



Steel garden edging- refer to typical detail



1.2m Pool Gate and fence to comply with BCA & AS1926.1- to be nom. by client



Ornamental gravels path for maintenance with steel edging

- refer to typical detail



Existing trees proposed to be retained and protected

Existing trees proposed to be removed

DRAWING A1401

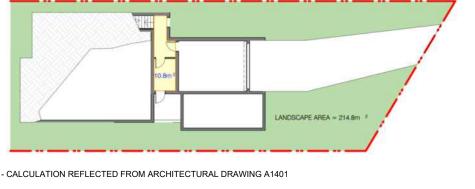
SITE AREA:

462.6m²

REQUIRED LANDSCAPE AREA: **TOTAL OPEN SPACE AREA 281.4m2)** 116m² (40% OF

PROPOSED LANDSCAPE AREA:

214.8m² (76%)



General Notes:

© Copyright Sulphurcrest Enterprises Pty Ltd Trading as CONZEPT (ABN: 75 623 405 630)



LE:						REV	DATE	NOTATION/AMENDMENT	COUNCIL
						Α	06.12.2024	Issued for DA	NORTHERN BEACHES
				(}	١)				CLIENT
									KATERINA AND EMANUEL POULOS
				1:100 (ന ∆ദ			-	ARCHITECT
Bar Scale				1.100 (<i>w</i> 710				BJB ARCHITECTS
	1	2	3	4	5m				STATUS / ISSUE
	•	-		•					DA- ISSUE A

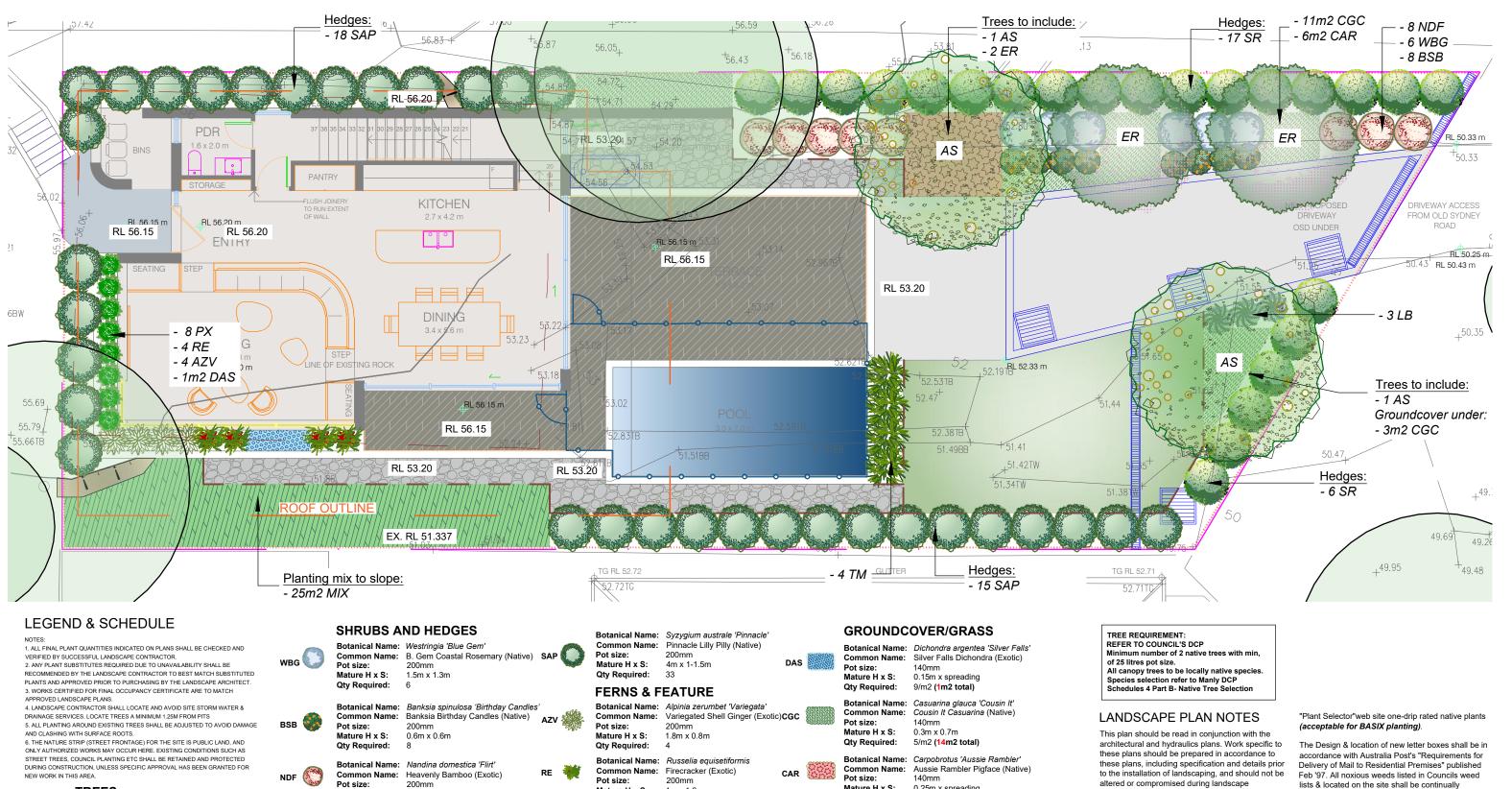


Landscape Architects

HARDSCAPE PLAN

PROPOSED RESIDENTIAL DEVELOPMENT 2A EDGECLIFFE ESPLANADE **SEAFORTH**

LPDA 25 -110 / 1 DEC 2024 R.F L.Z



TREES

Species selected from Manly DCP Schedules 4 Part B- Native Tree Selection *



Botanical Name: Acmena smithii * Common Name: Lilly Pilly (Native) Pot size: 75Lt Mature H x S: 12m x 4-5m



Mature H x S: Qty Required:

75Lt

Botanical Name: Elaeocarpus reticulatus Common Name: Blueberry Ash (Native) 8-10m x 6-7m

2

Qty Required:

Mature H x S:

Mature H x S:

Qty Required:

Mature H x S:

Botanical Name: Syzygium 'Resilience'
Common Name: Resilience Lilly Pilly (Native) 200mm 3m x 2m

1.2m x 1.2m

0.3-0.6m x 0.5m

23 Qty Required:

Botanical Name: Leucophyta brownii

Common Name: Cushion Bush (Native)

Botanical Name: Philodendron 'Xanadu' Common Name: Xanadu Plant (Exotic) Mature H x S: 0.7m x 0.7m **Qty Required:**

Botanical Name: Tthysanolaena maxima

200mm

Common Name: Tiger Grass (Exotic)

Qty Required:

Qty Required:

Pot size:

Mature H x S: 2m x 2m

Pot size: 140mm

Mature H x S: 0.25m x spreading Qty Required: Planting Mix:

Calathea zebrina Monstera deliciosa Alpinia zerumbet 'Variegata Philodendron 'Little Phil' Grevillea 'Royal Mantle' Aspidistra elatior Dianella 'Emerald Arch Carpobrotus 'Aussie Ramblei Senecio serpens Pot size:

Mature H x S: < .8m Qty Required: Refer to matrix (25m2 total)

altered or compromised during landscape construction. 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 DA approval only, not for construction.

This plan has been prepared with reference to Northern Beaches Council's Landscaping Guidelines & requirements. Planting proposed using mainly indigenous, commercially available plant species selected from local planting lists and the BASIX local plant list and from Sydney Waters

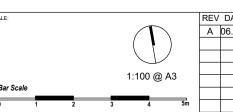
lists & located on the site shall be continually removed & suppressed. Reinstate all boundary fencing in poor condition with Council approved 1.8m fencing to rear of building line, rake to 1m forward of BL. Pollution, sediment & erosion control devices as specified shall be in place, and maintained for the duration of the construction period. Proposed excavation near existing established trees to be supervised by arborist

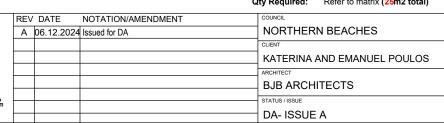
DA approved landscape plan's are required to be constructed as approved to obtain occupancy certificate. Permeable areas may be indicated to achieve site coverage restrictions & should be constructed as drawn on this plan.

General Notes: o scale readings. Verify all dimensions on site. PDF'd plans may vary slightly i Figured dimensions take preference to scale readings, Verify all dimensions on site. PDFd plans in Scale for that indicated on plans. Report any disrepancies to the Landscape Architect before proc
© Copyright Sulphurcr











Suit 101, 506 Miller Street, CAMMERAY NSW 2062 Phone: 9922 5312

DEVELOPMENT

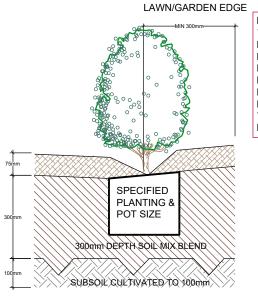
LANDSCAPE PLAN LPDA 25 -110 / 2 PROPOSED RESIDENTIAL DEC 2024 CHECKED: 2A EDGECLIFFE ESPLANADE **SEAFORTH** R.F



- 1. CHAIN WIRE MESH PANELS WITH SHADE CLOTH (IF REQUIRED) ATTACHED, HELD IN PLACE WITH CONCRETE FEET
- 2. ALTERNATIVE PLYWOOD OR WOODEN PALING FENCE PANELS. THE FENCING MATERIAL ALSO PREVENTS BUILDING MATERIALS OR SOIL ENTERING THE TPZ
- 3. MULCH INSTALLATION ACROSS SURFACE OF TPZ (AT THE DISCRETION OF THE PROJECT ARBORIST). NO EXCAVATION CONSTRUCTION ACTIVITY, GRADE CHANGES, SURFACE TREATMENT OR STORAGE OF MATERIALS OF ANY KIND IS PERMITTED WITHIN THE TPZ
- 4. BRACING IS PERMISSIBLE WITHIN THE TPZ. INSTALLATION OF SUPPORTS TO AVOID DAMAGING ROOTS

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 STOCKPILING WITHIN FENCE PERIMETERS.

TREE PROTECTION ZONE



TYPICAL SETBACK FROM

THIS DETAIL IS 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

75mm DEPTH "EUCY" MULCH OR **EQUIVALENT**

SOIL MIX:

50% OF STOCKPILED SITE TOPSOIL FREE FROM ALL BUILDER'S RUBBISH AND DELETERIOUS MATERIALS. TOPSOIL TO BE MIXED WITH MINIMUM 50% IMPORTED GARDEN MIX OR SOIL CONDITIONER/ COMPOSTED ORGANIC MATTER - SEE SPEC. USE 100% IMPORTED SOIL MIX WHEN SITE TOPSOIL RUNS OUT.

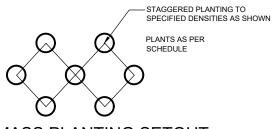
AT JUNCTIONS FIX 150 LENGTH PLATE ACROSS JOIN, FIX WITH BOLTS PLAN SCALE: 1:10 100 X 5 MM PLATE

NOTE: TURF AREAS TO FINISH FLUSH (EXCEPT GARDEN BEDS) ROLL AND

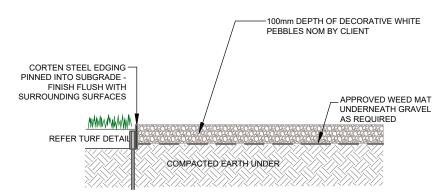
SECTION

STEEL EDGE & TURF DETAIL

REFER GARDEN PREP DETAIL

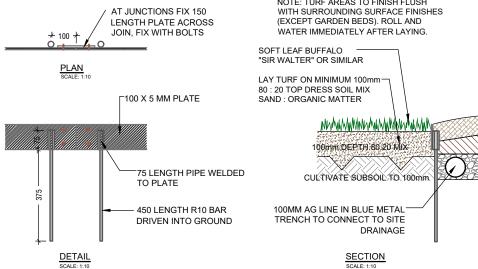


MASS PLANTING SETOUT



GRAVEL PATH & CORTEN EDGE

SCALE 1:10



TYPICAL GARDEN PREPARATION DETAIL

SCALE 1:10

506 Miller Street, CAMMERAY NSW 2062 conzept www.conzept.net.au enquiries@conzept.net.au Landscape Architects

DETAILS 1

PROPOSED RESIDENTIAL DEVELOPMENT 2A EDGECLIFFE ESPLANADE **SEAFORTH**

LPDA 25 -110 / 3 DEC 2024 L.Z RF

NOTE: DRIP IRRIGATION MAY BE REQUIRED AS NOMINATED BY CLIENT

PLANT STOCK SHALL BE SOURCED

FROM GROWERS CONFORMING TO

THOROUGHLY WATER IN ALL NEWLY

APPROVED BY PROJECT MANAGER

TREES. USE 50mm HESSIAN TIES TO

SECURE LOWER TRUNK TO STAKES

PROVIDE SLIGHT DEPRESSION TO

ALLOW FOR EFFECTIVE WATERING

75mm 'EUCY' MULCH OR EQUAL

BACKFILL HOLE WITH CLEAN,

LANDSCAPE ARCHITECT

- CULTIVATE/ RIP SUBGRADE

TESTED SITE TOP-SOIL BLEND OR

IMPORTED SOIL MIX APPROVED BY

AS2303:2019. 'TREE STOCK FOR

PLANTED STOCK IMMEDIATELY

QUALITY OF PLANT TO BE

OR LANDSCAPE ARCHITECT

PROVIDE 3 HARDWOOD STAKES 1 8m X 50mm X 50mm FOR ALL

& DESIGNED BY LICENCED

CONTRACTOR.

LANDSCAPE USE'.

AFTER PLANTING.

General Notes:

Copyright Sulphurcrest Enterprises Pty Ltd Trading as CONZEPT (ABN: 75 623 405 630)



www.dialbeforeyoudig.com.au

REV DATE NOTATION/AMENDMENT NORTHERN BEACHES A 06.12.2024 Issued for DA KATERINA AND EMANUEL POULOS **BJB ARCHITECTS** DA- ISSUE A

(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)

TREE PLANTING DETAIL

SAMPLE IMAGES

















Acmena smithii

Elaeocarpus reticulatus

Syzygium 'Resilience

Syzygium australe 'Pinnacle'

Banksia 'Birthday Candles'

Leucophyta brownii

Westringia 'Blue Gem'

Nandina domestica 'Flirt'















Alpinia zerumbet 'Variegata'

Tthysanolaena maxima

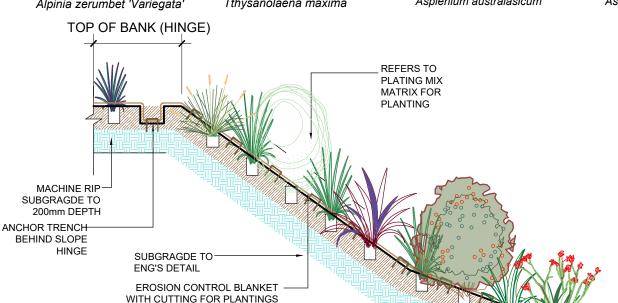
Asplenium australasicum

Aspidistra elatior

Carpobrotus 'Aussie Rambler'

Dichondra argentea 'Silver Falls'

Grevillea 'Royal Mantle'



WITH CUTTING FOR PLANTINGS (WEAVE JUTE MATTING,etc) PLACED OVER 50mm DEPTH SUGAR CANE MULCH. JUTE MATTING TO BE PINNED DOWN WITH ANCHORS @500mm CENTRES WITH MINIMUM 100mm OVERLAP TO ADJACENT SHEET. AMEND TO SUIT PRODUCT INSTALLATION AND SLOPE REQUIREMENT TO MANUFACTURER'S SPECIFICATION.

AZV Alpinia zerumbet 'Variegata 2/6m2 Philodendron 'Little Phil 3/6m2 Grevillea 'Roval Mantle 2/6m2 Aspidistra elatior 3/6m2 Dianella 'Emerald Arch' 3/6m2 CAR Carpobrotus 'Aussie Rambler SS Senecio serpens

EMBANKMENT PLANTING

1.STRIP MANAGEABLE AREA (APPROX. 20M2) OF

- 2. CULTIVATE EXISTING SOIL TO MIN. 150MM DEPTH. 3. MODIFY SOIL TO SUIT PH TESTING & FERTILIZING,
- COURSE JUTE MATTING.
- SELECTIVELY CUT HOLES IN JUTE MATTING (MINIMISING COMPROMISING MATT INTEGRITY) FOLLOWING THE APPROVED PLANT MIX MATRIX.
- DEPTH, WATERING THOROUGHLY. 7. BEGIN REQUIRED LANDSCAPE MAINTENANCE &

METHODOLOGY

WEEDS, GRASS & VEGETATION.

- ADD SOIL CONDITIONER IF NEEDED. 4. PEG SURFACE SECURELY WITH AN APPROVED
- 5. POCKET PLANT VIVO CELL & TUBE STOCK THROUGH
- 6. WHEN TOTAL REQUIRED AREA IS PLANTING, MULCH WITH APPROVED ORGANIC MULCH TO REQUIRED
- WATERING STRATEGY.

1m	1m	1m
CAR	GRM PH	
AA	AZV SS	MD F
DE	PH	CAR
DE	CAR	AE AE
GRM	MD	AZV
PLANTING MIX MA	ATRIX	

TYPICAL LANDSCAPED BATTER TREATMENT

(<= 1H:3v)SCALE: NTS

General Notes:

© Copyright Sulphurcrest Enterprises Pty Ltd Trading as CONZEPT (ABN: 75 623 405 630)



SCALE:	REV	DATE	NOTATION/AMENDMENT	COUNCIL
	Α	06.12.2024	Issued for DA	NORTHERN BEACHES
				CLIENT
				KATERINA AND EMANUEL POULOS
				ARCHITECT
				BJB ARCHITECTS
				STATUS / ISSUE
				DA- ISSUE A
				DA- 1000L A



SCALE NTS

DETAILS 2 DEVELOPMENT

LPDA 25 -110 / 4 PROPOSED RESIDENTIAL DEC 2024 2A EDGECLIFFE ESPLANADE **SEAFORTH** L.Z R.F

PRELIMINARIES

1.01 GENERAL

The following general conditions should be considered prior to the commencement of landscape works:

- scape plans should be read in conjunction with the architectural plans, 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 hardscape
- 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 so in accordance with AS 4970-2009 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

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 diamete 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
- Farth banks to prevent scour of stockpiles
- Sandbag kerb sediment traps
 Straw bale & geotextile sediment filter.
- Exposed banks shall be pegged with an approved Jute matting in preparation for mass planting

Refer to 'Guidelines for Erosion and Sediment Control on Building Sites' by DLWC (2000) 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 complies with AS 4454-2012 Composts, soil conditioners and mulches. 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 soil. All mixes are to comply with AS4419-2003 Soils for Landscaping and garden use, & AS 4454 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 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

2.02 INSTALLATION

site when site topsoil runs out.

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 AS4419-2003 Soils for Landscaping and garden use 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 Environmental & Soil Laboratory 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.

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.

Establishing Subgrade Levels

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.

Note that all subgrades shall consist of a relatively free draining natural material, consisting of site topsoil placed previously by the Civil

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

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.

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 equa
- Mass Planting Beds Install specified soil conditioner to a compacted depth of 100mm

Turf Areas - Install specified soil mix to a minimum compacted depth of 75mm

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.

Place the specified soil mix to the required compacted depth and grade to required finished soil levels, in preparation for planting and turfing.

PI ANTING

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 2303:2019

Tree stock for landscape use. Certification that trees have been grown to AS2303:2018 guidelines is to be provided upon request of Council's Tree Management

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

Good root division & direction, rootball occupancy, rootball depth, height of crown, non-suckering For further explanation and description of these assessment criteria, refer to AS2303:2019.

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.

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 2200mm x 50mm x 50mm Hardwood, or approved alternative. Ties shall be 50mm wide hessian webbing material.

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.

Mulch shall be an approved equal to "EUCY" as supplied by ANL. Mulch shall be completely free from any soil, weeds, rubbish or other debris.

e) Turf
Turf shall be soft leaf Buffalo or equivalent (unless stated otherwise), free from any weeds and other grasses, and be in a healthy growing

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.

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.

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.

Mulch for general planter bed shall be an approved equal to "EUCY" as supplied by ANL. 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.

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.

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.

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. Where council policy specifies a particular unit paver, material finish, pattern or treatment, it shall be the contractors responsibility to check and verify that this material & treatment is correct and current prior to undertaking construction works'

Drainage pits and drainage lines should be located within garden areas to allow for site drainage while minimising impact on the proposed planting scheme. where possible, pits and linework should be located at the edge of landscape strips to avoid precluding planting centrally in garden areas, where pits and linework occur within garden beds, the landscape contractor shall take all precautions to avoid damaging storm ater when planting shrubs and trees, landscape contractors shall not alter the form of swales designed to direct overland flow

HARDSCAPE WORKS

4.01 GENERAL

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

- 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 hardscape works shall be setout 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 hardscape variations should be bought to the attention of

Your attention is directed to any obligations or responsibilities under the Dividing Fences Act, 1991 in respect of adjoining property owner/s which may arise from this application. Any enquiries in this regard may be made to the Crown Lands on 1300 886 235.

IRRIGATION WORKS

5.01 GENERAL (PERFORMANCE SPECIFICATION)

This is a general Irrigation Performance Specification only, as a guide for projects requiring irrigation systems as part of consent requirements or building contractual arrangements.

An automated irrigation system is recommended for the effective establishment of new gardens, and to assist with the success of planting areas n terraces, over slabs and in Communal Open Spaces

The inclusion of this general specification is no guarantee that an irrigation system forms part of the landscape scope of works, which will be

New irrigation systems to planting areas shall be a Commercial Grade Irrigation System conforming to all relevant Australian standards, including AS 3500 & the Gas and Electricity (Consumer Safety) Act 2017, 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 the highest industry standards and to maxim

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

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

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

The Landscape Contractor shall be engaged with the Irrigation Specialist to co-ordinate with the Project Manager to identify the preferred

Project Manager and Landscape Contractor to establish area suitable for irrigation control system with required area, power provision and

Testing & Defects:

pletion 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

Dripper Pressure Test: Measurement at flushing valves are taken and the pressure gauged to make sure it conforms to the manufacturer mendations. The inlet pressure is then tested under the same conditions to check it does not exceed 300Kpa.

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.

6.01 GENERAL

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.

CONSOLIDATION AND MAINTENANCE

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, stolen or unhealthy plants.
- Make good areas of soil subsidence or ero 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

General Notes:

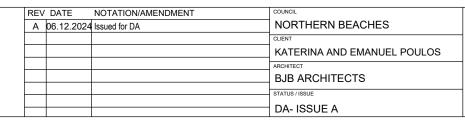
Copyright Sulphurcrest Enterprises Pty Ltd Trading as CONZEPT (ABN: 75 623 405 630)

made in full. We retain the right to withdraw this information from the assessment process if such payments are not made following th





SCALE:





SPECIFICATION

PROPOSED RESIDENTIAL DEVELOPMENT **2A EDGECLIFFE ESPLANADE SEAFORTH**

LPDA 25 -110 / 5 **DEC 2024** L.Z RF