LANDSCAPE VEGETATION MANAGEMENT PLAN - ADDENDUM

Moorebank Intermodal Precinct – Precinct West South

SEPTEMBER 2026

Moorebank Intermodal Precinct – Precinct West South

EPBC 2011/6086 Approval, SSD 5066 Development Consent, SSD 7709 Development Consent, Complying Development Consent 230736/01, 230736/01(MOD), 230736/07, 250077/01 and 250077/06

Landscape Vegetation Management Plan – Addendum

[redacted]

Revision Author	[redacted]
Checker	[redacted]
Approver	[redacted]
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Original Author Details

Author Details	Qualifications and Experience
[redacted]	BEnvSc (Hons1), GradCert EnvPl [redacted] has 16 years of experience in environmental science, planning and assessment in the public sector.
[redacted]	BSc, DipEnvStud, MSc [redacted] has 30+ years as an environmental scientist and project manager and director, in the water, transport, energy, communications, industrial and other sectors, both in Australia and internationally.

Revision Author Details

Author Details	Qualifications and Experience
[redacted]	BEnvSc 3 years of experience in environmental assessment and management across a variety of projects, including State significant development and Commonwealth approvals.

Revisions

Revision	Date	Description	Prepared by	Approved by
01	13/06/2024	Draft for client review	[redacted]	[redacted]
02	28/06/2024	Updated post sub-consultant review	[redacted]	[redacted]
03	23/10/2024	Final for issue	[redacted]	[redacted]
04	30/01/2026	Updated for Warehouse S2A and S5	[redacted]	[redacted]
05	14/09/2026	Updated for annual review, Warehouse S4, and the transport, storage and use of dangerous goods within Warehouse S4	[redacted]	[redacted]

DECLARATIONS OF ACCURACY

[redacted]

In making this declaration, I am aware that section 491 of the *Environment Protection and Biodiversity Conservation Act 1999* (Cth) (EPBC Act) makes it an offence in certain circumstances to knowingly provide false or misleading information or documents to specified persons who are known to be performing a duty or carrying out a function under the EPBC Act or the *Environment Protection and Biodiversity Conservation Regulations 2000* (Cth). The offence is punishable on conviction by imprisonment or a fine, or both. I am authorised to bind the approval holder to this declaration and that I have no knowledge of that authorisation being revoked at the time of making this declaration.

Signed [redacted]

Full name [redacted]

Organisation [redacted]

Date 16 September 2026

[redacted]

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Signed [redacted]

Full name [redacted]

Organisation [redacted]

Date 8 October 2026

ACRONYMS AND DEFINITIONS

Acronym/Term	Meaning
Addendum	Landscape Vegetation Management Plan – Addendum
CDC	Complying Development Consent
CoA	Conditions of Approval as detailed in the EPBC Act Approval EPBC 2011/6086
CoC	Conditions of Consent as detailed in the EP&A Act Development Consent SSD 5066
DCCEEW	Department of Climate Change, Energy, Environment and Water (formerly DotEE, now NEPA)
The Development	The three warehouses and associated landscaping and infrastructure on the MPW South site.
Development site	All operational areas of the MPW South Development
DG	Dangerous Goods
DotEE	Department of the Environment and Energy merged with all functions of the Department of Agriculture (February 2020) to form the Department of Agriculture, Water and the Environment (DAWE)
EIS	Environmental Impact Statement
EPBC Act	Environment Protection and Biodiversity Conservation Act 1999
ESR	ESR Australia & New Zealand
LVMP	Landscape Vegetation Management Plan
MIP/the Precinct	Moorebank Intermodal Precinct
MPW	Moorebank Precinct West
NEPA	National Environmental Protection Agency
OEMP	Operational Environmental Management Plan
OFFMP	Operational Flora and Fauna Management Plan
REMM	Revised Environmental Management Measures. These are the management and mitigation measures presented in the MPW Concept Plan Supplementary RtS (August 2017).
RtS	Response to Submissions
SSD	State significant development
UDDR	MPW Stage 2 Urban Design Development Report (Reid Campbell, 2021)

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1 INTRODUCTION

1.1 Development Ownership

In 2022, LOGOS joined the ESR group of companies and since August 2024, the LOGOS and ESR operations have been integrated to now operate under the name ESR Australia & NZ (ESR). The applicant/ approval holder entity remains unchanged at this stage until further notice and references to LOGOS and LOGOS authored documents and/or plans may continue and remains relevant where LOGOS and ESR are used interchangeably.

1.2 Moorebank Intermodal Precinct Overview

The Moorebank Intermodal Precinct (MIP), operated by ESR (formerly LOGOS), is an integral component of the freight, ports and transport strategies of both the Commonwealth and NSW governments and is located approximately 27km south-west of the Sydney Central Business District and 26km west of Port Botany within the Liverpool Local Government Area.

The MIP aims to streamline the freight logistics supply chain from port to store, deliver savings to businesses and consumers, and help service the rapidly growing demand for imported goods in south-west Sydney. On completion, MIP will move 1.55 million shipping containers annually by rail instead of road. It will also feature Australia's largest purpose-built warehouse and distribution precinct serviced by the latest automated technology which will see driverless shuttle carriers collect and transport containers around the precinct to be processed, unpacked and stored on site prior to distribution.

The MIP is divided into the Moorebank Precinct West (MPW) and Moorebank Precinct East (MPE) developments.

MPW Stage 2 is located to the north of MPW South (the Development) and includes operation of a multi-purpose Intermodal (freight) Terminal facility, rail link connection, warehousing and a freight village. The MPW Stage 2 Operational Environmental Management Plan (OEMP) and sub-plans were approved by:

- the National Environmental Protection Agency (NEPA) in accordance with Condition of Approval (CoA) 4 of the EPBC 2011/6086 Approval
- the NSW Department of Planning, Industry and Environment (DPIE) in accordance with Condition of Consent (CoC) C7 of the MPW Stage 2 (SSD 7709) Development Consent.

Operations on MPW Stage 2 commenced after these plans were approved.

1.3 Addendum Purpose

This Landscape Vegetation Management Plan (LVMP) – Addendum (this Addendum) has been prepared to apply environmental management measures, where relevant, consistently for the operation of the Development and meet the relevant conditions of the applicable development approvals and consents. This Addendum is an addendum to the MPW Stage 2 LVMP and forms a sub-plan to the MPW South OEMP – Addendum that has been prepared for the operation of the Development.

This Addendum addresses:

- the relevant conditions of the EPBC 2011/6086 Approval issued under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act)
- the relevant conditions of the MPW – Concept and Stage 1 (State Significant Development (SSD) 5066) Development Consent
- the relevant conditions of the MPW Stage 2 (SSD 7709) Development Consent
- the relevant conditions of the following Complying Development Consent (CDC) instruments issued under the *State Environmental Planning Policy (Transport and Infrastructure) 2021* (TISEPP):
  - CDC 230736/01 (27 February 2024) for the construction and use of Warehouses S1, S2, S3, S5 and S6
  - CDC 230736/01 (MOD) (25 June 2025) modification for the storage of dangerous goods (DG) at Warehouse S5
  - CDC 230736/07 (14 July 2025) modification for the storage of DG at Warehouse S2A
  - CDC 250077/01 (29 May 2025) for the construction and operation of Warehouse S4
  - CDC 250077/06 (5 August 2026) modification to Warehouse S4 for the transport, storage and use of DG, designation of DG and commodity protected areas within the warehouse and onsite diesel refuelling via mini-tanker.

This Addendum has been prepared for submission to NEPA under CoA 21 of the EPBC 2011/6086 Approval.

This Addendum was developed in reference to the following documents:

- Moorebank Intermodal Terminal Project Environmental Impact Statement (Parsons Brinkerhoff, October 2014), Chapter 1 Environmental Management Framework
- Moorebank Intermodal Terminal Response to Submissions Report (Parsons Brinkerhoff, May 2015)
- Moorebank Intermodal Terminal Supplementary Response to Submissions Report (Parsons Brinkerhoff, August 2015), Chapter 7 Revised environmental management measures
- MPW Stage 2 OEMP
- MPW Stage 2 Operational Flora and Fauna Management Plan (OFFMP)
- MPW Stage 2 LVMP
- MPW Stage 2 Urban Design Development Report (UDDR, Reid Campbell, 2021)
- MPW Long Term Environmental Management Plan (LTEMP) (EP Risk, December 2020)
- MPW South OEMP – Addendum
- MPW South Landscape CDC Documentation (Ground Ink, October 2023).

1.4 Objectives and Targets

The objectives of this Addendum are the same as those detailed in Section 1.3 of the MPW Stage 2 LVMP.

1.5 Consultation

No stakeholder consultation was required for the MPW Stage 2 LVMP and was not required for the preparation of this Addendum.

1.6 Progressive Implementation of this Addendum

This Addendum is applicable to the operation of the Development. The most recent version of this Addendum will be implemented to manage the potential impacts of the Development on landscape and vegetation during operation.

Operational areas will come online progressively as warehouses are constructed, commissioned, and tenanted. As areas become operational, any adjacent construction areas will continue to be managed in accordance with the relevant approved Construction Environmental Management Plan and sub-plans, while operational areas will be managed in accordance with the MPW South OEMP – Addendum and sub-plan addenda.

Until the entire Development is operational, all construction areas will be appropriately identified and demarcated to enable effective management of the interface between any construction areas and operations.

1.6.1 Distribution and Availability

A copy of the approved MPW South OEMP – Addendum and addenda will be kept at the Development Office and will be made available to relevant regulatory officers, the Certifying Authority and operational staff upon request.

In accordance with CoA 27 of the EPBC 2011/6086 Approval, each management plan will be published on the website of the person taking the action within one month of being approved or being submitted under CoA 21. This Addendum will be published on the Development's website (https://moorebankintermodalprecinct.com.au/).

1.6.2 Submission, Review and Update

This Addendum will be submitted to NEPA as required by CoA 21 of the EPBC 2011/6086 Approval prior to the commencement of operation of the Development.

This Addendum will be reviewed annually, as a minimum (until all areas are operational), which may lead to revision of the document.

Under CoA 21 of the EPBC 2011/6086 Approval, the revised document can be submitted to NEPA for information if implementing the plan would not be likely to have a new or increased impact, and approval of the plan under Section 143A of the EPBC Act is not required. CoA 21 to 25 of the EPBC 2011/6086 Approval detail the process for review and implementation of the revised documents following submission to NEPA. In the event that ESR or NEPA considers that the implementation of the revised document would be likely to have a new or increased impact, approval of the revised documents under Section 143A of the EPBC Act will be required prior to implementation.

In addition to the triggers above, this Addendum may be revised more regularly as a result of:

- Inspection outcomes (either by internal or external parties)
- Changes to the precinct-wide environmental management requirements (see Section 4.1)
- Changes to procedures and/or scope of works after an incident or potential incident
- Design or operational changes
- Opportunities for improvement identified as part of an investigation or non-compliance report
- Internal or external environmental audits
- Material complaints.

1.7 Document Structure

The structure of this Addendum is:

- **Section 1** provides a brief overview of the MIP and the purpose, objectives and targets, and application of this Addendum. It also describes requirements for consultation (if any).
- **Section 2** provides a summary of the activities being undertaken during operation of the Development.
- **Section 3** outlines the statutory requirements and obligations which need to be fulfilled during operation of the Development in relation to the management of landscape and vegetation.
- **Section 4** describes the environmental management requirements for the Development, relevant to landscape and vegetation.
- **Section 5** describes the existing environment, identifies the aspect, impacts and risks for landscape and vegetation and details the management measures that will be implemented to manage these risks.
- **Section 6** provides details for monitoring and review of the implementation of this Addendum, and how environmental non-compliance and non-conformance will be managed during operations.

This addendum has been structured to be consistent with the other MPW South sub-plan addenda, as appropriate.

2 DEVELOPMENT DESCRIPTION

The Development comprises Warehouses S1, S2 (A and B), S4 and S5, located within the southern portion of the MPW footprint. The operation of the Development also includes ancillary infrastructure, namely car parking, landscaping, signage and lighting. Bushmaster Avenue provides truck and car access to the Development site.

The warehouses have been approved to operate 24 hours per day, 365 days per year. Heavy and light vehicles would access the warehouses via the main site access off Moorebank Avenue and Bushmaster Avenue, light vehicles would park in the allocated parking area adjacent to each warehouse and heavy vehicles would progress to the truck loading/unloading areas alongside each warehouse. Containers would be transferred directly to the warehouses from the rail terminals located to the east of the Development site.

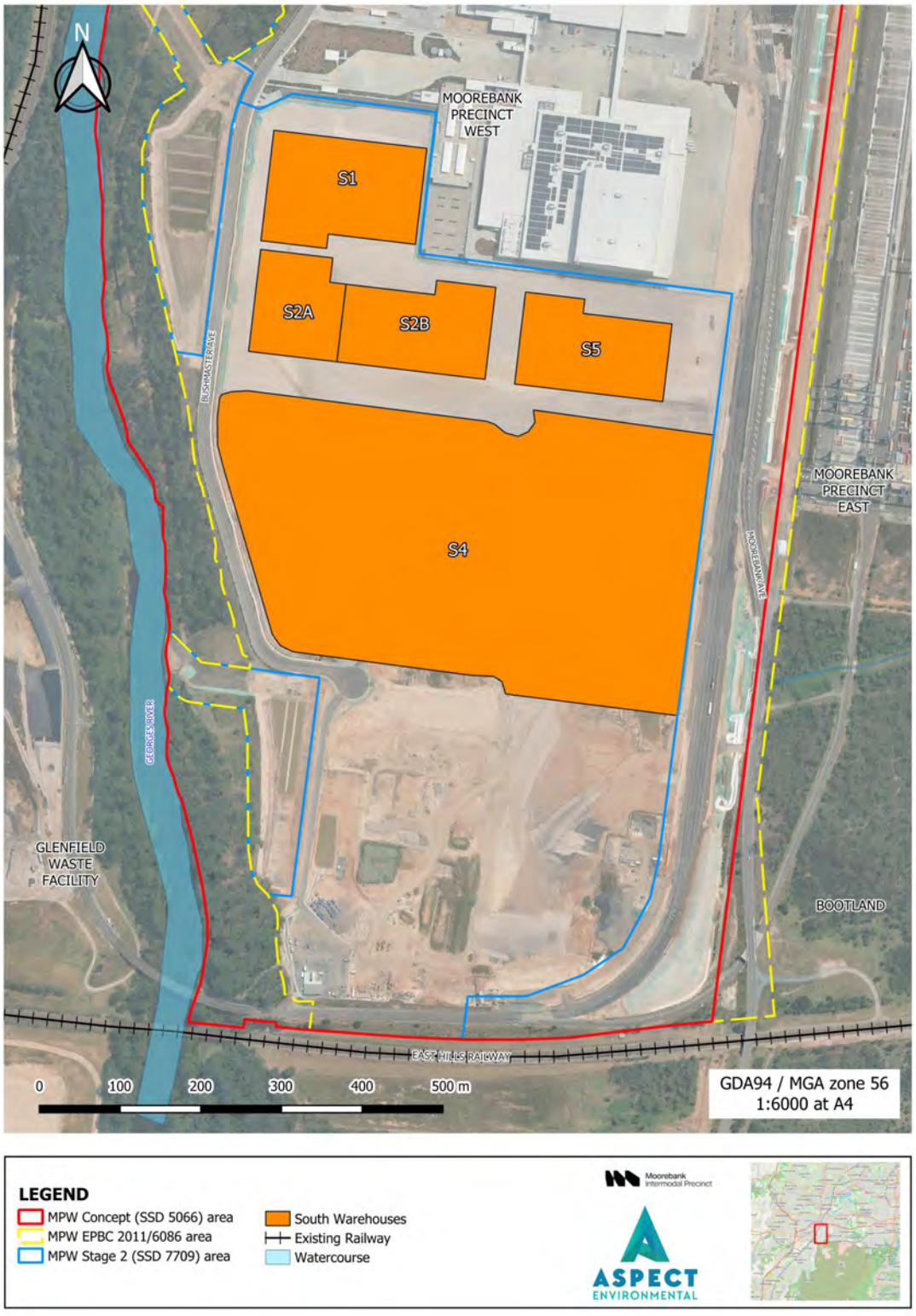
Known tenant details at the time of reporting are provided in Table 2-1. Where warehouses are untenanted, this has been identified as NA.

Table 2-1 MPW South Tenant Details

Warehouse	Tenant
S1	NA
S2A	Bracknells Warehousing and Distribution
S2B	Signify
S4	Kmart
S5	Opal Packaging Plus

The Development site is shown in Figure 2-1.

Figure 2-1 MPW South Development site (Aspect Environmental, January 2026)



3 STATUTORY REQUIREMENTS

The operation of the Development is required to comply with all relevant development approvals and consents legislation, permits, and licences applicable to the Development site. Where updated or revised versions of guidelines, protocols, standards or policies, or a replacement of these are available, the most recent versions would be reviewed and their applicability to this Addendum determined.

3.1 Development Approvals

The Development was approved under both the EPBC Act and *Environment Planning and Assessment Act 1979* (EP&A Act). The approval, consent and certificate granted under these acts include conditions relevant to operations and potential landscape and vegetation impacts as detailed below. The EPBC 2011/6086 Approval for the MPW Concept was granted by DotEE (now NEPA) in September 2016 and varied on 17 September 2019 and 22 April 2022. The operation of the Development will be consistent with the EPBC 2011/6086 Approval, where relevant.

The EPBC 2011/6086 Approval refers to the Revised Environmental Management Measures (REMM) of the “finalised EIS” (i.e. the Moorebank Intermodal Terminal Plan Supplementary Response to Submissions (RtS), Parsons Brinckerhoff, August 2017).

The MPW Concept and Stage 1 (SSD 5066) Development Consent was granted on 3 June 2016. The CoC under Schedule 2 (Terms of Approval) are potentially relevant to the operations of the Development, although CoC under Schedule 3 (Stage 1 Early Works) and Schedule 4 (Future Development Applications) are not.

The MPW Stage 2 (SSD 7709) Consolidated Consent was approved on 11 November 2019 by the NSW Independent Planning Commission (IPC) and is predominately applicable to operations within the northern portion of the MPW Stage 2 Site. However, the SSD 7709 Consolidated Consent defines the MPW Stage 2 Site as including the area of the Development (Appendix 1 Figure 1 of SSD 7709). Therefore, SSD 7709 CoC that refer to the “site” may apply to operation of the Development.

A number of CDC consents have been issued in relation to the Development, as detailed in Section 1.3. These consents include conditions relevant to the operation of the Development, landscape and vegetation management and this Addendum.

3.2 Legislation

The regulatory framework relevant to the operation of the Development is documented in Appendix F of the MPW Stage 2 OEMP. This framework identifies relevant legislative instruments, their key objectives and their application to the Development.

This register will be revised and updated in conjunction with the management review outlined in Section 6 of the MPW South OEMP – Addendum or when there has been a change to relevant legislation.

3.3 Permits and Licences

Permits and licences relevant to operations are detailed in Appendix B of the MPW Stage 2 OEMP. This register is revised and updated in conjunction with the management review outlined in Section 6 of the MPW South OEMP – Addendum, or when there has been a change to relevant legislation.

Compliance conditions relating to items listed on this register are incorporated into the MPW South OEMP – Addendum and the sub-plan addenda, where relevant.

A summary of the key permits and licences applicable to operations of the Development is provided in Section 3.3 of the MPW South OEMP – Addendum.

3.4 Guidelines

This Addendum has been prepared in accordance with a list of guidelines and codes of practice as detailed in Appendix C of the MPW Stage 2 OEMP, including the *Environmental Management Plan Guidelines (Commonwealth of Australia, 2014) and the Environmental Management Plan Guideline – Guideline for Infrastructure Projects* (DPE, 2020).

4 ENVIRONMENTAL MANAGEMENT

4.1 Precinct-wide Environmental Management

Section 4 of the MPW South OEMP – Addendum describes ESR's precinct-wide environmental management requirements as summarised in Table 4-1. This Addendum will be implemented in a manner that is consistent with these requirements.

Table 4-1 Precinct-wide environmental management requirements

Environmental Management Requirements	Section of MPW South OEMP – Addendum
LOGOS' Environmental Management System	Section 4.1
MIP Sustainability Policy and Sustainability Framework	Section 4.2
LOGOS' Workplace Health and Safety Management System	Section 4.3
MPW Stage 3 Precinct OEMP	Section 4.4
Operational environmental and sustainability objectives and targets	Section 4.5
Roles and environmental responsibilities	Section 4.6
Training and competence	Section 4.7
Community consultation and complaints management	Section 4.8
Incident management and emergency response	Section 4.9
Document control and records	Section 4.10

4.2 Roles and Environmental Responsibilities

Key roles and responsibilities associated with the implementation of this Addendum are detailed in Section 1.3 of the MPW Stage 2 LVMP.

4.3 Training and Competence

Appropriate training and inductions for operations personnel will be undertaken in accordance with Section 4.7 of the MPW South OEMP – Addendum. There are no specific induction requirements related to this Addendum.

Records of all training and inductions are to be filed in accordance with the document control system outlined in the MPW South OEMP – Addendum.

5 IMPLEMENTATION

The proposed landscaping for the Development is detailed in the MPW South Landscape CDC documentation (Ground Ink, October 2023), which includes an Indicative Plant Palette. The Landscape CDC documentation is included as Appendix B.

The UDDR (GroundInk & Watson Young, 2023) established a set of detailed objectives and indicative design parameters, performance benchmarks and minimum standards for the Development. These will be applied consistently for the management of landscape and vegetation during the operation of the Development. This Addendum should be read in conjunction with the UDDR.

The MPW Stage 2 LVMP provides details for landscape and vegetation management relevant to the operation of the Development including:

- Landscape planting, including a range of canopy trees, shrubs, grasses and groundcovers across the Site, including bioretention areas
- Monitoring and maintenance requirements
- Weed and pathogen control
- Contingencies in the event of multiple plant failures in the same area
- Graffiti management.

These requirements are detailed in Table 5-1, including the responsibility, frequency and location for implementation.

In addition to the weed and pathogen control measures included in the MPW Stage 2 LVMP, a Weed, Pest and Vermin Management Protocol is included as Appendix D of the MPW Stage 2 OFFMP. This protocol has been developed to prevent the introduction of noxious weeds, pest species and/or vermin. The requirements of this protocol relating to the identification and management of weeds will be implemented during the operation of the Development.

As described in Section 5.2.1.4 of the MPW South OEMP, the LTEMP (EP Risk, December 2020) applies to the MPW Site, including the Development Site. The LTEMP must be implemented for all operational activities being undertaken on the MPW Site, including the Development. The LTEMP includes specific environmental management procedures (EMPs) for operational activities, including landscape maintenance. EMP13 Landscape Maintenance will be followed to mitigate the risk to human health and the environment during landscape maintenance activities at the Development.

Table 5-1 Monitoring and maintenance requirements

Maintenance Action	Task	Responsibility	Nominated Frequency	Location
Inspections	Landscape maintenance inspections will be conducted to identify landscaping that requires rectification/repair or areas of landscape planting that are in poor health.	Asset Manager/ Warehouse Tenants	Every two months	Whole Development Site
	Arboreal and landscape health check, seeking advice from an AQF5 qualified arborist, where required as a result of inspections.	Asset Manager	Annually	Whole Development Site
Watering	A low-volume drip irrigation system will be installed to allow for healthy plant growth. *Note: The majority of plants specified across the precinct are intended to be low water use, drought tolerant species which will be self-sufficient once established.*	Asset Manager	20-30mm/m^2 of landscaped area per week	Landscaped areas with canopy trees, shrubs and vegetation
Pruning Vegetation	• Pruning work will maintain dense foliage conditions and encourage suitable growth habits. • Pruning of low tree branches 2m from the ground to prevent a ground fire from spreading into the tree canopy. • Any branches obstructing pathways and roads will be removed as directed by the Facilities Manager, Health, Safety and Environment (HSE) Manager or Maintenance Contractor. • An approved wound dressing, such as 'Colgraft' will be applied to all cut surfaces in accordance with the manufacturer's instructions. • Pruning will be undertaken in accordance with Australian Standard AS4373 where applicable. • Separate and maintain tree crowns by at least 2m so that the canopy is not continuous and does not encroach closer than 5m to buildings. • Clearing of sight lines at road intersections and corners, around services and electrical equipment. • Any areas of diseased shrubs and groundcovers will be pruned. • An Arborist will be consulted prior to the pruning of large tree branches	Asset Manager	Every three months	Landscaped areas with canopy trees, shrubs and vegetation

Maintenance Action	Task	Responsibility	Nominated Frequency	Location
Weed/Pest Management	Manual removal or herbicide application before weeds are set, as identified by inspections.	Asset Manager/ Warehouse Tenants	Fortnightly	Whole Development Site
	Insecticide and fungicide treatment will be undertaken in all occurrences of insect attack or disease in landscape vegetation as indicated by inspections.	Asset Manager	As required	Whole Development Site
Rubbish removal	Remove all rubbish from landscaped areas, car parks, access roads, outdoor eating areas, warehouse entry ways and freight village.	Asset Manager/ Warehouse Tenants	Weekly	Whole Development Site
Removal of dead/dying plant material	Cut back and remove dead or dying plant material. Keep areas under fences, gates and trees raked and clear of combustible fuels and keep strip and stormwater drainage pits free of leaf litter and combustibles.	Asset Manager	Every two months in autumn/winter and every month in spring/summer	Landscaped areas with canopy trees, shrubs and vegetation
Replacement planting	Inspections conducted frequently during the establishment period will determine whether any plant replacements are required.	Asset Manager	Every three weeks	Landscaped areas with canopy trees, shrubs and vegetation
	Replace failed plantings with identical species, densities and scale nominated in the Landscape Design, where possible, as identified by inspections.	Asset Manager	As required	Landscaped areas with canopy trees, shrubs and vegetation
	Replace plants lost due to vandalism or theft	Asset Manager	As required	Landscaped areas with canopy trees, shrubs and vegetation
	Replace any tree or shrub that fails to establish within 2 years of the initial planting date with the same species of tree or shrub.	Asset Manager	As required	Landscaped areas with canopy trees, shrubs and vegetation

Maintenance Action	Task	Responsibility	Nominated Frequency	Location
Mulched Surfaces	Mulched surfaces to be kept in a clean and tidy condition. Mulch debris will be swept from other paved surfaces.	Asset Manager	Weekly	Landscaped areas
	Mulch will be periodically reinstated to the depths of approximately 75 millimetres, as identified by inspections.	Asset Manager	As required	Landscaped areas
Specified soil/mulch levels	Specified levels of mulch will be maintained by lifting mulch, removing or adding topsoil mix and/or replacing mulch to the required levels.	Asset Manager	Annually	Landscaped areas
Soil quality	Fertilizers (i.e. organic matter and nutrients) to be added as required for improvement of soil quality.	Asset Manager	Annually	Landscaped areas
Drainage	Any areas of poor drainage as identified by inspections, will be rectified.	Asset Manager	As required	Whole Project Site
Stakes and ties	Stakes and ties will be adjusted and replaced as required.	Asset Manager	As required	Landscaped areas
Raingardens	Regular ongoing and post-large rainfall inspections and maintenance of raingardens will be undertaken in line with measures outlined in the MPW South Stormwater Infrastructure Operation and Maintenance Plan (SIOMP) – Addendum. Maintenance activities will include: litter collection, minor replanting, repair of localised scouring, spot weeding, testing for contaminants and any other minor rectification works that are required.	Asset Manager	As nominated in the SIOMP – Addendum	OSDs

* Responsibility for management and maintenance activities may be reallocated depending on the specific needs of each warehouse tenant. In those cases, where Asset Manager/Warehouse Tenant is nominated, the Asset Manager is responsible for common areas, while the warehouse tenant is responsible for those activities within warehouse limits.

6 MONITORING AND REVIEW

6.1 Environmental Monitoring

Landscape and vegetation monitoring will be undertaken consistently with the monitoring detailed in Section 3.2 of the MPW Stage 2 LVMP. Monitoring required to determine the effectiveness of management measures required by this Addendum are outlined in Table 5-1.

6.2 Environmental Reporting

Section 6.2 of the MPW South OEMP – Addendum details the environmental reporting required during the operation of the Development. There are no specific reporting requirements with regard to landscape and vegetation management during the operation of the Development.

6.3 Environmental Auditing and Inspections

Auditing and inspections will be undertaken in accordance with Sections 6.3 of the MPW South OEMP – Addendum

6.4 Incidents

Incident management for the purpose of this Addendum will be conducted in accordance with Section 4.9 of the MPW South OEMP - Addendum.

6.5 Complaints

Complaint management for the purpose of this Addendum will be conducted in accordance with Section 4.8 of the MPW South OEMP - Addendum.

6.6 Non-compliance, Non-conformance and Corrective Actions

It is the responsibility of all personnel to report non-conformances to ESR. The HSE Manager and/or Asset Manager will investigate non-conformances, log corrective and/or preventative actions, and delegate responsibility for corrective and/or preventative actions within assigned timeframes.

Non-compliances and non-conformances will be managed in accordance with Section 6.4 of the MPW South OEMP – Addendum.

APPENDIX A – APPROVALS AND CONSENT COMPLIANCE MATRIX

CoA / CoC	Requirement	Section	How Addressed
EPBC 2011/6086 Approval			
10	Sections of the CEMP and OEMP relating to air quality must be prepared by a suitably qualified expert and must: … b) incorporate all measures 10A to 10U (CEMP only) and 10V to 10AH and 11A to 11H (OEMP only) from Table 7.1 of the finalised EIS that are described as 'mandatory' …	This Addendum	See REMM 11A below
REMM			
11A	Where possible, establish and maintain areas of native flora and vegetation within the Project site to generate significant carbon sequestration benefits.	Section 5	Section 5 of this Addendum describes the landscape planting on the Development site and its maintenance
SSD 5066 Development Consent			
	The SSD 5066 Development Consent did not include conditions relating to landscape and vegetation.		
SSD 7709 Development Consent			
B83	The Applicant must: (a) implement measures to manage pests, vermin and declared noxious weeds on the site; and (b) inspect the site on a regular basis to ensure that these measures are working effectively, and that pests, vermin or noxious weeds are not present on site in	Section 5	Section 5 of this Addendum describes weed and pathogen control measures that will be implemented during the operation of the Development

CoA / CoC	Requirement	Section	How Addressed
	sufficient numbers to pose an environmental hazard, or cause the loss of amenity in the surrounding area. Note: For the purposes of this condition, noxious weeds are those species subject to an order declared under the Biosecurity Act 2015.		
CDC 230736/01, 230736/01(MOD) and TISEPP Chapter 6			
	The CDC did not include conditions relevant to landscape and vegetation management during the operation of the Development.		
CDC 230736/07			
25(1)	Any tree or shrub that fails to establish within 2 years of the initial planting date must be replaced with the same species of tree or shrub.	Table 5-1	Section 5 details mitigation management measures that address this condition of consent,
25(2)	All landscaped areas on the site must be maintained on an on-going basis.	Table 5-1	Section 5 details mitigation management measures that address this condition of consent,
CDC 250077/01			
	The CDC does not include conditions relevant to landscape and vegetation management during the operation of the Development.		
CDC 250077/06			
	The CDC modification does not include conditions relevant to landscape and vegetation management during the operation of the Development.		

APPENDIX B – LANDSCAPE CDC DOCUMENTATION

MOOREBANK MPW SOUTH UDDR

MOOREBANK INTERMODAL PRECINCT, NSW 2170

LANDSCAPE CDC DOCUMENTATION

EXISTING SITE PLAN



DOCUMENT REGISTER

DRAWING NUMBER	DRAWING NAME	SCALE / DRAWING SIZE
LDA-001	LANDSCAPE COVER SHEET	-
LDA-101	GENERAL ARRANGEMENTS PLAN	1:2000 / A1
LDA-201	DETAILED LANDSCAPE PLAN INSET 1	1:500 / A1
LDA-202	DETAILED LANDSCAPE PLAN INSET 2	1:500 / A1
LDA-203	DETAILED LANDSCAPE PLAN INSET 3	1:500 / A1
LDA-204	DETAILED LANDSCAPE PLAN INSET 4	1:500 / A1
LDA-301	INDICATIVE PLANT PALETTE	-
LDA-401	LANDSCAPE DETAILS 1 - PLANT MATRIX	1:20 / A1
LDA-402	LANDSCAPE DETAILS 2 - SOFSCAPE	1:20 / A1

LANDSCAPE ARCHITECT

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ISSUE	DATE	DESCRIPTION	DRAWN	CHECKED
A	04.08.23	DRAFT ISSUE FOR COORDINATION		
B	07.09.23	ISSUE FOR COORDINATION		
C	18.10.23	ISSUE FOR COORDINATION		

DRAWING TITLE

LANDSCAPE COVER SHEET

DATE	JOB NUMBER	DRAWN	CHECKED	
18-SEP-23	20230629			LDA-001

PROJECT

MOOREBANK INTERMODAL PRECINCT, NSW 2170

SCALE **N/A** REV **C**



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C	18.10.23	ISSUE FOR COORDINATION		

DRAWING TITLE

GENERAL ARRANGEMENTS PLAN

DATE	JOB NUMBER	DRAWN	CHECKED	
18-SEP-23	20230629			LDA-101

PROJECT

MOOREBANK INTERMODAL PRECINCT, NSW 2170

NORTH

SCALE 1:2000 / A1

0 20 40 60M

REV C

ITV ROAD

GATE

2000

GATE

2000

2000

GATE

ITV ROAD

CONTAINER INTERCHANGE AREA

S5 WAREHOUSE
FFL 17.30

15m CANTILEVERED AWNING OVER

2000

15m CANTILEVERED AWNING OVER

1900

RAIN WATER TANK
TO ENGINEER'S DETAILS

2000

S6 WAREHOUSE
FFL 17.30

S6 DOCK OFFICE

6m AWNING OVER

S6 DOCK OFFICE

RAIN WATER TANK
TO ENGINEER'S DETAILS

6m AWNING OVER

3600

3000

S6 OFFICE

2000

GATE

GATE

2000

RAIN WATER TANK
TO ENGINEER'S DETAILS

TRUCK
ENTRY/
EXIT

TRUCK
ENTRY/
EXIT

BICYCLE
PARKING

1800

1800

103 CARS

2700

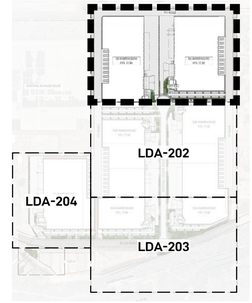
93 CARS

RL 16.60

OFFICE

REFER TO LDA-202 FOR DETAILED LANDSCAPE PLAN INSET 2

KEY PLAN - NOT TO SCALE



LEGEND

- FFL 17.00 — FINISHED FLOOR LEVEL
- RL 16.00 — PROPOSED SPOT LEVEL
- SITE BOUNDARY
- LINE OF AWNING ABOVE
- 2100MM HIGH PALISADE METAL PICKET FENCE TO ARCHITECT'S DETAILS
- 2400MM HIGH PVC COATED CHAINMESH FENCE TO ARCHITECT'S DETAILS
- PYLON SIGNAGE
- SUB STATION
- IMT VEHICLE ACCESS ROAD
- PROPOSED MIXED NATIVE UNDERSTOREY PLANTING RERER TO INDICATIVE PLANT PALETTE FOR PLANT SPECIES
- DECOMPOSED GRANITE
- PEDESTRIAN FOOTPATH
- PROPOSED ENDEMIC CUMBERLAND PLAIN WOODLAND TREES AS PER CONDITION B67 SSD 7709 RERER TO INDICATIVE PLANT PALETTE FOR TREE SPECIES
- 1 — PROPOSED 2.5M WIDE LANDSCAPED BAY EVERY 6-8 CAR SPACES TO PROVIDE SHADE AS PER B68(C) SSD 7709
- 2 — PROPOSED CANOPY TREE PLANTING WITH MINIMUM DENSITY RATE OF 1 CANOPY TREE PER 30M² OF TOTAL LANDSCAPE AREA AS PER CONDITION B68(b) SSD 7709

LANDSCAPE ARCHITECT

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B	07.09.23	ISSUE FOR COORDINATION	■	■
C	18.10.23	ISSUE FOR COORDINATION	■	■

DRAWING TITLE

DETAILED LANDSCAPE PLAN
INSET 1

DATE	JOB NUMBER	DRAWN	CHECKED
18-SEP-23	20230629	■	■

LDA-201

PROJECT

MOOREBANK INTERMODAL PRECINCT, NSW 2170

NORTH

SCALE 1:500 / A1

REV C

0 5 10 15M

REFER TO LDA-201 FOR DETAILED LANDSCAPE PLAN INSET 1

OFFICE

93 CARS

1800

1550

GATE

99 CARS

BICYCLE PARKING

GATE

RL 16.60

66 CARS

2800

6200

1800

S3B OFFICE

TRUCK EXIT

RAIN WATER TANK TO ENGINEER'S DETAILS

S3B WAREHOUSE

FFL 17.00

6m AWNING OVER

S6 DOCK OFFICE

S2A OFFICE

2200

BICYCLE PARKING

RAIN WATER TANK TO ENGINEER'S DETAILS

SITE BOUNDARY

2000

TRUCK ENTRY

6m AWNING OVER

3000

2000

6000

ITV ROAD

GATE

S2B WAREHOUSE

FFL 17.00

15m CANTILEVERED AWNING OVER

HARDSTAND

INTERNAL ESTATE ROAD

15m CANTILEVERED AWNING OVER

TRUCK ENTRY

850

INTERTENANCY FENCE

TRUCK EXIT

S2B DOCK OFFICE

INTERTENANCY FENCE

TRUCK ENTRY

TRUCK EXIT

3000

2000

6000

HARDSTAND

15m CANTILEVERED AWNING OVER

15m CANTILEVERED AWNING OVER

CONTAINER INTERCHANGE AREA

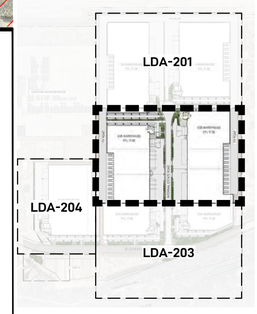
CONTAINER INTERCHANGE AREA

SITE BOUNDARY

REFER TO LDA-204 FOR DETAILED LANDSCAPE PLAN INSET 4

REFER TO LDA-203 FOR DETAILED LANDSCAPE PLAN INSET 3

KEY PLAN - NOT TO SCALE



LEGEND

- FFL 17.00 — FINISHED FLOOR LEVEL
- RL 16.00 — PROPOSED SPOT LEVEL
- SITE BOUNDARY
- LINE OF AWNING ABOVE
- 2100MM HIGH PALISADE METAL PICKET FENCE TO ARCHITECT'S DETAILS
- 2400MM HIGH PVC COATED CHAINMESH FENCE TO ARCHITECT'S DETAILS
- PYLON SIGNAGE
- SUB STATION
- IMT VEHICLE ACCESS ROAD
- PROPOSED MIXED NATIVE UNDERSTOREY PLANTING RERER TO INDICATIVE PLANT PALETTE FOR PLANT SPECIES
- DECOMPOSED GRANITE
- PEDESTRIAN FOOTPATH
- PROPOSED ENDEMIC CUMBERLAND PLAIN WOODLAND TREES AS PER CONDITION B67 SSD 7709 RERER TO INDICATIVE PLANT PALETTE FOR TREE SPECIES
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LANDSCAPE ARCHITECT

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DRAWING TITLE

DETAILED LANDSCAPE PLAN
INSET 2

DATE	JOB NUMBER	DRAWN	CHECKED	
18-SEP-23	20230629			LDA-202

PROJECT

MOOREBANK INTERMODAL PRECINCT, NSW 2170

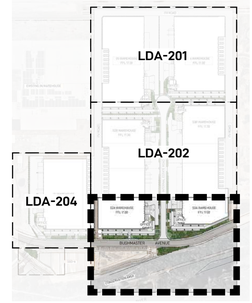
NORTH

SCALE 1:500 / A1

0 5 10 15M

REV C

KEY PLAN - NOT TO SCALE



REFER TO LDA-202 FOR DETAILED LANDSCAPE PLAN INSET 2

REFER TO LDA-204 FOR DETAILED LANDSCAPE PLAN INSET 4

2000 6000 2000

S2A WAREHOUSE
FFL 17.00

S3A WAREHOUSE
FFL 17.00

S3A DOCK OFFICE

TRUCK ENTRY

6m AWNING OVER

6m AWNING OVER

TRUCK EXIT

RL 16.60

INTERNAL ESTATE ROAD

RAIN WATER TANK
TO ENGINEER'S DETAILS

S2A OFFICE

S3A OFFICE

RL 16.70

RL 15.30

1500

1650

RL 16.60

SPRINKLER TANK

FIRE PUMP ROOM

RL 16.60

98 CARS

78 CARS

2500

8m BATTER ZONE

SITE BOUNDARY

2500

RL 14.45

18m x 6m BRIGADE STAGING AREA

FIRE BOOSTER ASSEMBLY

RL 14.50

BUSHMASTER AVENUE

RL 14.15

6m WIDE PRECINCT PYLON SIGNAGE LOCATION (TBC)

CONSERVATION AREA

OSD-6

GEORGES RIVER

LEGEND

- FFL 17.00 — FINISHED FLOOR LEVEL
- RL 16.00 — PROPOSED SPOT LEVEL
- SITE BOUNDARY
- LINE OF AWNING ABOVE
- 2100MM HIGH PALISADE METAL PICKET FENCE TO ARCHITECT'S DETAILS
- 2400MM HIGH PVC COATED CHAINMESH FENCE TO ARCHITECT'S DETAILS
- PYLON SIGNAGE
- SUB STATION
- IMT VEHICLE ACCESS ROAD
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- 2 — PROPOSED CANOPY TREE PLANTING WITH MINIMUM DENSITY RATE OF 1 CANOPY TREE PER 30M² OF TOTAL LANDSCAPE AREA AS PER CONDITION B68(b) SSD 7709
- 3 — PROPOSED MEANDERING PATHWAY FOR RECREATIONAL & VARIED WALKING EXPERIENCE AS PER CONDITION B60 SSD 7709
- 4 — PROPOSED PLANTING AREA CONSISTING OF PLANT SPECIES THAT MATCHES THE OVERALL PREVIOUS STREETSCAPE PLANTING SCHEME. REFER TO INDICATIVE PLANT PALETTE FOR OSD 6 PLANT SPECIES.

LANDSCAPE ARCHITECT

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DRAWING TITLE

DETAILED LANDSCAPE PLAN
INSET 3

DATE	JOB NUMBER	DRAWN	CHECKED	
18-SEP-23	20230629			LDA-203

PROJECT

MOOREBANK INTERMODAL PRECINCT, NSW 2170

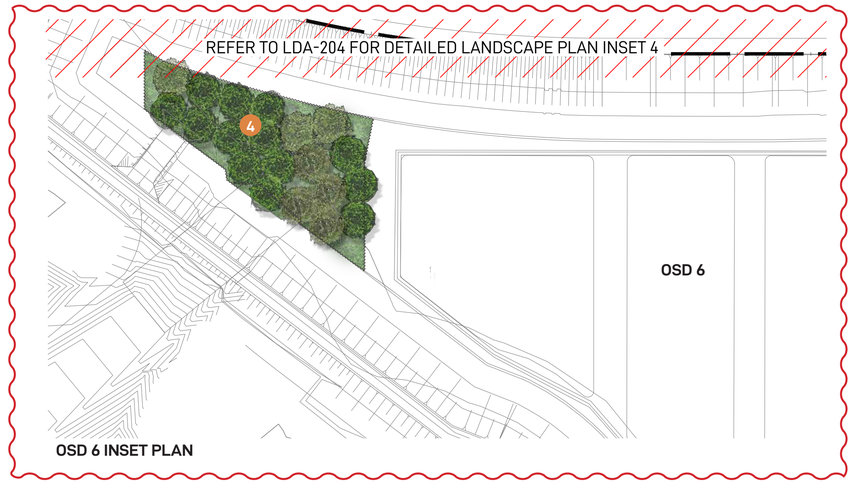
NORTH

SCALE 1:500 / A1

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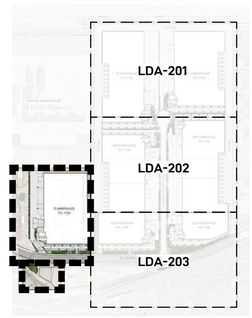
REV C





OSD 6 INSET PLAN

KEY PLAN - NOT TO SCALE



LEGEND

- FFL 17.00 — FINISHED FLOOR LEVEL
- RL 16.00 — PROPOSED SPOT LEVEL
- SITE BOUNDARY
- LINE OF AWNING ABOVE
- 2100MM HIGH PALISADE METAL PICKET FENCE TO ARCHITECT'S DETAILS
- 2400MM HIGH PVC COATED CHAINMESH FENCE TO ARCHITECT'S DETAILS
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DRAWING TITLE

DETAILED LANDSCAPE PLAN

INSET 4

DATE	JOB NUMBER	DRAWN	CHECKED
18-SEP-23	20230629		

LDA-204

PROJECT

MOOREBANK INTERMODAL PRECINCT, NSW 2170

NORTH

SCALE 1:500 / A1

0 5 10 15M

REV C

TREES


ANGOPHORA BAKERI


ANGOPHORA FLORIBUNDA


ANGOPHORA SUBVELUTINA

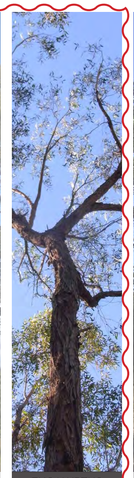

CALLISTEMON SALIGNUS


CORYMBIA MACULATA


EUCALYPTUS AMPLIFOLIA


EUCALYPTUS BAUERIANA


EUCALYPTUS CREBRA


EUCALYPTUS EUGENIOIDES


EUCALYPTUS MOLUCCANA


EUCALYPTUS PUNCTATA


EUCALYPTUS TERETICORNIS


MELALEUCA DECORA


WATERHOUSEA 'GREEN AVENUE'

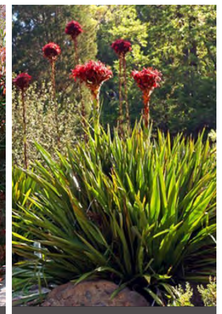
SHRUBS

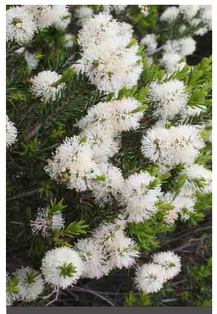

BANKSIA 'BIRTHDAY CANDLES'


CALLISTEMON 'ENDEAVOUR'


CALLISTEMON LINEARIS


CALLISTEMON 'RED ALERT'


DORYANTHES EXCELSA


MELALEUCA ERICIFOLIA


MELALEUCA NODOSA

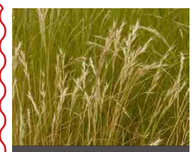

WESTRINGIA FRUTICOSA

GRASSES & GROUNDCOVERS


ANIGOZANTHOS FLAVIDUS


ARISTIDA RAMOSA


ARISTIDA VAGANS


AUSTRODANTHONIA RACEMOSA


CHRYSOCEPHALUM APICULATUM


DIANELLA CAERULEA


DIANELLA LONGIFOLIA

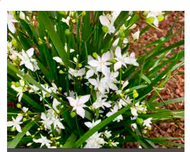

DICHONDRA REPENS

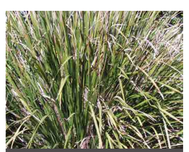

DICHOPOGON STRICTUS


GOODENIA HEDERACEA


GREVILLEA 'PROSTRATE GOLD'


HIBBERTIA DIFFUSA


LIBERTIA PANICULATA


LOMANDRA LONGIFOLIA


LOMANDRA HYSTRIX


POA LABILLARDIERI


MICROLAENA STIPOIDES


MYOPORUM 'YAREENA'

SORGHUM LEIOCLADUM

THEMEDA AUSTRALIS

WAHLENBERGIA GRACILIS

PLANT SCHEDULE

BOTANICAL NAME	NATIVE	HEIGHT	POT SIZE	SPACING
TREES				
ANGOPHORA BAKERI (NARROW-LEAVED APPLE)	✓	10-15M	100L	6M CENTRES
ANGOPHORA FLORIBUNDA (ROUGH-BARKED APPLE)	✓	15-20M	100L	6M CENTRES
CALLISTEMON SALIGNUS (WILLOW BOTTLEBRUSH)	✓	6-8M	100L	4M CENTRES
CORYMBIA MACULATA (SPOTTED GUM)	✓	15-20M	100L	6M CENTRES
EUCALYPTUS BAUERIANA (BLUE BOX)	✓	10-12M	100L	6M CENTRES
EUCALYPTUS MOLUCCANA (GREY BOX)	✓	15-20M	100L	6M CENTRES
EUCALYPTUS PUNCTATA (GREY GUM)	✓	10-15M	100L	6M CENTRES
EUCALYPTUS TERETICORNIS (FOREST RED GUM)	✓	15-25M	100L	6M CENTRES
MELALEUCA DECORA (WHITE FEATHER HONEYMYRTLE)	✓	7-10M	100L	4M CENTRES
WATERHOUSEA 'GREEN AVENUE'	✓	8-10M	100L	AS SHOWN
SHRUBS				
BANKSIA 'BIRTHDAY CANDLES'	✓	1M	300MM	800MM CENTRES
CALLISTEMON 'ENDEAVOUR'	✓	2M	300MM	800MM CENTRES
CALLISTEMON LINEARIS (NARROW-LEAVED BOTTLEBRUSH)	✓	1.5-2M	300MM	800MM CENTRES
CALLISTEMON 'RED ALERT'	✓	1-1.5M	300MM	800MM CENTRES
DORYANTHES EXCELSA (GYMEA LILY)	✓	1M	300MM	-
MELALEUCA ERICIFOLIA (SWAMP PAPERBARK)	✓	2-5M	300MM	800MM CENTRES
MELALEUCA NODOSA (PRICKLY LEAVED PAPERBARK)	✓	1-4M	300MM	800MM CENTRES
WESTRINGIA FRUTICOSA (COAST ROSEMARY)	✓	1.2M	300MM	650MM CENTRES
GRASSES AND GROUNDCOVERS				
ANIGOZANTHOS FLAVIDUS (KANGAROO PAW)	✓	0.5M	150MM	5 / SQM
AUSTRODANTHONIA RACEMOSA (SLENDER WALLABY GRASS)	✓	0.6M	150MM	5 / SQM
CHRYSOCEPHALUM APICULATUM (YELLOW BUTTONS)	✓	0.4M	150MM	5 / SQM
DIANELLA CAERULEA (BLUE FLAX LILY)	✓	0.8M	150MM	5 / SQM
DIANELLA LONGIFOLIA (BLUE FLAX LILY)	✓	0.8M	150MM	5 / SQM
DICHONDRA REPENS (KIDNEY WEED)	✓	0.3M	150MM	5 / SQM
DICHOPOGON STRICTUS (CHOCOLATE LILY)	✓	0.8M	150MM	6 / SQM
GOODENIA HEDERACEA (FOREST GOODENIA)	✓	0.8M	150MM	5 / SQM
GREVILLEA 'PROSTRATE GOLD'	✓	0.3M	150MM	4 / SQM
HIBBERTIA DIFFUSA (WEDGE GUINEA FLOWER)	✓	0.3M	150MM	5 / SQM
LIBERTIA PANICULATA (GRASS FLAG)	✓	0.6M	150MM	6 / SQM
LOMANDRA LONGIFOLIA (SPINY-HEAD MAT RUSH)	✓	1M	150MM	4 / SQM
LOMANDRA HYSTRIX (SPINY-HEAD MAT RUSH)	✓	1M	150MM	4 / SQM
MICROLAENA STIPOIDES (WEEPING GRASS)	✓	0.7M	150MM	7 / SQM
MYOPORUM 'YAREENA'	✓	0.3M	150MM	4 / SQM
POA LABILLARDIERI (TUSSOCK GRASS)	✓	1M	150MM	6 / SQM
THEMEDA AUSTRALIS (KANGAROO GRASS)	✓	0.5M	150MM	6 / SQM
WAHLENBERGIA GRACILIS (AUSTRALIAN BLUEBELL)	✓	0.8M	150MM	5 / SQM
OSD 6 PLANTING				
ANGOPHORA SUBVELUTINA (BROAD-LEAVED APPLE)	✓	20M	100L	6M CENTRES
EUCALYPTUS AMPLIFOLIA (CABBAGE GUM)	✓	30M	100L	6M CENTRES
EUCALYPTUS CREBRA (NARROW-LEAVED IRONBARK)	✓	35M	100L	6M CENTRES
EUCALYPTUS EUGENIOIDES (THIN-LEAVED STRINGYBARK)	✓	30M	100L	6M CENTRES
ARISTIDA RAMOSA (PURPLE WIRE GRASS)	✓	1.2M	150MM	5 / SQM
ARISTIDA VAGANS (THREEAWN SPEARGRASS)	✓	0.8M	150MM	5 / SQM
SORGHUM LEIOCLADUM (WILD SORGHUM)	✓	1M	150MM	5 / SQM

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A	04.08.23	DRAFT ISSUE FOR COORDINATION	■	■
B	07.09.23	ISSUE FOR COORDINATION	■	■
C	18.10.23	ISSUE FOR COORDINATION	■	■

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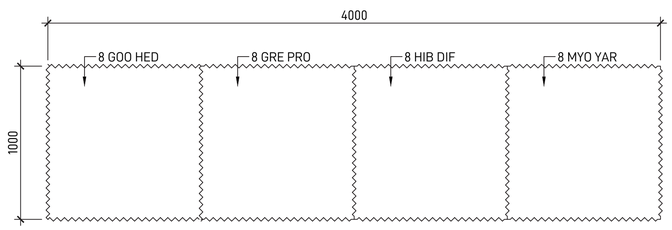
INDICATIVE PLANT PALETTE

DATE	JOB NUMBER	DRAWN	CHECKED	
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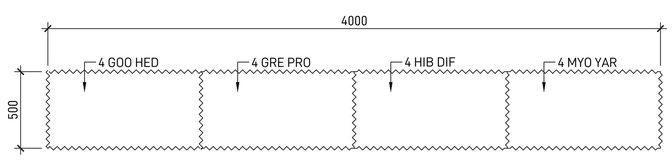
PROJECT

MOOREBANK INTERMODAL PRECINCT, NSW 2170

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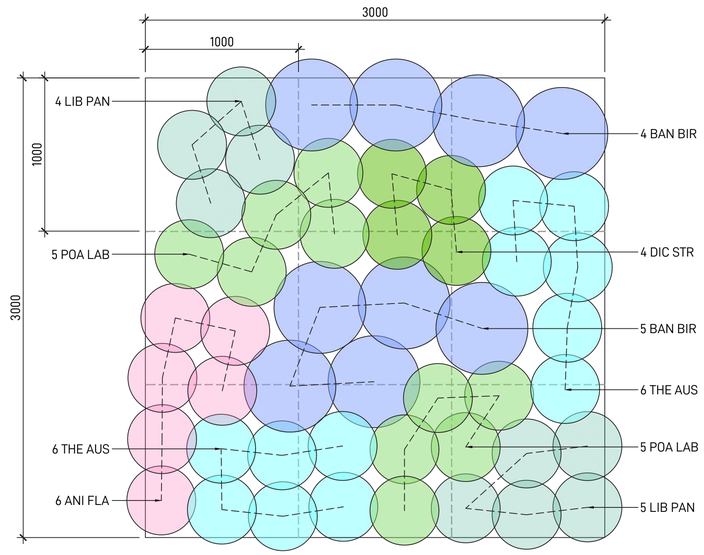


1000MM WIDE STRIP ARRANGEMENT



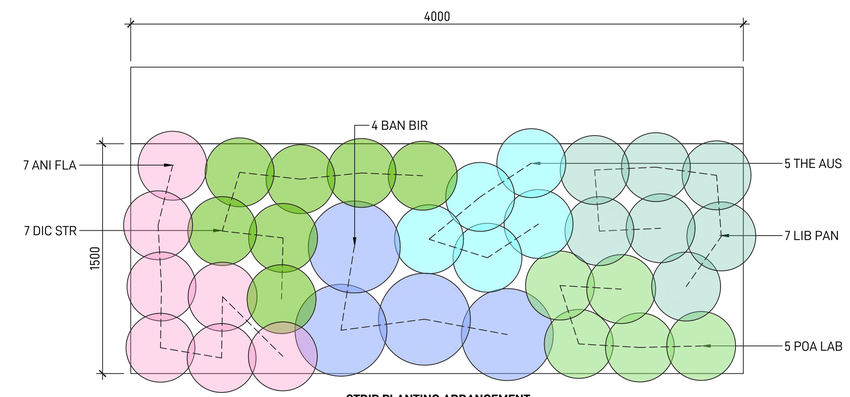
500MM WIDE STRIP ARRANGEMENT

1-1 PLANT MIX 1 - BORDER GROUNDCOVER PLANTING
TYPICAL PLANTING DETAIL - SCALE 1:20



MASS PLANTING ARRANGEMENT

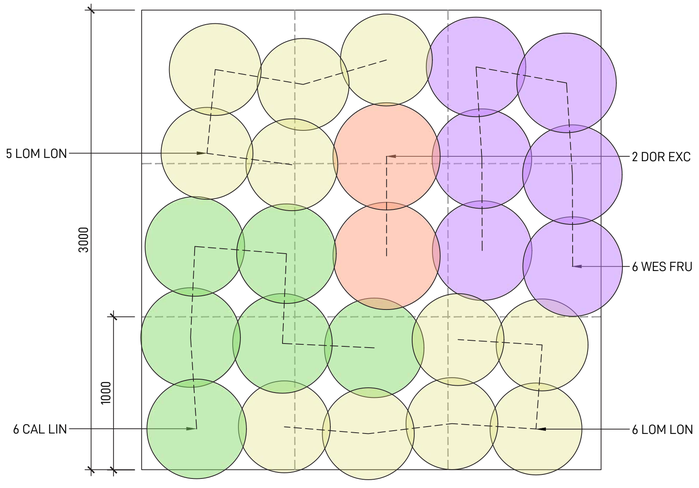
1-2 PLANT MIX 2 - LOW MASS PLANTING
TYPICAL PLANTING DETAIL - SCALE 1:20



STRIP PLANTING ARRANGEMENT

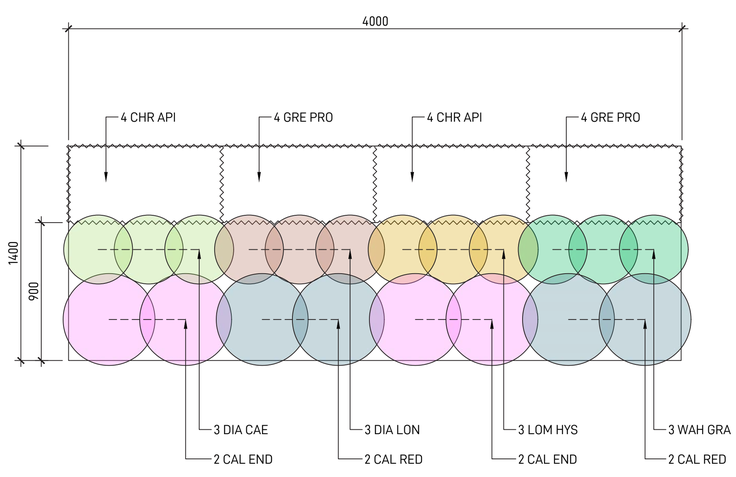
NOTE: PLANTING IS TO BE MIXED IN NATURE AS SHOWN IN DIAGRAM ABOVE WITH PLANTS OF THE SAME SPECIES CLUSTERED TOGETHER IN GROUPS OF 4-7. THIS DIAGRAM IS USED AS A TYPICAL TO CALCULATE THE PROPOSED PLANTING QUANTITY SHOWN IN THE DETAILED LANDSCAPE PLANS.

PLANT MIX 2



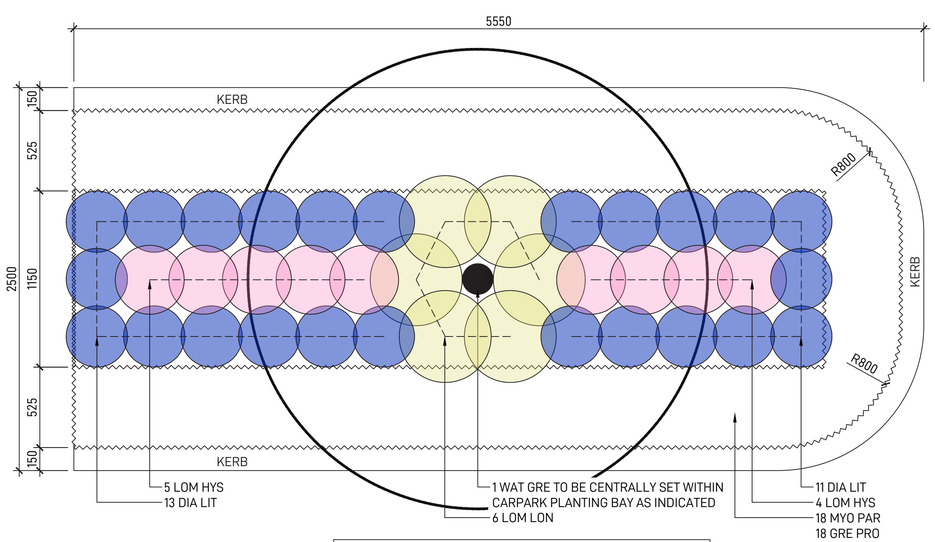
NOTE: PLANTING IS TO BE MIXED IN NATURE AS SHOWN IN DIAGRAM ABOVE WITH PLANTS OF THE SAME SPECIES CLUSTERED TOGETHER IN GROUPS OF 4-7 (ONLY 2 DOR EXC EVERY 9M^2). THIS 3000 X 3000 DIAGRAM IS USED AS A TYPICAL TO CALCULATE THE PROPOSED PLANTING QUANTITY SHOWN IN THE DETAILED LANDSCAPE PLANS.

1-3 PLANT MIX 3 - MIXED MASS PLANTING
TYPICAL PLANTING DETAIL - SCALE 1:20



NOTE: PLANTING IS TO BE LAYERED AS SHOWN IN DIAGRAM ABOVE. GROUNDCOVERS ARE TO BE POSITIONED IN FRONT OF CARPARK/HARDSTAND TO DEMONSTRATE THE LAYERING EFFECT

1-4 PLANT MIX 4 - CARPARK STRIP PLANTING
TYPICAL PLANTING DETAIL - SCALE 1:20



NOTE: PLANTING IS TO BE LAYERED AS SHOWN IN DIAGRAM ABOVE. GROUNDCOVERS ARE TO BE POSITIONED IN FRONT OF CARPARK/HARDSTAND TO DEMONSTRATE THE LAYERING EFFECT

1-5 PLANT MIX TYPE 5 - CARPARK BAY PLANTING
TYPICAL PLANTING DETAIL - SCALE 1:20

NOTE: REFER TO DETAILED LANDSCAPE PLAN IN DRAWING LDA-200 SERIES FOR APPLICATION OF THESE PLANT MATRIX
REFER TO PLANT SCHEDULE IN DRAWING LDA-301 FOR PLANT NAMES, POT SIZE AND SPACING
CONTRACTOR TO ENSURE PLANT INSTALLATION IS AS PER PLANT MATRIC DETAILED IN THIS DRAWING

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A	04.08.23	DRAFT ISSUE FOR COORDINATION	[redacted]	[redacted]L
B	07.09.23	ISSUE FOR COORDINATION	[redacted]	[redacted]L
C	18.10.23	ISSUE FOR COORDINATION	[redacted]	[redacted]

DRAWING TITLE

LANDSCAPE DETAILS 1
PLANT MATRIX

DATE	JOB NUMBER	DRAWN	CHECKED	
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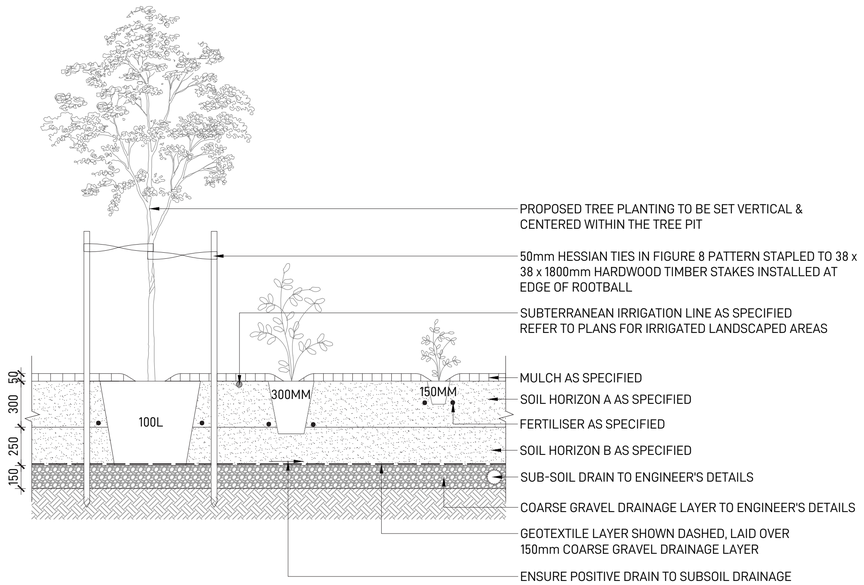
PROJECT

MOOREBANK INTERMODAL PRECINCT, NSW 2170

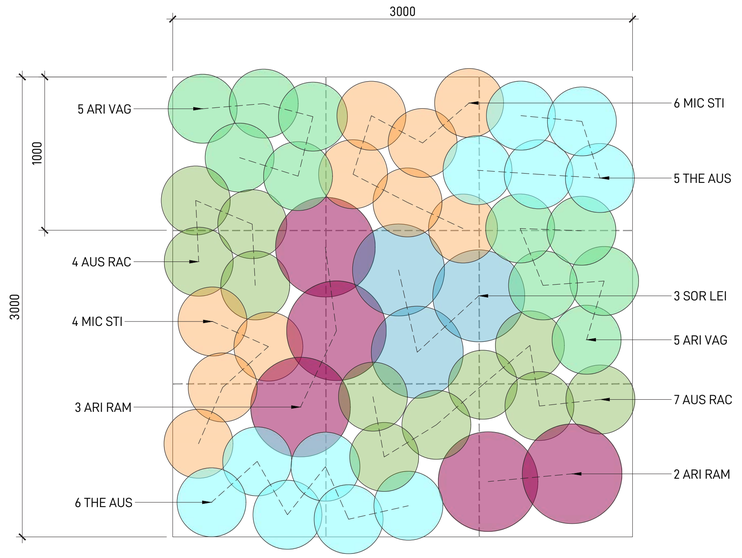
SCALE 1:20 / A1 REV C

0 0.2 0.4 0.6M

TYPICAL LANDSCAPE DETAILS



2-1 MASS PLANTING IN NATURAL GROUND
TYPICAL SECTION - SCALE 1:20



NOTE: PLANTING IS TO BE MIXED IN NATURE AS SHOWN IN DIAGRAM ABOVE WITH PLANTS OF THE SAME SPECIES CLUSTERED TOGETHER IN GROUPS OF 4-7. THIS 3000 X 3000 DIAGRAM IS USED AS A TYPICAL TO CALCULATE THE PROPOSED PLANTING QUANTITY SHOWN IN THE DETAILED LANDSCAPE PLANS.

2-2 PLANT MIX TYPE 6 - OSD MASS PLANTING
TYPICAL PLANTING DETAIL - SCALE 1:20

LANDSCAPE MAINTENANCE SCHEDULE

LANDSCAPE MAINTENANCE SCHEDULE

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
INSPECTIONS	2M		2M		2M		2M		2M		2M	
WATERING	W	W	W	W	W	W	W	W	W	W	W	W
WEED AND PEST MANAGEMENT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
LITTER REMOVAL	2M		2M		2M		2M		2M		2M	
REMOVAL OF DEAD/DYING TREE LIMBS	2M		2M		2M		2M		2M		2M	
PLANT REPLACEMENT IF REQUIRED	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
MULCHING	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
TREE STAKE ADJUSTMENTS	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
FERTILISING	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
PLANTING ESTABLISHMENT PERIOD - 12 MONTHS												
LANDSCAPE MATERIAL ESTABLISHMENT - 12 MONTHS												
KEY W-WEEKLY, 2M- EVERY TWO MONTHS, AR- AS REQUIRED												
THE CONTRACTOR IS TO ALLOW 52 WEEKS PLANTING ESTABLISHMENT PERIOD FROM THE DATE OF PRACTICAL COMPLETION. CONTRACTOR TO MAINTAIN A LOG BOOK TO KEEP A RECORD OF MAINTENANCE EVERY MONTH. REPLACEMENTS OF FAILED, DAMAGED OR STOLEN PLANTS TO BE CARRIED OUT DURING THE MAINTENANCE PERIOD. IRRIGATION SYSTEMS TO BE INSTALLED AND MAINTAINED DURING THE MAINTENANCE PERIOD. LANDSCAPE MAINTENANCE REPORT SHALL BE SUBMITTED TO THE PRINCIPLE CERTIFYING AUTHORITY BY THE CONTRACTOR.												

OUTLINE LANDSCAPE SPECIFICATION

GENERAL
MAINTENANCE SHALL MEAN THE CARE AND MAINTENANCE OF THE LANDSCAPE WORKS BY ACCEPTED HORTICULTURAL PRACTICE AS RECTIFYING ANY DEFECTS THAT BECOME APPARENT IN THE LANDSCAPE WORKS UNDER NORMAL USE. THE LANDSCAPE CONTRACTOR SHALL ATTEND THE SITE ON A WEEKLY BASIS TO MAINTAIN THE LANDSCAPE WORKS FOR THE FULL TERM APPROVED AT CC STAGE OF THE MAINTENANCE PERIOD (COMMENCING FROM PRACTICAL COMPLETION).

RUBBISH REMOVAL
DURING THE TERM OF THE MAINTENANCE PERIOD THE LANDSCAPE CONTRACTOR SHALL UNDERTAKE RUBBISH REMOVAL FROM THE SITE ON A WEEKLY BASIS TO ENSURE THE SITE REMAINS IN TIDY CONDITION.

WEED ERADICATION
WEED GROWTH THAT MAY OCCUR IN, PLANTED OR MULCHED AREAS IS TO BE REMOVED USING ENVIRONMENTALLY ACCEPTABLE METHODS I.E. NON-RESIDUAL GLYPHOSATE HERBICIDE, (E.G. 'ROUNDUP', APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS) OR HAND WEEDING.

TREE REPLACEMENT
TREES SHALL SHOW SIGNS OF HEALTHY VIGOROUS GROWTH AND BE FREE FROM DISEASE AND NOT EXHIBIT SIGNS OF STRESS PRIOR TO HANDOVER TO THE CLIENT. ANY TREES OR PLANT THAT DIE OR FAIL TO THRIVE, OR ARE DAMAGED OR STOLEN WILL BE REPLACED. REPLACEMENT MATERIAL SHALL HAVE THE MAINTENANCE PERIOD EXTENDED IN ACCORDANCE WITH THE LANDSCAPE CONTRACT CONDITIONS. TREES AND PLANT MATERIALS SHALL BE EQUAL TO THE MINIMUM REQUIREMENTS OF SPECIES SPECIFIED AND APPROVED MATERIAL DELIVERED TO SITE. SHOULD THE CONDITION DECLINE FROM THE APPROVED SAMPLE THE SUPERINTENDENT RESERVES THE RIGHT TO REJECT THE TREE / PLANTS.
FREQUENCY: AS REQUIRED.

PRUNING
SELECTIVE PRUNING MAY BE REQUIRED DURING THE ESTABLISHMENT PERIOD TO PROMOTE A BALANCED CANOPY STRUCTURE. THESE ACTIVITIES SHALL BE CARRIED OUT TO THE BEST HORTICULTURAL AND INDUSTRY PRACTICE. ALL PRUNED MATERIAL IS TO BE REMOVED FROM SITE.

IRRIGATION
A LOW VOLUME DRIP IRRIGATION SYSTEM MAY BE INSTALLED AT THE DISCRETION OF THE DEVELOPER. POSITION OF CONTROL BOX, SOLENOIDS AND IRRIGATION CONDUITS TO BE DESIGNED BY QUALIFIED IRRIGATION ENGINEER AT CC STAGE. CONTROLLERS SHALL BE MOUNTED ON A STABLE WALL, POWER RACK, OR FORMED AND CONSTRUCTED CONCRETE BASED PEDESTAL MOUNT. PERFORMANCE SPECIFICATION TO BE PROVIDED BY LANDSCAPE ARCHITECT, NOMINALLY 25MM DELIVERED TO PLANT AREAS EACH WEEK DURING ESTABLISHMENT (DEPENDING ON WEATHER CONDITIONS). AFTER ESTABLISHMENT, IRRIGATION RATES CAN BE DECREASED IN CERTAIN AREAS OF THE LANDSCAPE DEPENDING ON THE SPECIES.

WATERING
IMPLEMENT AN APPROPRIATE HAND WATERING REGIME TO MAINTAIN PLANT HEALTH AND VIGOUR. THE PROGRAM SHALL REFLECT SEASONAL CONDITIONS AND PLANT SPECIES.
FREQUENCY: WEEKLY OR AS REQUIRED.

DRAINAGE
ALL LANDSCAPE AREAS ARE TO HAVE POSITIVE DRAINAGE TO SW SYSTEMS. IF AREAS OF POOR DRAINAGE ARE IDENTIFIED ON SITE THEN THIS SHOULD BE BROUGHT TO THE SITE SUPERINTENDENTS ATTENTION. INSTALL AGG LINES IF REQUIRED.

SOILS
HORIZON A - GARDEN BEDS ON NATURAL GROUND
A SANDY LOAM TO CLAY LOAM TOPSOIL MIX DESIGNED FOR GENERAL PURPOSE, ON-GRADE LANDSCAPE GARDEN BED PLANTING OF GRASSES, WOODY AND HERBACEOUS ANNUALS AND PERENNIALS THAT HAVE HIGH NUTRIENT REQUIREMENT FOR SUSTAINED OPTIMUM GROWTH, AND ARE NOT SUBJECT TO COMPACTION BY PEDESTRIAN AND OTHER FOOT TRAFFIC. HEAVIER TEXTURED SOILS IN THIS SPECIFICATION MAY REQUIRE ENGINEERED SOLUTIONS WHERE EXCESSIVE WETNESS IS ANTICIPATED. NOTE THAT ORGANIC SOIL VARIANT SHOULD NOT BE CHOSEN FOR LOW PLANTINGS AND SHOULD NOT BE USED BELOW 300MM. PLANTING METHODS INCLUDE DIRECT SEEDING, TUBE AND POTTED SPECIMENS UP TO 45L

HORIZON B - LARGER POTTED PLANTING BELOW 300MM
A SANDY, WELL DRAINED MEDIUM WITH LOW ORGANIC MATTER FOR BACKFILLING BELOW 300MM FROM THE SURFACE IN LARGER POTTED SPECIMENS OVER 45L OR 400MM DEPTH OF ROOT BALL, SEMI-ADVANCED, ADVANCED AND SUPER ADVANCED TREE PLANTING. THE SPECIFICATION MAY USE A SMALL PROPORTION OF SITE WON TOPSOIL OR SUBSOIL, PROVIDED THE ORGANIC MATTER UPPER LIMIT IS NOT EXCEEDED.

CULTIVATION
ALL GARDEN BEDS TO BE CULTIVATED TO A MIN DEPTH OF 150MM AND TREE PITS TO THE DEPTH OF THE ROOT BALL ONLY. IF ADDITIVES SUCH AS GYPSUM ARE REQUIRED CONDUCT THIS AFTER CULTIVATION INTO THE TOP 100MM OF SOIL.

PLANTING
ALL PLANTING TO BE GROWN TO NATSPEC SPECIFICATIONS. CONTRACTOR TO PREPARE SITE FOR PLANTING INCLUDING WATERING, HANDLING, SETTING OUT AND EXCAVATION. EXCAVATE A HOLE FOR EACH PLANT LARGE ENOUGH TO PROVIDE NOT LESS THAN 100MM ALL AROUND THE ROOT SYSTEM OF THE PLANT. FOR TREE PLANTING EACH HOLE SHALL BE DUG WITH A SHOVEL, BACKHOE OR SIMILAR TOOL. INDIVIDUAL HOLES SHALL BE EXCAVATED TO ALLOW ROOT SYSTEM TO SIT FLAT ON THE EXCAVATED HOLE AND 400MM TO EACH SIDE OF THE ROOT SYSTEM. BACKFILL PLANTING HOLES WITH EXISTING SITE SOIL AND TOPSOIL AS DESCRIBED IN SECTION 'SOIL', PLANT / TREE SHALL BE SET PLUMB, WITH THE ROOT BALL SET SLIGHTLY BELOW THE FINAL SOIL LEVEL.

MULCHING
THE LANDSCAPE CONTRACTOR SHALL SUPPLY AND INSTALL 10MM PINE BARK MULCH TO ALL GARDEN BEDS SHOWN ON THE LANDSCAPE PLANS, TO A MINIMUM DEPTH OF 75MM. ALL MULCH IS TO BE FREE OF DELETERIOUS MATTER SUCH AS SOIL, WEEDS AND STICKS. MULCHED SURFACES ARE TO BE KEPT CLEAN AND TIDY AND FREE OF ANY DELETERIOUS MATERIAL AND FOREIGN MATTER. REINSTATE DEPTHS TO A UNIFORM LEVEL OF 75MM WITH MULCH AS SPECIFIED, MULCH TO BE FREE OF ANY WOOD MATERIAL IMPREGNATED WITH CCA OR SIMILAR TOXIC TREATMENT. MAINTAIN WATERING RINGS AROUND TREES. TOP UP MULCH LEVELS PRIOR TO HANDOVER TO CLIENT.

PEST AND DISEASE CONTROL
THE LANDSCAPE CONTRACTOR SHALL SPRAY FOR PESTS AND DISEASE INFESTATIONS WHEN THE PEST AND FUNGAL ATTACK HAS BEEN POSITIVELY IDENTIFIED AND WHEN THEIR POPULATIONS HAVE INCREASED TO A POINT THAT WILL BECOME DETRIMENTAL TO PLANT GROWTH. APPLY ALL PESTICIDES TO MANUFACTURER'S DIRECTIONS.
FREQUENCY: WEEKLY INSPECTION

FERTILISING
PELLETS SHALL BE IN THE FORM INTENDED TO UNIFORMLY RELEASE PLANT FOOD ELEMENTS FOR A PERIOD OF APPROXIMATELY NINE MONTHS EQUAL TO SHIRLEYS KOKEI PELLETS, ANALYSIS 6.3:1.8:2.9 OR SIMILAR APPROVED. KOKEI PELLETS SHALL BE PLACED AT THE TIME OF PLANTING TO THE BASE OF THE PLANT, 50MM MINIMUM FROM THE ROOT BALL AT A RATE OF TWO PELLETS PER 300MM OF TOP GROWTH TO A MAXIMUM OF 8 PELLETS PER TREE. GENERALLY CHECK FOR SIGNS OF NUTRIENT DEFICIENCIES (YELLOWING OF LEAVES, FAILURE TO THRIVE), AND ADAPT FERTILISER REGIME TO SUIT. FERTILISER SHOULD BE APPLIED AT THE BEGINNING AND THE END OF THE (SUMMER) GROWING SEASON.

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DRAWING TITLE
LANDSCAPE DETAILS 2
SOFTSCAPE

DATE	JOB NUMBER	DRAWN	CHECKED	
18-SEP-23	20230629			LDA-402

PROJECT
MOOREBANK INTERMODAL PRECINCT, NSW 2170

SCALE 1:20 / A1 — REV C
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