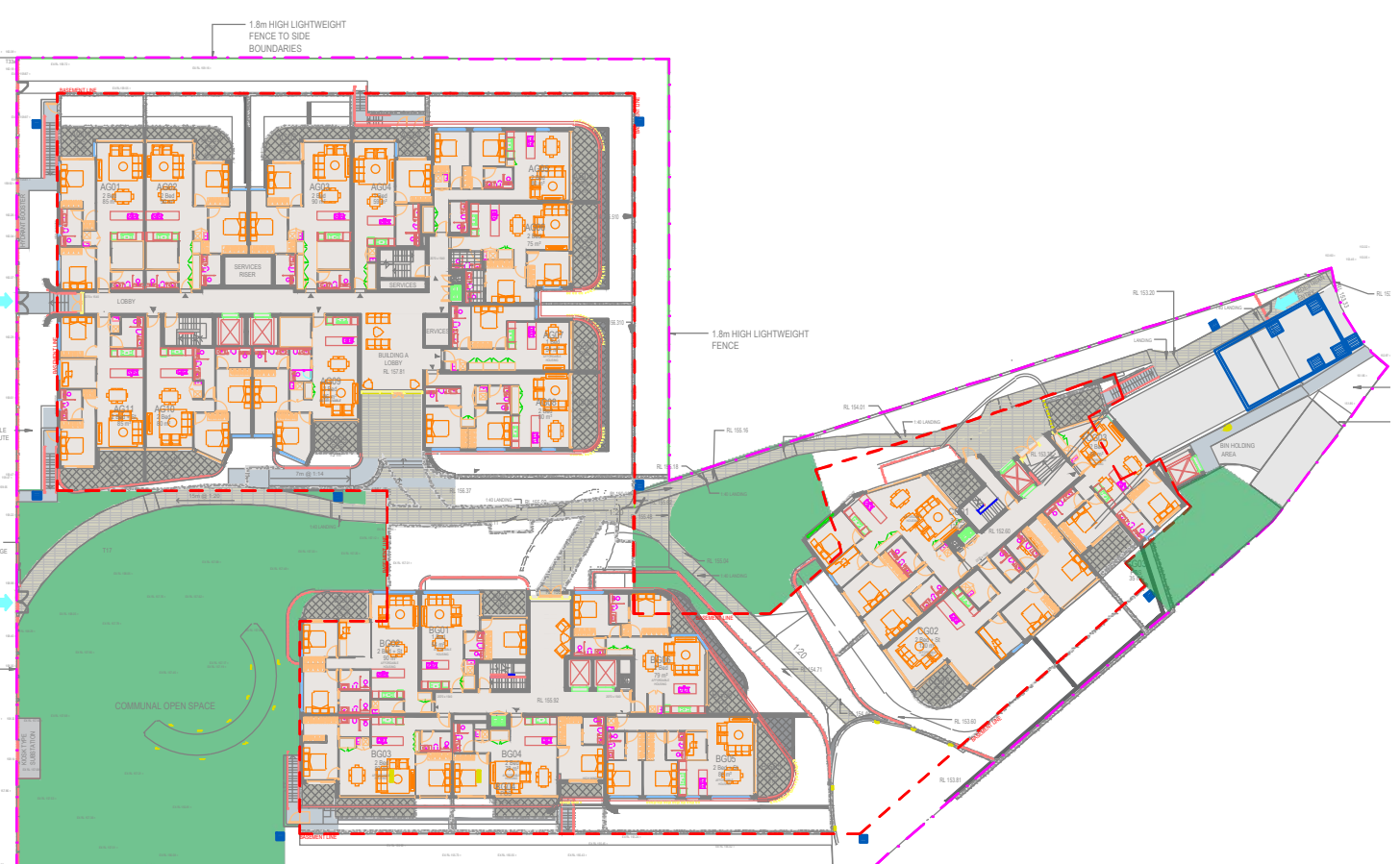
SITE AREA: 5740.4m²
REQUIRED LANDSCAPE AREA: 2583m²(45%)
MIN 2 METRES DIMENSIONS, AND CAN INCLUDE AREAS ON SLAB WITH MIN.1M SOIL DEPTH
PROPOSED LANDSCAPE AREA: 2584m² (44%)
MIN.2 METER DIMENSIONS & AREAS ON SLAB WITH MIN. 1M SOIL DEPTH
PROPOSED OTHER LANDSCAPE AREA: 30.8m²
WITH LESS THAN 2 METRES DIMENSIONS & AREAS WITH LESS THAN 1M SOIL DEPTH
PROPOSED TOTAL LANDSCAPE AREA: 2614.8m² (45.5%)
INCLUDING AREAS LESS THAN 2 METRES DIMENSIONS & AREAS WITH LESS THAN 1M SOIL DEPTH
LANDSCAPE AREAS WITH MIN.2M DIMENSION INCLUDED IN CALCULATION:
OTHER LANDSCAPE AREAS INCLUDED IN CALCULATION



DEEP SOIL CALCULATION

- refer to architectural drawing for calculation

SITE AREA: 5740.4m²
REQUIRED DEEP SOIL AREA: 401.8m² (7%)
PROPOSED DEEP SOIL AREA: 1115m² (19.4%)
DEEP SOIL AREA INCLUDED IN CALCULATION:



LEGEND & SCHEDULE

- NOTES:
1. ALL FINAL PLANT QUANTITIES INDICATED ON PLANS SHALL BE CHECKED AND VERIFIED BY SUCCESSFUL LANDSCAPE CONTRACTOR.
 2. ANY PLANT SUBSTITUTES REQUIRED DUE TO UNAVAILABILITY SHALL BE RECOMMENDED BY THE LANDSCAPE CONTRACTOR TO BEST MATCH SUBSTITUTED PLANTS AND APPROVED PRIOR TO PURCHASING BY THE LANDSCAPE ARCHITECT.
 3. WORKS CERTIFIED FOR FINAL OCCUPANCY CERTIFICATE ARE TO MATCH APPROVED LANDSCAPE PLANS.
 4. LANDSCAPE CONTRACTOR SHALL LOCATE AND AVOID SITE STORM WATER & DRAINAGE SERVICES. LOCATE TREES A MINIMUM 1.25M FROM PITS.
 5. ALL PLANTING AROUND EXISTING TREES SHALL BE ADJUSTED TO AVOID DAMAGE AND CLASHING WITH SURFACE ROOTS.
 6. THE NATURE STRIP (STREET FRONTAGE) FOR THE SITE IS PUBLIC LAND, AND ONLY AUTHORIZED WORKS MAY OCCUR HERE. EXISTING CONDITIONS SUCH AS STREET TREES, COUNCIL PLANTING ETC SHALL BE RETAINED AND PROTECTED DURING CONSTRUCTION, UNLESS SPECIFIC APPROVAL HAS BEEN GRANTED FOR NEW WORK IN THIS AREA.
 7. ALL TREES TO BE SOURCED IN ACCORDANCE WITH TESTS AND MEASUREMENTS CONTAINED WITHIN AS 2303-2015 - TREE STOCK FOR LANDSCAPE USE

CANOPY TREES

- trees selected from replacement planting list of the arborist report marked as *

- AS Botanical Name: *Acmena smithii* *
Common Name: Lillypilly (Native)
Pot size: 100L
Mature H x S: 13-20m x 8-15m
Qty Required: 8
- CG Botanical Name: *Corymbia gummifera* *
Common Name: Red Bloodwood (Native)
Pot size: 100L
Mature H x S: 20m+ x 14-20m
Qty Required: 2
- WF Botanical Name: *Waterhousea floribunda* *
Common Name: Weeping Lilly Pilly (Native)
Pot size: 100L
Mature H x S: 10m x 6m
Qty Required: 4
- BS Botanical Name: *Banksia serrata* *
Common Name: Old Man Banksia (Native)
Pot size: 100L
Mature H x S: 8-10m x 4-5m
Qty Required: 3

FEATURE & GARDEN SCALE TREES

- ER Botanical Name: *Elaeocarpus reticulatus* *
Common Name: Blueberry Ash (Native)
Pot size: 75L
Mature H x S: 8-10m x 6-7m
Qty Required: 6
- LI Botanical Name: *Lagerstroemia indica*
Common Name: Crepe myrtle (Exotic)
Pot size: 75L
Mature H x S: 8m x 5m
Qty Required: 1
- BC Botanical Name: *Buckinghamia celsissima*
Common Name: Ivory Curl Flower (Native)
Pot size: 75L
Mature H x S: 7m x 3m
Qty Required: 4

SHRUBS & SCREEN PLANTING

- VO Botanical Name: *Viburnum odoratissimum*
Common Name: Sweet Viburnum (Exotic)
Pot size: 200mm
Mature H x S: 3m x 2m
Qty Required: 122
- AZV Botanical Name: *Alpinia zerumbet* 'Variegata'
Common Name: Variegated Shell Ginger (Exotic)
Pot size: 200mm
Mature H x S: 1.8m x 0.8m
Qty Required: 63
- MP Botanical Name: *Murraya paniculata*
Common Name: Orange Jessamine (Exotic)
Pot size: 200mm
Mature H x S: 4m x 2-3m
Qty Required: 91
- LB Botanical Name: *Leucophyta brownii*
Common Name: Cushion Bush (Native)
Pot size: 200mm
Mature H x S: 1.2m x 1.2m
Qty Required: 60
- GC Botanical Name: *Grevillea 'Crimson Villa'*
Common Name: Crimson Villa Grevillea (Native)
Pot size: 200mm
Mature H x S: 0.8m x 0.8m
Qty Required: 40
- NDF Botanical Name: *Nandina domestica* 'Flirt'
Common Name: Heavenly Bamboo (Exotic)
Pot size: 200mm
Mature H x S: 0.3-0.6m x 0.5m
Qty Required: 110
- CBJ Botanical Name: *Callistemon 'Better John'*
Common Name: Better John Bottlebrush (Native)
Pot size: 200mm
Mature H x S: 1m x 0.9m
Qty Required: 12
- RAF Botanical Name: *Rhagodia 'Aussie Flat Bush'*
Common Name: Salt Bush (Native)
Pot size: 200mm
Mature H x S: 0.5m x 0.9m
Qty Required: 21
- WBG Botanical Name: *Westringia 'Blue Gem'*
Common Name: B. Gem Coastal Rosemary (Native)
Pot size: 200mm
Mature H x S: 1.5m x 1.3m
Qty Required: 5
- BSB Botanical Name: *Banksia spinulosa* 'Birthday Candles'
Common Name: Banksia Birthday Candles (Native)
Pot size: 200mm
Mature H x S: 0.6m x 0.9m
Qty Required: 25

- GHG Botanical Name: *Grevillea 'Honey Gem'*
Common Name: Honey Gem Grevillea (Native)
Pot size: 300mm
Mature H x S: 3-5m x 2-3m
Qty Required: 9
- MFF Botanical Name: *Metrosideros 'Fiji Fire'*
Common Name: NZ Christmas Bush (Exotic)
Pot size: 200mm
Mature H x S: 2m x 1.8m
Qty Required: 11
- DE Botanical Name: *Doryanthes excelsa*
Common Name: Gymea Lily (Native)
Pot size: 300mm
Mature H x S: 1.1m x 1m
Qty Required: 7
- CYA Botanical Name: *Cyathea australis*
Common Name: Rough Tree Fern (Native)
Pot size: 45L
Mature H x S: 2.5-5m x 3m
Qty Required: 7
- DA Botanical Name: *Doodia aspera*
Common Name: Prickly Rasp Fern (Native)
Pot size: 150mm
Mature H x S: 0.4m x 0.5m
Qty Required: 24
- RE Botanical Name: *Rhaphis excelsa*
Common Name: Rhaphis Palm (Exotic)
Pot size: 200mm
Mature H x S: 3m x 1.5m
Qty Required: 100

GROUNDCOVERS & GRASSES

- PX Botanical Name: *Philodendron 'Xanadu'*
Common Name: Xanadu Plant (Exotic)
Pot size: 140mm
Mature H x S: 0.7m x 0.7m
Qty Required: 90
- LLT Botanical Name: *Lomandra longifolia* 'Tanika'
Common Name: Dwarf Mat Rush (Native)
Pot size: 150mm
Mature H x S: 0.8m x 0.8m
Qty Required: 44
- DASF Botanical Name: *Dichondra argentea* 'Silver Falls'
Common Name: Silver Falls Dichondra (Exotic)
Pot size: 140mm
Mature H x S: 0.15m x spreading
9m/2 (19m2 total)
- DR Botanical Name: *Dichondra repens*
Common Name: Kidney Weed (Native)
Pot size: 140
Mature H x S: 0.15m x spreading
9m/2 (25.5m2 total)
- BM Botanical Name: *Brachyscome multifida*
Common Name: Cut-leaf daisy (Native)
Pot size: 140mm
Mature H x S: 0.4m x 0.5m
Qty Required: 5m/2 (6.0m2 total)
- MPY Botanical Name: *Myoporum parvifolium* 'Yareena'
Common Name: Creeping Boobialla (Native)
Pot size: 140mm
Mature H x S: 0.15m x spreading
7m/2 (13m2 total)

PLANTING MIX

- MIX 1 Botanical Name: *Philodendron 'Xanadu'*
Common Name: Xanadu Plant (Exotic)
Pot size: 140mm
Mature H x S: 0.7m x 0.7m
Qty Required: 90
- MIX 2 Botanical Name: *Lomandra longifolia* 'Tanika'
Common Name: Dwarf Mat Rush (Native)
Pot size: 150mm
Mature H x S: 0.8m x 0.8m
Qty Required: 44
- MIX 3 Botanical Name: *Philodendron 'Xanadu'*
Common Name: Xanadu Plant (Exotic)
Pot size: 140mm
Mature H x S: 0.7m x 0.7m
Qty Required: 90
- MIX 4 Botanical Name: *Lomandra longifolia* 'Tanika'
Common Name: Dwarf Mat Rush (Native)
Pot size: 150mm
Mature H x S: 0.8m x 0.8m
Qty Required: 44

LEGEND & SCHEDULE

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CANOPY TREES

- trees selected from replacement planting list of the arborist report marked as *

CG
Botanical Name: *Corymbia gummifera* *
Common Name: Red Bloodwood (Native)
Pot size: 100Lt
Mature H x S: 20m+ x 14-20m
Qty Required: 2

FEATURE & GARDEN SCALE TREES

ER
Botanical Name: *Elaeocarpus reticulatus* *
Common Name: Blueberry Ash (Native)
Pot size: 75Lt
Mature H x S: 8-10m x 6-7m
Qty Required: 2

LI
Botanical Name: *Lagerstroemia indica*
Common Name: Crepe myrtle (Exotic)
Pot size: 75Lt
Mature H x S: 8m x 5m
Qty Required: 1

BC
Botanical Name: *Buckinghamia celsissima*
Common Name: Ivory Curl Flower (Native)
Pot size: 75Lt
Mature H x S: 7m x 3m
Qty Required: 2

SHRUBS & SCREEN PLANTING

VO
Botanical Name: *Viburnum odoratissimum*
Common Name: Sweet Viburnum (Exotic)
Pot size: 200mm
Mature H x S: 3m x 2m
Qty Required: 44

AZV
Botanical Name: *Alpinia zerumbet* 'Variegata'
Common Name: Variegated Shell Ginger (Exotic)
Pot size: 200mm
Mature H x S: 1.8m x 0.8m
Qty Required: 22

LB
Botanical Name: *Leucophyta brownii*
Common Name: Cushion Bush (Native)
Pot size: 200mm
Mature H x S: 1.2m x 1.2m
Qty Required: 27

GC
Botanical Name: *Grevillea 'Crimson Villea'*
Common Name: Crimson Villea Grevillea (Native)
Pot size: 200mm
Mature H x S: 0.8m x 0.8m
Qty Required: 7

NDF
Botanical Name: *Nandina domestica 'Flirt'*
Common Name: Heavenly Bamboo (Exotic)
Pot size: 200mm
Mature H x S: 0.3-0.6m x 0.5m
Qty Required: 25

CBJ
Botanical Name: *Callistemon 'Better John'*
Common Name: Better John Bottlebrush (Native)
Pot size: 200mm
Mature H x S: 1m x 0.9m
Qty Required: 18

BSB
Botanical Name: *Banksia spinulosa 'Birthday Candles'*
Common Name: Banksia Birthday Candles (Native)
Pot size: 200mm
Mature H x S: 0.6m x 0.9m
Qty Required: 5

MFF
Botanical Name: *Metrosideros 'Fiji Fire'*
Common Name: NZ Christmas Bush (Exotic)
Pot size: 200mm
Mature H x S: 2m x 1.8m
Qty Required: 21

DE
Botanical Name: *Doryanthes excelsa*
Common Name: Gymea Lily (Native)
Pot size: 300mm
Mature H x S: 1.1m x 1m
Qty Required: 2

CYA
Botanical Name: *Cyathea australis*
Common Name: Rough Tree Fern (Native)
Pot size: 45Lt
Mature H x S: 2.5-5m x 3m
Qty Required: 6

MD
Botanical Name: *Monstera deliciosa*
Common Name: Ceriman (Exotic)
Pot size: 300mm
Mature H x S: 1.5m x 2m
Qty Required: 11

DA
Botanical Name: *Doodia aspera*
Common Name: Prickly Rasp Fern (Native)
Pot size: 150mm
Mature H x S: 0.4m x 0.5m
Qty Required: 24

GROUNDCOVERS & GRASSES

PX
Botanical Name: *Philodendron 'Xanadu'*
Common Name: Xanadu Plant (Exotic)
Pot size: 140mm
Mature H x S: 0.7m x 0.7m
Qty Required: 80

LLT
Botanical Name: *Lomandra longifolia 'Tanika'*
Common Name: Dwarf Mat Rush (Native)
Pot size: 150mm
Mature H x S: 0.8m x 0.8m
Qty Required: 45

DASF
Botanical Name: *Dichondra argentea 'Silver Falls'*
Common Name: Silver Falls Dichondra (Exotic)
Pot size: 140mm
Mature H x S: 0.15m x spreading
Qty Required: 9/m2 (1.5m2 total)

DR
Botanical Name: *Dichondra repens*
Common Name: Kidney Weed (Native)
Pot size: 140mm
Mature H x S: 0.15m x spreading
Qty Required: 9/m2 (8.0m2 total)

BM
Botanical Name: *Brachyscome multifida*
Common Name: Cut-leaf daisy (Native)
Pot size: 140mm
Mature H x S: 0.4m x 0.5m
Qty Required: 5/m2 (31m2 total)

MPY
Botanical Name: *Myoporum parvifolium 'Yareena'*
Common Name: Creeping Boobialla (Native)
Pot size: 140mm
Mature H x S: 0.15m x spreading
Qty Required: 7/m2 (9.5m2 total)

PLANTING MIX

MIX 1
Planting Mix 1:
Pot size: Tube stock
Mature H x S: < .5m
Qty Required: Refer to matrix(54m2 total)

MIX 2
Planting Mix 2:
Pot size: Tube stock
Mature H x S: < .6m
Qty Required: Refer to matrix(44m2 total)

MIX 3
Planting Mix 3:
Pot size: Tube stock
Mature H x S: < .5m
Qty Required: Refer to matrix(20m2 total)

MIX 4
Planting Mix 4:
Pot size: Tube stock
Mature H x S: < .8m
Qty Required: Refer to matrix(33m2 total)

AN AUTOMATED COMMERCIAL GRADE IRRIGATION SYSTEM SHALL BE PROFESSIONALLY INSTALLED TO ALL GARDEN AREAS, INCLUDING RAISED PLANTERS, UPPER FLOOR PLANTERS AND GARDENS IN NATURAL GROUND. THE SYSTEM SHALL BE DESIGNED AND INSTALLED IN LINE WITH THE IRRIGATION PERFORMANCE SPECIFICATION, BY A LICENCED CONTRACTOR OR LANDSCAPER. THE LICENCED CONTRACTOR SHALL PREPARE AN 'AS BUILT' PLAN OF THE SYSTEM TO THE SUPERINTENDENT FOR STRATA RECORDS, FOR FUTURE MAINTENANCE.

LANDSCAPE PLAN NOTES

This plan should be read in conjunction with the architectural and hydraulics plans. Work specific to these plans should be prepared in accordance to these plans, including specification and details prior to the installation of landscaping, and should not be altered or compromised during landscape construction. **Retaining wall details to engineers design.**
Elements such as drainage swales may be incorporated in garden bed areas (using non-floatable mulch) without compromising the capacity or form.

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

This plan has been prepared with reference to **NORTHERN BEACHES COUNCIL'S** Landscaping Guidelines & requirements. Planting proposed using commercially available plant species selected from local planting lists and the BASIX local plant list and from Sydney Waters "Plant Selector" web site one-drip rated native plants (**acceptable for BASIX planting**).

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

DA approved landscape plan's are required to be constructed as approved to obtain occupancy certificate. **Permeable areas may be indicated to achieve site coverage restrictions & should be constructed as drawn on this plan.**



SAMPLE IMAGES
Images are diagrammatic only, and final planting species may vary, as determined by Council Approval



LANDSCAPE WORK SPECIFICATION

PRELIMINARIES

1.01 GENERAL

- The following general conditions should be considered prior to the commencement of landscape works:
- The landscape plans should be read in conjunction with the architectural plans, project arborist's assessment, hydraulic plans, service plans and survey prepared for the proposed development.
 - All services including existing drainage should be accurately located prior to the commencement of landscape installation. Any proposed tree planting which falls close to services will be relocated on site under the instruction of the landscape architect.
 - Installation of conduit for required irrigation, electrical and other services shall be completed prior to the commencement of landscape works and handover.
 - All outdoor lighting specified by architect or client to be installed by qualified electrician
 - Anomalies that occur in these plans should be brought to our immediate attention.
 - Where an Australian Standard applies for any landscape material testing or installation technique, that standard shall be followed.

1.02 PROTECTION OF ADJACENT FINISHES

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

1.03 PROTECTION OF EXISTING TREES

Existing trees identified to be retained shall be done in accordance with (AS14970-Protection of trees on development sites as well as in accordance with the tree protection measures prepared by project arborist.

Where general works are occurring around such trees, or pruning is required, a qualified Arborist shall be engaged to oversee such works and manage tree health. Existing trees designated on the drawing for retention shall be protected at all times during the construction period. Any soil within the drip-line of existing trees shall be excavated and removed by hand only. No stockpiling shall occur within the root zone of existing trees to be retained.

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

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

1.04 EROSION & POLLUTION CONTROL

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

- Erosion & pollution control measures shall incorporate the following:
- Construction of a sediment trap at the vehicle access point to the subject site.
 - Sediment fencing using a geotextile filter fabric in the location indicated on the erosion control plan or as instructed on site by the landscape architect.
 - Earth banks to prevent scour of stockpiles
 - Sandbagged kerb sediment traps
 - Straw bales & geotextile sediment filter
 - Exposed banks shall be pegged with an approved Jute matting in preparation for mass planting

Refer to "Sitewise Reference Kit" as prepared by DLWC & WSROC (1997) for construction techniques

SOIL WORKS

2.01 MATERIALS

Specified Soil Conditioner (Generally to improve site soil)

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

New gardens & proposed Planting

New garden and planting areas shall consist of a 50/50 mix of clean site soil (refer d) below) and imported "Organic Garden Mix" as supplied by ANL or approved equal. All mixes are to comply with AS 4419 Soils for landscaping & garden use, & AS 4544 Composts. Soil conditioners & mulches.

Specified Soil Mix - Turf

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

Site Topsoil

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

2.02 INSTALLATION (TO GARDEN OUTSIDE OF TREE PROTECTION ZONES OF TREES RECOMMENDED TO BE RETAINED)

Note: No level changes (Cut or Fill), soil ripping within the Tree Protection Zones of trees to be retained

a) Testing

All testing is to be conducted in accordance with AS 1289 Methods for testing soils for engineering purposes. Site soil shall be given a pH test prior to modifying to ensure conditions are appropriate for planting as stated above. Tests shall be taken in several areas where planting is proposed, and the pH shall be adjusted accordingly with sulphur or lime to suit.

Note that a soil test conducted by the "Sydney Soil Lab" or approved equal shall be prepared for all commercial, industrial and multi-unit residential sites. The successful landscape contractor shall implement the recommendations of this test.

b) Set Out of Individual Trees & Mass Planting Areas

All individual tree planting positions and areas designated for mass planting shall be set out with stakes or another form of marking, ready for inspection and approval. Locate all services.

c) Establishing Subgrade Levels outside of tree protection zones of trees to be retained

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

- Mass Planting Beds - 300mm below existing levels with specified imported soil mix.
- Turf areas - 100mm below finished surface level.

Note that all subgrades shall consist of a relatively free draining natural material, consisting of site topsoil placed previously by the Civil Contractor. No builders waste material shall be acceptable.

d) Subgrade Cultivation

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

e) Drainage Works

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

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

- Trees in turf & beds - Holes shall be twice as wide as root ball and minimum 100mm deeper - backfill hole with 50/50 mix of clean site soil and imported "Organic Garden Mix" as supplied by ANL or approved equal.
 - Mass Planting Beds - Install specified soil conditioner to a compacted depth of 100mm
- Place the specified soil conditioner to the required compacted depth and use a rotary hoe to thoroughly mix the conditioner into the top 300mm of garden bed soil. Ensure thorough mixing and the preparation of a reasonably fine tilth and good growing medium in preparation for planting.
- Turf Areas - Install specified soil mix to a minimum compacted depth of 75mm.
- Place the specified soil mix to the required compacted depth and grade to required finished soil levels, in preparation for planting and turfing.

PLANTING

3.01 MATERIALS

a) Quality and Size of Plant Material

All trees supplied above a 25L container size must be grown and planted in accordance with AS 2303:2018 'TREE STOCK FOR LANDSCAPE USE' Certification that trees have been grown to AS 2303:2018 is to be provided upon request of Council's Tree Management Officer.

Above - Ground Assessment

The following plant quality assessment criteria should be followed:

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

Below - Ground Assessment

Good root division & direction, rootball occupancy, rootball depth, height of crown, non-suckering

For further explanation and description of these assessment criteria, refer to Ross Clark's book. All Plant material shall be to the type and size specified. No substitutions of plant material shall be permitted without written prior approval by the Landscape Architect. No plant shall be accepted which does not conform to the standards listed above.

b) Stakes and Ties

Provide min. 3 No. Stakes and ties to all plants identified as trees in the plant schedule. Stakes shall be sound, unpainted, straight hardwood, free of knots and pointed at one end. They shall be 1800mm x 50mm x 50mm Hardwood timber, or as per council specification where is available. Ties shall be 50mm wide hessian webbing material.

c) Fertilisers

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

d) Mulch

Mulch shall be Eucy Mulch or approved equivalent naturally sources organic mulch. Mulch shall be completely free from any soil, weeds, rubbish or other debris. Mulch for bio-retention/rain garden area where is required shall be non-floatable materials that could include crushed rock, gravel, coarse river sand, scoria or river pebbles. 4-7mm screenings or similar.

e) Turf

Turf for project site shall be soft leaf Buffalo or Zoyzia macrantha 'Nana' or equivalent unless stated otherwise), free from any weeds and other grasses, and be in a healthy growing condition. Re-turfing to nature strip where is required shall use species that match existing on street.

3.02 INSTALLATION

a) Setting Out

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

b) Planting

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

c) Staking and Tying

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

d) Mulching

Mulch shall be Eucy Mulch or approved equivalent naturally sources organic mulch. Mulch shall be completely free from any soil, weeds, rubbish or other debris. Mulch for bio-retention/rain garden area where is required shall be non-floatable materials that could include crushed rock, gravel, scoria or river pebbles. 4-7mm screenings or similar.

e) Turfing

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

f) Steel edging

Where is required, the Contractor shall install steel edging as detailed on the drawings, to all mass planting beds adjoining turf or gravel mulched areas, and where required. The resultant edge shall be true to line and flush with adjacent surfaces. However, no edging shall be used within the Structural Root Zone (SRZ) of trees to be retained.

g) Earth retaining structure

All walls which form part of drainage works must be built as detailed by the hydraulic engineer. All walls exceeding 800mm shall be of not timber construction materials, construction details to be provided by a qualified engineer. Install wall to suit site levels and to manufacturer's specification.

HARDSCAPE WORKS

4.01 GENERAL

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

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

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

Your attention is directed to any obligations or responsibilities under the Dividing Fences Act, 1991 in respect of adjoining property owners which may arise from this application. Any enquiries in this regard may be made to the Crown Lands Division on (02) 8536 5332.

IRRIGATION WORKS

5.01 GENERAL (PERFORMANCE SPECIFICATION)

New irrigation systems to planting areas shall be a Commercial Grade Irrigation System conforming to all relevant Australian standards, including AS 3500 & the Electrical Safety Act 2002, Workplace Health & Safety Act 2011, & the latest Sydney Water Code.

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

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

Drawings:

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

Design Requirements:

- The irrigation system shall be installed prior to all planting works. It shall incorporate a commercially available irrigation system, with sub-surface dripper lines to irrigate all gardens, planters and lawn areas.
- It shall incorporate a suitable back flow prevention device for the scale of works, an in-line filter, check valves, and suitable high and low density poly hose fittings and PVC piping to achieve flow rates suitable for specified planting.
- The irrigation application rate shall not exceed the infiltration rate of the soil or creates run-off.
- The landscape contractor shall check the existing pressure available from the ring mains and size irrigation piping to suit. Supply shall be from local hose cock where available.
- All piping and fittings shall be buried 50mm below the finished soil levels in garden and lawn areas, and secured in position at 500mm centres with galv wire pins.
- Size of pipes shall be selected to ensure the working pressure at the end of the line does not decrease by more than 5%.

Services Co-ordination:

- Co-ordination required by Landscape Contractor or Project Manager to provide required conduit, pipe work and penetration through slabs and planter walls for water and power provisions.
- The Landscape Contractor shall be engaged with the Irrigation Specialist to co-ordinate with the Project Manager to identify the preferred service and conduit locations.
- Project Manager and Landscape Contractor to establish area suitable for irrigation control system with required area, power provision and water supply.

Testing & Defects:

- Upon completion of installation, the system shall be tested, including:
 - Main Line Pressure Test: The main line is pressurised to test for leaks. All valves are shut and the pressure is taken over a determined length of time.
 - Dripper Pressure Test: Measurement at flushing valves are taken and the pressure gauged to make sure it conforms to the manufacturer's recommendations. The inlet pressure is then tested under the same conditions to check it does not exceed 500kPa.
- All components are to be satisfactorily functional and operational prior to approval. Should any defect develop, or the capacity or efficiency of the system decline during the agreed maintenance system, then these faults shall be immediately rectified.

Warranty:

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

Further Documentation:

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

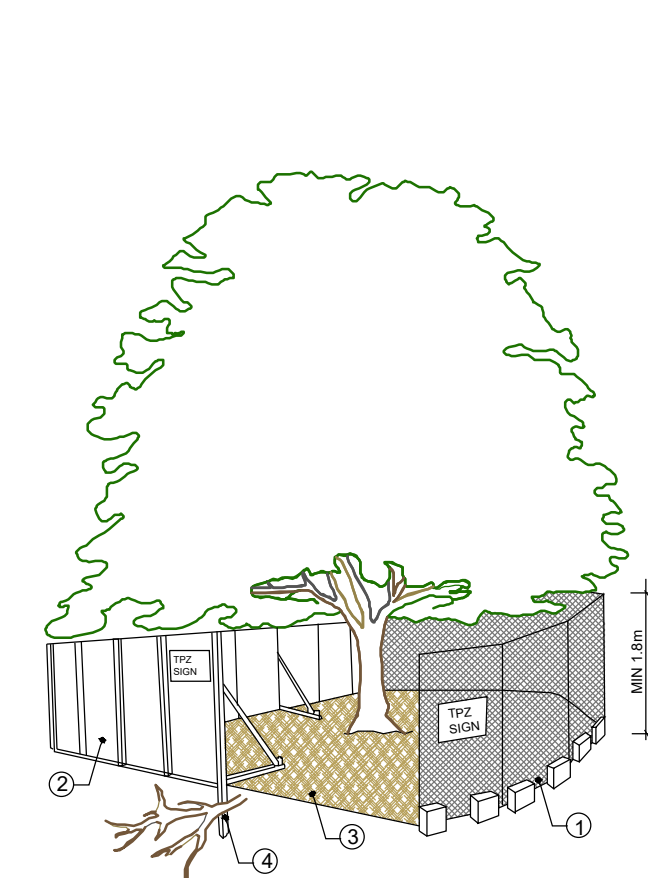
CONSOLIDATION AND MAINTENANCE

6.01 GENERAL

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

This shall include, but not be limited to, the following items where and as required:

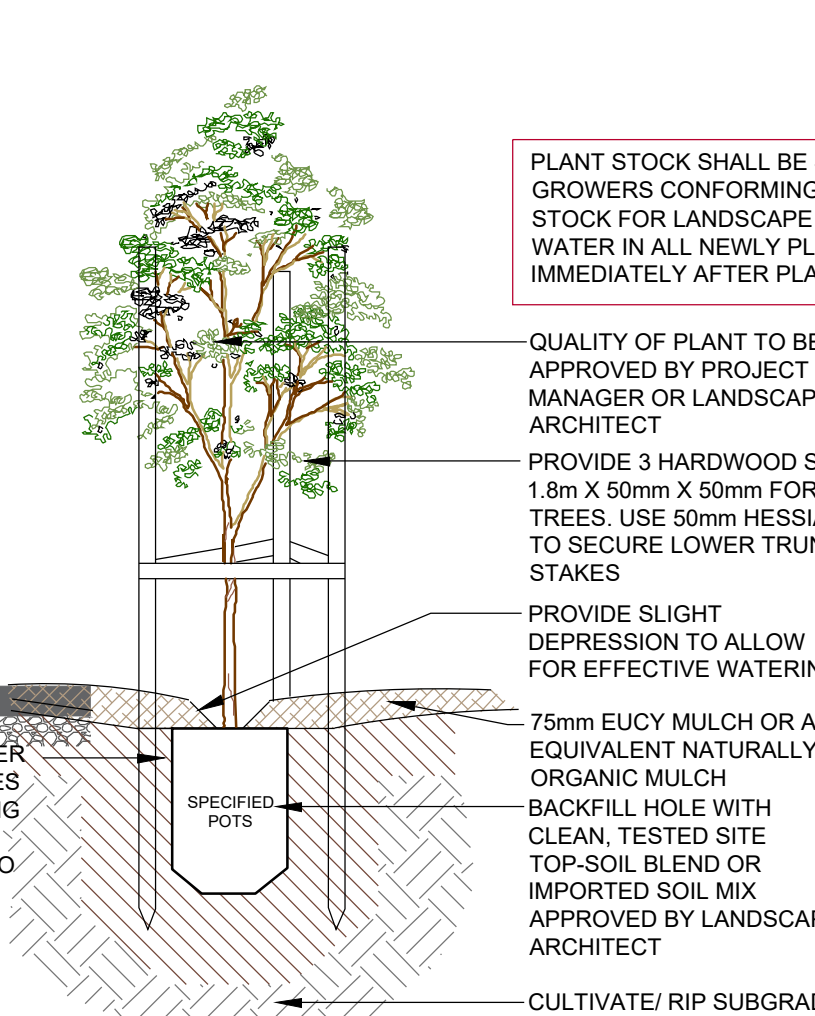
- Watering all planting and lawn areas / irrigation maintenance.
 - Clearing litter and other debris from landscaped areas.
 - Removing weeds, pruning and general plant maintenance.
 - Replacement of damaged, stolon or unhealthy plants.
 - Make good areas of soil subsidence or erosion.
 - Topping up of mulched areas.
 - Spray / treatment for Insect and disease control.
 - Fertilizing with approved fertilizers at correct rates.
 - Mowing lawns & trimming edges each 14 days in summer or 18 days in winter
 - Adjusting ties to Stakes
 - Maintenance of all paving, retaining and hardscape elements.
- On the completion of the maintenance period, the landscape works shall be inspected and at the satisfaction of the superintendent or landscape architect, the responsibility will be signed over to the client.



PROVIDE FENCING AS DETAILED TO ALL TREES PROPOSED TO BE RETAINED ON THE SUBJECT SITE. FENCING TO BE LOCATED TO THE DRIP LINE OF TREES OR AS INDICATED ON PLANS OR DIRECTED ON-SITE BY ARBORIST. NO STOCKPLING WITHIN FENCE PERIMETERS.

TREE PROTECTION ZONE

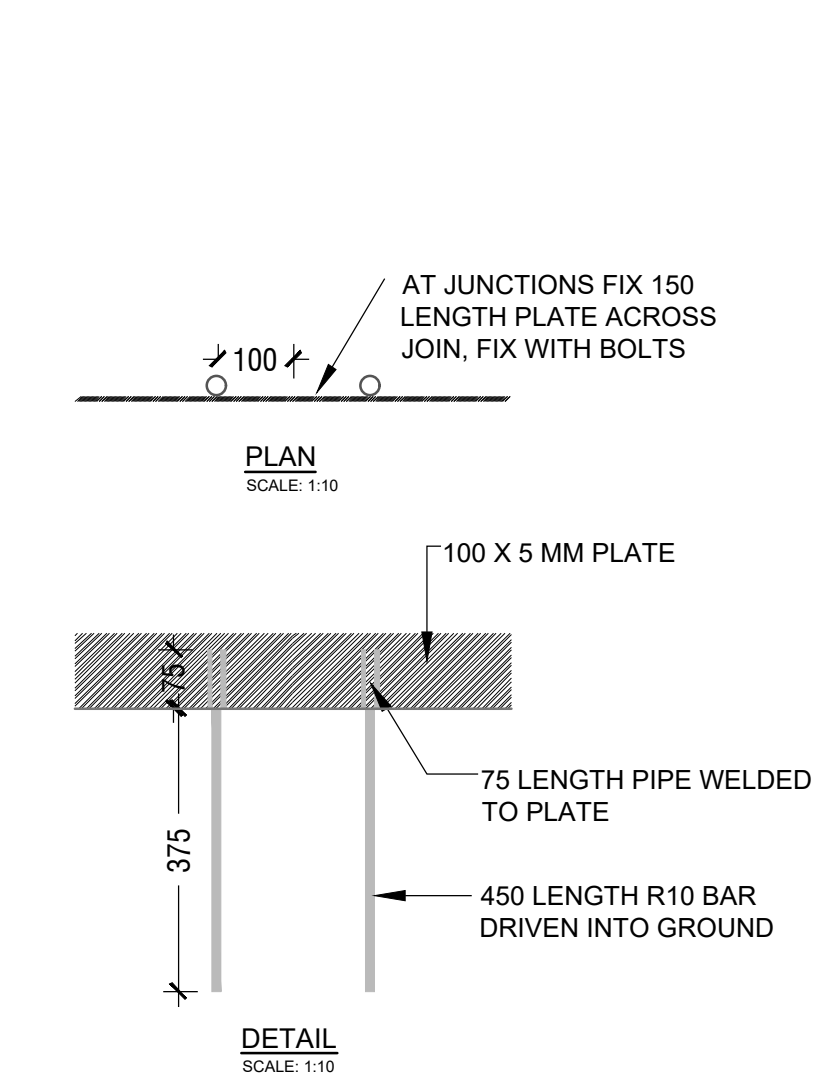
N.T.S



TREE PLANTING DETAIL

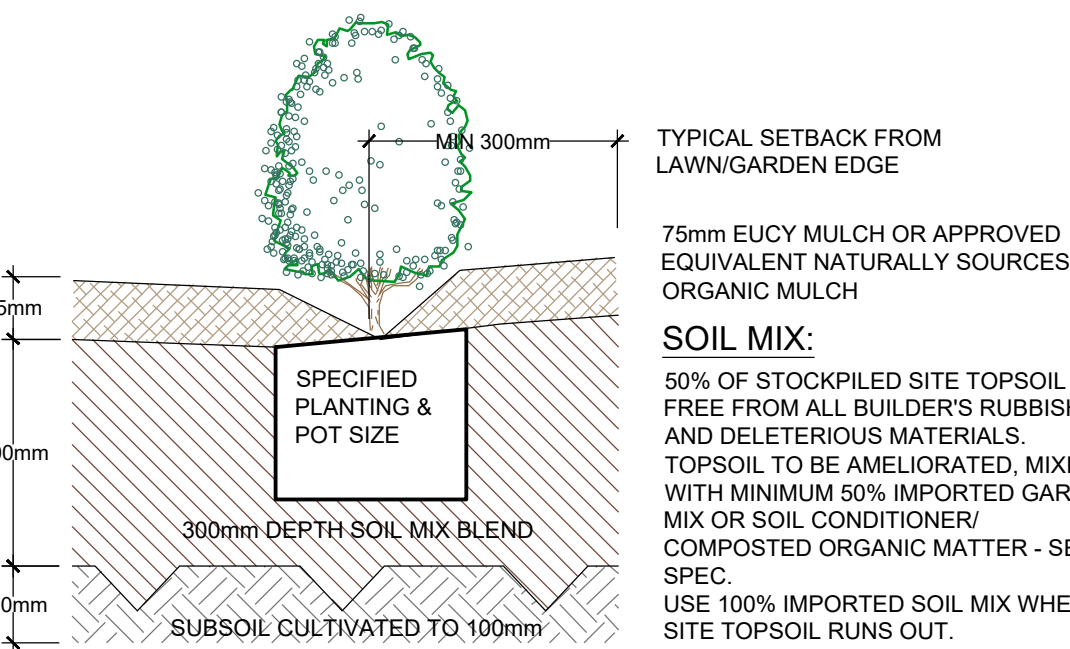
SCALE: 1:10

(ONLY APPLICABLE FOR PLANTING AREA OUTSIDE TREE PROTECTION ZONE OF TREES TO BE RETAINED. NO CHANGES ARE TO OCCUR TO EXISTING LEVELS, INCLUDING RIPPING/CULTIVATING OF THE SOIL WITHIN THE TPZ OF TREES TO BE RETAINED ON SITE)



STEEL EDGE DETAIL

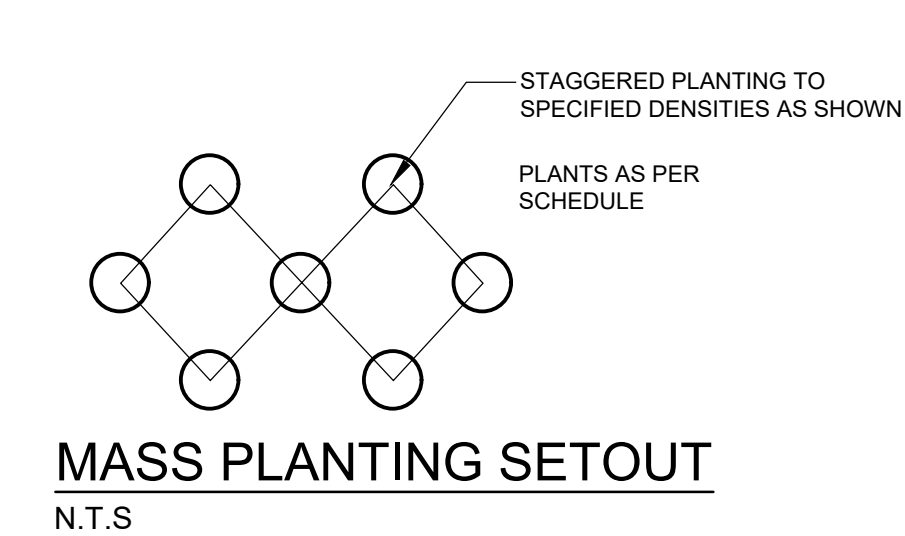
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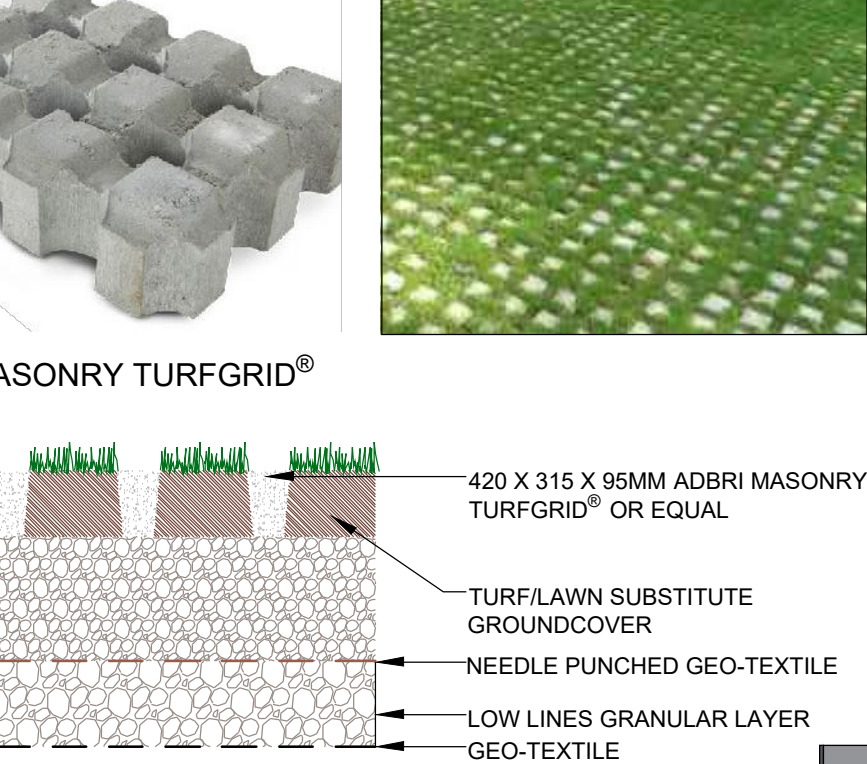
TYPICAL GARDEN PREPARATION DETAIL

SCALE 1:10

(ONLY APPLICABLE FOR PLANTING AREA OUTSIDE TREE PROTECTION ZONE OF TREES TO BE RETAINED. NO CHANGES ARE TO OCCUR TO EXISTING LEVELS, INCLUDING RIPPING/CULTIVATING OF THE SOIL WITHIN THE TPZ OF TREES TO BE RETAINED ON SITE)

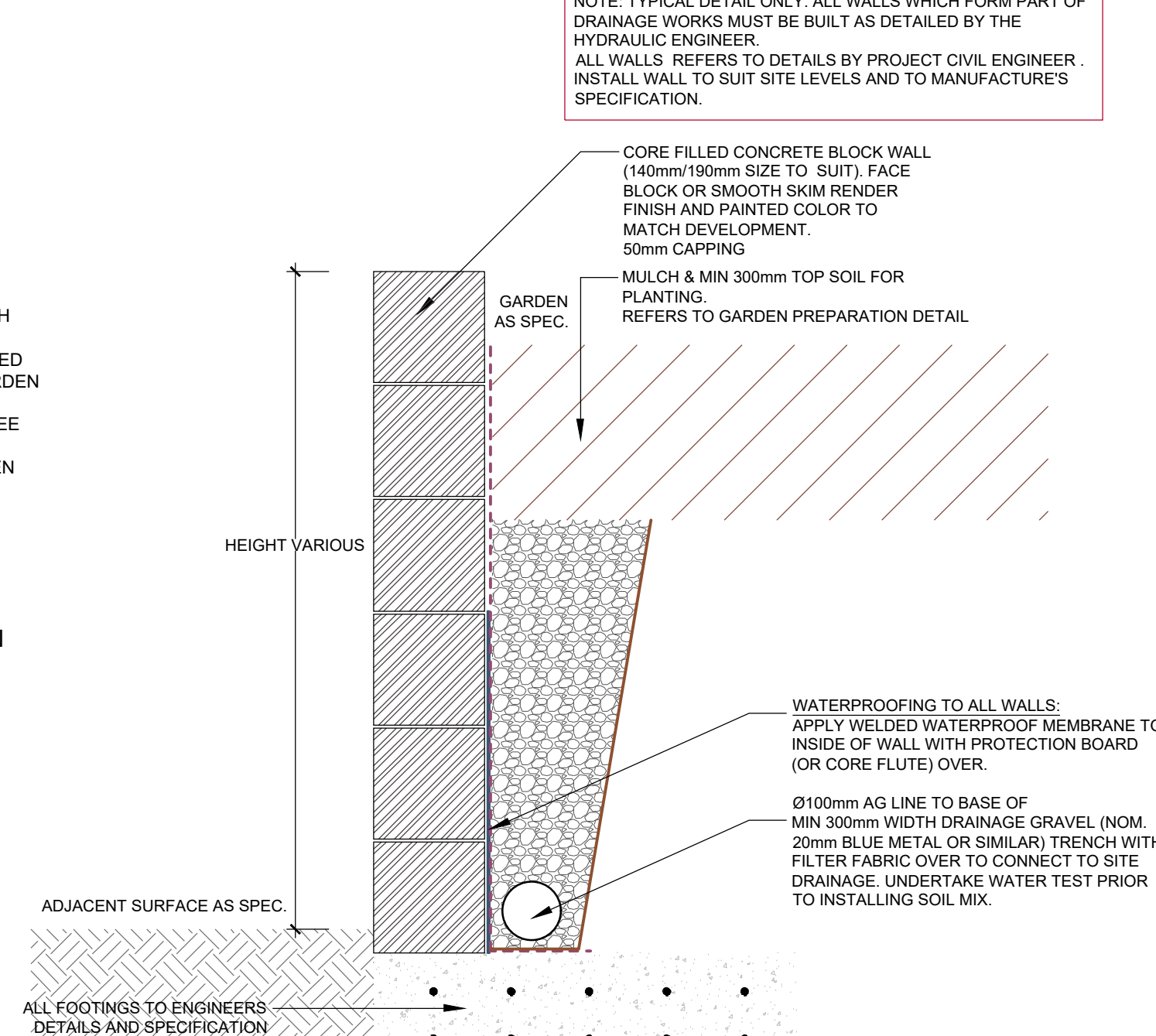


ADDBRI MASONRY TURFGRID®



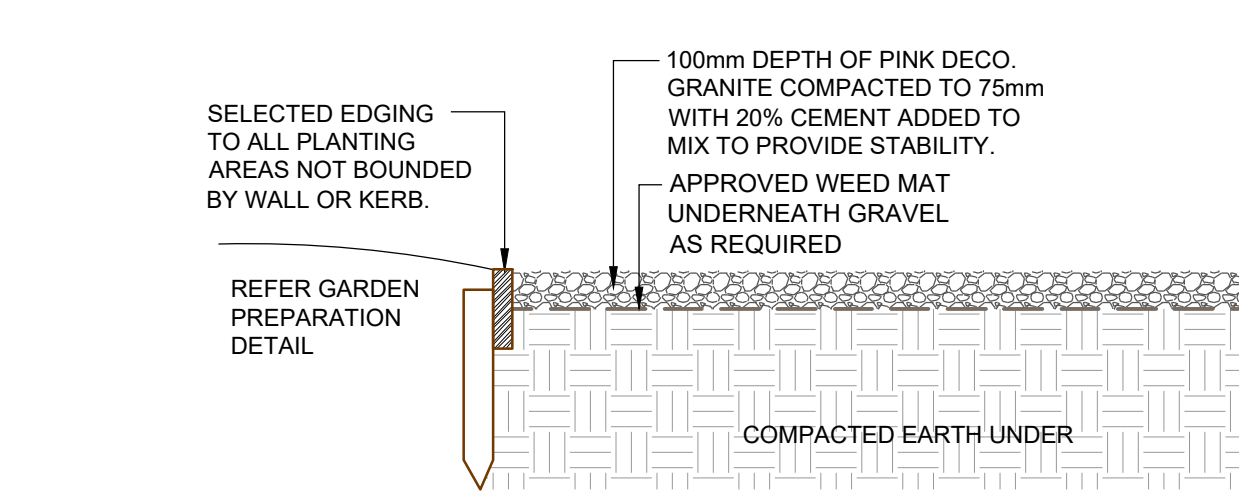
TYPICAL TURFGRID DETAIL

SCALE 1:25



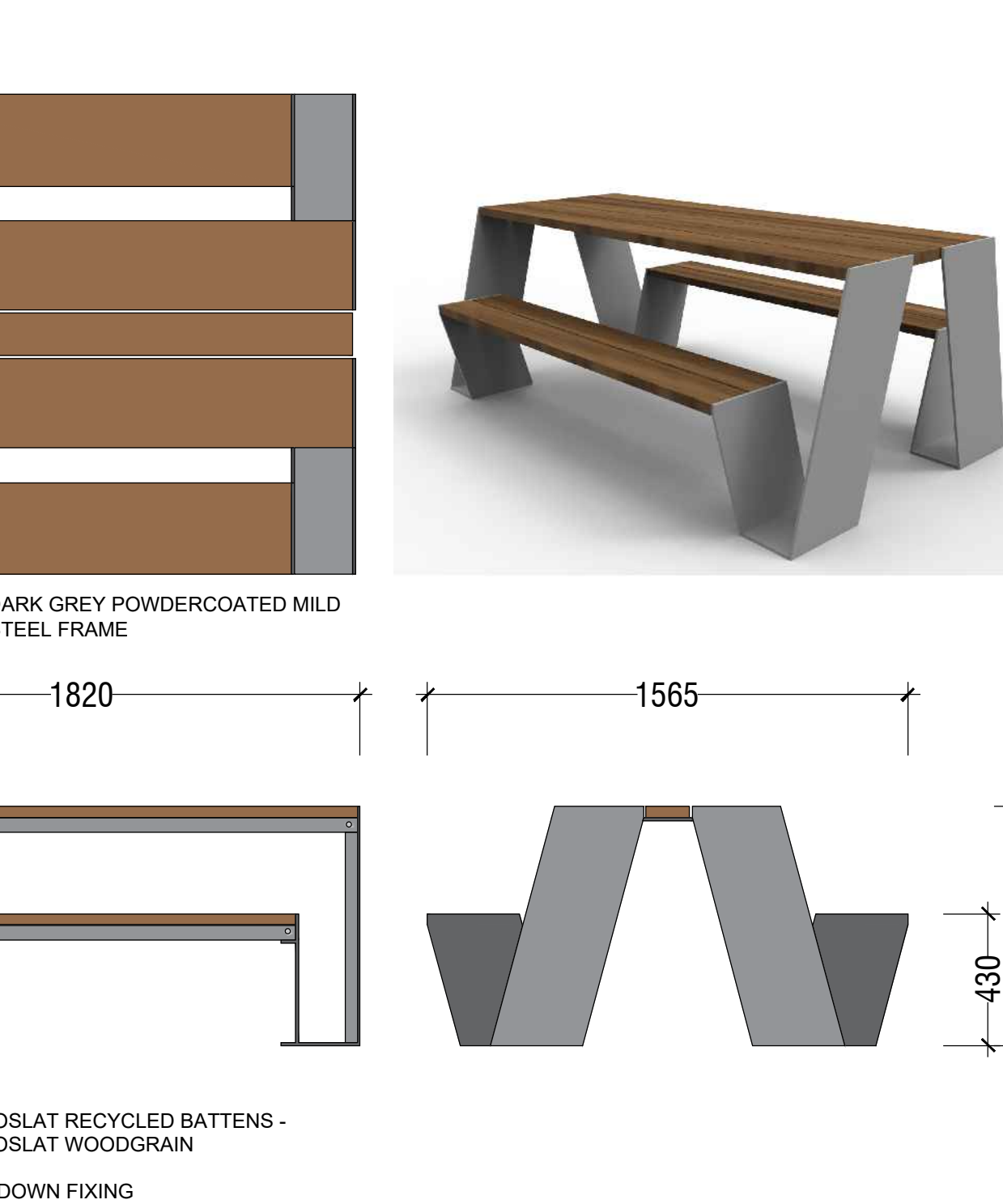
TYPICAL MASONRY BLOCK RETAINING WALL

APPROX 1:10



TYPICAL GRAVEL PATH DETAIL



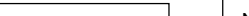
N.T.S



NOTE: DRAWING IS INDICATIVE ONLY. PRODUCT BY COMMERCIAL SYSTEMS AUSTRALIA. REFER MANUFACTURER'S SPECIFICATIONS & INSTRUCTIONS FOR INSTALLATION

ODYSSEY PICNIC SETTING BY CSA - PRODUCT CODE: TM4170

SCALE 1:20

<p>GENERAL NOTE:</p> <p>Figured dimensions take preference to scale readings. Verify all dimensions on site. All dimensions are given in millimetres unless otherwise stated. Refer any discrepancies to the Landscape Architect before proceeding with the work.</p> <p>© Copyright R. L. Free Landscape Architectural Services T/A CONCEPT</p> <p>This drawing is protected by copyright. All rights are reserved. Unless permitted under the Copyright Act 1968, no part of this drawing may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage or retrieval system, without the prior written permission of the copyright owner.</p> <p>If the Status of this drawing is not signed off by the Contractor it may be subject to change, alteration or amendment at the discretion of the design office.</p>		<p>www.dialbeforeyoudig.com.au</p> <p></p> <p>DIAL 1100 BEFORE YOU DIG</p>		<p></p> <p>ALA Associate</p>		<p>If this Concept is not liable for any loss, damage, harm or injury whether physical, consequential, direct or indirect, arising from or in any other process as a result of use of any of the drawings for construction purposes.</p> <p>These plans and associated documents form the property of R. L. Free Landscape Architectural Services Pty Ltd (R.L. Free) and shall remain the property of R.L. Free. No part of this drawing may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage or retrieval system, without the prior written permission of the copyright owner.</p> <p>If the Status of this drawing is not signed off by the Contractor it may be subject to change, alteration or amendment at the discretion of the design office.</p>		<p>ARCHITECT:</p> <p>BREWSTER MURRAY</p>		<p>LANDSCAPE ARCHITECT:</p> <p>Sue 101, 526 Miller Street, CAMMERAY NSW 2062</p> <p>Phone: 9922 5312 Fax: 8509 4982 Mob: 0413 861 351</p> <p>www.conzept.net.au enquiries@conzept.net.au</p> <p></p>		<p>COUNCIL:</p> <p>NORTHERN BEACHES</p> <p>CLIENT:</p> <p>KEVIN HUANG</p>		<table><thead><tr><th>REV</th><th>DATE</th><th>NOTATION/AMENDMENT</th></tr></thead><tbody><tr><td>A</td><td>04.09.23</td><td>Preliminary plan prepared for review</td></tr><tr><td>H</td><td>14.03.24</td><td>Coordinated with architectural updates</td></tr><tr><td>I</td><td>04.04.24</td><td>Coordinated with civil eng's updates</td></tr></tbody></table>		REV	DATE	NOTATION/AMENDMENT	A	04.09.23	Preliminary plan prepared for review	H	14.03.24	Coordinated with architectural updates	I	04.04.24	Coordinated with civil eng's updates	<p>PROJECT:</p> <p>PROPOSED RESIDENTIAL DEVELOPMENT</p> <p>116-120 FRENCHS FOREST RD WEST & 11 GLADYS AVE, FRENCHS FOREST</p>		<p>TITLE:</p> <p>DETAILS & SPECIFICATIONS</p> <p>DWG No:</p> <p>LPDA 24 - 44</p>		<p>STATUS:</p> <p>DEVELOPMENT APPLICATION</p> <p>SCALE:</p> <p>DATE:</p> <p>APRIL 2024</p> <p>PAGE NUMBER:</p> <p>5</p> <p>DRAWN:</p> <p>L.Z</p> <p>CHECKED:</p> <p>R.F</p>	
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10-16MM x 16MM SELF DRILLING SCREW PLACING SCREWS TO CONFIRM TO AS 3566 CLASS 3

FRAMED COLORBOND PANELS TO 1.8M HIGH COLOR 'GREY RIDGE' OR AS SELECTED BY CLIENT OR TO MATCH EXISTING SITE FENCING MANUFACTURER: COLORBOND OR APPROVED EQUIVALENT

100MM SQ SHS GALV. & POWDER COATED TO MATCH FENCE

FOOTINGS TO MANUFACTURER'S SPECIFICATIONS

1800mm

STANDARD PANEL WIDTH

REQUIRED FINISHED LEVEL

WHERE LEVEL CHANGES ARE REQUIRED BETWEEN FENCING PANELS, ANY STEPS SHOULD BE CONSOLIDATED AND CONSISTENT WITH INTENT TO AVOID MULTIPLE SMALL STEPS BETWEEN FENCING PANELS

TYPICAL 1.8m BOUNDARY COLORBOND FENCING ON BRICK RETAINING

SCALE: 1:20

OVERFLOW
(TO SUPPLIER'S SPECIFICATION)

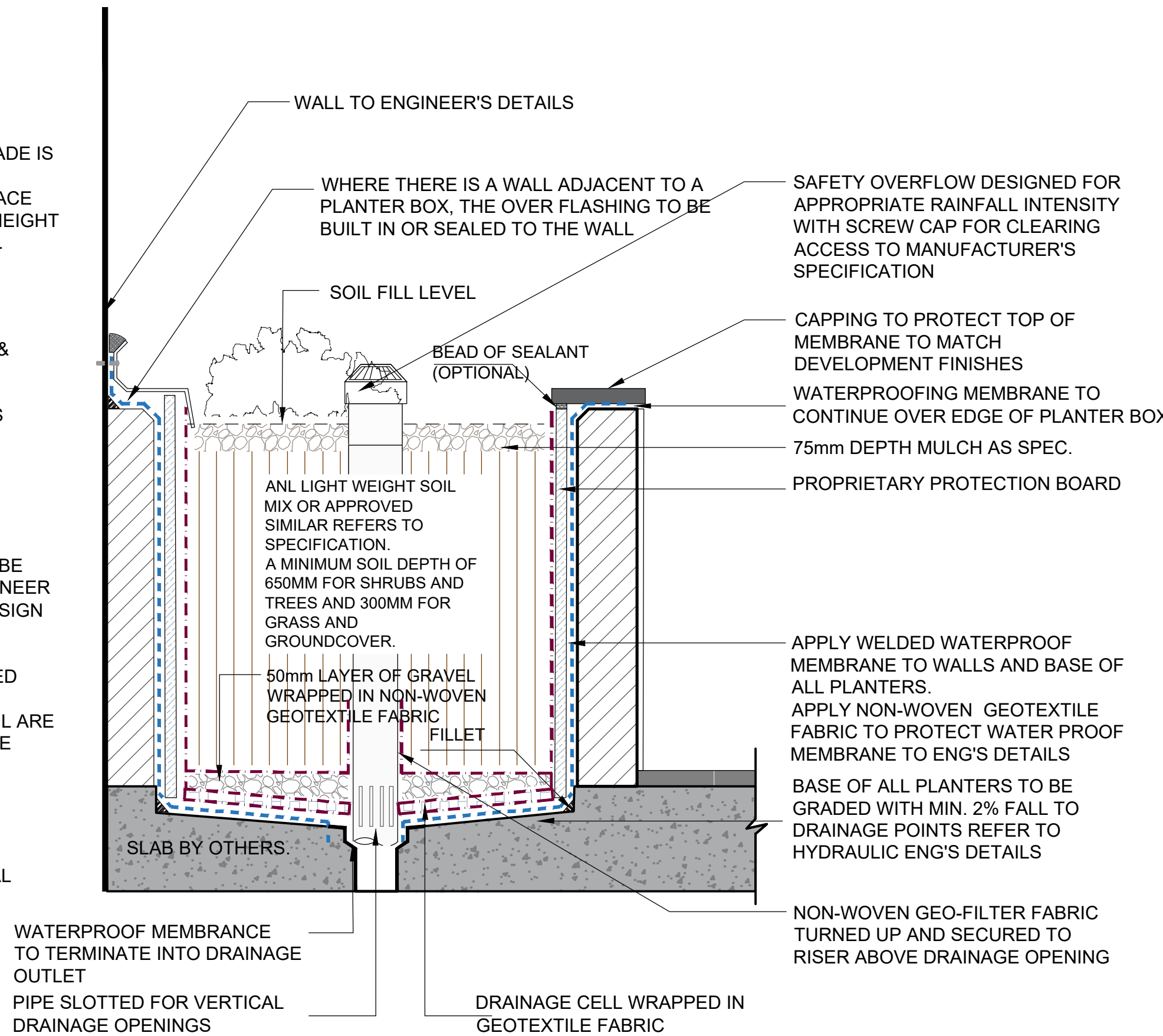
NOTE (BCA COMPLIANCE).
WHERE NO EXTERNAL BALUSTRADE IS PROPOSED,
THE INTERNAL PLANTER WALL FACE
MUST BE NON-CLIMBABLE TO A HEIGHT
TO MEET AS & BCA COMPLIANCE.

NOMINATED SURFACE FINISHES &
WATER PROOFING
(REFER TO SEPARATE DETAILS).
FINISHED LEVEL TO ARCHITECT'S
DETAILS

NOTE.(DRAINAGE & WATER PROOFING).
DRAINAGE PITS AND LAYOUT TO BE
NOMINATED BY HYDRAULIC ENGINEER
TO WORK WITH STRUCTURAL DESIGN
AND LANDSCAPE.

THE WATERPROOFING, APPROVED
DRAINAGE CELL AND SPECIFIED
GEOFABRIC LAYER IN THIS DETAIL ARE
INDICATIVE ONLY AND SHOULD BE
DETAILED BY THE RELEVANT
PROFESSIONAL ENGINEER FOR
CONSTRUCTION.

UNDER THE CONSTRUCTION
PRACTITIONER BILL, STRUCTURAL
WATER-PROOFING SHALL BE
DOCUMENTED BY A HYDRAULIC
ENGINEER



TYPICAL PLANTER WALL ON SLAB DETAIL

SCALE: NTS
PLANTER DETAIL TO CONFORM AS 4654.2-2012

PLANTING MIX 1:
Doodia aspera
Philodendron 'Little Phil'
Viola hederacea

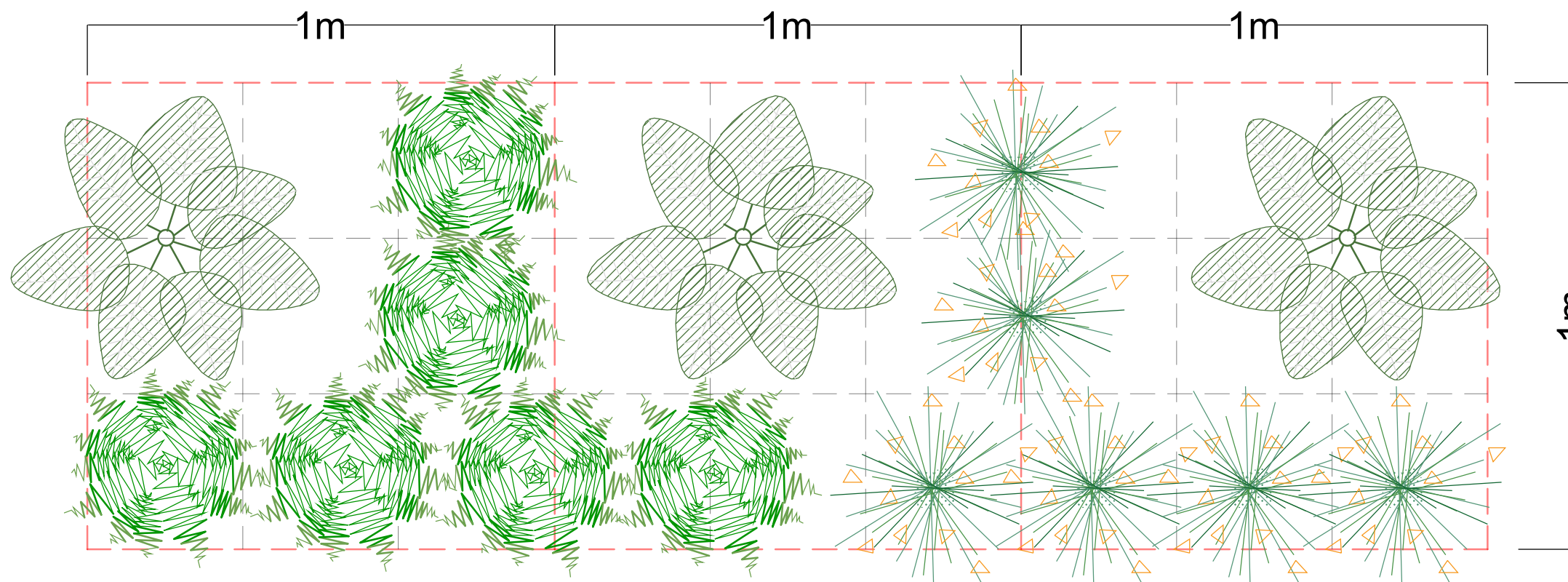
MIX 1

Pot size: Tube stock
Mature H x S: < .5m
Qty Required: Refer to matrix(**196.5m2** total)

PLANTING MIX 1

Note: ALL SPECIES IN TUBE STOCK SIZE

KEY	Botanical Name	Qty
	<i>Doodia aspera</i>	3/3m2
	<i>Philodendron 'Little Phil'</i>	6/3m2
	<i>Viola hederacea</i>	6/3m2



PLANTING MIX 1 MATRIX

SCALE NTS

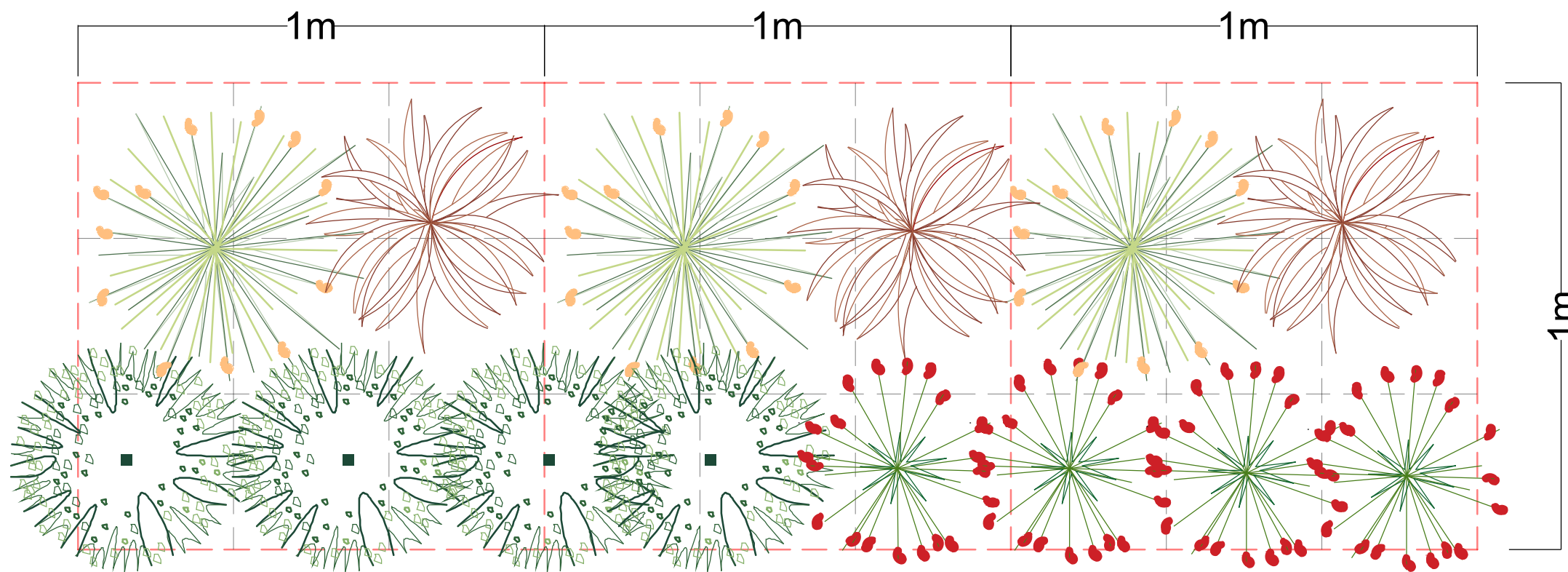
Planting Mix 3:
Viola hederacea
Dianella tasmanica 'Blaze'
Lomandra fluviatilis 'Shara'
Brachyscome iberidifolia

Pot size: Tube stock
Mature H x S: < .5m
Qty Required: Refer to matrix(**190m2** total)

PLANTING MIX 3

Note: ALL SPECIES IN TUBE STOCK SIZE

KEY	Botanical Name	Qty
	<i>Viola hederacea</i>	4/3m2
	<i>Dianella tasmanica 'Blaze'</i>	2/3m2
	<i>Lomandra longifolia 'Tanika'</i>	2/3m2
	<i>Brachyscome iberidifolia</i>	4/3m2



PLANTING MIX 3 MATRIX

SCALE NTS

Planting Mix 2:
Dichondra repens
Dianella 'Emerald Arch'
Viola hederacea

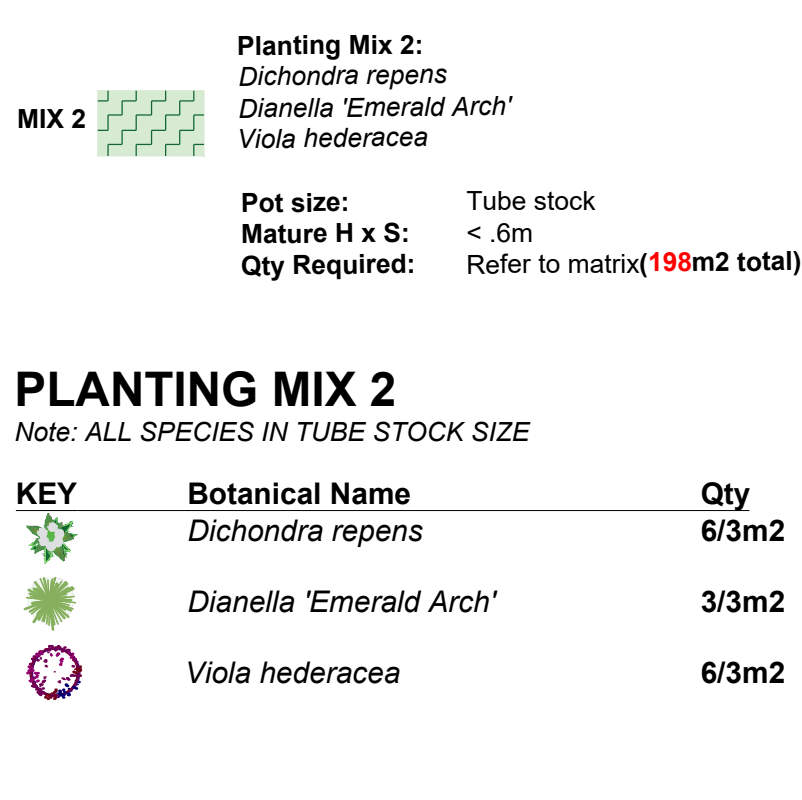
MIX 2

Pot size: Tube stock
Mature H x S: < .6m
Qty Required: Refer to matrix(**198m2** total)

PLANTING MIX 2

Note: ALL SPECIES IN TUBE STOCK SIZE

KEY	Botanical Name	Qty
	<i>Dichondra repens</i>	6/3m2
	<i>Dianella 'Emerald Arch'</i>	3/3m2
	<i>Viola hederacea</i>	6/3m2



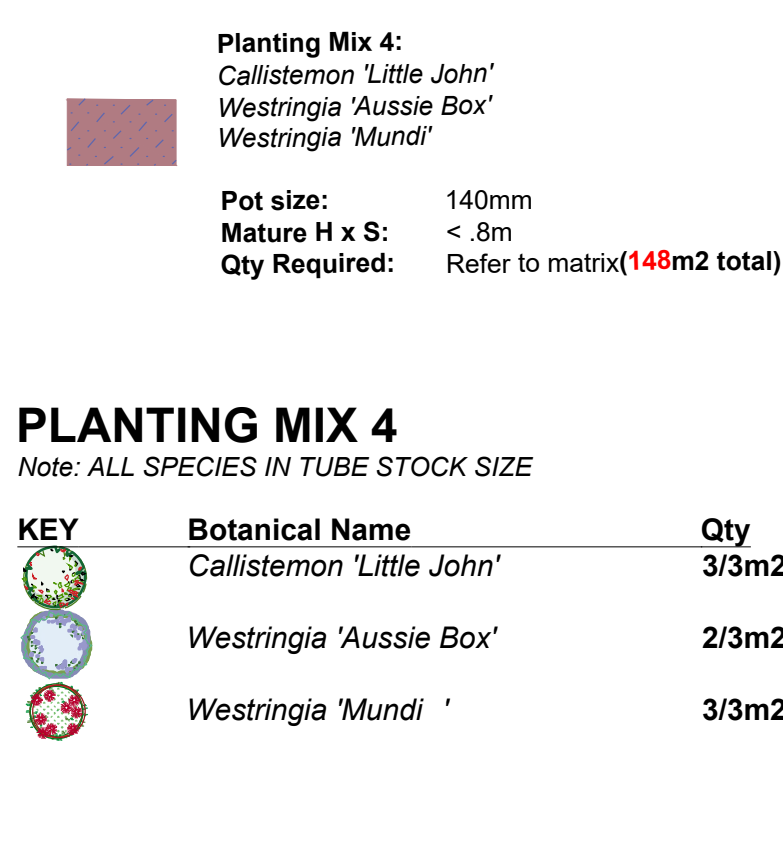
Planting Mix 4:
Callistemon 'Little John'
Westringia 'Aussie Box'
Westringia 'Mundi'

Pot size: 140mm
Mature H x S: < .8m
Qty Required: Refer to matrix(**148m2** total)

PLANTING MIX 4

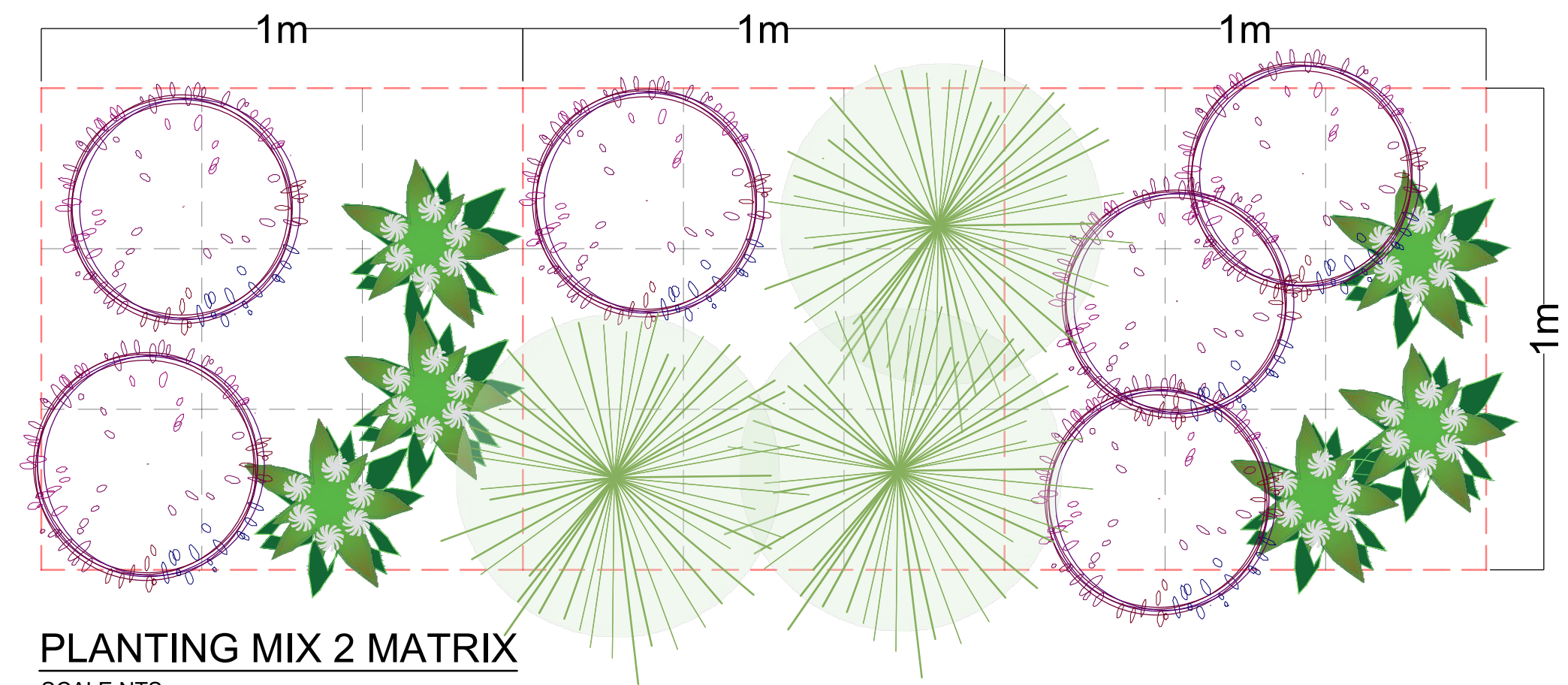
Note: ALL SPECIES IN TUBE STOCK SIZE

KEY	Botanical Name	Qty
	<i>Callistemon 'Little John'</i>	3/3m2
	<i>Westringia 'Aussie Box'</i>	2/3m2
	<i>Westringia 'Mundi'</i>	3/3m2



PLANTING MIX 2 MATRIX

SCALE NTS



PLANTING MIX 4 MATRIX

SCALE NTS