

LANDSCAPE MANAGEMENT PLAN

**Bombala Sawmill Project
September 2021**



Dongwha Australia - 1 Sandy Lane, Po Box 146,
Bombala NSW 2632. Australia
Tel. 02 6459 5555 Fax. 02 6458 3756
www.dongwha.com.au

DOCUMENT CONTROL

Title	Landscape Management Plan			
Description	A plan for the implementation, management and monitoring of landscaped areas at the facility in accordance with Schedule 3, Condition 38 and 38A of Project Approval MP07_0161 (MOD4).			
Created By	Dongwha Australia			
Date Created	10 February 2012			
Version Number	Modified By	Modifications Made	Date Modified	Status
Revision 1	DWAU	First issue	10/02/2012	Approved
Revision 2	DWAU	Updated in response to order issued on 13/10/2017.	18/12/2017	Approved
Revision 3	DWAU	Updated following removal of historical residue stockpiles	01/03/2019	Approved
Revision 4-A	DWAU	Additional plantings of native trees and shrubs	30/11/2020	Draft for approval
Revision 4-B	DWAU	Revised as per DPIE email	18/05/2021	Revised draft for approval
Revision 4	Benbow Environmental	Revised to address DPIE comments	27/10/2021	For approval



Dongwha Australia - 1 Sandy Lane, Po Box 146,
Bombala NSW 2632. Australia
Tel. 02 6459 5555 Fax. 02 6458 3756
www.dongwha.com.au

Contents	Page
1. INTRODUCTION	1
1.1 Background	2
1.1.1 Consultation	2
1.2 Purpose and Objectives	2
1.2.1 Objectives	2
1.2.2 Targets	2
1.3 Areas to which this Plan Applies	3
2. GENERAL SITE CONDITIONS	5
2.1.1 Site Location	5
2.1.2 Soils	5
3. LANDSCAPING HISTORY AND CURRENT STATUS	6
3.1 Approved Landscape Plan 2011	6
3.2 Rehabilitated Residue Area	6
3.2.1 Drainage	6
3.2.2 Revegetation	8
3.2.3 Replanting	9
3.2.4 Views	9
3.3 Planting Species	11
4. MAINTENANCE PLAN	13

Tables	Page
Table 1-1: Project Approval MP07_0161 (MOD4) – Schedule 3, Conditions 38 and 38A	1
Table 3-1: Plant Species for East and South Berms	12

Figures	Page
Figure 2-1: Indicative location of landscape areas	4

Appendices

Appendix 1: Approved Landscape Plans
Appendix 2: Revegetation Report

GLOSSARY AND ABBREVIATIONS

AMMAAP	Approved Methods for the Modelling and Assessment of Air Pollutants in NSW
BOM	Bureau of Meteorology
DWAU	Dongwha Australia
DPIE	Department of Planning, Industry and Environment
ECO	Emergency Control Organisation
EMS	Environmental Management Strategy
EPA	Environment Protection Authority
EPC	Emergency Planning Committee
EPL	Environment Protection Licence
NGER	National Greenhouse and Energy Reporting
NPI	National Pollutant Inventory
NRC	Natural Resources Commission
NOW	New South Wales Office of Water
NSW	New South Wales
OSD	On-site detention
PIRMP	Pollution Incident Response Management Plan
PM ₁₀	Particulate matter of size 10 µm
RAP	Remediation Action Plan
RNP	NSW EPA Road Noise Policy
SEPP	State Environmental Planning Policy
WHS	Work, Health and Safety

1. INTRODUCTION

Dongwha Australia Pty Ltd (DWAU) operates a sawmill at Sandy Lane, Bombala. The site is the subject of a Project Approval MP07_0161 (MOD4) issued by the NSW Government Department of Planning.

The development sources plantation softwood from the area around Bombala and processes the lumber into a range of treated and untreated products for supply to the domestic market. The site has been used for this purpose since 1979.

This Landscape Management Plan (LMP) focusses on the implementation, management and monitoring of landscaped areas at the facility and has been prepared in accordance with Schedule 3, Condition 38 and 38A in schedule 3 of the Project Approval.

The conditions for the plan is reproduced in Table 1-1:

Table 1-1: Project Approval MP07_0161 (MOD4) – Schedule 3, Conditions 38 and 38A

Condition	Section of Document Addressing Condition
38. The Proponent must prepare and implement a Landscape Management Plan for the project. The plan must:	
(a) be prepared in consultation with Council and approved by the Secretary prior to the commencement of building works on Zone 3;	Section 1.1
(b) illustrate the location, species and mature heights of plants to be established on site;	Section 3.2.3 Appendix 1
(c) illustrate how the landscaping would minimise views of the site;	Section 3.2.4
(d) use endemic species only in the landscaping, ensuring seed and propagule sources are from local botanical provenance;	Section 3.2.3
(e) provide a timetable for the implementation of the plan; and	Complete
(f) provide for the maintenance of the landscaping.	Section 4
38A. Within 12 months of the approval of MOD 2, the Landscape Management Plan (required under Condition 38 and approved on 10 February 2012) shall be updated to the satisfaction of the Secretary in consultation with the EPA. The updated plan shall include:	
(a) measures to ensure that the final landform of the Rear Stockpile area is free draining;	Section 3.2.1
(b) details on the revegetation of the Rear Stockpile area with native species and its integration into the surrounding landscape,	Section 3.2
(c) measures that would be put in place to ensure sufficient resources are available to implement the proposed rehabilitation measures, and the ongoing management of the vegetation following the complete removal of the Rear Stockpile; and	Rehabilitation measures complete. Ongoing maintenance plan implemented in Section 4
(d) the timing for the implementation of the above works including a maintenance schedule.	Complete Section 4

1.1 BACKGROUND

The Environmental Assessment (EA) assessed the impacts of the Project on visual amenity. The original project approval issued by DP&E detailed the requirements of the LMP. Prior to the commencement of DWAU operation, a Landscape management plan was prepared and submitted to the Department of planning (Revision 1) which was approved on 10 February 2012.

An order was issued to DWAU under section **121B of the Environmental Planning and Assessment Act 1979**. The order was served on 13th October 2017. Term 1 of the order required DWAU to “prepare and submit an updated Landscape Management Plan to the Secretary” indicating that following issue of MOD2, an updated LMP was required by July 2016 as per Condition 38 in schedule 3. DWAU submitted the updated Landscape management plan 2018 (Revision 2) which addressed all conditions.

The LMP was updated (Revision 3) again following the removal of the historical residue stockpiles in 2019. This included additional plantings of native trees and shrubs.

Revisions 4 and 5 of the LMP were updated by DWAU in draft form and submitted to the DPIE. In September 2021, DWAU engaged Benbow Environmental to update the LMP in accordance with DPIE feedback. This report forms Revision 6 of the LMP.

1.1.1 Consultation

Consultation for the previous versions of the plan was undertaken with Snowy Monaro Regional Council (SRMC). Feedback from Council would be included in future revisions as required.

1.2 PURPOSE AND OBJECTIVES

The purpose of this plan is to describe how DWAU manages the landscaping of the site.

1.2.1 Objectives

The key objectives of the landscape management plan is to ensure the landscaping of the site is done in accordance with conditions of the planning approval.

To achieve this objective, DWAU will:

- Facilitate consultation with council and the DPIE regarding landscaping of the project.
- Ensure appropriate planning, controls and procedures are implemented during the updating of the preparation and completion of the landscape area.
- Ensure appropriate measures are implemented to address the CoA
- Ensure appropriate measures are implemented to comply with all relevant legislation.

1.2.2 Targets

- Ensure landscaping is undertaken and maintained in accordance with approved landscape plans.
- Implement weed control strategies once plantings are established.
- Ensure dust is controlled effectively in landscaped areas.

- Ensure that the landscaping is effectively maintained throughout the operation of the site.

1.3 AREAS TO WHICH THIS PLAN APPLIES

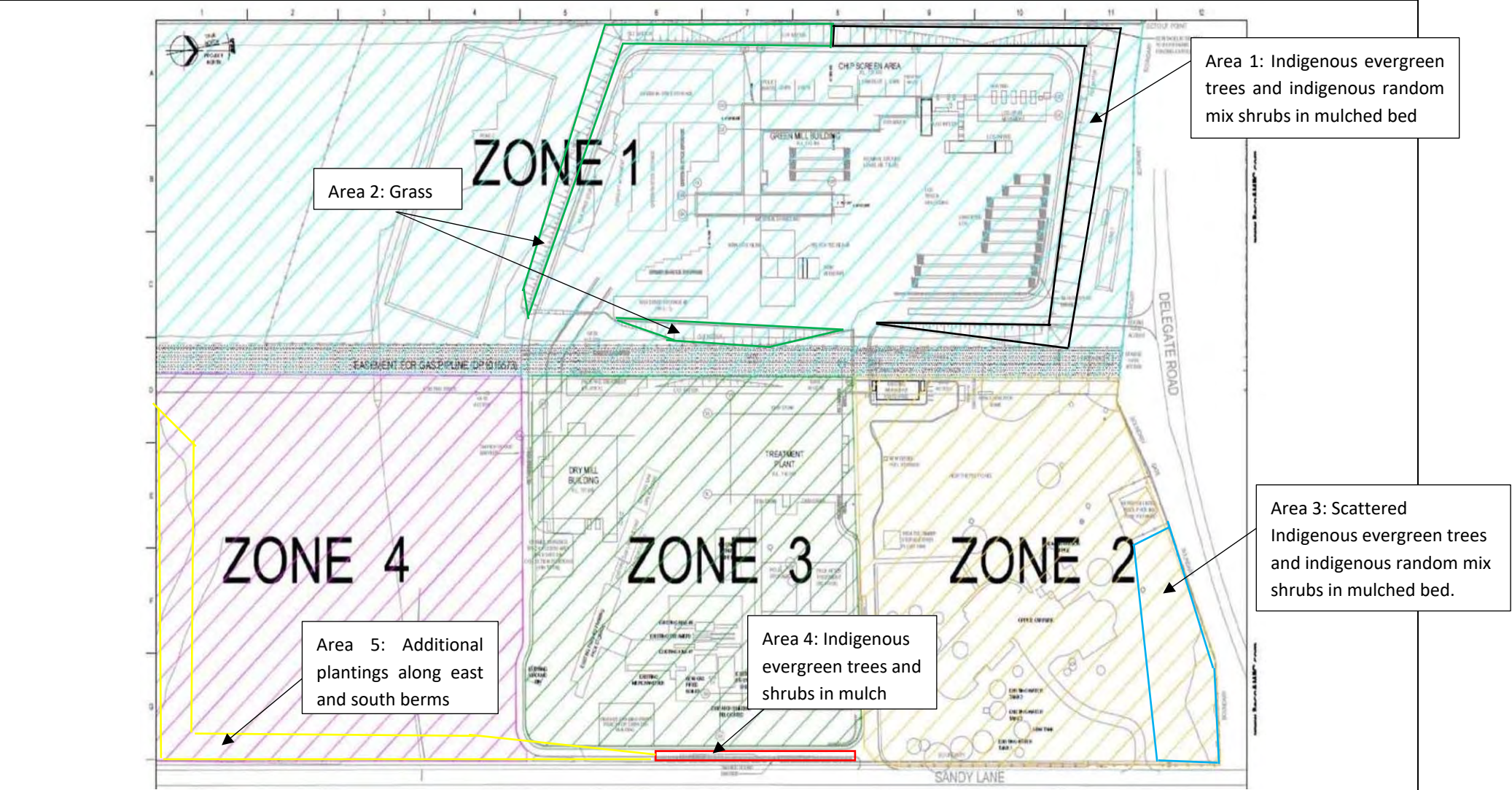
This plan applies to the following areas within the site boundary, including:

- Area 1: Plantings of shrubs and trees along the northern boundary along Delegate Road adjacent to Pond 1.
- Area 2: Grassed area along the western site boundary and adjacent to Pond 2.
- Area 3: Plantings on the corner of Sandy Lane and Delegate Road adjacent to the Front Office.
- Area 4: Plantings along the eastern site boundary along Sandy Lane.
- Area 5: Plantings along the site boundary of the rehabilitated legacy residue area including east berm along Sandy Land and south berm along Wedmore Road.

Areas 1 to 4 relate to the approved landscape plan associated with the original project approval and provided as Appendix 1. Area 5 relates to the rehabilitated area that previously held the residue stockpiles that were removed in 2018.

The indicative location of the landscaped areas listed above are shown in the Zone plan below. Reference to Appendix 1 – Approved Landscape Plans should be made for details in relation to Areas 1 to 4.

Figure 1-1: Indicative location of landscape areas



Source: Beca AMEC Limited

 Not to scale	LEGEND:	 Benbow Environmental 25-27 Sherwood Street, Northmead NSW 2152
---	----------------	---

2. GENERAL SITE CONDITIONS

2.1.1 Site Location

The site is approximately 37 hectares and is located approximately 2 km from the small town of Bombala in the south-east of New South Wales. The site is bound by Delegate Road to the north, Sandy Lane to the east and Wedmore Road to the south.

2.1.2 Soils

Previous geological survey indicates that the site is located on Tertiary Age fluvial sands, grits and lacustrine clays, apart from the northern portion of the site which is located on late Silurian Aged Bukalong Suite Granite, which comprises biotite granite and adamellite. The soil at the site comprises various sands, silts and clay consistent with river and lake sediments.

3. LANDSCAPING HISTORY AND CURRENT STATUS

3.1 APPROVED LANDSCAPE PLAN 2011

100% of plantings of indigenous trees and shrubs is complete in accordance with the approved plan (Appendix 1). This was completed in 2012.

Establishment of the grassed areas identified in sheet 2 of the approved landscape management plan (Appendix 1) was problematic due to erratic seasonal conditions. The area is currently stable and has not present any discernible risks. No further action is proposed for this area at this stage.

Maintenance of the existing tree stock has been undertaken in accordance with the approved plan.

3.2 REHABILITATED RESIDUE AREA

In response to the order issued by NSW department of planning on 13th October 2017, DWAU was tasked to clear the entire residue of historical stockpile area by 31 January 2018. This was completed. With the removal of the historical stockpile material removal, the landform of the area was shaped to direct all the surface water flow southwards into the onsite surface water drainage system. The surface water drainage system was also enhanced to produce improved environmental outcomes.

3.2.1 Drainage

The construction of surface drainage system was also completed in January 2018. This work has aided the landform of the area which has been shaped to direct all surface water flow southward into the existing surface drainage system. Management of runoff from this area within the existing drainage system will improve environmental performance as the water is reused on site.

The earth berm area was also converted from hardstand into a densely vegetated stands of trees, shrubs with understory plantings and mulching. This has helped to reduce the quantity of runoff.

The following photographs show the drainage area from the plantation embankment.

Photograph 1:



Photograph 2:



Photograph 3:**Photograph 4:**

3.2.2 Revegetation

DWAU completed revegetation of the Rear stockpile area in 2020 consistent with the themes established on site by previous works. These plantings have provided linkages to the established vegetation both on and off site and assisted in blending the entire site into the broader landscape. In order to maximize the effect of planting and their associated benefits such as noise and dust

suppression, DWAU has also established a berm along the planting area next to the Sandy Lane frontage.

After the establishment of the berm, the elevated area was treated and planted with native tree and understory species selected from the schedule shown in Table 3-1 to treat the Sandy Lane / Wedmore Road frontage. Planting densities has also matched those of Delegate road frontage.

The effectiveness of this berm has been recognized by the adjacent landholders and greater long term benefits have been anticipated in future.

3.2.3 Replanting

Upon internal review of the plantings, 10 % of the plants were lost. Monaro Native Tree Nursery was engaged to undertake an inspection and provide advice. Considerable loss of plants was found to be a result of lack of soil when the plants were originally planted and the area had a high quantity of sawdust and pine chips.

Two options were provided:

- If DWAU wants to replant, consideration must be given to the lack of soils. If the soil is introduced to individual holes in the heavy sawdust areas, this should give the plant a chance to get its root established and push through the sawdust.
- Alternatively, replant again and maintain the watering regime.

DWAU opted for the latter option. On 28th February 2020, the nursery was engaged to do the replanting. They identified dead trees, replanted trees, erected guards, added fertilizer tablets and removed guards for established plants. In total, 140 trees were replanted.

After this implementation, the ground staff consistently watered the area. Rain and cold weather over the following months helped the plants to grow further.

3.2.4 Views

Once fully established, the plantings would minimise views of the site. The following photographs show the recent plantings along the east and south berms on Sandy Lane and Wedmore Road. Ongoing maintenance of this revegetated area would ensure growth of the plantings, providing a visual screen from the adjoining properties.

Photographs 5 to 8: Recent Plantings along the east and south berms on Sandy Land and Wedmore Road.





3.3 PLANTING SPECIES

Following the order issued by DP&E on 13 October 2017 to DWAU, the plantings were introduced in the below mentioned locations.

AREA ID	GENERAL LOCATION	Length (m)
East Berm	East along Sandy Lane	200
South Berm	South along Wedmore Road	200

Plant species planted on east berm and south berm as approved (Sandy Lane and Wedmore Road Frontage) are listed in the following table.

Table 3-1: Plant Species for East and South Berms

Code	Botanical Name	Common Name	Mature Height	Mature Width	Spacing	Percent	Plant Numbers
1	Bursaria spinosa	Sweet Bursaria	5m	3m	3m	5	30
2	Acacia melanoxylon	Blackwood	15m	6m	4m	2	12
3	Euc. dalrympleana	Mountain Gum	25m	10m	4m	2	12
4	Euc. viminalis	E. Viminalis	25m	10m	4m	2	12
5	Euc. mannifera	Brittle Gum	25m	10m	4m	2	12
6	Euc. pauciflora	Snow Gum	15m	7m	4m	2	12
7	Euc. stellulata	Black Sally	15m	7m	4m	2	12
8	Correa decumbens	Spreading correa	.3m	1.5m	1.5m	5	30
9	Grev. australis	Alpine Grevillea	.3m	.5m	.5m	5	30
10	Olearia phlogopappa	Alpine Daisy Bush	1m	.5m	.5m	5	30
11	Prostanthera rotundifolia	Round-leaved mint bush	1.5m	1m	1m	10	60
12	Tasmanian lanceolata	Mountain Pepper	2m	1m	1m	8	48
13	Callistamon sieberi	River bottlebrush	2m	1.5m	1.5m	10	60
14	Cassinia longifolia	Shiny Cassinia	1m	1m	1m	10	60
15	smoothe correa	Correa Glabra	3m	1.5m	1.5m	10	60
16	Hakea microcarpa	Mountain needle wood	1m	1m	1m	10	60
17	Leptospermum grandifolium	Mountain tea-tree	4m	2m	1.5 m	5	30
18	Leptospermum lanigerum	Wooly tea-tree	4m	2m	1.5m	5	30

These plant numbers may contain a contingency of 10% to allow for mortality.

4. MAINTENANCE PLAN

The maintenance plan is as follows:

Action	By Whom	Frequency	Internal Review Date
Watering of plantings	Grounds staff	Monthly inspection, act as necessary	First week of each month
Inspecting/repairing guarding	Grounds staff	Six monthly	January / June 2022
Disease and weed inspection	Specialist contractor	Annually	January 2022
Mulch top up	Grounds staff	Annually	March 2022

Watering details are provided on Sheet 5 – Landscape notes of Appendix 1.

A revegetation report undertaken by Monaro Native Tree Nursery on 2 May 2021 is provided as Appendix 2.

APPENDICES

Appendix 1: Approved Landscape Plans

landscape legend

- existing trees to be retained
- existing trees to be removed
- indigenous evergreen trees
- indigenous random mix shrubs in mulched bed
- grass
- refer to relevant notes & details for specific construction techniques

FOR TOWN PLANNING
PURPOSES ONLY
NOT FOR CONSTRUCTION



designed RT
drawn RT
approved SW

scale 1:500
print date 19/12/2011
sheet size A1

client
tasco pty ltd

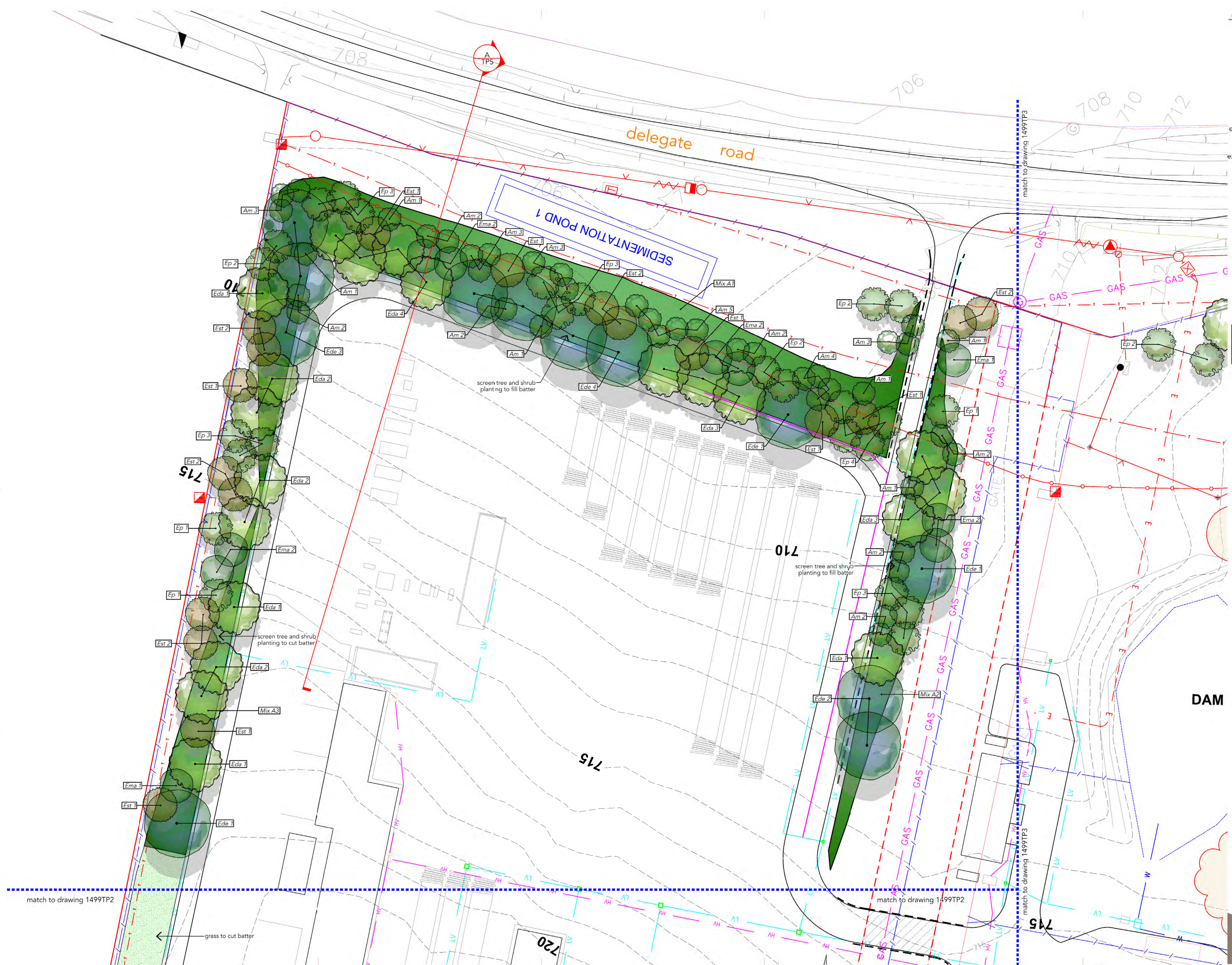
timber mill expansion
sandy lane
bombala

title
town planning
landscape plan



drawing no.
1499TP1
sheet no.
1 of 5
issue
A

www.wallbrink.com.au



Est 1
Ede 1

match to drawing 1499TP1

grass to cut batter

match to drawing 1499TP1

match to drawing 1499TP3

match to drawing 1499TP4

issue	date	issue/revision	description
A	18-11-11	issue to client	

landscape legend

- existing trees to be retained
- existing trees to be removed
- indigenous evergreen trees
- indigenous random mix shrubs in mulched bed
- grass
- refer to relevant notes & details for specific construction techniques

FOR TOWN PLANNING PURPOSES ONLY
NOT FOR CONSTRUCTION



designed RT
drawn RT
approved SW

scale as shown
print date 19/12/2011
sheet size A1

client
tasco pty ltd

job
timber mill expansion
sandy lane
bombala

title
town planning
landscape plan



drawing no.
1499TP2
sheet no.
2 of 5
issue
A

www.wallbrink.com.au
© COPYRIGHT. These drawings are subject to copyright



issue	date	issue/revision description
A	18-11-11	issue to client
B	19-12-11	planting changes

landscape legend

- existing trees to be retained 
- existing trees to be removed 
- indigenous evergreen trees 
- shrubs in mulch 
- indigenous random mix shrubs in mulched bed 
- grass 
- refer to relevant notes & details for specific construction techniques

FOR TOWN PLANNING PURPOSES ONLY
NOT FOR CONSTRUCTION



designed RT
drawn RT
approved SW

scale as shown
print date 19/12/2011
sheet size A1

client
tasco pty ltd

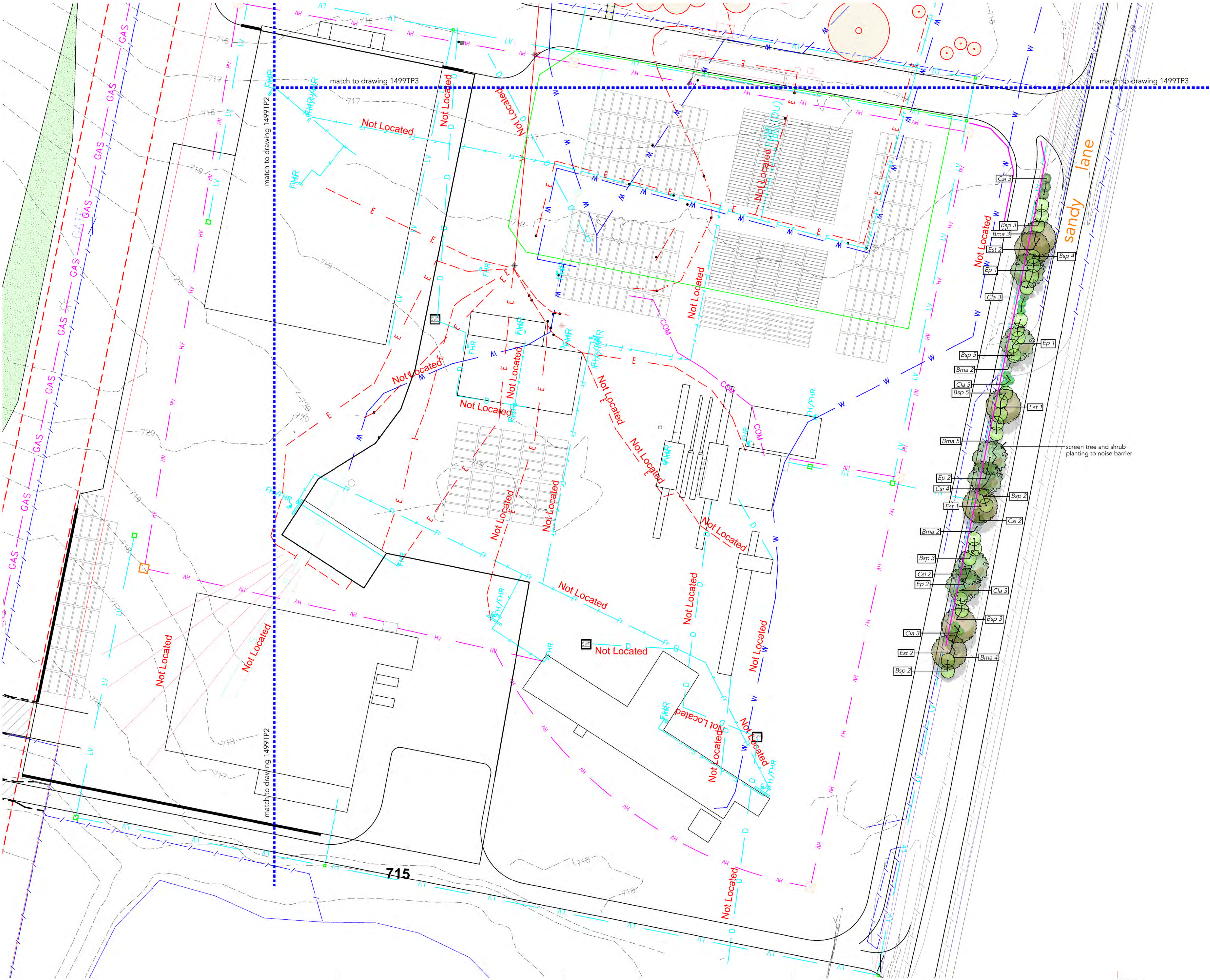
job
timber mill expansion
sandy lane
bombala

title
town planning
landscape plan



drawing no.
1499TP4
sheet no.
4 of 5
issue
B

www.wallbrink.com.au
© COPYRIGHT. These drawings are subject to copyright





landscape legend

- existing trees to be retained
- existing trees to be removed
- indigenous evergreen trees
- indigenous random mix shrubs in mulched bed
- grass

refer to relevant notes & details for specific construction techniques

FOR TOWN PLANNING PURPOSES ONLY
NOT FOR CONSTRUCTION



designed RT
drawn RT
approved SW

scale as shown
print date 19/12/2011
sheet size A1

client
tasco pty ltd

job
timber mill expansion
sandy lane
bombala

title
town planning
landscape plan

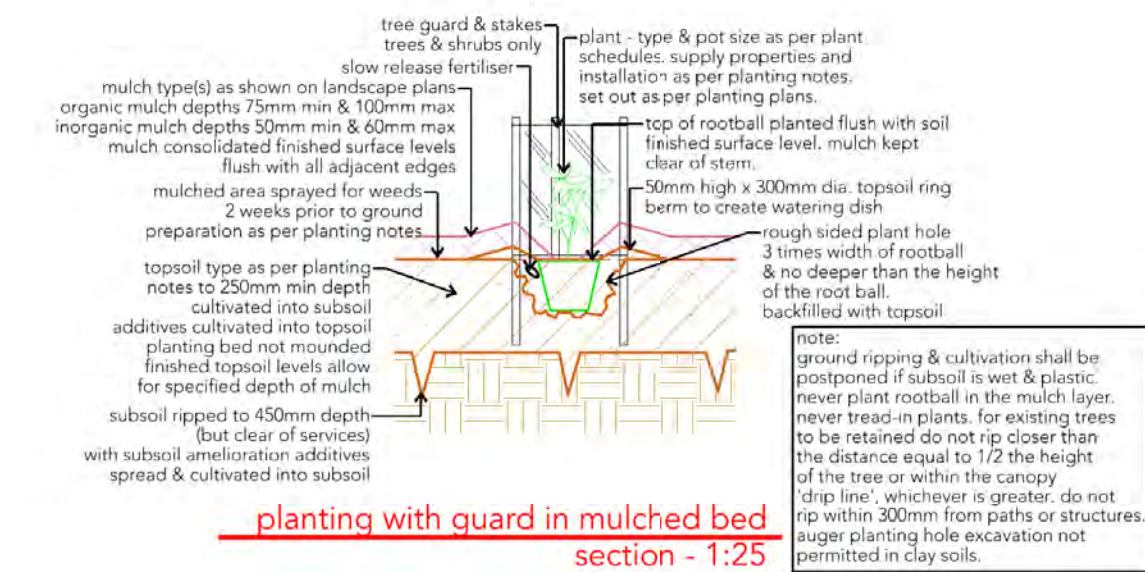
drawing no.
1499TP3

sheet no.
3 of 5

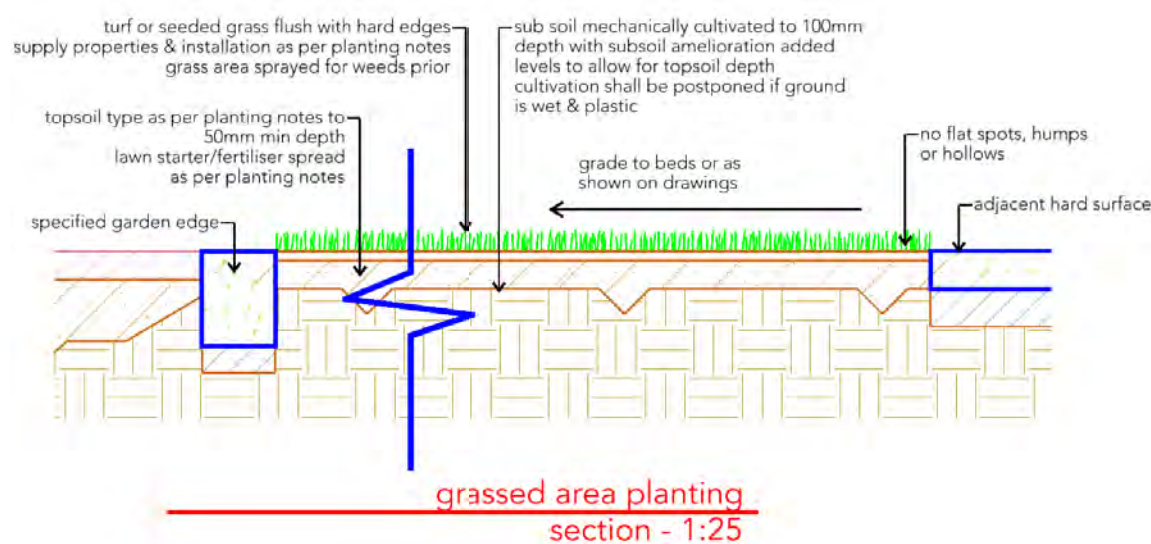
issue
B

www.wallbrink.com.au

© COPYRIGHT. These drawings are subject to copyright



planting with guard in mulched bed section - 1:25



grassed area planting section - 1:25

town planning landscape notes – general construction

- general:** This drawing is not to be used for construction. It is to be used for Town Planning purposes only. The final locations of all services and other assets may not be known and this plan may need to be revised to respond to any future building permit, civil, services, drainage, finished levels or architectural documentation. The location of existing vegetation to be retained must be confirmed by survey prior to undertaking future design work.
- demolition:** Vegetation to be removed shall be mulched for re-use on the site. Strip and stockpile existing site topsoil prior to building works commencing and re-use in the landscape.
- pavement:** Consider using recycled concrete aggregate for sub grade material. Drain pavements to garden beds (install sub surface drains in garden beds in poor draining soils) wherever possible.
- weed control:** All areas shown on the Drawings as mulched planting bed, grassed areas and trees in grassed areas shall include a weed eradication programme using an approved non-residual contact herbicide (Glyphosate dyed red) following Manufacturer's specifications. Leave sprayed areas for a period of 10 days prior to disturbance and repeat for any weeds still alive.
- landscape set out:** Install edging between all lawn areas and garden beds - type and location as shown in the Drawings.
- subsoil preparation for planting:**
Sub-surface Drainage: Install sub-surface drainage which discharges to stormwater or soakage pits for any garden bed or grassed area in poorly draining soils.
Subsoil Ripping: For garden bed areas and advanced trees, rip to depths shown in the planting Details. Mark the location of all underground services prior to commencing ripping operations.
Subsoil Additives: Contact your local nursery to obtain advice on additives to adjust the pH level to the desired range of pH - 5.5 to 7.0. Some plants tolerate high or low pH levels. If soil is heavy clay, add gypsum at the rate of 1.5-2 kg/m² for garden bed areas and 1.5 kg/m² for lawn areas. In very dry or hydrophobic soils a soil wetting agent shall be added.
Rotary Cultivation: After application of soil additives, cultivate plant bed & lawn areas to depths shown on the planting plan so as to eliminate compaction and to mix subsoil and soil additives.
- topsoiling:**
Supply: Site-stripped topsoil shall be used where possible and improved so as to meet the specifications for imported topsoil blends in AS 4419-1998. Supply imported topsoil to AS 4419-1998 - light to medium friable sandy clay loam.
Installation: Spread topsoil to min. consolidated depth as shown in the planting Details.
- mulching:**
Supply: Wood to AS 4454-1999 or inorganic as per Drawings or inflammable when in WMO.
Installation: Spread over all garden bed areas to max consolidated depth as shown in the Details.
- planting of mulched beds & advanced trees:**
Supply: Trees to comply with Natspec Purchasing Landscape Trees – A Field Guide to Assessing Tree Quality. Shrubs shall demonstrate a large, well developed and healthy fibrous roots root system with repeated and sequential division and no evidence of root curl, restriction or damage.
Installation: Set out plants in accordance with the Drawings. Water plants prior to planting and when planted at the rate of: Tubes & 140mm pots - >5L; 200-300mm pots - >10L; 300+mm pots - >30L. Climbers require a wire or trellis climbing frame.
planting of grassed areas:
Supply: Install low water use grass such as Santa Anna or Wintergreen in full sun areas or Sir Walter Buffalo in shaded areas. Use NPK 10:4:6 + trace elements lawn starter.
Installation: Following preparation and topsoiling, re-grade to provide smooth contours and to eliminate soil clods. Apply turf roll as per grower's instructions or seed at the rate of 3.3kg/100m² and starter fertiliser to Manufacturer's instructions. Keep continually moist until establishment.
- irrigation:** Install a programmable sub surface drip irrigation system activated by a soil moisture probe to all mulched garden bed areas and for trees in pavement, designed, installed and supplied to the relevant Australian Standards and Codes and used in accordance with current water restrictions. If grassed areas are to be irrigated, they shall be on separate zones to the mulched beds.

town planning landscape notes – general maintenance

maintenance: Garden beds are to be watered, weeded, fertilised, pruned and mulched on a regular basis to ensure plants thrive for a period of 6 months after completion of the landscape. Any plants that die or are diseased are to be replaced with the same species as listed in the plant schedule. At all times, plants are to be watered as required by climatic conditions to ensure the health of the plants. Between the months of October to April, as a minimum, plants shall be watered an average of 3 times per fortnight with 30 litres per tree and 5 litres per shrub.

Random Mix Planting Schedule: Refer to 1499TP1-4

Exotic Grassing Area (m2):

Specimen Code	Mature Size	Botanical Name	Common Name	Pot Size or Caliper/Height	Mature Size (HxW)	Specimen Plant Qty
TREE LAYER PLANT MIX						
Bsp	SMALL	Bursaria spinosa	Sweet Bursaria	Tube	5x4	37
Am	LARGE	Acacia melanoxylon	Blackwood	Tube	15x7	55
Eda	LARGE	Eucalyptus dalrympleana	Mountain Gum	Tube	40x16	27
Ede	LARGE	Eucalyptus delegatensis	Alpine Ash	Tube	60x20	15
Ema	LARGE	Eucalyptus mannifera	Brittle Gum	Tube	20x10	10
Ep	LARGE	Eucalyptus pauciflora	Snow Gum	Tube	20x10	44
Est	LARGE	Eucalyptus stellulata	Black Sally	Tube	15x10	37
						225
SHRUB LAYER PLANT MIX						
Cde	SMALL	Correa decumbens	Spreading Correa	Tube	0.3x1.5	
Gau	SMALL	Grevillea australis	Alpine Grevillea	Tube	1.0x1.5	
Oph	MEDIUM	Olearia phlogopappa	Alpine Daisy Bush	Tube	2.0x1.5	
Pro	MEDIUM	Prostanthera rotundifolia	Round-leaved Mint Bush	Tube	2.0x1.5	
Tla	MEDIUM	Tasmannia lanceolata	Mountain Pepper	Tube	2.0x2.0	
Csi	LARGE	Callistemon sieberi	River Bottlebrush	Tube	3.0x3.0	
Clo	LARGE	Cassinia longifolia	Shiny Cassinia	Tube	3.0x2.5	
Cla	LARGE	Correa lawrenceana	Mountain Correa	Tube	2.5x2.5	
Hli	LARGE	Hakea lissosperma	Mountain Needlewood	Tube	3.0x2.0	
Lgr	LARGE	Leptospermum grandifolium	Mountain Tea-tree	Tube	4.0x2.0	
Lla	LARGE	Leptospermum lanigerum	Woolly Tea-tree	Tube	1.5x1.5	
						225

Plant Mix Code:	A1	A2	A3	A4	TOTALS
Total Planting Area (measured in plan view) (m2):	4700.4	1220.4	763.2	667.5	7352
Area to Re-plant (measured in plan view) (m2):	4700.4	1220.4	763.2	667.5	7352
Area of Wood Mulch (adjusted for slope) (m2):	4954.22	1286.3	804.413	703.55	7748
Existing Vegetation Area Retained (m2):					
Slope Factor:	1.054	1.054	1.054	1.054	

Tree Spacing:

					TOTALS
					37
					55
					27
					15
					10
					44
					37
Sub Totals:					225

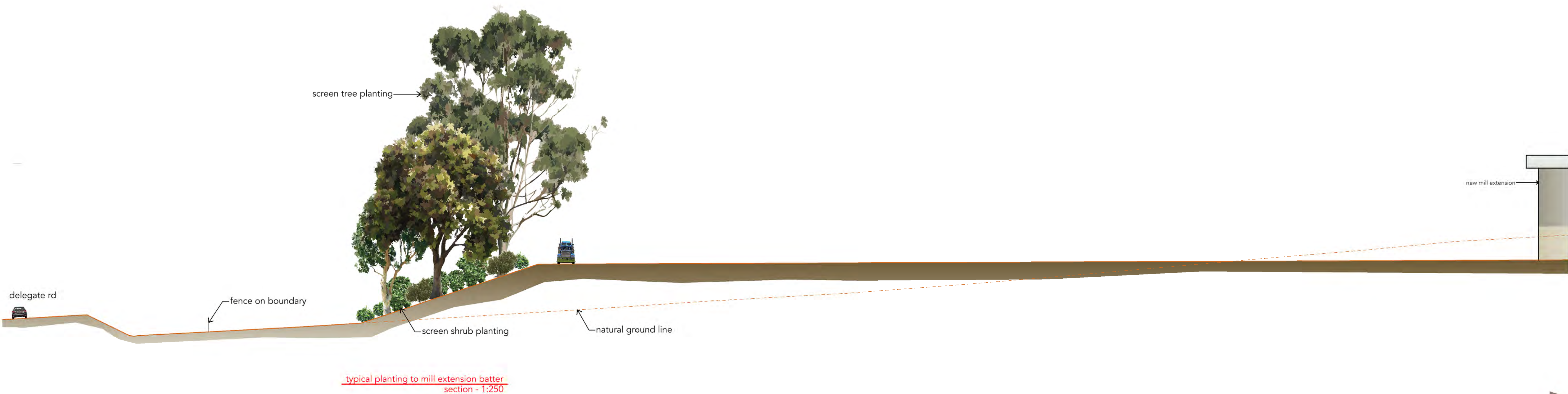
Shrub Spacing:

	1500mm	1500mm	1500mm	1500mm	
110	29	18	16	173	
110	29	18	16	173	
220	57	36	31	344	
220	57	36	31	344	
220	57	36	31	344	
110	29	18	16	173	
330	86	54	47	517	
220	57	36	31	344	
220	57	36	31	344	
220	57	36	31	344	
Sub Totals:	2200	572	360	312	3444
Grand Totals:	2200	572	360	312	3669

notes addressing Director General's report and approval

- 38 (b) - plants are as shown in the drawings and the planting schedule
- 38 (c) - tree and shrub planting to the batters on the north, west and east of the new mill minimise views from Delegate Road
- tree and shrub planting along the Delegate Road frontage and in the north-east corner of the site minimise views to the new office
- 38 (d) - proposed plant species are endemic to the area, and will be sourced from local provenance seed stock
- 38 (e) - planting is proposed to occur in autumn 2012, in late March or April
- 38 (f) - the landscape will be maintained for 12 months by the contractor, and thereafter by Tasco, replacing plants that die so as to maintain the visual screening of the site

FOR TOWN PLANNING PURPOSES ONLY
NOT FOR CONSTRUCTION



typical planting to mill extension batter section - 1:250

designed RT
drawn RT
approved SW

scale as shown
print date 19/12/2011
sheet size A1

client
tasco pty ltd

job
timber mill expansion
sandy lane
bombala

title
town planning
landscape notes

drawing no.
1499TP5
sheet no.
5 of 5
issue
B

Appendix 2: Revegetation Report



ALPINE FOREST ESTABLISHMENT PTY LTD

T/A MONARO NATIVE TREE NURSERY

168 Gunningrah Rd

Bombala NSW 2632

ABN: 71 105 483 501

02/05/2021

REVEGETATION REPORT ON PLANTINGS DONE 2018 AT DONGWHA MILL, BOMBALA ON 01/05/2021.

Conducted by Michael Platts

Advanced Horticulture

Dip. Ag.

- Survival rate approximately 90-95%
- Growth rate of plants varies from extremely good to below average, height range from .5.-4.5m
- Plant health: No diseases of concern present, some insect attack but is at a normal level for native plants. Smaller plants showing signs of nutrient deficiency.

Recommendation:

- Overall survival rate is good so no need for replants
- Recommend applying 2 fertilizer tablets (slow release) to each of the smaller plants now and a follow-up in January.

Overall, the planting is progressing well for a relatively difficult revegetation site.

Yours sincerely

Michael Platts

Monaro Native Tree Nursery

Bombala

Monaro Native Tree Nursery Michael and Annie Platts

PH /FAX: 0264584096 Mobile: 0409584096

Email: monarotrees@bigpond.com

Web Site: www.monaronativetreenursery.com.au