

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 forward of BL. Pollution, sediment & erosion control

certificate. Permeable areas may be indicated to achieve site coverage restrictions & should be

TITLE:		DWG.No:			
LAN	DSCAPE PLAN/L1	LPDA 23	- 138/1		
PROPO)SED MIXED USE	DATE: DEC	DATE: DEC 2022		
17-19 6 Miller St NSW 2062	SYDNEY ROAD, NLY	DRAWN: C.D	CHECKED: R.F		



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.

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



INSITU CONCRETE PLANTER ON SLAB DETAIL



REV DATE NOTATION/AMENDMENT A 29.11.2022 Preliminary plan prepared for review B 01.12.2022 Final Issue for DA submission Image: Comparison of the submission of the	COUNCIL ONORTHERN BEACHES CLIENT CLIE	Contractor ILaundiscappe Artelhi www.conzept.net.au enquires@conzept.net.au cAMMERAY
	REV DATE NOTATION/AMENDMENT A 29.11.2022 Preliminary plan prepared for review B 01.12.2022 Final Issue for DA submission	REV DATE NOTATION/AMENDMENT COUNCIL A 29.11.2022 Preliminary plan prepared for review NORTHERN BEACHES B 01.12.2022 Final Issue for DA submission CLENT CIE



SCALE: 1:15



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6 Miller St	ΜΔΝΙΥ	C.D	R.F
NSW 2062			

LANDSCAPE WORK SPECIFICATION

PREI IMINARIES

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, hydraulic plans, service plans and survey prepared for the proposed development. ices including existing drainage should be accurately located prior to the commencement of landscape installation. Any prop
- 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 works and hardstand pours.
- All outdoor lighting specified by architect or client to be installed by gualified electrician
- An obtaile that occur in these planes 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 gualified 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 gualified arborist. Roots smaller than 50mm diameter

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. Farth banks to prevent scour of stockniles
- 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 means and planting New garden and planting of the state of

Site Topsoi

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 wher site when site topsoil runs out.

2.02 INSTALLATION

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

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 recomme ndations 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

bubgrade 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 tith. Grade subgrades to provide that is to surface and subsurface driving, but or the placement of the final specified so

Drainage Works

mix.

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 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.

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

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 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 liste

Fertilisers

Fortilisers 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 "FOREST FINE" as supplied by ANI. Mulch shall be completely free from any soil, weeds, rubbish or other

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) Mulching

Mulch for general planter bed shall be an approved equal to "FOREST FINE" 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.

Nature Strip and public domain works

The nature strip (street frontage) for the site is public land, and only authorized works may occur here.

Existing Conditions such as street rese, 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 pit

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 water 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 the Landscape Architect.

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 on 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 determined by the building contract

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ured dimensions take preference to scale readings. Verify all dimensions on site. PDF'd plans may vary slightly in	l		A 29	11 2022 6	Preliminary plan prepared for review	NORTHERN BEACHES	
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efficient usage of water of NSW. Northern Beaches Council By-Laws and Ordinances

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

from local hose cock where available

Services Co-ordination:

service and conduit locations

Testing & Defects:

Further Documentation:

6.01 GENERAL

CONSOLIDATION AND MAINTENANCE

Topping up of mulched areas.

length of time

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 maximise the

The Installer is required to obtain all approvals necessary for the completion of works in accordance with the Laws of Australia, Laws of the State

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

The landscape contractor shall check the existing pressure available from the ring mains and size irrigation piping to suit. Supply shall be

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%.

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

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

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

Dripper Pressure Test: Measurement at flushing valves are taken and the pressure gauged to make sure it conforms to the manufacturer recommendations. 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.

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

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, stolen or unhealthy plants.

Make good areas of soil subsidence or erosion Spray / treatment for Insect and disease control. Fertilizing with approved fertilizers at correct rates.

Sourcing with approved retuilizers 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.



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