

# LOCATION PLAN Scale: NTS







# HARDSCAPE ITEMS

Steel garden edging - refer detail

Turf area - refer detail

Garden bed - refer landscape design plan

Exposed aggregared path with steel edging-refer typical detail & sample

Paved path to central water feature area-style & colour to be nom. by client

Mulch under existing tree

Gravel path against building as maintenance purpose

Concrete plinth mounted seat -refer detail

1.8m boundary fence - colour and style to be nom. by client

0.9m ht White picket front fence - refer Water feature to future detail

Existing trees proposed to be retained and protected

Trees proposed to be removed and replaced with new landscaping

Proposed new tree in turf area with mulch under

# DRAWING SCHEDULE

SHEET#	DRAWING TITLE	REV.
/1	HARDSCAPE PLAN	F
/2	LANDSCAPE PLAN 1	F
/3	LANDSCAPE PLAN 2	F
/4	DESIGN INTENT IMAGES	F

Figured dimensions take preference to scale readings. Verify all dimensions on site. PDFd plans may vary slightly in Scale for that indicated on plans. Report any discrepancies to the Landscape Architect before proceeding with the work.

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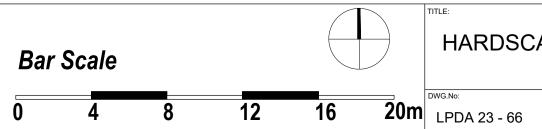




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COUNCIL	REV	DATE	NOTATION/AMENDMENT
MID WESTERN REGIONAL COUNCIL	Α	05.09.22	Preliminary DA prepared for review
	В	27.09.22	Co-ordinated with client's comments
	С	30.09.22	Co-ordinated with client's comments
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PROPOSED LANDSCAPE DESIGN DEVELOPMENT 70 COURT STREET MUDGEE



TITLE:				
HARDSCAPE PLAN				
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/5

	DEVELOPMENT APPLICATION				
	SCALE:	DATE:			
	1:200 @ A1	NOV 2022			
ISSUE:	DRAWN:	CHECKED:			
F	K.Z	R.F			

DETAIL + SPECIFICATION F

# **LEGEND & SCHEDULE**

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

# **TREES**



LANDSCAPE USE

Botanical Name: Pyrus calleryana 'Capital' Common Name: Ornamental Pear (Exotic) Pot size: **Mature H x S:** 11-12m x 1-3m

Qty Required:

Pot size:

**Botanical Name:** Lagerstroemia indica Common Name: Crepe myrtle (Exotic) Qty Required:

Mature H x S: 8m x 5m

SHRUBS AND HEDGES **Botanical Name:** Buxus sempervirens Common Name: English Box (Exotic)

Pot size: **Mature H x S:** 0.8m x 0.8m Qty Required: 154

Botanical Name: Lavandula stoechas 'AvonView' Common Name: Italian Lavender (Exotic) Pot size: **Mature H x S:** 1m x 0.8m Qty Required: 40

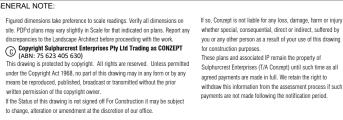
Botanical Name: Viburnum odoratissimum 'Emerald

**GROUNDCOVER/GRASS** 

HARDSCAPE ITEMS





















AND THE PROPERTY OF THE PROPER



Existing Building

Existing tree proposed to

be retained with mulch

Planting to the front of

- 10 V. odoratissimum

Proposed feature tree to

existing building to

- 38m2 L. 'Tanika'

lawn to include:

- 1 L. indica

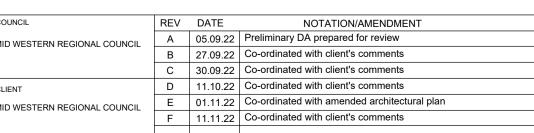
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Planting to entrance garden bed to include:

- 15 V. odoratissimum - 40m2 L. 'Tanika'

- 1 L. indica

Existing Building



existing building to

- 25 V. odoratissimum

PROPOSED LANDSCAPE **DESIGN DEVELOPMENT** 70 COURT STREET MUDGEE

Proposed feature tree to

lawn to include:

- 1 L. indica

**COUNTRY UNIVERSITIES CENTRE** 



- Planting to central garden area to

- 4 P.'Capital'

include:
- 110 B. sempervirens

- 44 B. sempervirens - 40 L. 'AvonView' - 10m2 L. 'Tanika'

REFER LANDSCAPE PLAN 2

typical detail

and protected

Planting to front

- 2 P.'Capital'

by client

Existing tree proposed to be removed

boundary to include:

- 30 V. odoratissimum

Concrete plinth mounted seat

Paved path-Style & colour to be nom.

Water feature or feature tree

Exposed aggregated pathway-refer

0.9m ht white picket front fence-refer

Existing trees proposed to be retained

# LANDSCAPE PLAN NOTES

RECORDS, FOR FUTURE MAINTENANCE.

PLANTING SCHEME.

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

DRAINAGE PITS AND DRAINAGE LINES SHOULD BE LOCATED WITHIN GARDEN AREAS TO ALLOW FOR SITE DRAINAGE WHILE MINIMISING IMPACT ON THE PROPOSED

WHERE POSSIBLE, PITS AND LINEWORK SHOULD BE LOCATED AT THE EDGE OF

LANDSCAPE STRIPS TO AVOID PRECLUDING PLANTING CENTRALLY IN GARDEN

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.

AREAS. WHERE PITS AND LINEWORK OCCUR WITHIN GARDEN BEDS, THE

AN AUTOMATED COMMERCIAL GRADE IRRIGATION SYSTEM SHALL BE

THE SYSTEM SHALL BE DESIGNED AND INSTALLED IN LINE WITH THE

BUILT' PLAN OF THE SYSTEM TO THE SUPERINTENDENT FOR STRATA

PROFESSIONALLY INSTALLED TO ALL GARDEN AREAS, INCLUDING RAISED PLANTERS, UPPER FLOOR PLANTERS AND GARDENS IN NATURAL GROUND.

IRRIGATION PERFORMANCE SPECIFICATION, BY A LICENCED CONTRACTOR

OR LANDSCAPER. THE LICENCED CONTRACTOR SHALL PREPARE AN 'AS

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 *Mid Western Regional Council* 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

**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.

#### **Common Name:** Viburnum Emerald Lustre (Exotic) Pot size: 200mm Mature H x S: 3m x 2m Qty Required: 80

200mm

### Botanical Name: Lomandra longifollia 'Tanika' **Common Name:** Dwarf Mat Rush (Native) 200mm Pot size:

# **Mature H x S:** 0.8m x 0.8m Qty Required: 88

— — Steel garden edging - refer detail Turf area - refer detail

Garden bed - refer landscape design plan

Exposed aggregared path with steel

edging-refer typical detail & sample Paved path to central water feature area-style &

Mulch under existing tree Concrete plinth mounted seat

colour to be nom. by client

1.8m boundary fence - colour and styleto be nom. by client 0.9m ht White picket front fence - refer

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### **TREES**



Botanical Name: Pyrus calleryana 'Capital' Common Name: Ornamental Pear (Exotic) Pot size: 100Lt

**Mature H x S:** 11-12m x 1-3m Qty Required:

200mm

200mm

# SHRUBS AND HEDGES

**Botanical Name:** Buxus sempervirens

Common Name: English Box (Exotic) Pot size: **Mature H x S:** 0.8m x 0.8m Qty Required: 30

Botanical Name: Lavandula stoechas 'AvonView' Pot size:

Common Name: Italian Lavender (Exotic) 200mm **Mature H x S:** 1m x 0.8m Qty Required: 7

Botanical Name: Viburnum odoratissimum 'Emerald

Pot size:

**Common Name:** Viburnum Emerald Lustre (Exotic)

Mature H x S: 3m x 2m

Qty Required: 75

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discrepancies to the Landscape Architect before proceeding with the work.

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LANDSCAPE ARCHITECT

Fax: 8209 4982 Lamdscape Architects

Suit 101, 506 Miller Street, AMMERAY NSW 2062 www.conzept.net.au enquiries@conzept.net.au

sting Building

NOTATION/AMENDMENT A 05.09.22 Preliminary DA prepared for review MID WESTERN REGIONAL COUNCIL B 27.09.22 Co-ordinated with client's comments C 30.09.22 Co-ordinated with client's comments D 11.10.22 Co-ordinated with client's comments E 01.11.22 Co-ordinated with amended architectural plan MID WESTERN REGIONAL COUNCIL F 11.11.22 Co-ordinated with client's comments

Planting to existing

building to include:

- 20 V. odoratissimum

DAME LARES AMARA CARES AMARA SARES AMARA CARES A

MEALS

SOCIAL

KITCHEN

Planting along outdoor

TUTORIAL ROOM

area to include:

- 7 L. 'AvonView'

PROPOSED LANDSCAPE DESIGN DEVELOPMENT 70 COURT STREET MUDGEE

Bar Scale

Screen planting to

A CONTROL OF THE PROPERTY OF T

PROPOSED UNI BUILDING

Planting along building

to include:
- 20 B. sempervirens

**COUNTRY UNIVERSITIES CENTRE** 

northern boundary to

- 30 V. odoratissimum

TERMINAL ROOM

FOYER

BREAKOUT

Planting along building

to include:
- 10 B. sempervirens

BREAKOUT

BREAKOUT

DEVELOPMENT APPLICATION LANDSCAPE PLAN 2 1:100 @ A1 NOV 2022 CHECKED: **10m** LPDA 23 - 66 R.F

0.9m ht white picket

front fence-refer detail

maintenance purpose

- Planting to front boundary to include: - 5 P.'Capital'

REFER LANDSCAPE PLAN 1

- 25 V. odoratissimum

- Gravel path against building for

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Turf area - refer detail

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Gravel path against building as maintenance purpose

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GENERAL NOTE:

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Lagerstroemia indica









Lavandula stoechas 'AvonView'

Steel garden edging

Steel garden edging

Exposed aggregated path

Mulch under tree

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PROPOSED LANDSCAPE DESIGN DEVELOPMENT 70 COURT STREET MUDGEE

### 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 hardscape works and hardstand pours
- 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

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

1.02 PROTECTION OF ADJACENT FINISHES

Existing trees identified to be retained shall be done in accordance with (AS)4970-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

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 root zone of existing trees to be retained.

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

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 4454 Composts, Soil conditioners & mulches

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 site when site topsoil runs out 2.02 INSTALLATION (TO GARDEN OUTSIDE OF TREE PROTECTION ZONES OF TREES RECOMMENDED TO BY

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

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

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

# 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

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

# Provide min. 3 No. Stakes and ties to all plants identified as trees in the plant schedule. Stakes shall be sound, unpainted,

listed above.

per council specification where is available. Ties shall be 50mm wide hessian webbing material

straight hardwood, free of knots and pointed at one end. They shall be 1800mm x 50mm x 50mm Hardwood timber, or as

screenings or similar.

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 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

Turf for project site shall be soft leaf Buffalo or Zoysia 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

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

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 "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, 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 f) Steel garden edging

Where is required, the Contractor shall install Steel garden edging as detailed on the drawings, to all mass planting beds

adjacent surfaces. However, no edging shall be used within the Structural Root Zone (SRZ) of trees to be retained.

adjoining turf or gravel mulched areas, and where required. The resultant edge shall be true to line and flush with

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

4.01 GENERAL

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

Paying - refer to typical details provided, and applicable Australian Standards. Permeable paying 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

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

### Division on (02) 8836 5332. **IRRIGATION WORKS**

### 5.01 GENERAL (PERFORMANCE SPECIFICATION)

wall to suit site levels and to manufacture's 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

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 efficient usage of water. 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 of NSW, XXXXXX Council By-Laws and Ordinances.

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

# 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

- 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,

# 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 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.

# - 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.

# **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, stolen or unhealthy plants.

Make good areas of soil subsidence or erosion.

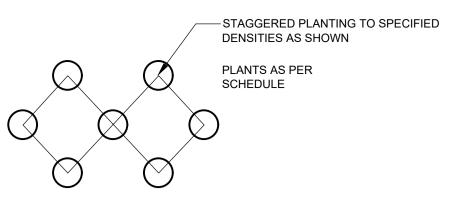
 Topping up of mulched areas. Spray / treatment for Insect and disease control

· Fertilizing with approved fertilizers at correct rates. Mowing lawns & trimming edges each 14 days in summer or 18 days in winter

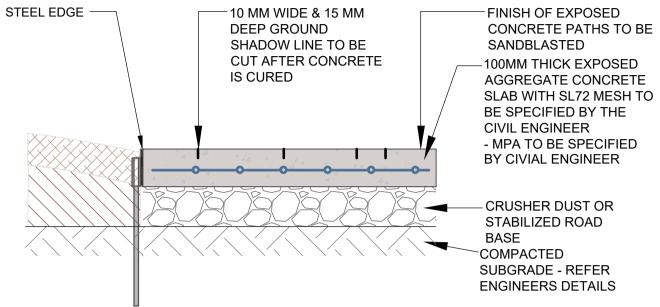
 Adjusting ties to Stakes Maintenance of all paving, retaining and hardscape elements.

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.

LANDSCAPE ARCHITEC



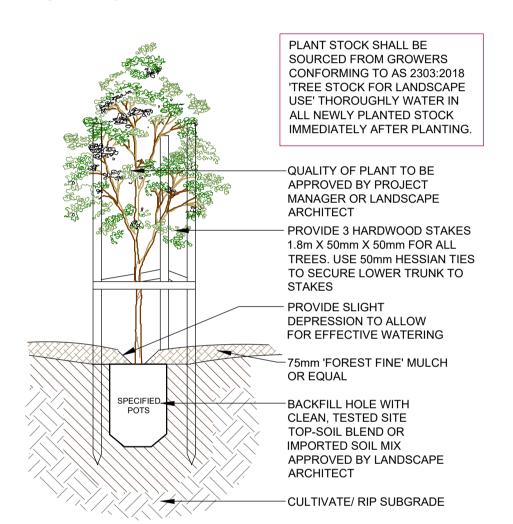
# MASS PLANTING SETOUT



# **EXPOSED AGGREGATE CONCRETE**

**SCALE 1:10** 

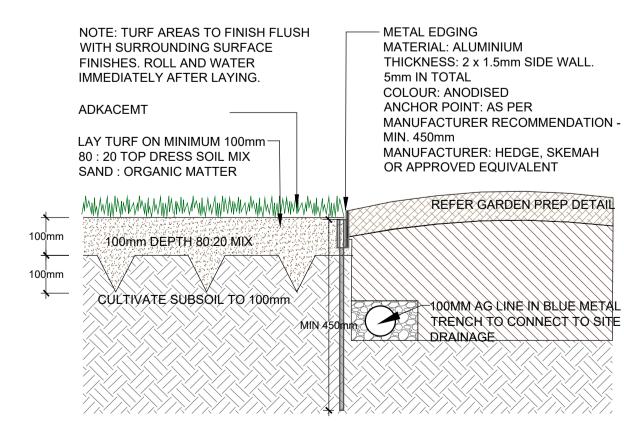
SLAB DETAIL



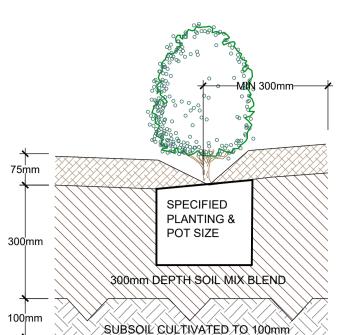
# TREE PLANTING DETAIL

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)



# TURF WITH METAL GARDEN EDGE DETAIL SCALE: 1:10



TYPICAL SETBACK FROM LAWN/GARDEN EDGE

75mm DEPTH "FOREST FINE" MULCH OR **EQUIVALENT** 

### SOIL MIX:

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

WHERE A TREE IS TO BE RETAINED

ESTABLISHED DUE TO RESTRICTED

AND BRANCHES IN THE LOWER

CROWN WILL BE PROTECTED BY

WRAPPING 2 LAYERS OF HESSIAN.

UNDERFELT AROUND THE TRUNK

AND BRANCHES FROM GROUND

THEIR CROWNS TO WHICH LENGTHS

HARDWOOD TIMBERS, SPACED AT

ARE TO BE SECURED BY 8 GAUGE

WIRES OR STEEL STRAPPING AT

PROTECTION IS REQUIRED

150mm CENTRES SHALL BE PLACED

AROUND ITS CIRCUMFERENCE, AND

300mm SPACING. NO NAILING TO THE

BE USED WHERE SMALLER BRANCH

TRUNK. THIS SAME METHOD MUST

LEVEL TO THE UNDERSIDES OF

OF 100mm x 50mm x 2000mm

ACCESS e.g. TREE LOCATED ALONG

-SIDE IN AN ACCESS WAY, THE TRUNK

AND A TREE PROTECTION ZONE

CANNOT BE ADEQUATELY

GEOTEXTILE OR CARPET

SITE TOPSOIL RUNS OUT.

# TYPICAL GARDEN PREPARATION DETAIL

**SCALE 1:10** 

-BRANCH

PADDING -

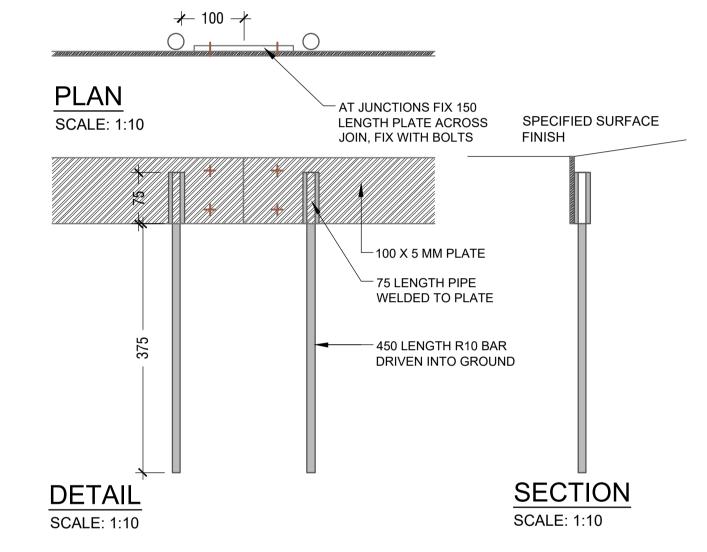
TRUNK PROTECTION

(BATTENS STRAPPED TOGETHER)

PROTECTION

(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)





PROVIDE FENCING AS DETAILED TO ALL TREES PROPOSED TO BE RETAINED ON THE SUBJECT SITE.

1. CHAIN WIRE MESH PANELS WITH

ATTACHED, HELD IN PLACE WITH

WOODEN PALING FENCE PANELS. THE

SURFACE OF TPZ (AT THE DISCRETION

ACTIVITY, GRADE CHANGES, SURFACE

MATERIALS OF ANY KIND IS PERMITTED

THE TPZ. INSTALLATION OF SUPPORTS

5. PRUNING & MAINTENANCE TO TREE

REFER TO AS 4373-2007 PRUNING OF

4. BRACING IS PERMISSIBLE WITHIN

FENCING MATERIAL ALSO PREVENTS

SHADE CLOTH (IF REQUIRED)

2. ALTERNATIVE PLYWOOD OR

**BUILDING MATERIALS OR SOIL** 

3. MULCH INSTALLATION ACROSS

OF THE PROJECT ARBORIST). NO

EXCAVATION, CONSTRUCTION

TREATMENT OR STORAGE OF

TO AVOID DAMAGING ROOTS

CONCRETE FEET

ENTERING THE TPZ

WITHIN THE TPZ

AMENITY TREES

# TYPICAL TRUNK PROTECTION WHERE TPZ FENCING NOT PRACTICAL

40 (w) x 20 (W) slats — CONCRETE PLINTH. 3000 (L) x 300 (W) x 290 (H)mm INSITU CLASS 2 CONTINUOUS FORM. PLAIN GREY CONCRETE. FINAL FINISHES & CONCRETE STRENGTH TO BE DETERMINED

# & INSTRUCTIONS FOR INSTALLATION CONCRETE PLINTH MOUNTED SEAT

NOTE: DRAWING IS INDICATIVE ONLY. SIMILAR EQUIVALENT PROPRIETARY

PRODUCT TO BE SOURCED BY CLIENT. REFER MANUFACTURER'S SPECIFICATIONS

**SCALE 1:20** 

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NOTATION/AMENDMENT A 05.09.22 Preliminary DA prepared for review MID WESTERN REGIONAL COUNCIL B 27.09.22 Co-ordinated with client's comments 30.09.22 Co-ordinated with client's comments 11.10.22 Co-ordinated with client's comments F 01 11 22 Co-ordinated with amended architectural plan MID WESTERN REGIONAL COUNCIL 11.11.22 Co-ordinated with client's comments

PROPOSED LANDSCAPE **DESIGN DEVELOPMENT** 70 COURT STREET **MUDGEE** 

# STEEL EDGE DETAIL SCALE: 1:10

# WHITE T/P TIMBER PICKETS WITH MAX 20mm GAP. FIX TO 75mm SQ RAILS FIXED TO BRICK PIERS. TIMBER CAPPING TO SUIT **FOOTING TO ENGINEERS** POST CENTERS AT MAX 1.6m

# 0.9m HT TIMBER PICKET FENCE DETAIL

SCALE 1:20

DEVELOPMENT APPLICATION **DETAILS + SPECIFICATION NOV 2022** AS SHOWN @ A1 R.F